

Luminaire

Code 00-9034-CV-A1
Name KEOPS

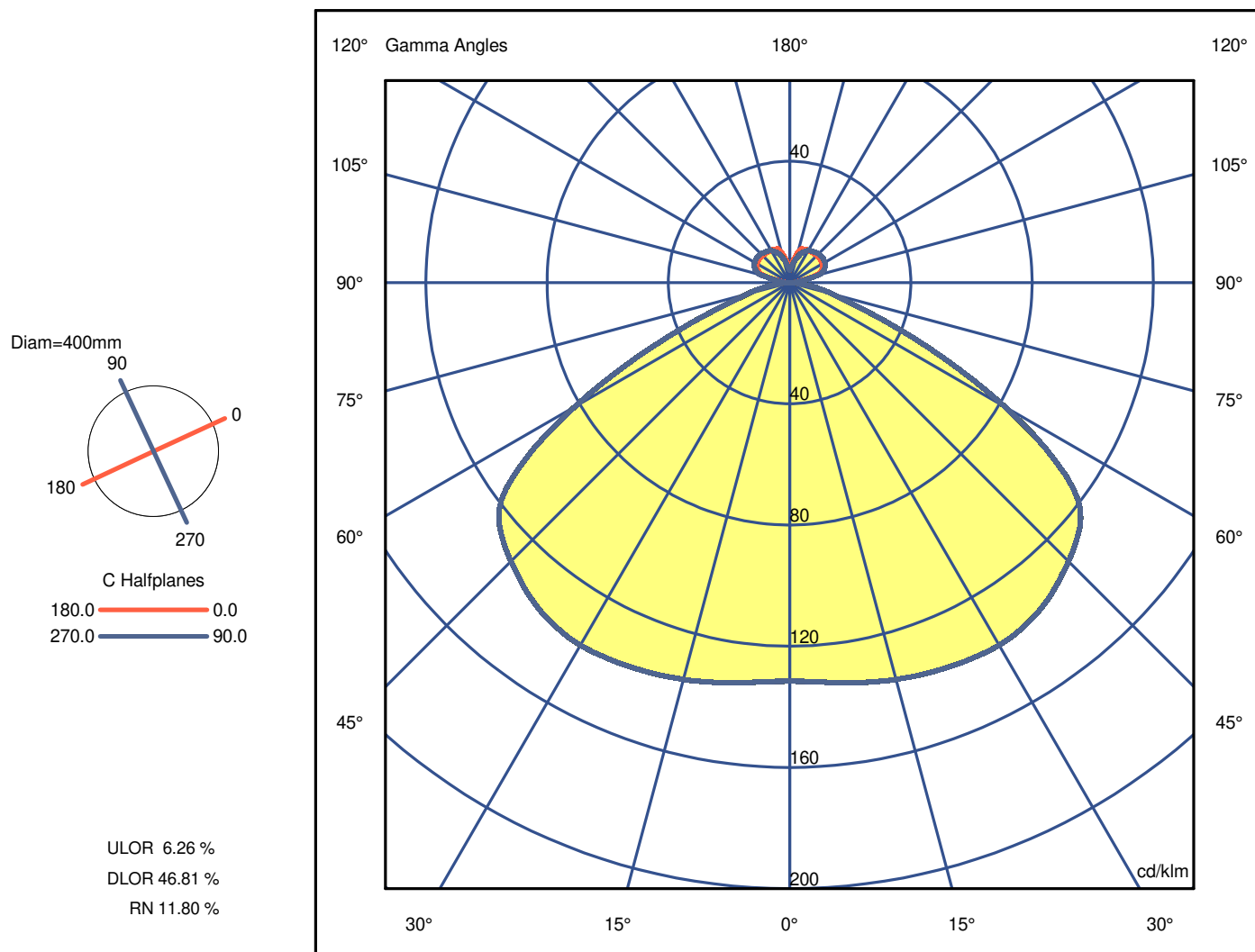
Measurement

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Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical
Round Luminaire		Diam.	400 mm	Height	1 mm		
Round Luminous Area		Diam.	400 mm	Height	0 mm		
Horizontal Luminous Area			0.125664 m2	Emitting area on Plane 180°			0.000000 m2
Emitting area on Plane 0°			0.000000 m2	Emitting area on Plane 270°			0.000000 m2
Emitting area on Plane 90°			0.000000 m2	Glare area at 76°			0.030401 m2
Coordinate system		CG		Symmetry Type		Asymmetrical	
Date		10-10-2019		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		601 lm	
Operator		qualitat		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources

Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
			1085.00	8.50	1
C.I.E.	46 85 98 88 53	D DIN 5040	B31		
F UTE	0.47 F + 0.06 T	B NBN	BZ 5 / 0.8 / BZ 4		



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Luminous Intensity Table cd/klm Table 6/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	131.46	131.46	131.46	131.46	131.46	131.46	131.46
G 1.0	131.53	131.53	131.53	131.53	131.53	131.53	131.53
G 2.0	131.68	131.68	131.68	131.68	131.68	131.68	131.68
G 3.0	131.83	131.83	131.83	131.83	131.83	131.83	131.83
G 4.0	132.06	132.06	132.06	132.06	132.06	132.06	132.06
G 5.0	132.38	132.38	132.38	132.38	132.38	132.38	132.38
G 6.0	132.69	132.69	132.69	132.69	132.69	132.69	132.69
G 7.0	133.00	133.00	133.00	133.00	133.00	133.00	133.00
G 8.0	133.37	133.37	133.37	133.37	133.37	133.37	133.37
G 9.0	133.72	133.72	133.72	133.72	133.72	133.72	133.72
G 10.0	134.04	134.04	134.04	134.04	134.04	134.04	134.04
G 11.0	134.35	134.35	134.35	134.35	134.35	134.35	134.35
G 12.0	134.68	134.68	134.68	134.68	134.68	134.68	134.68
G 13.0	134.96	134.96	134.96	134.96	134.96	134.96	134.96
G 14.0	135.24	135.24	135.24	135.24	135.24	135.24	135.24
G 15.0	135.53	135.53	135.53	135.53	135.53	135.53	135.53
G 16.0	135.80	135.80	135.80	135.80	135.80	135.80	135.80
G 17.0	136.04	136.04	136.04	136.04	136.04	136.04	136.04
G 18.0	136.31	136.31	136.31	136.31	136.31	136.31	136.31
G 19.0	136.55	136.55	136.55	136.55	136.55	136.55	136.55
G 20.0	136.77	136.77	136.77	136.77	136.77	136.77	136.77
G 21.0	136.98	136.98	136.98	136.98	136.98	136.98	136.98
G 22.0	137.17	137.17	137.17	137.17	137.17	137.17	137.17
G 23.0	137.35	137.35	137.35	137.35	137.35	137.35	137.35
G 24.0	137.52	137.52	137.52	137.52	137.52	137.52	137.52
G 25.0	137.68	137.68	137.68	137.68	137.68	137.68	137.68
G 26.0	137.83	137.83	137.83	137.83	137.83	137.83	137.83
G 27.0	137.95	137.95	137.95	137.95	137.95	137.95	137.95
G 28.0	138.06	138.06	138.06	138.06	138.06	138.06	138.06
G 29.0	138.16	138.16	138.16	138.16	138.16	138.16	138.16
G 30.0	138.13	138.13	138.13	138.13	138.13	138.13	138.13
G 31.0	138.05	138.05	138.05	138.05	138.05	138.05	138.05
G 32.0	137.93	137.93	137.93	137.93	137.93	137.93	137.93
G 33.0	137.68	137.68	137.68	137.68	137.68	137.68	137.68
G 34.0	137.39	137.39	137.39	137.39	137.39	137.39	137.39
G 35.0	137.03	137.03	137.03	137.03	137.03	137.03	137.03
G 36.0	136.65	136.65	136.65	136.65	136.65	136.65	136.65
G 37.0	136.13	136.13	136.13	136.13	136.13	136.13	136.13
G 38.0	135.54	135.54	135.54	135.54	135.54	135.54	135.54
G 39.0	134.92	134.92	134.92	134.92	134.92	134.92	134.92
G 40.0	134.25	134.25	134.25	134.25	134.25	134.25	134.25
G 41.0	133.43	133.43	133.43	133.43	133.43	133.43	133.43
G 42.0	132.58	132.58	132.58	132.58	132.58	132.58	132.58
G 43.0	131.72	131.72	131.72	131.72	131.72	131.72	131.72
G 44.0	130.86	130.86	130.86	130.86	130.86	130.86	130.86
G 45.0	130.05	130.05	130.05	130.05	130.05	130.05	130.05
G 46.0	129.18	129.18	129.18	129.18	129.18	129.18	129.18
G 47.0	128.27	128.27	128.27	128.27	128.27	128.27	128.27
G 48.0	127.29	127.29	127.29	127.29	127.29	127.29	127.29
G 49.0	126.19	126.19	126.19	126.19	126.19	126.19	126.19
G 50.0	124.99	124.99	124.99	124.99	124.99	124.99	124.99
G 51.0	123.52	123.52	123.52	123.52	123.52	123.52	123.52
G 52.0	121.69	121.69	121.69	121.69	121.69	121.69	121.69
G 53.0	119.11	119.11	119.11	119.11	119.11	119.11	119.11
G 54.0	115.60	115.60	115.60	115.60	115.60	115.60	115.60
G 55.0	111.32	111.32	111.32	111.32	111.32	111.32	111.32
G 56.0	106.26	106.26	106.26	106.26	106.26	106.26	106.26
G 57.0	100.79	100.79	100.79	100.79	100.79	100.79	100.79
G 58.0	94.84	94.84	94.84	94.84	94.84	94.84	94.84
G 59.0	88.60	88.60	88.60	88.60	88.60	88.60	88.60
G 60.0	82.10	82.10	82.10	82.10	82.10	82.10	82.10
G 61.0	75.51	75.51	75.51	75.51	75.51	75.51	75.51
G 62.0	68.87	68.87	68.87	68.87	68.87	68.87	68.87
G 63.0	62.31	62.31	62.31	62.31	62.31	62.31	62.31
G 64.0	56.00	56.00	56.00	56.00	56.00	56.00	56.00
G 65.0	49.90	49.90	49.90	49.90	49.90	49.90	49.90
G 66.0	44.21	44.21	44.21	44.21	44.21	44.21	44.21
G 67.0	38.90	38.90	38.90	38.90	38.90	38.90	38.90
G 68.0	34.04	34.04	34.04	34.04	34.04	34.04	34.04
G 69.0	29.64	29.64	29.64	29.64	29.64	29.64	29.64
G 70.0	25.77	25.77	25.77	25.77	25.77	25.77	25.77
G 71.0	22.48	22.48	22.48	22.48	22.48	22.48	22.48
G 72.0	19.81	19.81	19.81	19.81	19.81	19.81	19.81

