

Luminaire

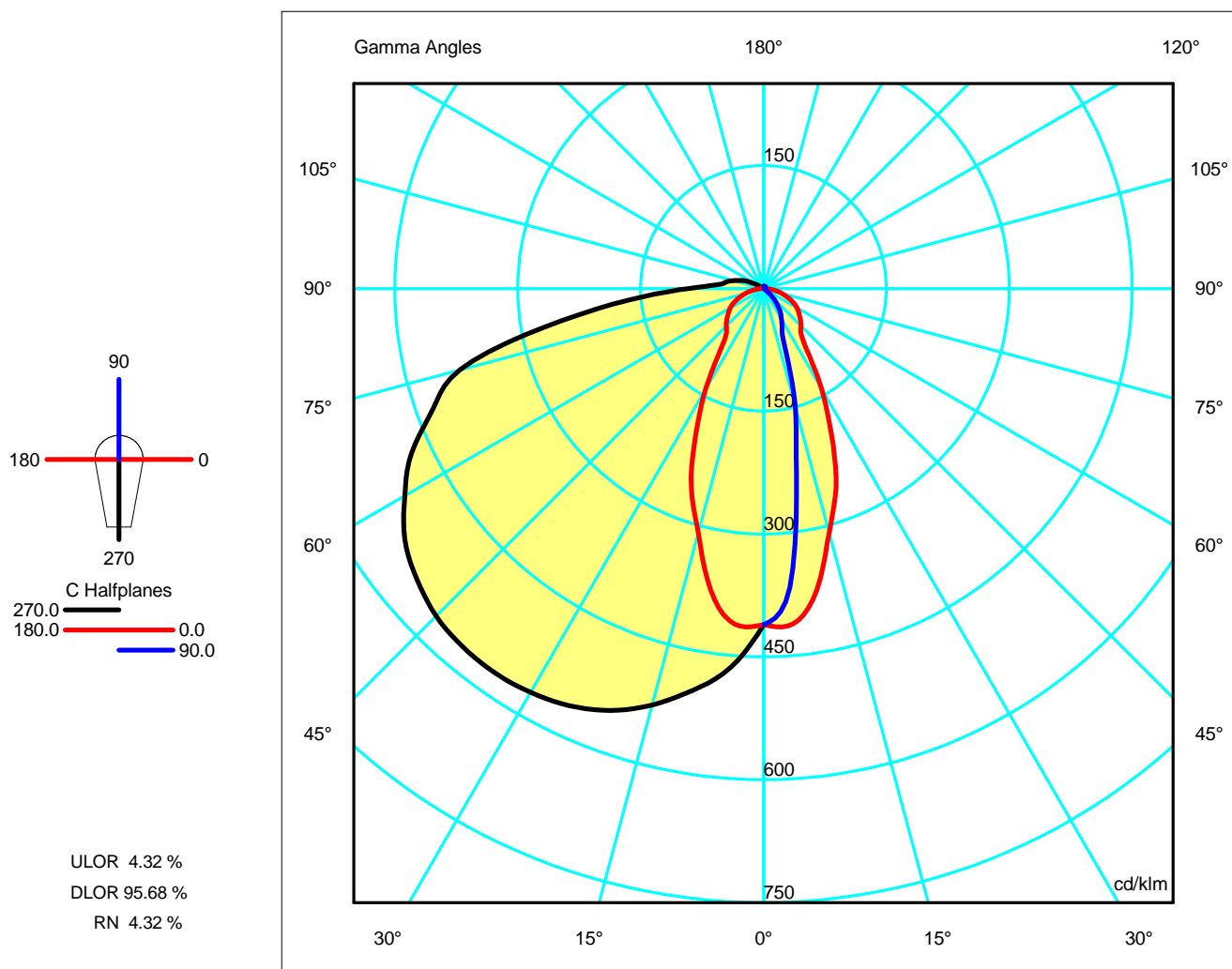
Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

Measurerm.

Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

Luminaire Flux	701.15 lm	Luminaire Power	13.78 W	Efficacy	50.88 lm/W	Efficiency	100.00%
Lamps Flux	701.15 lm	Maximum value	572.64 cd/klm	Position	C=270.00 G=35.00	CG Sym. on planes 270-90	
Rectangular Luminaire		Length	160 mm	Width	115 mm	Height	140 mm
Rectangular Luminous Area		Length	70 mm	Width	70 mm	Height	0 mm
Horizontal Luminous Area		0.004900 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°	0.001185 m2		
Coordinate system		CG Roads		Symmetry Type		Sym. on planes 270-90	
Date		12-04-2017		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		701.15 lm	
Operator		LEDS		Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

Line	Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		Name				
	05-9685-Z5-CLV1	05-9685-Z5-CLV1		701.15	13.78	1
C.I.E.	44 75 93 96 100		D DIN 5040	A31		



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Luminous Intensity Table cd/klm Table 1/1

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	410.44	410.44	410.44	410.44	410.44	410.44	410.44	410.44	410.44	410.44	410.44	410.44	410.44
G 5.0	464.81	444.59	454.37	433.26	433.55	417.96	411.23	378.61	381.66	334.69	366.86	324.11	366.55
G 10.0	498.36	480.95	483.97	459.19	445.01	416.49	373.62	293.82	294.81	237.04	256.05	199.29	230.03
G 15.0	526.54	512.23	506.98	476.22	448.67	398.33	308.80	227.28	205.32	142.73	153.26	108.86	148.60
G 20.0	548.27	533.36	522.90	487.82	445.22	350.29	258.38	151.54	132.85	70.66	76.80	60.57	75.33
G 25.0	561.91	550.81	532.97	493.60	437.91	310.24	195.65	86.81	70.85	60.04	57.36	50.36	53.33
G 30.0	569.28	560.01	539.17	496.11	427.48	278.53	140.95	67.01	61.83	52.29	49.31	42.63	43.44
G 35.0	572.64	565.30	540.02	494.20	408.07	241.86	92.30	60.22	54.64	46.80	42.42	33.38	35.63
G 40.0	571.31	565.25	534.70	485.42	382.81	192.05	70.71	54.53	49.90	38.27	34.21	24.13	25.34
G 45.0	565.58	558.61	520.24	471.04	345.37	154.10	64.55	50.91	43.74	28.89	23.77	13.05	16.07
G 50.0	552.55	545.22	500.06	446.04	307.76	121.41	58.50	45.80	34.99	17.68	13.57	4.75	5.49
G 55.0	534.87	524.42	472.09	416.38	225.22	79.48	52.76	38.16	26.33	9.56	4.62	0.66	0.63
G 60.0	505.82	498.80	425.72	326.25	158.60	61.49	46.81	28.90	16.23	1.10	0.72	0.75	0.69
G 65.0	473.97	465.70	314.77	239.79	89.73	53.04	39.53	19.85	8.47	0.85	0.80	0.83	0.80
G 70.0	429.41	412.06	224.71	146.59	60.61	46.10	31.12	11.39	1.01	0.91	0.88	0.97	0.89
G 75.0	383.65	301.92	138.03	75.74	52.51	39.51	22.44	3.84	0.94	0.99	1.00	1.10	1.07
G 80.0	272.41	213.29	74.04	62.90	47.15	32.66	14.27	1.00	1.00	1.10	1.13	1.29	1.21
G 85.0	166.75	133.26	62.09	55.42	40.25	24.89	6.81	1.03	1.07	1.21	1.29	1.47	1.44
G 90.0	91.95	68.64	54.90	50.25	31.99	16.75	1.54	1.11	1.18	1.35	1.47	1.66	1.63
G 95.0	54.99	57.50	48.82	42.85	23.02	8.91	1.38	1.19	1.27	1.48	1.66	1.88	1.87
G100.0	46.09	48.36	41.40	33.85	13.46	2.55	1.38	1.25	1.41	1.66	1.80	2.07	2.07
G105.0	37.02	40.98	31.45	22.57	5.98	1.00	1.44	1.35	1.50	1.82	1.99	2.26	2.31
G110.0	28.55	30.74	19.78	13.77	0.91	1.03	1.47	1.44	1.65	1.95	2.18	2.45	2.45
G115.0	17.81	20.65	10.86	4.77	0.91	1.07	1.57	1.57	1.77	2.11	2.32	2.57	2.63
G120.0	4.72	10.15	2.53	0.78	0.97	1.17	1.63	1.69	1.88	2.25	2.45	2.69	2.72
G125.0	0.63	2.09	0.69	0.85	1.05	1.19	1.72	1.77	2.02	2.32	2.57	2.79	2.82
G130.0	0.63	0.66	0.78	0.91	1.13	1.31	1.87	1.88	2.10	2.39	2.63	2.88	2.88
G135.0	0.75	0.72	0.88	1.03	1.22	1.41	1.98	1.99	2.19	2.48	2.70	2.95	2.95
G140.0	0.82	0.82	1.00	1.11	1.36	1.51	2.11	2.10	2.26	2.54	2.76	2.94	3.01
G145.0	0.94	0.97	1.13	1.21	1.47	1.66	2.23	2.18	2.32	2.60	2.77	2.92	3.01
G150.0	1.10	1.08	1.25	1.37	1.60	1.76	2.33	2.27	2.38	2.63	2.76	2.91	2.95
G155.0	1.26	1.26	1.41	1.51	1.72	1.88	2.41	2.35	2.45	2.60	2.73	2.82	2.90
G160.0	1.48	1.43	1.62	1.69	1.89	2.01	2.51	2.40	2.46	2.57	2.66	2.73	2.81
G165.0	1.69	1.64	1.79	1.82	1.99	2.12	2.57	2.41	2.45	2.52	2.59	2.60	2.70
G170.0	1.88	1.84	1.93	1.98	2.13	2.20	2.63	2.45	2.45	2.41	2.48	2.51	2.57
G175.0	2.07	2.02	2.10	2.09	2.23	2.29	2.63	2.45	2.40	2.36	2.32	2.38	2.40
G180.0	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31

