

Luminaire

Code 00-9033-A3-A1
Name KEOPS

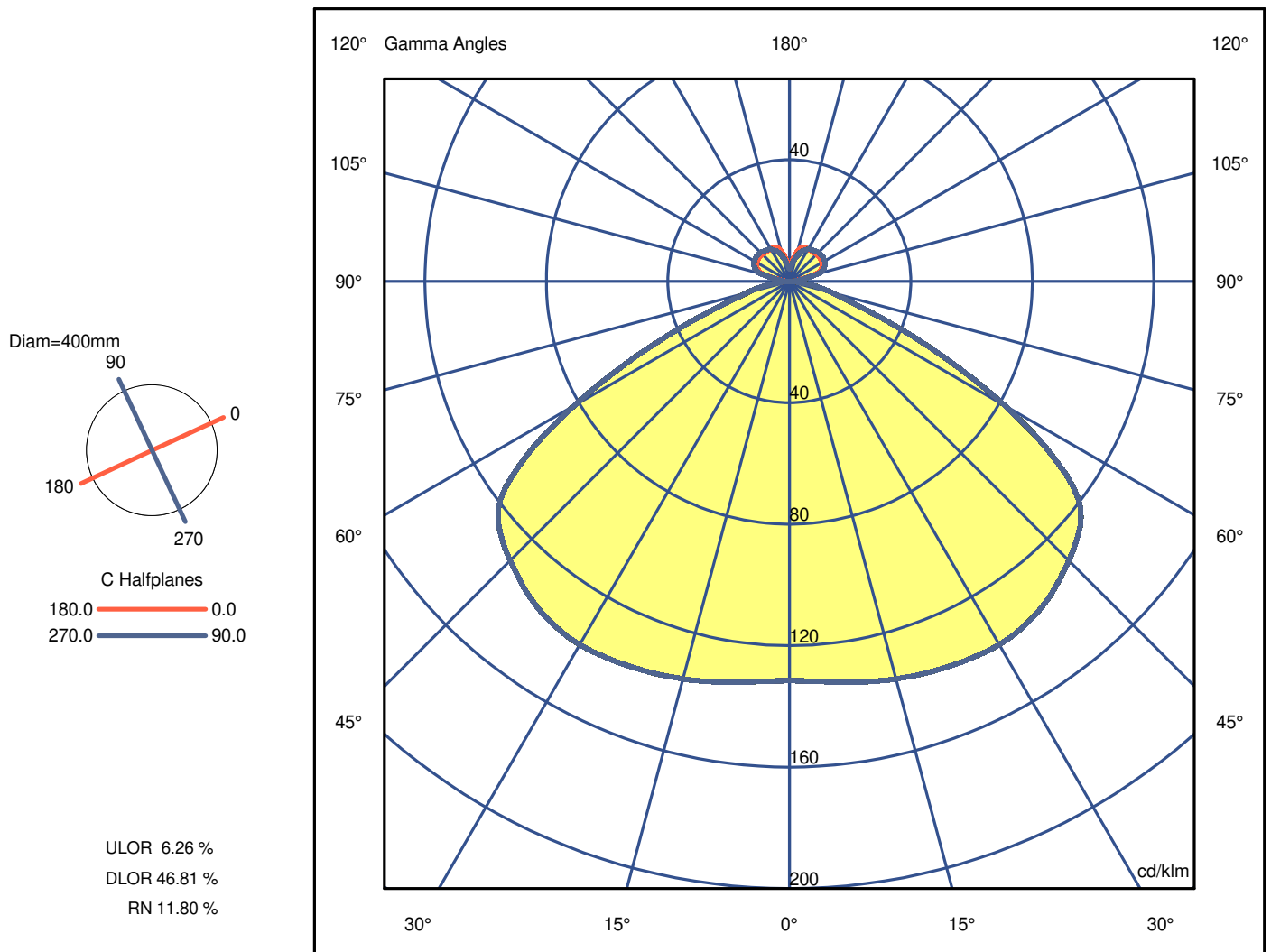
Measurement

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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
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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Summary table with 7 columns: 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 2/18

Main data table with 14 columns: 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. Rows represent luminaire heights from G 0.0 to G 72.0.

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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 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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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 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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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 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

Luminaire

Code 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 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 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measurem.

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measur.