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Luminous Intensity Table cd/klm Table 12/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 73.0	17.71	17.71	17.71	17.71	17.71	17.71	17.71
G 74.0	16.04	16.04	16.04	16.04	16.04	16.04	16.04
G 75.0	14.63	14.63	14.63	14.63	14.63	14.63	14.63
G 76.0	13.35	13.35	13.35	13.35	13.35	13.35	13.35
G 77.0	12.10	12.10	12.10	12.10	12.10	12.10	12.10
G 78.0	10.81	10.81	10.81	10.81	10.81	10.81	10.81
G 79.0	9.49	9.49	9.49	9.49	9.49	9.49	9.49
G 80.0	8.16	8.16	8.16	8.16	8.16	8.16	8.16
G 81.0	6.84	6.84	6.84	6.84	6.84	6.84	6.84
G 82.0	5.57	5.57	5.57	5.57	5.57	5.57	5.57
G 83.0	4.35	4.35	4.35	4.35	4.35	4.35	4.35
G 84.0	3.19	3.19	3.19	3.19	3.19	3.19	3.19
G 85.0	2.18	2.18	2.18	2.18	2.18	2.18	2.18
G 86.0	1.34	1.34	1.34	1.34	1.34	1.34	1.34
G 87.0	0.77	0.77	0.77	0.77	0.77	0.77	0.77
G 88.0	0.34	0.34	0.34	0.34	0.34	0.34	0.34
G 89.0	0.10	0.10	0.10	0.10	0.10	0.10	0.10
G 90.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06
G 91.0	1.02	0.96	0.95	0.95	0.95	0.91	0.85
G 92.0	2.16	2.03	2.02	2.02	2.01	1.94	1.82
G 93.0	2.54	2.49	2.48	2.48	2.44	2.33	2.16
G 94.0	2.33	2.28	2.25	2.22	2.18	2.11	2.02
G 95.0	2.07	1.99	1.93	1.88	1.86	1.85	1.86
G 96.0	2.12	2.12	2.07	2.01	1.96	1.96	1.96
G 97.0	2.55	2.55	2.51	2.45	2.38	2.33	2.30
G 98.0	3.05	3.04	3.00	2.93	2.86	2.80	2.75
G 99.0	3.58	3.51	3.45	3.39	3.34	3.29	3.24
G100.0	4.20	4.08	4.00	3.95	3.92	3.89	3.85
G101.0	4.97	4.85	4.76	4.72	4.70	4.67	4.64
G102.0	5.90	5.81	5.74	5.69	5.65	5.61	5.58
G103.0	6.95	6.94	6.89	6.81	6.73	6.66	6.62
G104.0	8.05	8.13	8.09	7.97	7.84	7.74	7.67
G105.0	9.03	9.17	9.15	9.01	8.85	8.73	8.64
G106.0	9.80	9.92	9.91	9.80	9.66	9.54	9.43
G107.0	10.38	10.44	10.43	10.36	10.27	10.16	10.05
G108.0	10.85	10.84	10.82	10.78	10.72	10.62	10.51
G109.0	11.25	11.20	11.15	11.11	11.05	10.96	10.86
G110.0	11.58	11.51	11.44	11.38	11.31	11.24	11.15
G111.0	11.85	11.79	11.71	11.63	11.55	11.48	11.42
G112.0	12.08	12.03	11.95	11.85	11.77	11.70	11.65
G113.0	12.27	12.23	12.15	12.05	11.96	11.89	11.85
G114.0	12.42	12.38	12.31	12.22	12.13	12.06	12.00
G115.0	12.55	12.51	12.44	12.36	12.28	12.20	12.12
G116.0	12.66	12.62	12.56	12.48	12.40	12.32	12.24
G117.0	12.77	12.72	12.66	12.58	12.50	12.42	12.34
G118.0	12.87	12.82	12.75	12.67	12.58	12.50	12.42
G119.0	12.97	12.91	12.83	12.75	12.66	12.57	12.48
G120.0	13.04	12.99	12.91	12.82	12.72	12.63	12.54
G121.0	13.10	13.04	12.97	12.88	12.79	12.69	12.60
G122.0	13.13	13.09	13.02	12.93	12.84	12.75	12.66
G123.0	13.16	13.12	13.05	12.97	12.88	12.79	12.70
G124.0	13.20	13.15	13.08	13.00	12.91	12.82	12.73
G125.0	13.23	13.18	13.11	13.02	12.93	12.84	12.75
G126.0	13.26	13.20	13.13	13.04	12.95	12.86	12.77
G127.0	13.28	13.23	13.16	13.06	12.97	12.88	12.79
G128.0	13.29	13.25	13.18	13.08	12.97	12.88	12.79
G129.0	13.31	13.28	13.19	13.08	12.96	12.86	12.78
G130.0	13.30	13.29	13.20	13.08	12.95	12.85	12.77
G131.0	13.30	13.29	13.20	13.08	12.96	12.85	12.77
G132.0	13.31	13.27	13.20	13.08	12.97	12.86	12.76
G133.0	13.28	13.25	13.18	13.08	12.97	12.87	12.76
G134.0	13.25	13.22	13.16	13.08	12.97	12.87	12.77
G135.0	13.20	13.20	13.14	13.06	12.96	12.86	12.75
G136.0	13.19	13.18	13.12	13.03	12.93	12.82	12.72
G137.0	13.17	13.16	13.10	13.00	12.89	12.78	12.69
G138.0	13.11	13.13	13.07	12.97	12.86	12.75	12.66
G139.0	13.07	13.09	13.03	12.94	12.84	12.74	12.64
G140.0	13.02	13.04	13.00	12.92	12.82	12.72	12.63
G141.0	13.00	13.01	12.97	12.90	12.81	12.71	12.61
G142.0	12.95	12.97	12.94	12.88	12.80	12.70	12.59
G143.0	12.90	12.92	12.91	12.86	12.78	12.68	12.57
G144.0	12.84	12.86	12.85	12.82	12.76	12.67	12.56
G145.0	12.77	12.79	12.80	12.78	12.74	12.66	12.55

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Luminous Intensity Table cd/klm Table 13/18

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G146.0	12.41	12.54	12.65	12.72	12.75	12.74	12.72	12.69	12.67	12.65	12.64	12.63	12.62
G147.0	12.40	12.54	12.65	12.72	12.73	12.70	12.65	12.61	12.58	12.56	12.54	12.52	12.50
G148.0	12.39	12.54	12.67	12.74	12.73	12.68	12.61	12.54	12.48	12.44	12.41	12.39	12.37
G149.0	12.39	12.55	12.69	12.76	12.75	12.68	12.58	12.47	12.37	12.30	12.25	12.24	12.23
G150.0	12.37	12.55	12.70	12.79	12.78	12.69	12.56	12.40	12.25	12.14	12.13	12.11	12.09
G151.0	12.32	12.54	12.72	12.82	12.81	12.71	12.54	12.33	12.13	11.99	11.98	11.97	11.96
G152.0	12.25	12.50	12.72	12.84	12.84	12.72	12.52	12.27	12.02	11.84	11.83	11.82	11.81
G153.0	12.17	12.46	12.70	12.84	12.85	12.73	12.50	12.20	11.90	11.68	11.66	11.64	11.62
G154.0	12.10	12.40	12.65	12.81	12.84	12.73	12.49	12.15	11.79	11.51	11.47	11.43	11.40
G155.0	12.04	12.34	12.59	12.77	12.81	12.72	12.48	12.10	11.69	11.35	11.29	11.22	11.16
G156.0	11.99	12.27	12.52	12.70	12.77	12.71	12.47	12.07	11.61	11.22	11.01	10.93	10.92
G157.0	11.96	12.22	12.45	12.63	12.72	12.67	12.45	12.04	11.54	11.10	10.84	10.73	10.69
G158.0	11.95	12.18	12.38	12.55	12.64	12.61	12.40	11.97	11.45	10.98	10.68	10.52	10.45
G159.0	11.93	12.13	12.30	12.45	12.54	12.50	12.29	11.86	11.32	10.83	10.50	10.31	10.22
G160.0	11.91	12.06	12.20	12.30	12.36	12.31	12.09	11.66	11.13	10.64	10.29	10.08	9.95
G161.0	11.72	11.87	12.00	12.09	12.11	12.03	11.79	11.36	10.85	10.37	10.03	9.81	9.66
G162.0	11.43	11.59	11.71	11.79	11.77	11.65	11.38	10.96	10.48	10.04	9.71	9.49	9.33
G163.0	11.08	11.22	11.33	11.38	11.32	11.16	10.88	10.49	10.05	9.64	9.35	9.14	8.99
G164.0	10.69	10.79	10.86	10.87	10.79	10.61	10.34	9.97	9.57	9.21	8.94	8.76	8.63
G165.0	10.24	10.28	10.30	10.28	10.20	10.04	9.80	9.46	9.09	8.77	8.53	8.38	8.27
G166.0	9.74	9.72	9.69	9.65	9.60	9.50	9.30	9.00	8.66	8.35	8.14	8.01	7.93
G167.0	9.22	9.15	9.09	9.05	9.03	8.97	8.83	8.56	8.24	7.95	7.77	7.66	7.58
G168.0	8.69	8.63	8.59	8.55	8.52	8.46	8.32	8.09	7.82	7.57	7.41	7.30	7.23
G169.0	8.19	8.18	8.17	8.12	8.05	7.94	7.78	7.59	7.38	7.20	7.06	6.95	6.87
G170.0	7.75	7.73	7.71	7.68	7.57	7.41	7.25	7.09	6.95	6.82	6.71	6.61	6.53
G171.0	7.37	7.32	7.25	7.16	7.02	6.88	6.74	6.63	6.53	6.45	6.36	6.27	6.19
G172.0	6.98	6.85	6.72	6.60	6.48	6.37	6.28	6.21	6.15	6.09	6.03	5.96	5.88
G173.0	6.47	6.35	6.22	6.11	6.01	5.94	5.88	5.84	5.81	5.78	5.73	5.67	5.60
G174.0	5.88	5.83	5.78	5.72	5.65	5.59	5.54	5.52	5.51	5.49	5.46	5.41	5.35
G175.0	5.37	5.40	5.41	5.40	5.35	5.29	5.25	5.24	5.24	5.23	5.20	5.15	5.09
G176.0	5.06	5.10	5.12	5.11	5.07	5.02	4.98	4.98	4.98	4.98	4.93	4.86	4.81
G177.0	4.87	4.86	4.86	4.85	4.81	4.77	4.74	4.74	4.74	4.74	4.67	4.59	4.55
G178.0	4.67	4.65	4.63	4.60	4.57	4.54	4.52	4.52	4.52	4.51	4.45	4.38	4.34
G179.0	4.41	4.40	4.38	4.36	4.34	4.33	4.32	4.32	4.32	4.31	4.28	4.23	4.22
G180.0	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12