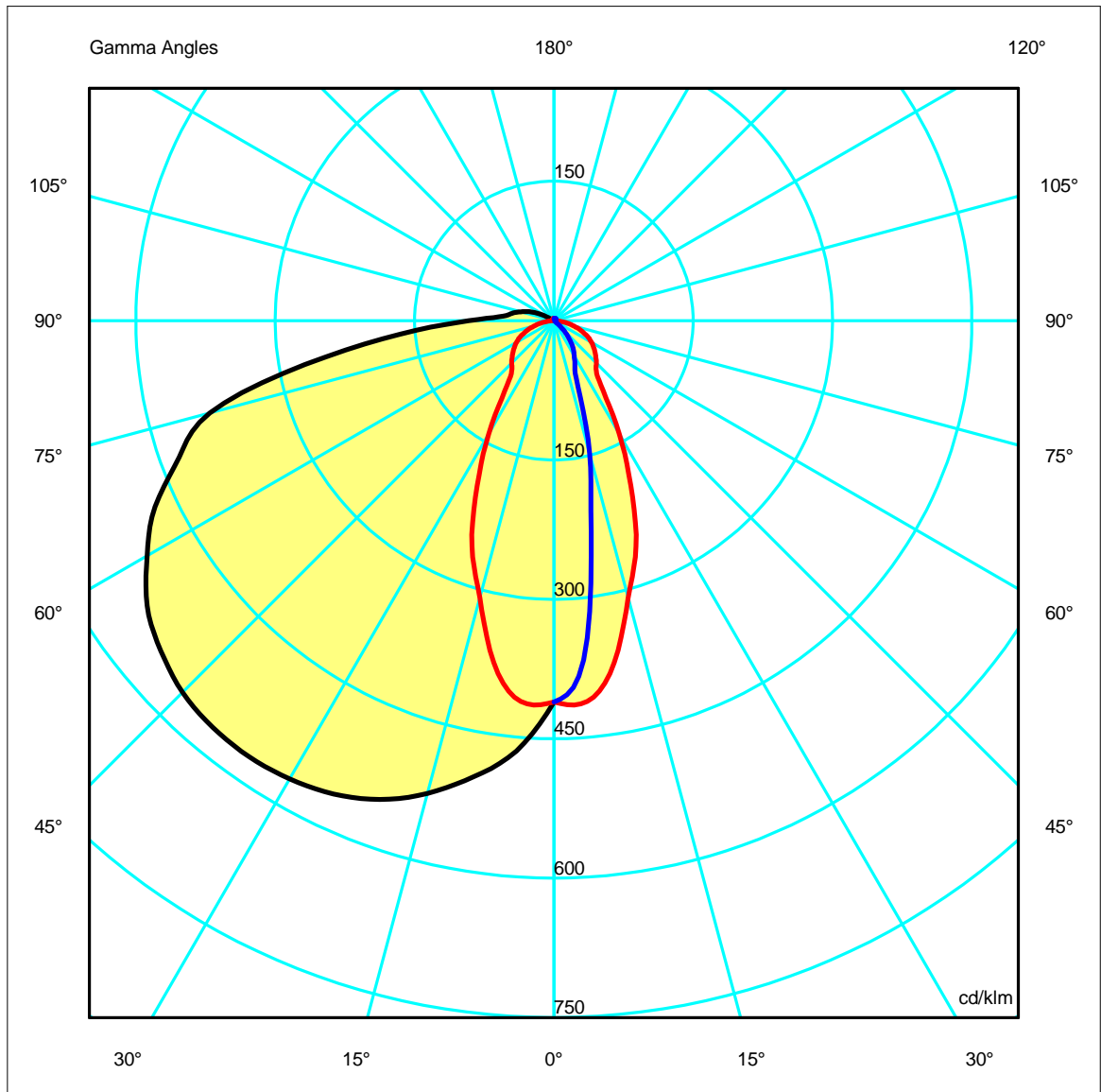
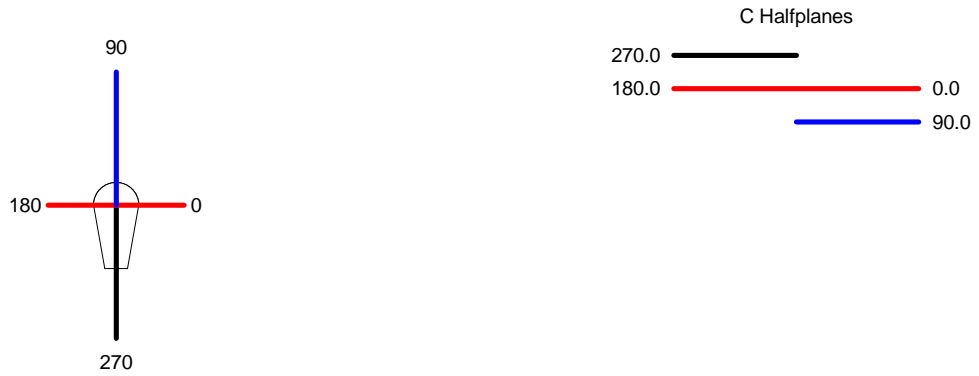
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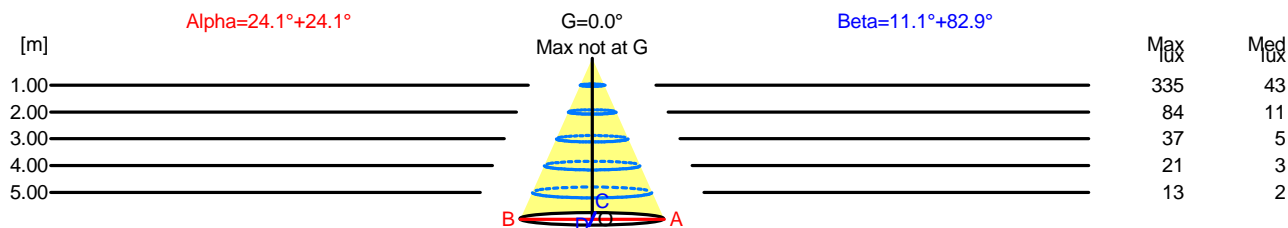
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Width at 50.00 % of Max Intensity