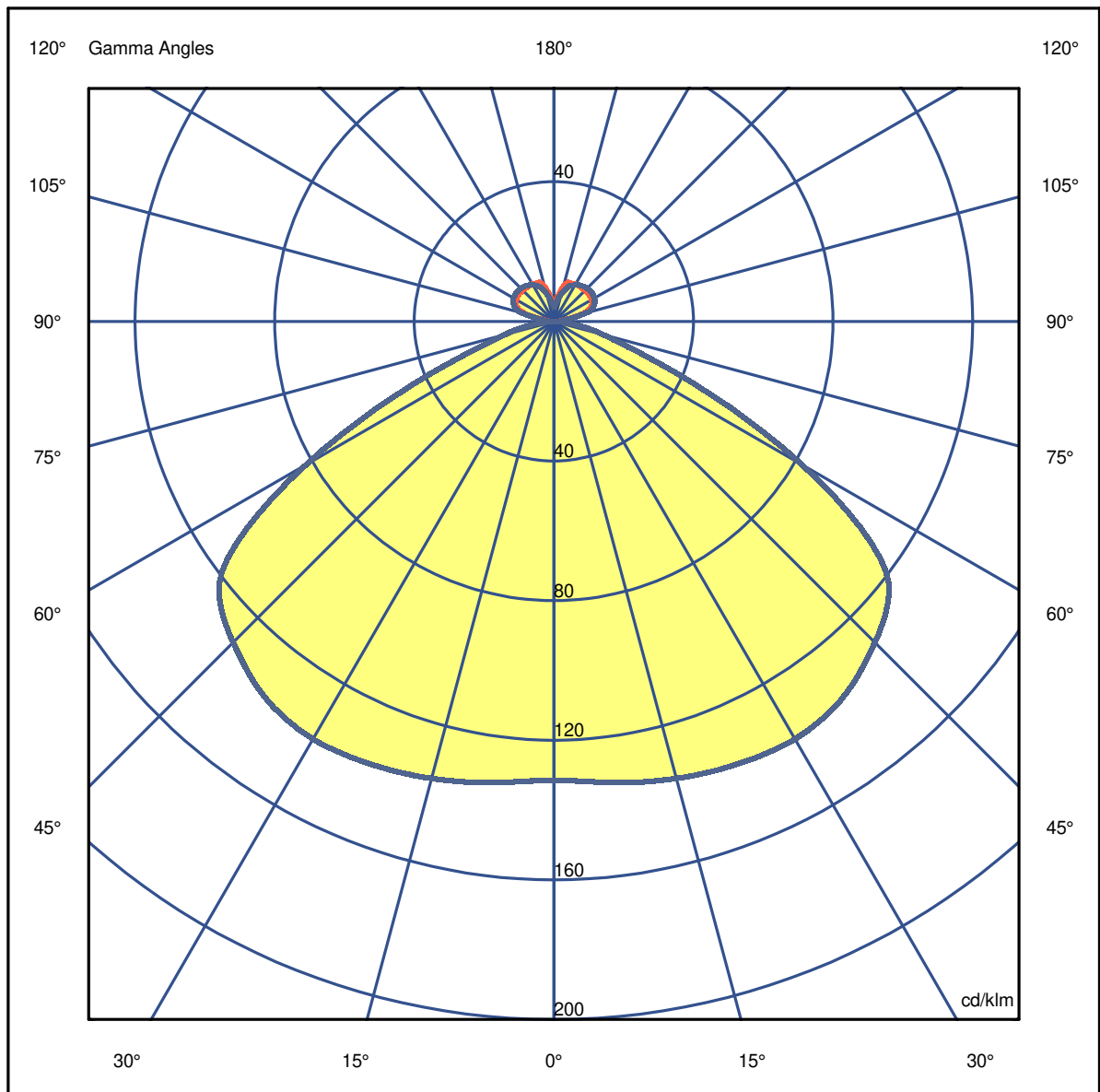
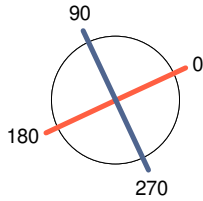
Code 00-9033-A3-A1
Name KEOPS

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

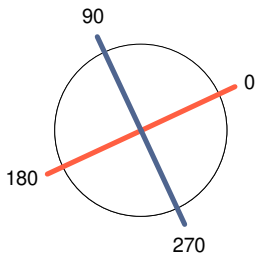
Code 00-9033-A3-A1
Name KEOPS

Measurem.