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Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 14/18

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G146.0	12.61	12.60	12.59	12.60	12.62	12.64	12.62	12.60	12.59	12.60	12.61	12.62	12.63
G147.0	12.49	12.48	12.48	12.50	12.53	12.57	12.53	12.50	12.48	12.48	12.49	12.50	12.52
G148.0	12.36	12.36	12.36	12.39	12.42	12.46	12.42	12.39	12.36	12.36	12.36	12.37	12.39
G149.0	12.23	12.23	12.23	12.26	12.29	12.33	12.29	12.26	12.23	12.23	12.23	12.23	12.24
G150.0	12.09	12.09	12.09	12.10	12.13	12.17	12.13	12.10	12.09	12.09	12.09	12.09	12.11
G151.0	11.95	11.93	11.92	11.93	11.95	11.99	11.95	11.93	11.92	11.93	11.95	11.96	11.97
G152.0	11.80	11.76	11.74	11.74	11.76	11.80	11.76	11.74	11.74	11.76	11.80	11.81	11.82
G153.0	11.61	11.58	11.55	11.55	11.57	11.61	11.57	11.55	11.55	11.58	11.61	11.62	11.64
G154.0	11.40	11.38	11.36	11.37	11.39	11.42	11.39	11.37	11.36	11.38	11.40	11.40	11.43
G155.0	11.16	11.15	11.15	11.17	11.20	11.24	11.20	11.17	11.15	11.15	11.16	11.16	11.22
G156.0	10.92	10.92	10.93	10.96	11.01	11.06	11.01	10.96	10.93	10.92	10.92	10.92	10.93
G157.0	10.67	10.66	10.68	10.73	10.79	10.87	10.79	10.73	10.68	10.66	10.67	10.69	10.73
G158.0	10.42	10.41	10.43	10.48	10.55	10.63	10.55	10.48	10.43	10.41	10.42	10.45	10.52
G159.0	10.16	10.14	10.15	10.20	10.26	10.34	10.26	10.20	10.15	10.14	10.16	10.22	10.31
G160.0	9.87	9.83	9.83	9.86	9.92	9.99	9.92	9.86	9.83	9.83	9.87	9.95	10.08
G161.0	9.55	9.47	9.45	9.47	9.52	9.59	9.52	9.47	9.45	9.47	9.55	9.66	9.81
G162.0	9.20	9.10	9.05	9.06	9.12	9.19	9.12	9.06	9.05	9.10	9.20	9.33	9.49
G163.0	8.85	8.75	8.70	8.71	8.77	8.85	8.77	8.71	8.70	8.75	8.85	8.99	9.14
G164.0	8.52	8.44	8.41	8.42	8.48	8.55	8.48	8.42	8.41	8.44	8.52	8.63	8.76
G165.0	8.19	8.13	8.11	8.13	8.18	8.25	8.18	8.13	8.11	8.13	8.19	8.27	8.38
G166.0	7.85	7.79	7.76	7.78	7.82	7.89	7.82	7.78	7.76	7.79	7.85	7.93	8.01
G167.0	7.50	7.44	7.40	7.41	7.45	7.51	7.45	7.41	7.40	7.44	7.50	7.58	7.66
G168.0	7.15	7.09	7.06	7.07	7.11	7.16	7.11	7.07	7.06	7.09	7.15	7.23	7.30
G169.0	6.81	6.76	6.74	6.75	6.80	6.85	6.80	6.75	6.74	6.76	6.81	6.87	6.95
G170.0	6.46	6.42	6.41	6.43	6.46	6.51	6.46	6.43	6.41	6.42	6.46	6.53	6.61
G171.0	6.13	6.08	6.05	6.05	6.06	6.08	6.06	6.05	6.05	6.08	6.13	6.19	6.27
G172.0	5.81	5.75	5.70	5.69	5.68	5.67	5.68	5.69	5.70	5.75	5.81	5.88	5.96
G173.0	5.53	5.46	5.41	5.40	5.39	5.38	5.39	5.40	5.41	5.46	5.53	5.60	5.67
G174.0	5.28	5.23	5.19	5.17	5.19	5.21	5.19	5.17	5.19	5.23	5.28	5.35	5.41
G175.0	5.05	5.02	5.00	5.01	5.02	5.04	5.02	5.01	5.00	5.02	5.05	5.09	5.15
G176.0	4.82	4.83	4.84	4.84	4.82	4.80	4.82	4.84	4.84	4.83	4.82	4.81	4.86
G177.0	4.57	4.63	4.67	4.66	4.61	4.53	4.61	4.66	4.67	4.63	4.57	4.55	4.59
G178.0	4.38	4.45	4.50	4.48	4.42	4.32	4.42	4.48	4.50	4.45	4.38	4.34	4.38
G179.0	4.24	4.29	4.32	4.30	4.26	4.20	4.26	4.30	4.32	4.29	4.24	4.22	4.23
G180.0	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 15/18

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G146.0	12.64	12.65	12.67	12.69	12.72	12.74	12.75	12.72	12.65	12.54	12.41	12.54	12.65
G147.0	12.54	12.56	12.58	12.61	12.65	12.70	12.73	12.72	12.65	12.54	12.40	12.54	12.65
G148.0	12.41	12.44	12.48	12.54	12.61	12.68	12.73	12.74	12.67	12.54	12.39	12.54	12.67
G149.0	12.25	12.30	12.37	12.47	12.58	12.68	12.75	12.76	12.69	12.55	12.39	12.55	12.69
G150.0	12.13	12.14	12.25	12.40	12.56	12.69	12.78	12.79	12.70	12.55	12.37	12.55	12.70
G151.0	11.98	11.99	12.13	12.33	12.54	12.71	12.81	12.82	12.72	12.54	12.32	12.54	12.72
G152.0	11.83	11.84	12.02	12.27	12.52	12.72	12.84	12.84	12.72	12.50	12.25	12.50	12.72
G153.0	11.66	11.68	11.90	12.20	12.50	12.73	12.85	12.84	12.70	12.46	12.17	12.46	12.70
G154.0	11.47	11.51	11.79	12.15	12.49	12.73	12.84	12.81	12.65	12.40	12.10	12.40	12.65
G155.0	11.29	11.35	11.69	12.10	12.48	12.72	12.81	12.77	12.59	12.34	12.04	12.34	12.59
G156.0	11.01	11.22	11.61	12.07	12.47	12.71	12.77	12.70	12.52	12.27	11.99	12.27	12.52
G157.0	10.84	11.10	11.54	12.04	12.45	12.67	12.72	12.63	12.45	12.22	11.96	12.22	12.45
G158.0	10.68	10.98	11.45	11.97	12.40	12.61	12.64	12.55	12.38	12.18	11.95	12.18	12.38
G159.0	10.50	10.83	11.32	11.86	12.29	12.50	12.54	12.45	12.30	12.13	11.93	12.13	12.30
G160.0	10.29	10.64	11.13	11.66	12.09	12.31	12.36	12.30	12.20	12.06	11.91	12.06	12.20
G161.0	10.03	10.37	10.85	11.36	11.79	12.03	12.11	12.09	12.00	11.87	11.72	11.87	12.00
G162.0	9.71	10.04	10.48	10.96	11.38	11.65	11.77	11.79	11.71	11.59	11.43	11.59	11.71
G163.0	9.35	9.64	10.05	10.49	10.88	11.16	11.32	11.38	11.33	11.22	11.08	11.22	11.33
G164.0	8.94	9.21	9.57	9.97	10.34	10.61	10.79	10.87	10.86	10.79	10.69	10.79	10.86
G165.0	8.53	8.77	9.09	9.46	9.80	10.04	10.20	10.28	10.30	10.28	10.24	10.28	10.30
G166.0	8.14	8.35	8.66	9.00	9.30	9.50	9.60	9.65	9.69	9.72	9.74	9.72	9.69
G167.0	7.77	7.95	8.24	8.56	8.83	8.97	9.03	9.05	9.09	9.15	9.22	9.15	9.09
G168.0	7.41	7.57	7.82	8.09	8.32	8.46	8.52	8.55	8.59	8.63	8.69	8.63	8.59
G169.0	7.06	7.20	7.38	7.59	7.78	7.94	8.05	8.12	8.17	8.18	8.19	8.18	8.17
G170.0	6.71	6.82	6.95	7.09	7.25	7.41	7.57	7.68	7.71	7.73	7.75	7.73	7.71
G171.0	6.36	6.45	6.53	6.63	6.74	6.88	7.02	7.16	7.25	7.32	7.37	7.32	7.25
G172.0	6.03	6.09	6.15	6.21	6.28	6.37	6.48	6.60	6.72	6.85	6.98	6.85	6.72
G173.0	5.73	5.78	5.81	5.84	5.88	5.94	6.01	6.11	6.22	6.35	6.47	6.35	6.22
G174.0	5.46	5.49	5.51	5.52	5.54	5.59	5.65	5.72	5.78	5.83	5.88	5.83	5.78
G175.0	5.20	5.23	5.24	5.24	5.25	5.29	5.35	5.40	5.41	5.40	5.37	5.40	5.41
G176.0	4.93	4.98	4.98	4.98	4.98	5.02	5.07	5.11	5.12	5.10	5.06	5.10	5.12
G177.0	4.67	4.74	4.74	4.74	4.74	4.77	4.81	4.85	4.86	4.86	4.87	4.86	4.86
G178.0	4.45	4.51	4.52	4.52	4.52	4.54	4.57	4.60	4.63	4.65	4.67	4.65	4.63
G179.0	4.28	4.31	4.32	4.32	4.32	4.33	4.34	4.36	4.38	4.40	4.41	4.40	4.38
G180.0	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 16/18