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	0.45	0.89	1.34	1.79	2.24	OC	0.20	0.39	0.59	0.78	0.98
OB	0.45	0.89	1.34	1.79	2.24	OD	8.06	16.13	24.19	32.25	40.32

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	287.78	288.34	216.51	137.18	64.72	45.26	36.99	27.72	15.73	4.78
OB	287.78	288.34	216.51	137.18	64.72	45.26	36.99	27.72	15.73	4.78
OC	287.78	257.00	104.19	37.39	24.98	11.27	0.44	0.56	0.75	1.01
OD	287.78	325.90	369.18	393.99	401.50	396.55	375.02	332.33	268.99	116.92



H[m]	D[m]	Max lux	Med lux	Alpha=24.1°+24.1°	G=0.0 Max not at G	
1.00	0.89	335	43			
2.00	1.79	84	11			
3.00	2.68	37	5			
4.00	3.58	21	3			
5.00	4.47	13	2			

H[m]	D[m]	Max lux	Med lux	Beta=82.9°+11.1°	G=0.0 Max not at G	
1.00	8.26	335	43			
2.00	16.52	84	11			
3.00	24.78	37	5			
4.00	33.04	21	3			
5.00	41.30	13	2			

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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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	22.7	24.1	23.1	24.4	34.8	32.9	34.2	33.2	34.5	34.8
x=2H y=3H	23.1	24.3	23.5	24.7	37.6	35.7	36.9	36.1	37.2	37.6
x=2H y=4H	23.4	24.5	23.8	24.9	38.9	37.1	38.2	37.5	38.6	38.9
x=2H y=6H	23.6	24.6	24.0	25.0	40.1	38.3	39.3	38.7	39.7	40.1
x=2H y=8H	23.7	24.7	24.1	25.1	40.6	38.8	39.8	39.2	40.2	40.6
x=2H y=12H	23.8	24.7	24.2	25.1	41.1	39.3	40.2	39.7	40.6	41.1
x=4H y=2H	25.6	26.7	26.0	27.1	35.0	33.1	34.2	33.5	34.6	35.0
x=4H y=3H	25.9	26.9	26.4	27.3	37.8	36.0	37.0	36.5	37.4	37.8
x=4H y=4H	26.1	27.0	26.6	27.4	39.2	37.5	38.4	38.0	38.8	39.2
x=4H y=6H	26.4	27.2	26.9	27.6	40.6	38.9	39.7	39.4	40.1	40.6
x=4H y=8H	26.5	27.2	27.0	27.7	41.3	39.6	40.3	40.1	40.8	41.3
x=4H y=12H	26.6	27.3	27.1	27.7	41.9	40.2	40.9	40.7	41.3	41.9
x=8H y=4H	27.2	27.9	27.7	28.4	39.1	37.4	38.1	37.9	38.6	39.1
x=8H y=6H	27.6	28.2	28.2	28.7	40.6	38.9	39.5	39.5	40.0	40.6
x=8H y=8H	27.9	28.4	28.4	28.9	41.3	39.7	40.2	40.3	40.7	41.3
x=8H y=12H	28.1	28.6	28.7	29.1	42.1	40.6	41.0	41.1	41.5	42.1
x=12H y=4H	27.4	28.1	27.9	28.6	39.1	37.4	38.0	37.9	38.5	39.1
x=12H y=6H	28.0	28.5	28.6	29.1	40.5	38.9	39.4	39.5	39.9	40.5
x=12H y=8H	28.4	28.9	29.0	29.4	41.3	39.7	40.2	40.3	40.7	41.3