Code 00-9033-A3-A1
Name KEOPS

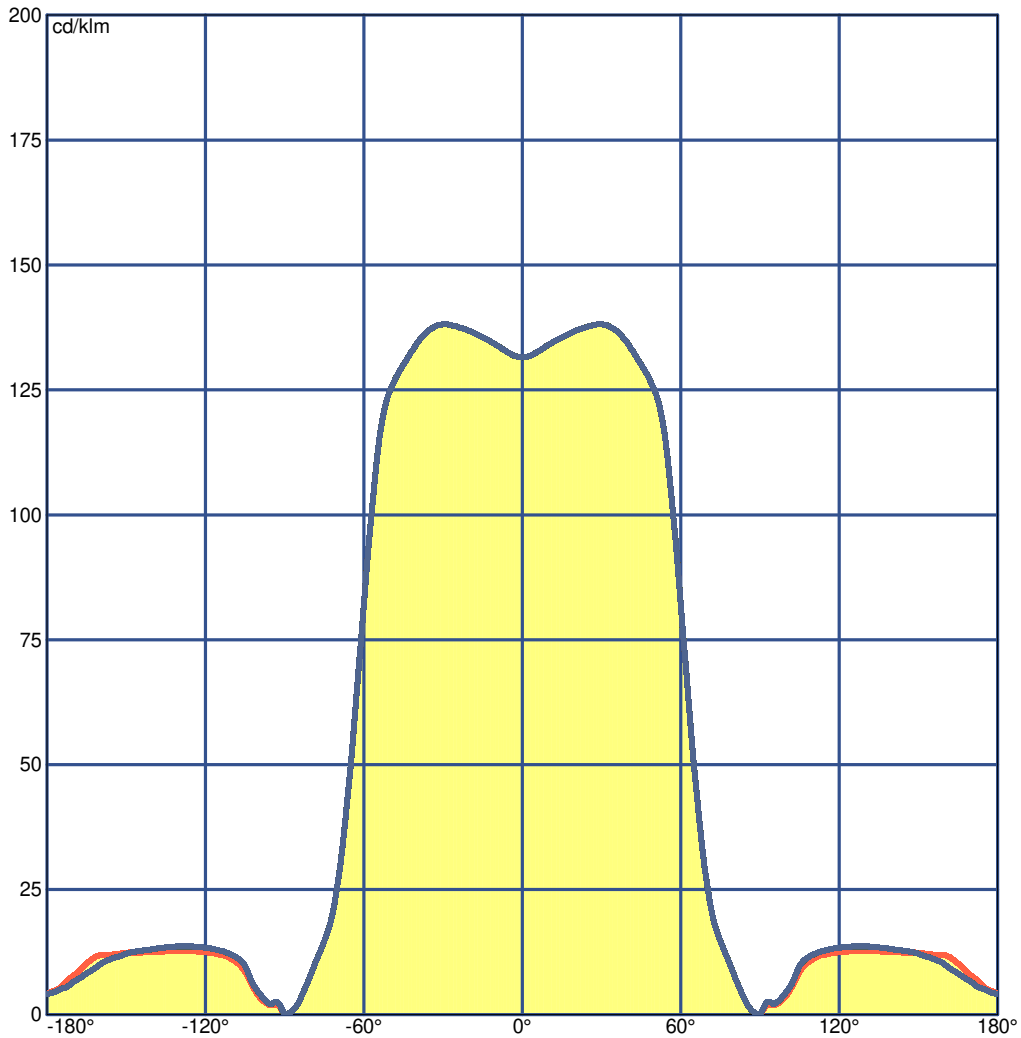
Luminaire Flux	576 lm	Luminaire Power	8.5 W	Efficacy	67.739 lm/W	Efficiency	53.07%
Source Flux	1085 lm	Maximum value	138.16 cd/klm	Position	C=0.00 G=29.00	CG	Asymmetrical

Diam=400mm



C Halfplanes

180.0 ———— 0.0
270.0 ———— 90.0



Luminaire

Code 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measurerm.