	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G146.0	12.72	12.75	12.74	12.72	12.69	12.67	12.65	12.64	12.63	12.62	12.61	12.60	12.59
G147.0	12.72	12.73	12.70	12.65	12.61	12.58	12.56	12.54	12.52	12.50	12.49	12.48	12.48
G148.0	12.74	12.73	12.68	12.61	12.54	12.48	12.44	12.41	12.39	12.37	12.36	12.36	12.36
G149.0	12.76	12.75	12.68	12.58	12.47	12.37	12.30	12.25	12.24	12.23	12.23	12.23	12.23
G150.0	12.79	12.78	12.69	12.56	12.40	12.25	12.14	12.13	12.11	12.09	12.09	12.09	12.09
G151.0	12.82	12.81	12.71	12.54	12.33	12.13	11.99	11.98	11.97	11.96	11.95	11.93	11.92
G152.0	12.84	12.84	12.72	12.52	12.27	12.02	11.84	11.83	11.82	11.81	11.80	11.76	11.74
G153.0	12.84	12.85	12.73	12.50	12.20	11.90	11.68	11.66	11.64	11.62	11.61	11.58	11.55
G154.0	12.81	12.84	12.73	12.49	12.15	11.79	11.51	11.47	11.43	11.40	11.40	11.38	11.36
G155.0	12.77	12.81	12.72	12.48	12.10	11.69	11.35	11.29	11.22	11.16	11.16	11.15	11.15
G156.0	12.70	12.77	12.71	12.47	12.07	11.61	11.22	11.01	10.93	10.92	10.92	10.92	10.93
G157.0	12.63	12.72	12.67	12.45	12.04	11.54	11.10	10.84	10.73	10.69	10.67	10.66	10.68
G158.0	12.55	12.64	12.61	12.40	11.97	11.45	10.98	10.68	10.52	10.45	10.42	10.41	10.43
G159.0	12.45	12.54	12.50	12.29	11.86	11.32	10.83	10.50	10.31	10.22	10.16	10.14	10.15
G160.0	12.30	12.36	12.31	12.09	11.66	11.13	10.64	10.29	10.08	9.95	9.87	9.83	9.83
G161.0	12.09	12.11	12.03	11.79	11.36	10.85	10.37	10.03	9.81	9.66	9.55	9.47	9.45
G162.0	11.79	11.77	11.65	11.38	10.96	10.48	10.04	9.71	9.49	9.33	9.20	9.10	9.05
G163.0	11.38	11.32	11.16	10.88	10.49	10.05	9.64	9.35	9.14	8.99	8.85	8.75	8.70
G164.0	10.87	10.79	10.61	10.34	9.97	9.57	9.21	8.94	8.76	8.63	8.52	8.44	8.41
G165.0	10.28	10.20	10.04	9.80	9.46	9.09	8.77	8.53	8.38	8.27	8.19	8.13	8.11
G166.0	9.65	9.60	9.50	9.30	9.00	8.66	8.35	8.14	8.01	7.93	7.85	7.79	7.76
G167.0	9.05	9.03	8.97	8.83	8.56	8.24	7.95	7.77	7.66	7.58	7.50	7.44	7.40
G168.0	8.55	8.52	8.46	8.32	8.09	7.82	7.57	7.41	7.30	7.23	7.15	7.09	7.06
G169.0	8.12	8.05	7.94	7.78	7.59	7.38	7.20	7.06	6.95	6.87	6.81	6.76	6.74
G170.0	7.68	7.57	7.41	7.25	7.09	6.95	6.82	6.71	6.61	6.53	6.46	6.42	6.41
G171.0	7.16	7.02	6.88	6.74	6.63	6.53	6.45	6.36	6.27	6.19	6.13	6.08	6.05
G172.0	6.60	6.48	6.37	6.28	6.21	6.15	6.09	6.03	5.96	5.88	5.81	5.75	5.70
G173.0	6.11	6.01	5.94	5.88	5.84	5.81	5.78	5.73	5.67	5.60	5.53	5.46	5.41
G174.0	5.72	5.65	5.59	5.54	5.52	5.51	5.49	5.46	5.41	5.35	5.28	5.23	5.19
G175.0	5.40	5.35	5.29	5.25	5.24	5.24	5.23	5.20	5.15	5.09	5.05	5.02	5.00
G176.0	5.11	5.07	5.02	4.98	4.98	4.98	4.98	4.93	4.86	4.81	4.82	4.83	4.84
G177.0	4.85	4.81	4.77	4.74	4.74	4.74	4.74	4.67	4.59	4.55	4.57	4.63	4.67
G178.0	4.60	4.57	4.54	4.52	4.52	4.52	4.51	4.45	4.38	4.34	4.38	4.45	4.50
G179.0	4.36	4.34	4.33	4.32	4.32	4.32	4.31	4.28	4.23	4.22	4.24	4.29	4.32
G180.0	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 17/18

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G146.0	12.60	12.62	12.64	12.62	12.60	12.59	12.60	12.61	12.62	12.63	12.64	12.65	12.67
G147.0	12.50	12.53	12.57	12.53	12.50	12.48	12.48	12.49	12.50	12.52	12.54	12.56	12.58
G148.0	12.39	12.42	12.46	12.42	12.39	12.36	12.36	12.36	12.37	12.39	12.41	12.44	12.48
G149.0	12.26	12.29	12.33	12.29	12.26	12.23	12.23	12.23	12.23	12.24	12.25	12.30	12.37
G150.0	12.10	12.13	12.17	12.13	12.10	12.09	12.09	12.09	12.09	12.11	12.13	12.14	12.25
G151.0	11.93	11.95	11.99	11.95	11.93	11.92	11.93	11.95	11.96	11.97	11.98	11.99	12.13
G152.0	11.74	11.76	11.80	11.76	11.74	11.74	11.76	11.80	11.81	11.82	11.83	11.84	12.02
G153.0	11.55	11.57	11.61	11.57	11.55	11.55	11.58	11.61	11.62	11.64	11.66	11.68	11.90
G154.0	11.37	11.39	11.42	11.39	11.37	11.36	11.38	11.40	11.40	11.43	11.47	11.51	11.79
G155.0	11.17	11.20	11.24	11.20	11.17	11.15	11.15	11.16	11.16	11.22	11.29	11.35	11.69
G156.0	10.96	11.01	11.06	11.01	10.96	10.93	10.92	10.92	10.92	10.93	11.01	11.22	11.61
G157.0	10.73	10.79	10.87	10.79	10.73	10.68	10.66	10.67	10.69	10.73	10.84	11.10	11.54
G158.0	10.48	10.55	10.63	10.55	10.48	10.43	10.41	10.42	10.45	10.52	10.68	10.98	11.45
G159.0	10.20	10.26	10.34	10.26	10.20	10.15	10.14	10.16	10.22	10.31	10.50	10.83	11.32
G160.0	9.86	9.92	9.99	9.92	9.86	9.83	9.83	9.87	9.95	10.08	10.29	10.64	11.13
G161.0	9.47	9.52	9.59	9.52	9.47	9.45	9.47	9.55	9.66	9.81	10.03	10.37	10.85
G162.0	9.06	9.12	9.19	9.12	9.06	9.05	9.10	9.20	9.33	9.49	9.71	10.04	10.48
G163.0	8.71	8.77	8.85	8.77	8.71	8.70	8.75	8.85	8.99	9.14	9.35	9.64	10.05
G164.0	8.42	8.48	8.55	8.48	8.42	8.41	8.44	8.52	8.63	8.76	8.94	9.21	9.57
G165.0	8.13	8.18	8.25	8.18	8.13	8.11	8.13	8.19	8.27	8.38	8.53	8.77	9.09
G166.0	7.78	7.82	7.89	7.82	7.78	7.76	7.79	7.85	7.93	8.01	8.14	8.35	8.66
G167.0	7.41	7.45	7.51	7.45	7.41	7.40	7.44	7.50	7.58	7.66	7.77	7.95	8.24
G168.0	7.07	7.11	7.16	7.11	7.07	7.06	7.09	7.15	7.23	7.30	7.41	7.57	7.82
G169.0	6.75	6.80	6.85	6.80	6.75	6.74	6.76	6.81	6.87	6.95	7.06	7.20	7.38
G170.0	6.43	6.46	6.51	6.46	6.43	6.41	6.42	6.46	6.53	6.61	6.71	6.82	6.95
G171.0	6.05	6.06	6.08	6.06	6.05	6.05	6.08	6.13	6.19	6.27	6.36	6.45	6.53
G172.0	5.69	5.68	5.67	5.68	5.69	5.70	5.75	5.81	5.88	5.96	6.03	6.09	6.15
G173.0	5.40	5.39	5.38	5.39	5.40	5.41	5.46	5.53	5.60	5.67	5.73	5.78	5.81
G174.0	5.17	5.19	5.21	5.19	5.17	5.19	5.23	5.28	5.35	5.41	5.46	5.49	5.51
G175.0	5.01	5.02	5.04	5.02	5.01	5.00	5.02	5.05	5.09	5.15	5.20	5.23	5.24
G176.0	4.84	4.82	4.80	4.82	4.84	4.84	4.83	4.82	4.81	4.86	4.93	4.98	4.98
G177.0	4.66	4.61	4.53	4.61	4.66	4.67	4.63	4.57	4.55	4.59	4.67	4.74	4.74
G178.0	4.48	4.42	4.32	4.42	4.48	4.50	4.45	4.38	4.34	4.38	4.45	4.51	4.52
G179.0	4.30	4.26	4.20	4.26	4.30	4.32	4.29	4.24	4.22	4.23	4.28	4.31	4.32
G180.0	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurem.