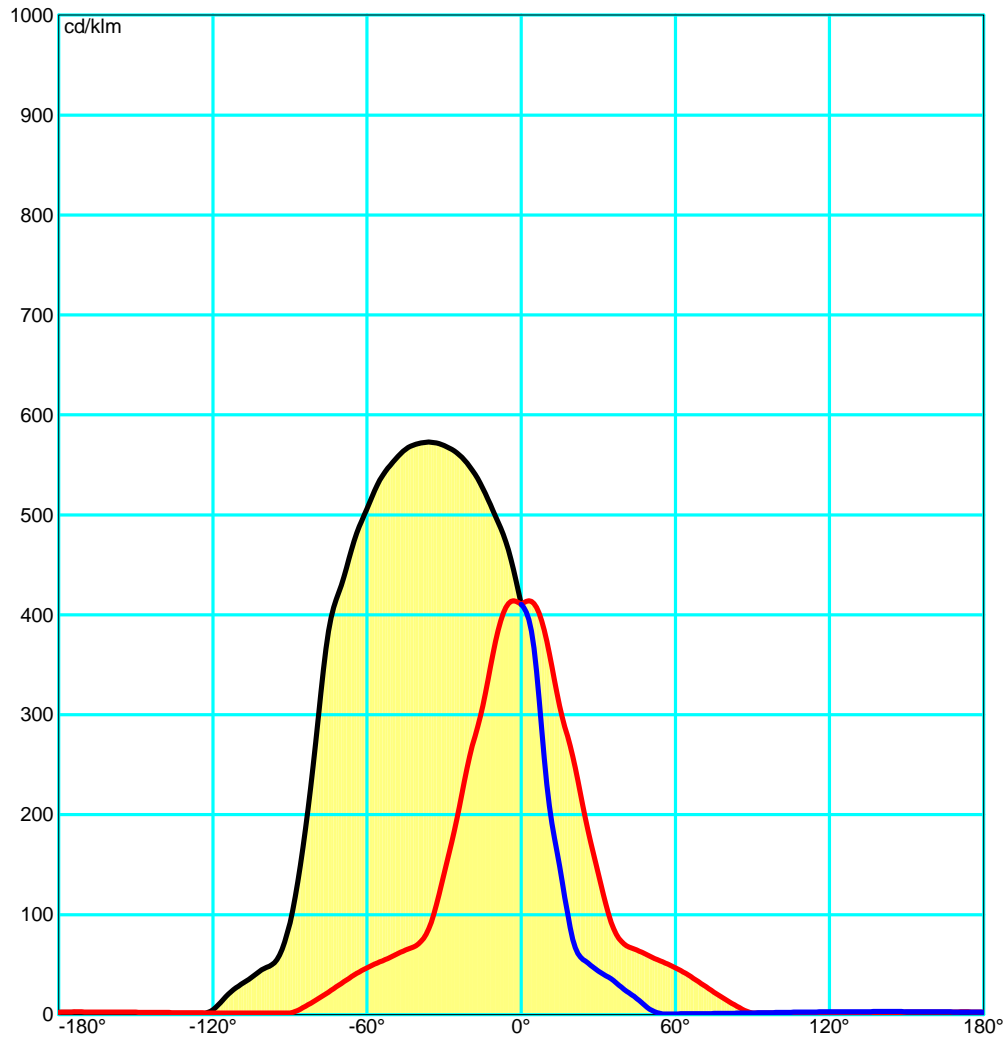
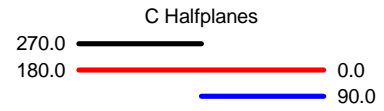
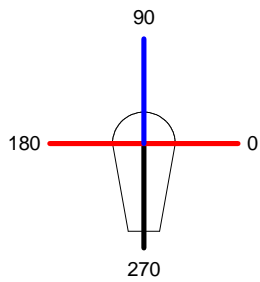