Code 00-9033-A3-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

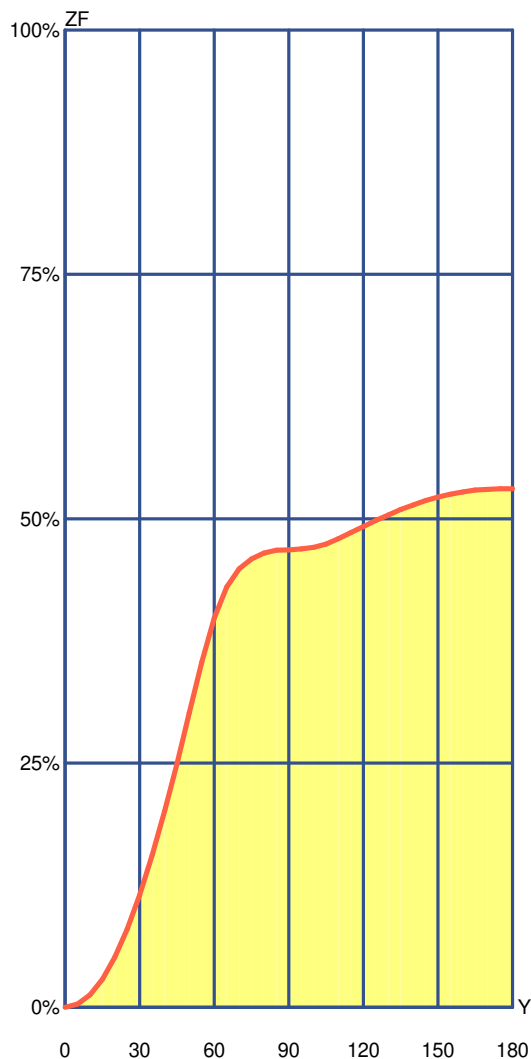
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	13	51	115	201	301	398	449	465	468	471	480	492	504	514	522	527	530	531

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 00-9033-A3-A1
Name KEOPS

Measurem.