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 18/18

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G146.0	12.69	12.72	12.74	12.75	12.72	12.65	12.54
G147.0	12.61	12.65	12.70	12.73	12.72	12.65	12.54
G148.0	12.54	12.61	12.68	12.73	12.74	12.67	12.54
G149.0	12.47	12.58	12.68	12.75	12.76	12.69	12.55
G150.0	12.40	12.56	12.69	12.78	12.79	12.70	12.55
G151.0	12.33	12.54	12.71	12.81	12.82	12.72	12.54
G152.0	12.27	12.52	12.72	12.84	12.84	12.72	12.50
G153.0	12.20	12.50	12.73	12.85	12.84	12.70	12.46
G154.0	12.15	12.49	12.73	12.84	12.81	12.65	12.40
G155.0	12.10	12.48	12.72	12.81	12.77	12.59	12.34
G156.0	12.07	12.47	12.71	12.77	12.70	12.52	12.27
G157.0	12.04	12.45	12.67	12.72	12.63	12.45	12.22
G158.0	11.97	12.40	12.61	12.64	12.55	12.38	12.18
G159.0	11.86	12.29	12.50	12.54	12.45	12.30	12.13
G160.0	11.66	12.09	12.31	12.36	12.30	12.20	12.06
G161.0	11.36	11.79	12.03	12.11	12.09	12.00	11.87
G162.0	10.96	11.38	11.65	11.77	11.79	11.71	11.59
G163.0	10.49	10.88	11.16	11.32	11.38	11.33	11.22
G164.0	9.97	10.34	10.61	10.79	10.87	10.86	10.79
G165.0	9.46	9.80	10.04	10.20	10.28	10.30	10.28
G166.0	9.00	9.30	9.50	9.60	9.65	9.69	9.72
G167.0	8.56	8.83	8.97	9.03	9.05	9.09	9.15
G168.0	8.09	8.32	8.46	8.52	8.55	8.59	8.63
G169.0	7.59	7.78	7.94	8.05	8.12	8.17	8.18
G170.0	7.09	7.25	7.41	7.57	7.68	7.71	7.73
G171.0	6.63	6.74	6.88	7.02	7.16	7.25	7.32
G172.0	6.21	6.28	6.37	6.48	6.60	6.72	6.85
G173.0	5.84	5.88	5.94	6.01	6.11	6.22	6.35
G174.0	5.52	5.54	5.59	5.65	5.72	5.78	5.83
G175.0	5.24	5.25	5.29	5.35	5.40	5.41	5.40
G176.0	4.98	4.98	5.02	5.07	5.11	5.12	5.10
G177.0	4.74	4.74	4.77	4.81	4.85	4.86	4.86
G178.0	4.52	4.52	4.54	4.57	4.60	4.63	4.65
G179.0	4.32	4.32	4.33	4.34	4.36	4.38	4.40
G180.0	4.12	4.12	4.12	4.12	4.12	4.12	4.12

LedsC4

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measur.

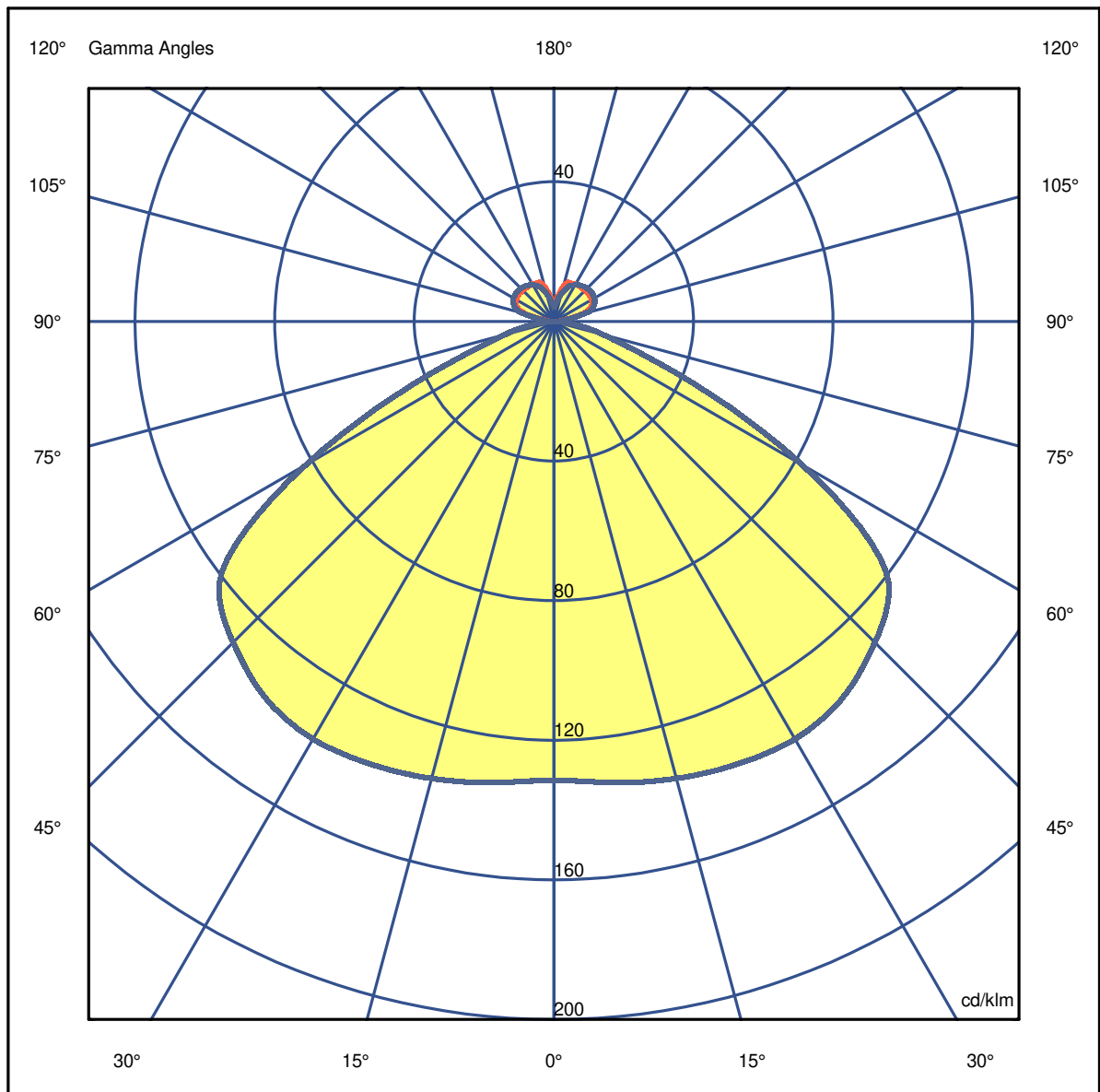
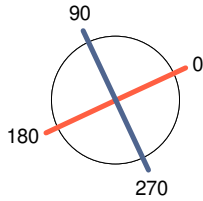
Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Diam=400mm

C Halfplanes

180.0 ———— 0.0
270.0 ———— 90.0



LedsC4

Luminaire

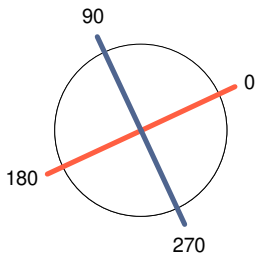
Code 00-9034-CV-A1
Name KEOPS

Measurem.