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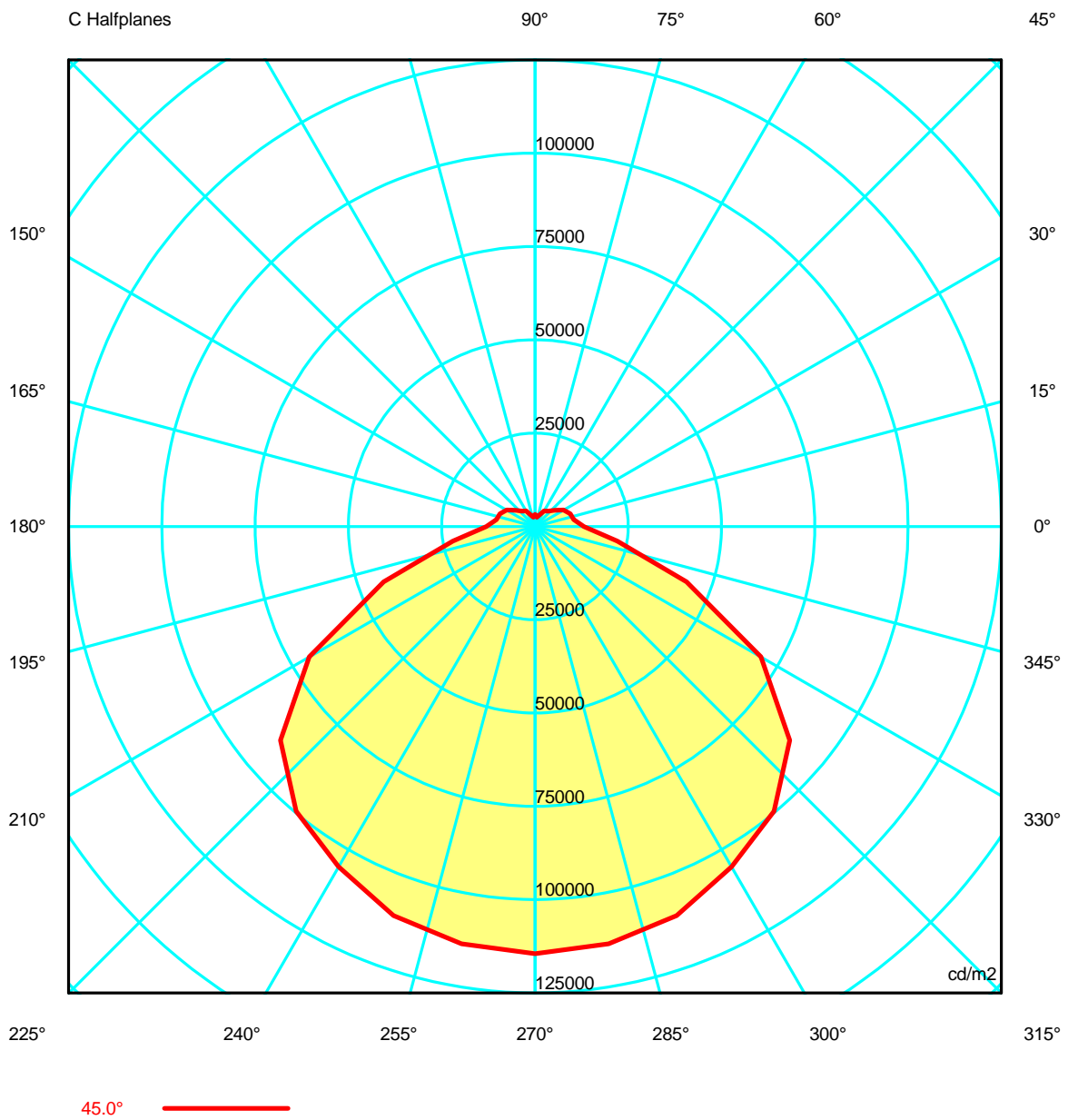
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Luminance