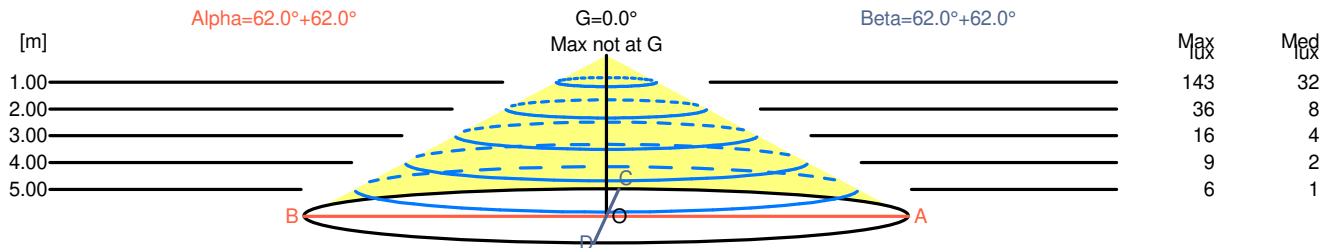
Code 00-9033-A3-A1
Name KEOPS

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 00-9033-A3-A1
Name KEOPS

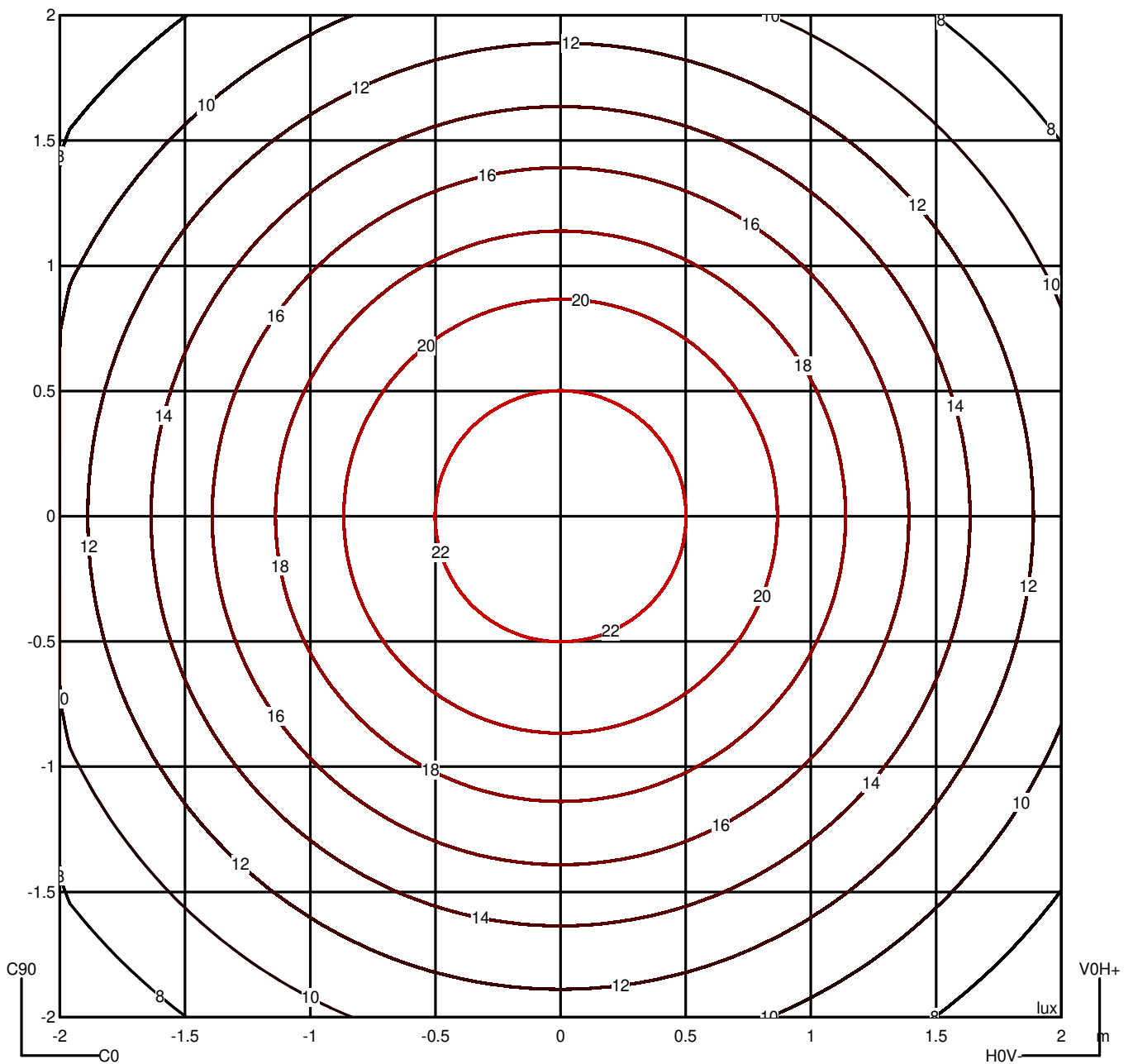
Measur.