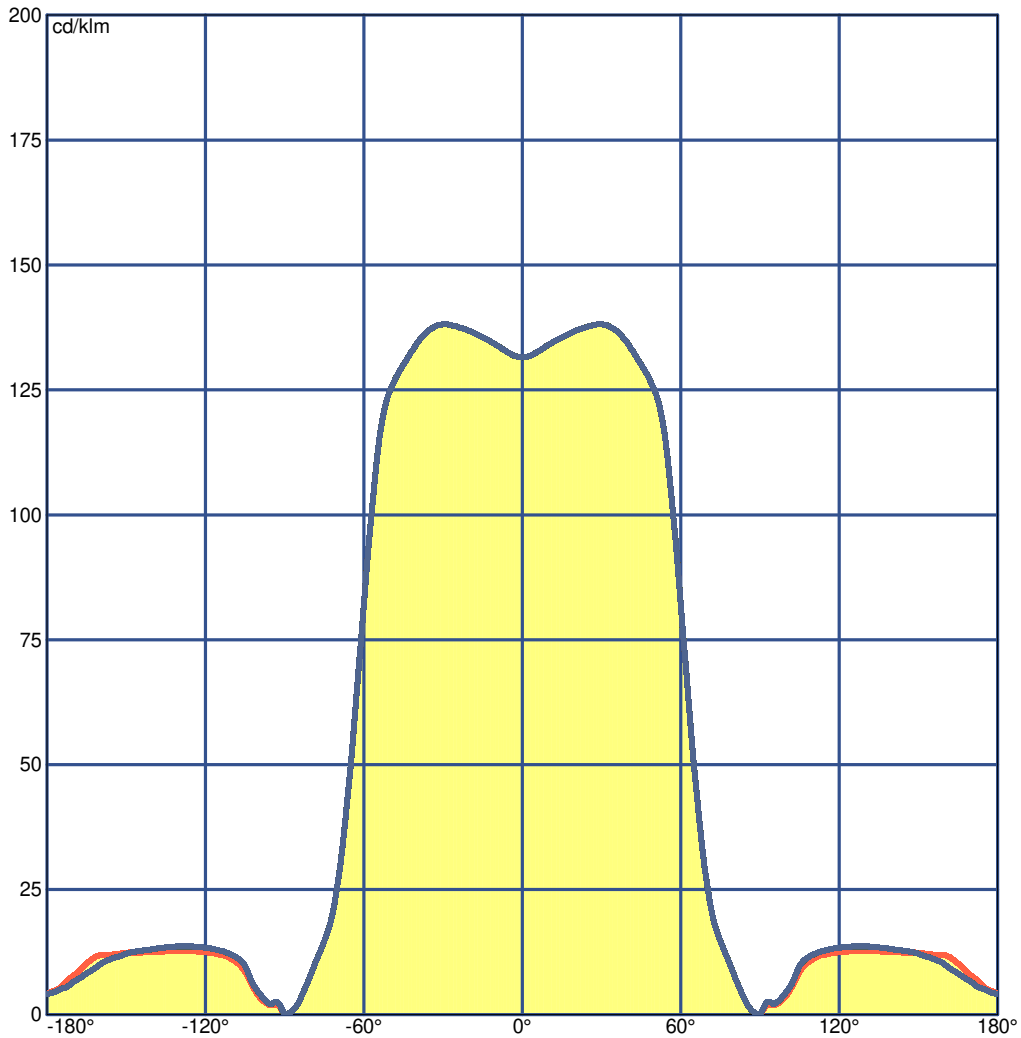
Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Diam=400mm



C Halfplanes



Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurem.

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	14.0	15.1	14.4	15.6	16.0	14.0	15.1	14.4	15.6	16.0
x=2H y=3H	14.5	15.5	14.9	16.0	16.5	14.5	15.5	14.9	16.0	16.5
x=2H y=4H	14.5	15.5	15.0	16.0	16.5	14.5	15.5	15.0	16.0	16.5
x=2H y=6H	14.5	15.4	15.1	15.9	16.5	14.5	15.4	15.1	15.9	16.5
x=2H y=8H	14.6	15.4	15.1	15.9	16.5	14.6	15.4	15.1	15.9	16.5
x=2H y=12H	14.5	15.3	15.1	15.9	16.4	14.5	15.3	15.1	15.9	16.4
x=4H y=2H	14.3	15.3	14.8	15.8	16.3	14.3	15.3	14.8	15.8	16.3
x=4H y=3H	14.9	15.7	15.4	16.2	16.8	14.9	15.7	15.4	16.2	16.8
x=4H y=4H	15.0	15.7	15.6	16.3	16.9	15.0	15.7	15.6	16.3	16.9
x=4H y=6H	15.1	15.7	15.7	16.3	16.9	15.1	15.7	15.7	16.3	16.9
x=4H y=8H	15.1	15.7	15.7	16.3	16.9	15.1	15.7	15.7	16.3	16.9
x=4H y=12H	15.1	15.6	15.7	16.2	16.9	15.1	15.6	15.7	16.2	16.9
x=8H y=4H	15.0	15.6	15.6	16.2	16.8	15.0	15.6	15.6	16.2	16.8
x=8H y=6H	15.1	15.6	15.8	16.2	16.9	15.1	15.6	15.8	16.2	16.9
x=8H y=8H	15.2	15.6	15.8	16.2	16.9	15.2	15.6	15.8	16.2	16.9
x=8H y=12H	15.2	15.5	15.8	16.2	16.9	15.2	15.5	15.8	16.2	16.9
x=12H y=4H	15.0	15.5	15.6	16.1	16.8	15.0	15.5	15.6	16.1	16.8
x=12H y=6H	15.1	15.5	15.8	16.1	16.9	15.1	15.5	15.8	16.1	16.9
x=12H y=8H	15.2	15.5	15.8	16.1	16.9	15.2	15.5	15.8	16.1	16.9

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurment

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Total Flux=1085.00 Luminaire Flux=575.78

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.38	0.47	0.55	0.61	0.70	0.76	0.80	0.84	0.87	0.93	0.96
RC	6	5	5	5	5	4	4	4	4	4	5	5

Zonal Flux per 1000 Lumen

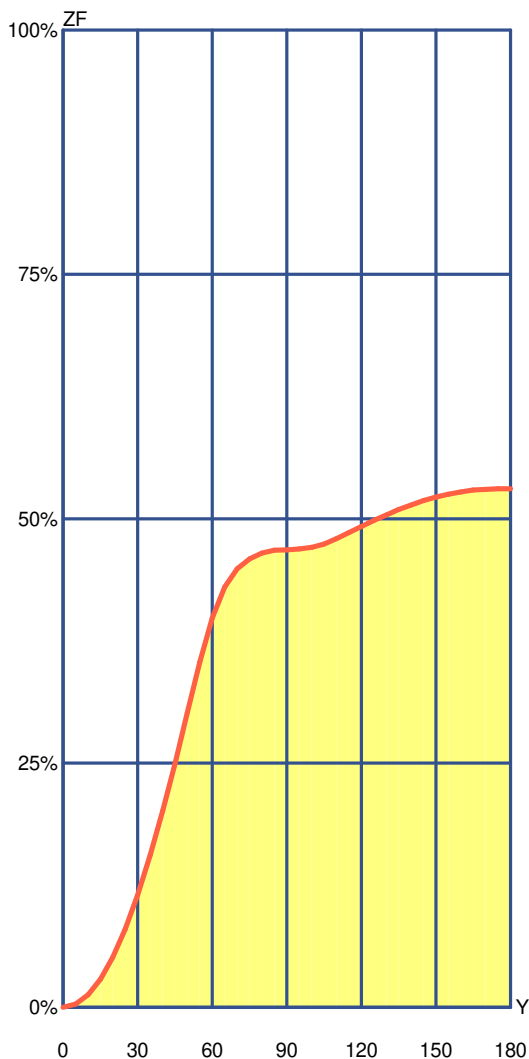
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	13	51	115	201	301	398	449	465	468	471	480	492	504	514	522	527	530	531

CIE Flux Codes

46 85 98 88 53

C.I.E. 6/5/5/5/4/4/4/4/5/5
D DIN 5040 B31
F UTE 0.47 F + 0.06 T
B NBN BZ 5 / 0.8 / BZ 4
RN 11.79929 %
BLF 1.0

LOR 53.06729 %
ULOR 6.26156 %
DLOR 46.80573 %
UFF 11.79929 %
DFF 88.20071 %
FFR 13.37777 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	3.15	3.15	0.59%	0.59%
10°	9.54	12.69	1.80%	2.39%
15°	16.00	28.69	3.01%	5.41%
20°	22.45	51.14	4.23%	9.64%
25°	28.79	79.93	5.43%	15.06%
30°	34.92	114.86	6.58%	21.64%
35°	40.56	155.41	7.64%	29.29%
40°	45.30	200.71	8.54%	37.82%
45°	48.92	249.64	9.22%	47.04%
50°	51.59	301.23	9.72%	56.76%
55°	51.99	353.21	9.80%	66.56%
60°	44.99	398.20	8.48%	75.04%
65°	31.91	430.10	6.01%	81.05%
70°	18.66	448.77	3.52%	84.57%
75°	10.05	458.82	1.89%	86.46%
80°	6.11	464.93	1.15%	87.61%
85°	2.73	467.65	0.51%	88.12%
90°	0.40	468.06	0.08%	88.20%
95°	0.97	469.03	0.18%	88.38%
100°	1.58	470.61	0.30%	88.68%
105°	3.49	474.10	0.66%	89.34%
110°	5.52	479.62	1.04%	90.38%
115°	6.16	485.78	1.16%	91.54%
120°	6.24	492.02	1.18%	92.72%
125°	6.08	498.10	1.15%	93.86%
130°	5.77	503.87	1.09%	94.95%
135°	5.35	509.22	1.01%	95.96%
140°	4.84	514.07	0.91%	96.87%
145°	4.28	518.35	0.81%	97.68%
150°	3.69	522.04	0.70%	98.37%
155°	3.06	525.10	0.58%	98.95%
160°	2.40	527.50	0.45%	99.40%
165°	1.67	529.17	0.31%	99.72%
170°	0.96	530.12	0.18%	99.90%
175°	0.44	530.56	0.08%	99.98%
180°	0.11	530.67	0.02%	100.00%