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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	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05
G 5.0	59068.95	55507.63	54639.67	54820.78	49563.88	49241.53	52695.40	48493.06	46988.64	52649.97	46988.64	48493.06	52695.40
G 10.0	54287.19	45573.57	42354.26	42836.19	36670.86	34956.25	37203.86	31583.59	28787.94	33422.68	28787.94	31583.59	37203.86
G 15.0	45744.79	36593.82	32452.50	30416.10	23540.23	21205.63	22704.29	18027.65	16542.77	22013.80	16542.77	18027.65	22704.29
G 20.0	39344.52	27320.79	21486.60	20229.35	13533.96	11071.74	11694.59	10085.07	9319.52	11471.36	9319.52	10085.07	11694.59
G 25.0	30890.69	18235.96	12866.58	11186.76	10095.88	9220.48	9056.18	8269.93	7917.74	8419.55	7917.74	8269.93	9056.18
G 30.0	23288.17	13646.59	10786.86	10216.19	9229.84	8366.11	8147.63	7380.62	6935.08	7177.89	6935.08	7380.62	8147.63
G 35.0	16123.92	10910.78	10266.12	9544.17	8567.47	7936.92	7410.28	6262.47	5740.40	6224.14	5740.40	6262.47	7410.28
G 40.0	13207.45	11192.44	9896.97	9321.03	7762.14	6852.37	6390.79	5062.38	4331.85	4732.53	4331.85	5062.38	6390.79
G 45.0	13062.33	10540.01	10041.51	8851.72	6712.87	5410.93	4810.27	3249.88	2522.36	3251.81	2522.36	3249.88	4810.27
G 50.0	13022.11	10855.41	9568.06	7789.59	5013.94	3444.31	3020.92	1659.02	849.83	1221.51	849.83	1659.02	3020.92
G 55.0	13162.31	10826.35	8514.34	6568.55	3625.91	1688.52	1153.77	456.56	161.47	156.42	161.47	456.56	1153.77
G 60.0	13396.38	10121.32	6917.68	4644.73	1491.08	278.29	206.35	211.90	208.91	197.38	208.91	211.90	206.35
G 65.0	13385.76	8763.06	5150.14	2867.15	905.72	281.06	270.01	278.36	279.01	271.95	279.01	278.36	270.01
G 70.0	13020.32	7249.23	2757.16	423.79	394.83	375.99	367.24	393.48	410.23	373.59	410.23	393.48	367.24
G 75.0	12406.30	4854.75	1589.84	519.96	539.44	550.03	551.74	593.35	608.29	589.29	608.29	593.35	551.74
G 80.0	11762.40	3223.07	826.66	826.66	878.53	912.97	930.00	1034.39	1055.82	996.62	1055.82	1034.39	930.00
G 85.0	11185.22	2799.23	1717.13	1754.39	1974.44	2008.91	2110.26	2335.12	2439.92	2357.99	2439.92	2335.12	2110.26
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