Code 00-9033-A3-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

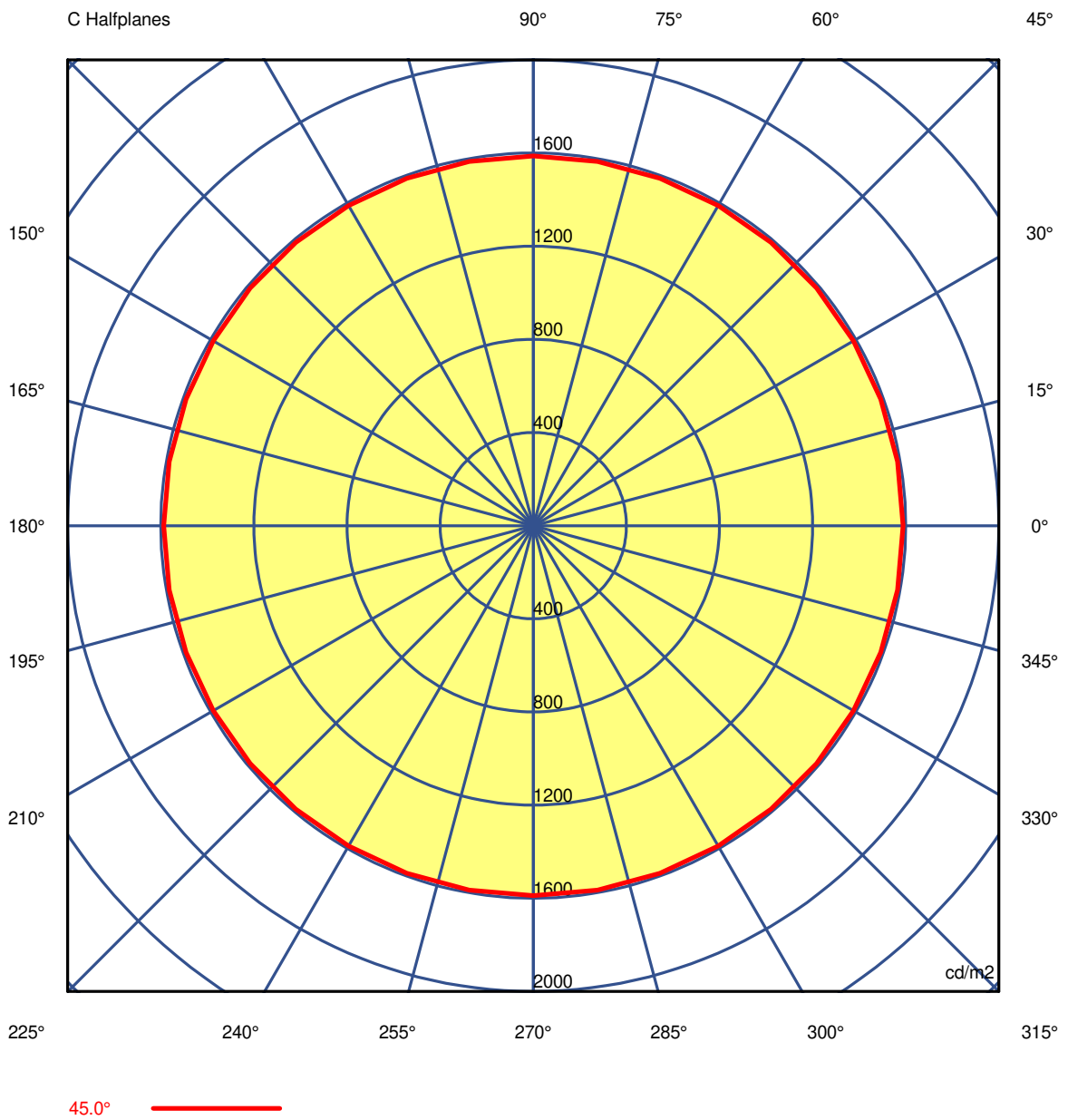
Code 00-9033-A3-A1
Name KEOPS

Measurem.

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measurement

Code 00-9033-A3-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 00-9033-A3-A1
Name KEOPS

Measur.

Code 00-9033-A3-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 00-9033-A3-A1

Name KEOPS

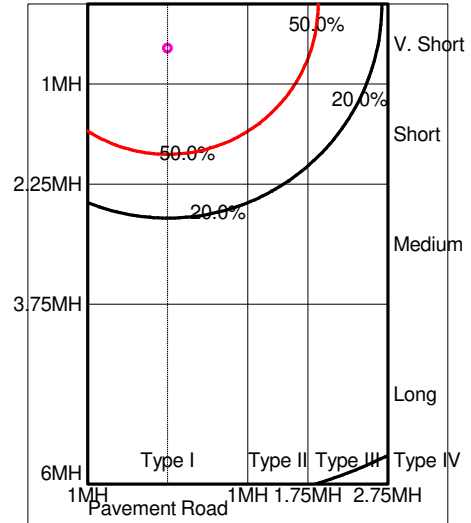
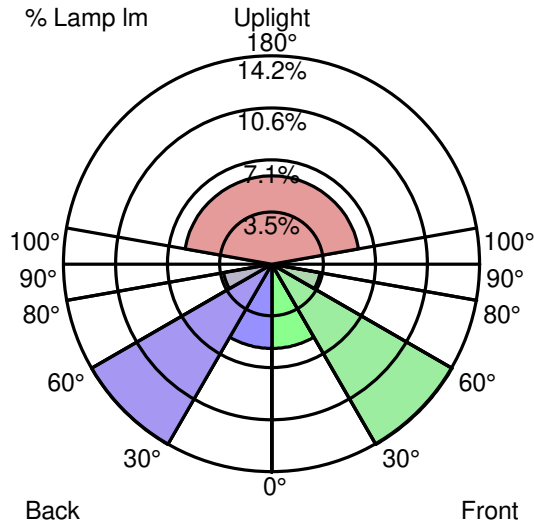
Measurement

Code 00-9033-A3-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	