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Utilizations CIE

Mounting	Direct	Normalization										Normalised										Suspension Ratid/3										Standard CIE Settings																																																																																																																																																																																																																																																																																							
Ceiling																																																																																																																																																																																																																																																																																																																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	159	143	137	123	136	118	98	83	86	74	65	49	50	34	69	53	47	41	33	44	34	30	23	0.80	179	164	144	133	156	127	116	101	96	85	74	59	57	42	79	62	56	48	40	53	41	36	28	1.00	192	179	147	137	170	131	130	116	102	91	80	66	63	48	86	68	62	54	46	59	47	42	31	1.25	204	192	146	139	183	133	144	131	106	97	85	73	69	55	91	74	69	60	53	66	54	48	35	1.50	212	202	145	138	192	133	156	143	109	101	89	78	73	60	95	79	74	65	58	71	59	54	38	2.00	223	214	140	136	204	131	173	161	111	105	95	85	81	69	99	85	81	73	67	78	67	62	42	2.50	230	223	137	134	213	130	185	175	113	108	98	90	86	76	102	90	86	79	73	83	73	68	45	3.00	235	229	135	132	219	128	194	185	114	109	101	94	90	81	104	93	90	83	78	87	78	73	47	4.00	243	238	132	130	227	126	207	199	115	112	105	99	95	88	107	98	95	90	85	92	85	80	50	5.00	247	243	130	128	233	125	215	209	116	113	107	102	99	93	109	101	99	94	90	96	89	85	52	10.00	257	255	126	125	245	123	234	231	117	116	112	110	107	104	113	108	107	103	101	104	100	96	57	20.00	263	261	123	123	251	121	245	243	118	117	115	114	112	110	114	112	111	109	108	108	106	103	60

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	244	235	215	209	230	205	181	175	166	160	139	133	119	114	157	133	131	116	113	130	113	112	102	0.80	272	263	232	226	256	221	208	201	184	178	158	151	138	132	174	151	149	134	131	147	131	128	116	1.00	289	281	240	234	272	229	227	219	196	190	171	164	151	144	184	163	160	146	142	157	142	139	125	1.25	304	295	244	239	286	233	244	235	204	198	181	174	163	155	192	172	170	156	153	166	151	148	132	1.50	314	306	246	242	295	236	256	248	209	204	188	181	171	164	197	179	176	164	160	172	158	154	137	2.00	323	316	243	240	303	233	270	262	212	208	194	188	179	172	199	184	182	171	167	176	165	159	140	2.50	329	323	241	238	309	231	280	273	214	210	198	192	185	178	201	188	185	176	172	179	169	162	142	3.00	333	328	239	236	313	230	287	280	214	211	201	195	189	182	201	190	187	179	176	180	171	164	143	4.00	342	338	239	238	321	231	300	294	218	216	207	203	197	191	205	196	194	187	184	185	178	170	147	5.00	350	346	242	241	329	234	310	305	223	221	214	210	205	200	210	202	200	194	191	191	185	176	152	10.00	377	374	257	256	355	249	344	340	243	242	237	235	232	228	230	225	224	220	218	213	209	198	172	20.00	403	402	277	277	381	270	375	373	266	265	263	261	259	257	252	249	249	246	245	237	234	223	195
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Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	289	279	269	262	274	257	214	207	206	200	172	166	147	142	197	166	163	143	140	162	140	138	129	0.80	352	342	324	317	333	310	274	266	262	255	227	219	201	194	249	218	215	195	191	212	191	188	178	1.00	400	390	365	357	379	350	322	312	305	297	271	262	245	236	289	260	257	237	233	253	232	228	218	1.25	445	435	401	394	421	386	368	358	345	338	313	304	288	279	328	301	298	279	274	292	272	266	257	1.50	478	468	427	421	452	411	403	392	374	367	345	336	321	311	356	331	327	311	305	320	302	295	285	2.00	524	515	462	457	497	446	454	444	416	410	391	382	370	360	396	375	372	357	352	362	347	338	328	2.50	553	545	483	479	524	467	487	477	442	437	420	412	402	392	421	403	400	387	382	388	375	364	355	3.00	573	566	497	493	544	482	511	501	460	455	441	433	424	414	438	422	419	408	403	406	395	383	373	4.00	598	592	513	510	568	498	540	532	481	477	465	459	451	443	458	446	443	434	429	428	418	404	395	5.00	613	608	523	520	582	508	559	552	494	490	480	474	468	460	470	460	457	449	445	441	433	417	407	10.00	645	642	542	541	612	528	598	594	520	518	512	508	504	499	495	489	487	483	480	468	463	444	434	20.00	662	661	552	551	629	538	621	619	534	533	529	527	524	522	509	505	504	502	500	483	480	459	449
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LM53 SHR C0-C180: 1.563 SHR C90-C270: 1.563 SHR Square: 1.696

LedsC4

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurem.

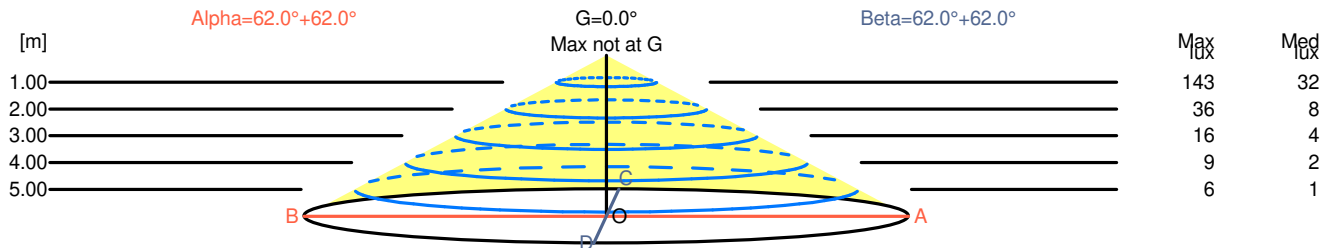
Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.88	3.76	5.63	7.51	9.39	OC	1.88	3.76	5.63	7.51	9.39
OB	1.88	3.76	5.63	7.51	9.39	OD	1.88	3.76	5.63	7.51	9.39

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	142.64	143.64	147.05	149.38	148.68	141.10	120.78	54.15	15.88	2.37
OB	142.64	143.64	147.05	149.38	148.68	141.10	120.78	54.15	15.88	2.37
OC	142.64	143.64	147.05	149.38	148.68	141.10	120.78	54.15	15.88	2.37
OD	142.64	143.64	147.05	149.38	148.68	141.10	120.78	54.15	15.88	2.37



H[m]	D[m]	Max lux	Med lux	Alpha=62.0°+62.0°	G=0.0° Max not at G
1.00	3.76	143	32		
2.00	7.51	36	8		
3.00	11.27	16	4		
4.00	15.03	9	2		
5.00	18.78	6	1		

H[m]	D[m]	Max lux	Med lux	Beta=62.0°+62.0°	G=0.0° Max not at G
1.00	3.76	143	32		
2.00	7.51	36	8		
3.00	11.27	16	4		
4.00	15.03	9	2		
5.00	18.78	6	1		

Luminaire

Code 00-9034-CV-A1
Name KEOPS

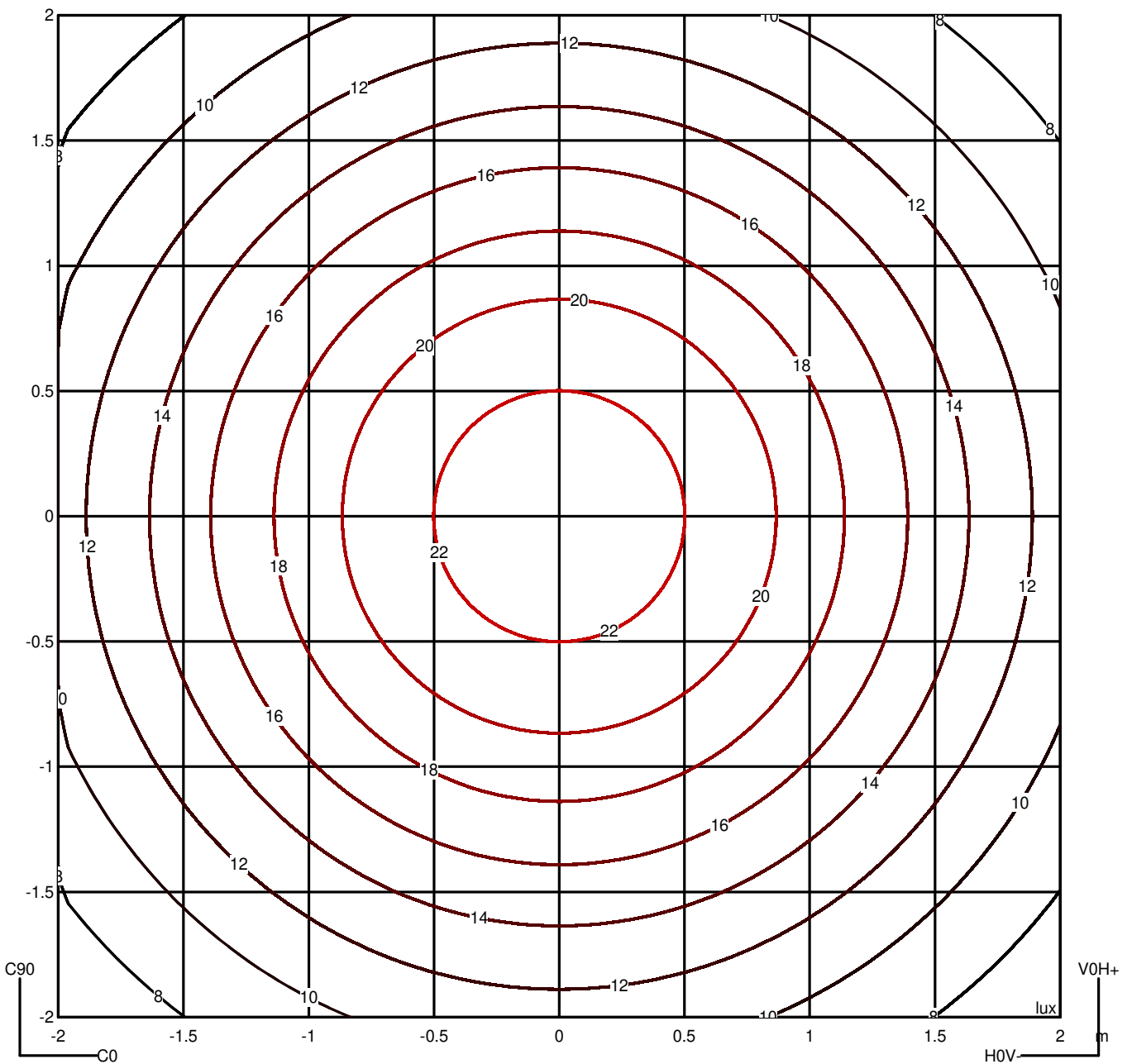
Measur.

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire

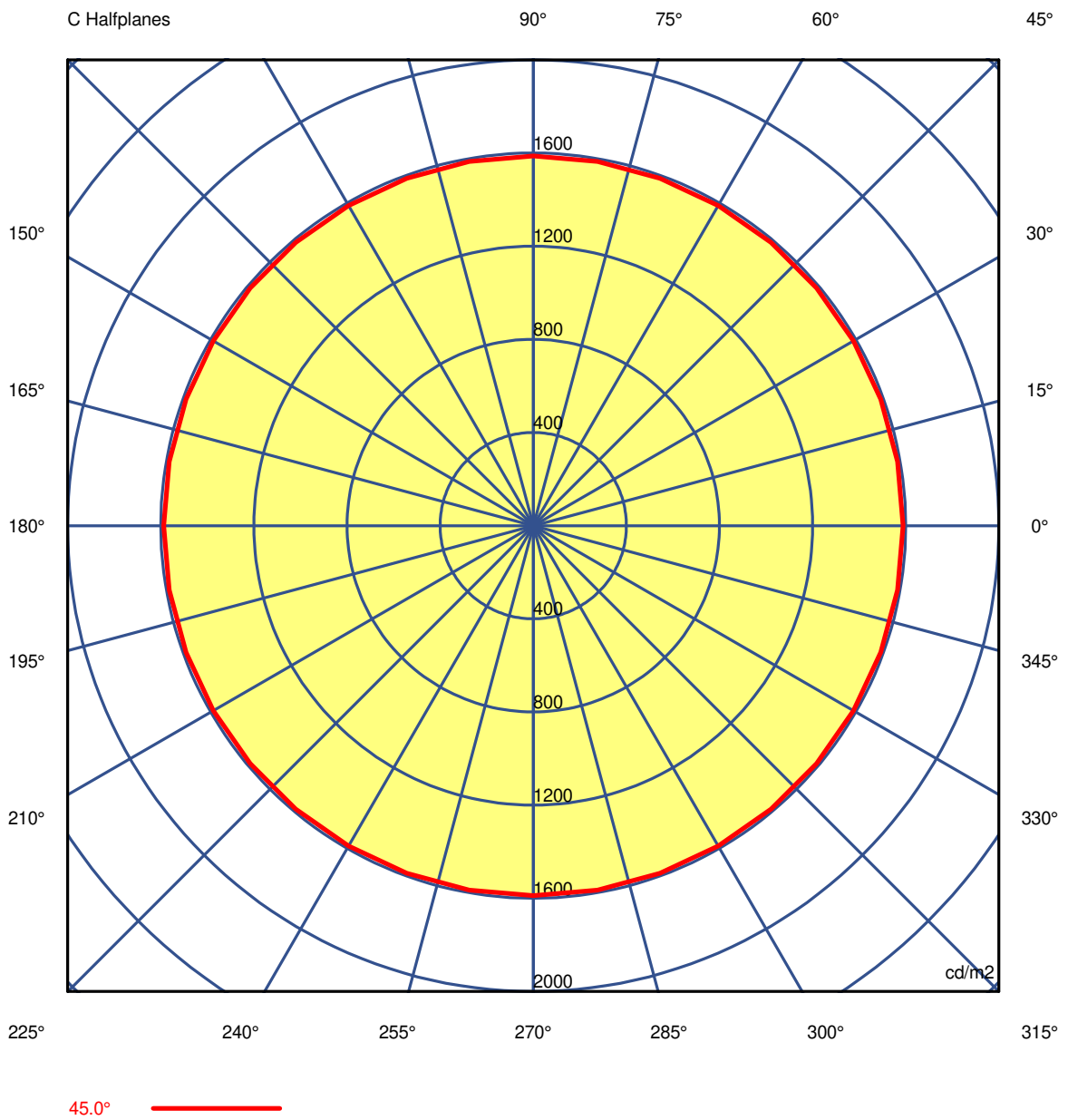
Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminance



Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06
G 5.0	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40
G 10.0	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15
G 15.0	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47
G 20.0	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69
G 25.0	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60
G 30.0	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16
G 35.0	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37
G 40.0	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10
G 45.0	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98
G 50.0	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93
G 55.0	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74
G 60.0	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81
G 65.0	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56
G 70.0	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63
G 75.0	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13
G 80.0	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69
G 85.0	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measurement

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06
G 5.0	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40
G 10.0	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15
G 15.0	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47
G 20.0	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69
G 25.0	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60
G 30.0	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16
G 35.0	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37
G 40.0	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10
G 45.0	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98
G 50.0	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93
G 55.0	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74
G 60.0	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81
G 65.0	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56
G 70.0	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63
G 75.0	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13
G 80.0	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69
G 85.0	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 00-9034-CV-A1
Name KEOPS

Measur.

Code 00-9034-CV-A1
Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06	1135.06
G 5.0	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40	1147.40
G 10.0	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15	1175.15
G 15.0	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47	1211.47
G 20.0	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69	1256.69
G 25.0	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60	1311.60
G 30.0	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16	1377.16
G 35.0	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37	1444.37
G 40.0	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10	1513.10
G 45.0	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98	1587.98
G 50.0	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93	1678.93
G 55.0	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74	1675.74
G 60.0	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81	1417.81
G 65.0	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56	1019.56
G 70.0	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63	650.63
G 75.0	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13	488.13
G 80.0	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69	405.69
G 85.0	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34	216.34
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 00-9034-CV-A1

Name KEOPS

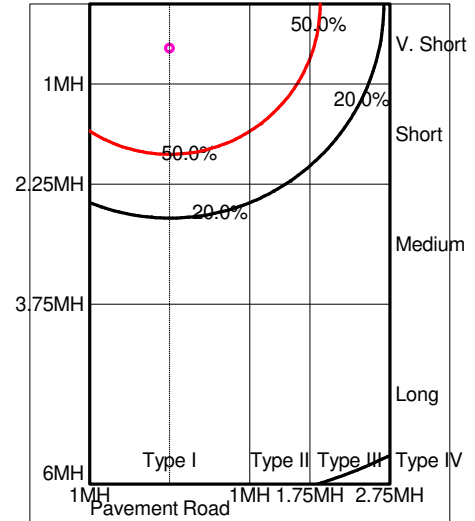
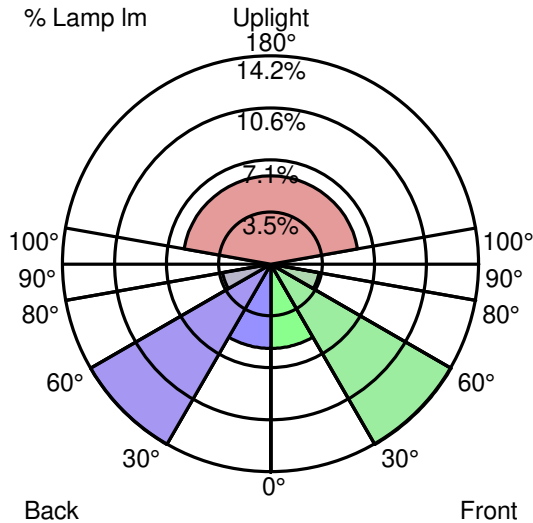
Measurement

Code 00-9034-CV-A1

Name KEOPS

Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp %Lum
FL	0° -- 30°	62.3 lm	5.7 % 10.8 %
FM	30° -- 60°	153.7 lm	14.2 % 26.7 %
FH	60° -- 80°	36.2 lm	3.3 % 6.3 %
FVH	80° -- 90°	1.7 lm	0.2 % 0.3 %
BL	0° -- 30°	62.3 lm	5.7 % 10.8 %
BM	30° -- 60°	153.7 lm	14.2 % 26.7 %
BH	60° -- 80°	36.2 lm	3.3 % 6.3 %
BVH	80° -- 90°	1.7 lm	0.2 % 0.3 %
UL	90° -- 100°	2.8 lm	0.3 % 0.5 %
UH	100° -- 180°	65.2 lm	6.0 % 11.3 %
TOTALS		575.8 lm	53.1 % 100.0 %
BUG B0 U3 G0 Type V Very Short Quadrilateral Symmetry			