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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	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05
G 5.0	49241.53	49563.88	54820.78	54639.67	55507.63	59068.95	59863.04	60741.06	62274.51	62038.50	63228.59	65264.81	64312.78
G 10.0	34956.25	36670.86	42836.19	42354.26	45573.57	54287.19	59086.46	62021.75	64659.31	65921.87	68011.93	70320.91	70066.31
G 15.0	21205.63	23540.23	30416.10	32452.50	36593.82	45744.79	55096.47	62155.89	66465.31	69165.67	72215.01	75103.96	75754.70
G 20.0	11071.74	13533.96	20229.35	21486.60	27320.79	39344.52	48831.60	58424.36	67795.82	72616.12	76188.85	79624.98	80870.62
G 25.0	9220.48	10095.88	11186.76	12866.58	18235.96	30890.69	42703.26	56079.83	69138.37	75837.10	80124.17	84146.91	86317.03
G 30.0	8366.11	9229.84	10216.19	10786.86	13646.59	23288.17	37586.64	54936.99	70632.07	79228.42	84580.49	89085.92	91734.97
G 35.0	7936.92	8567.47	9544.17	10266.12	10910.78	16123.92	31924.66	52814.60	71282.73	82602.67	89444.95	94332.68	97677.06
G 40.0	6852.37	7762.14	9321.03	9896.97	11192.44	13207.45	25836.99	47882.36	71507.11	86125.92	94294.15	99878.40	104166.19
G 45.0	5410.93	6712.87	8851.72	10041.51	10540.01	13062.33	22362.76	43212.18	69889.01	89138.06	99575.65	105276.92	110909.35
G 50.0	3444.31	5013.94	7789.59	9568.06	10855.41	13022.11	19302.72	39113.81	68510.46	91593.49	104481.50	111318.26	118572.16
G 55.0	1688.52	3625.91	6568.55	8514.34	10826.35	13162.31	15420.05	28346.68	56186.37	90654.18	111329.93	117772.47	126795.82
G 60.0	278.29	1491.08	4644.73	6917.68	10121.32	13396.38	14866.39	23412.91	45387.92	78165.46	104966.29	121834.48	137329.13
G 65.0	281.06	905.72	2867.15	5150.14	8763.06	13385.76	17013.17	18654.11	30382.46	65181.95	90462.96	106575.39	142355.63
G 70.0	375.99	394.83	423.79	2757.16	7249.23	13020.32	18165.79	21311.97	25359.11	49344.96	69578.59	94010.92	148960.87
G 75.0	550.03	539.44	519.96	1589.84	4854.75	12406.30	19165.96	24092.69	29030.87	36947.11	47851.70	76313.31	137289.01
G 80.0	912.97	878.53	826.66	826.66	3223.07	11762.40	22300.14	30576.41	38851.72	47507.11	54894.41	61013.62	136416.98
G 85.0	2008.91	1974.44	1754.39	1717.13	2799.23	11185.22	30607.42	49348.78	66083.75	86452.87	94639.54	101943.83	178234.87
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 05-9685-Z5-CLV1
Name Aplique led CUBUS 11W

Measur.

Code 05-9685-Z5-CLV1
Name Aplique led CUBUS 11W

Luminaire Flux	701.15 lm	Luminaire Power	13.78 W	Efficacy	50.88 lm/W	Efficiency	100.00%
Lamps Flux	701.15 lm	Maximum value	572.64 cd/klm	Position	C=270.00 G=35.00	CG	Sym. on planes 270-90

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	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05	58730.05
G 5.0	64254.61	66763.93	64254.61	64312.78	65264.81	63228.59	62038.50	62274.51	60741.06	59863.04
G 10.0	70307.42	72410.75	70307.42	70066.31	70320.91	68011.93	65921.87	64659.31	62021.75	59086.46
G 15.0	76347.43	78000.68	76347.43	75754.70	75103.96	72215.01	69165.67	66465.31	62155.89	55096.47
G 20.0	81798.46	83487.79	81798.46	80870.62	79624.98	76188.85	72616.12	67795.82	58424.36	48831.60
G 25.0	87558.66	88717.49	87558.66	86317.03	84146.91	80124.17	75837.10	69138.37	56079.83	42703.26
G 30.0	93137.13	94061.17	93137.13	91734.97	89085.92	84580.49	79228.42	70632.07	54936.99	37586.64
G 35.0	99416.15	100029.91	99416.15	97677.06	94332.68	89444.95	82602.67	71282.73	52814.60	31924.66
G 40.0	106358.94	106716.72	106358.94	104166.19	99878.40	94294.15	86125.92	71507.11	47882.36	25836.99
G 45.0	113511.93	114451.36	113511.93	110909.35	105276.92	99575.65	89138.06	69889.01	43212.18	22362.76
G 50.0	121916.35	123002.94	121916.35	118572.16	111318.26	104481.50	91593.49	68510.46	39113.81	19302.72
G 55.0	131697.67	133435.40	131697.67	126795.82	117772.47	111329.93	90654.18	56186.37	28346.68	15420.05
G 60.0	143417.84	144757.29	143417.84	137329.13	121834.48	104966.29	78165.46	45387.92	23412.91	14866.39
G 65.0	158612.49	160480.20	158612.49	142355.63	106575.39	90462.96	65181.95	30382.46	18654.11	17013.17
G 70.0	174812.59	179651.52	174812.59	148960.87	94010.92	69578.59	49344.96	25359.11	21311.97	18165.79
G 75.0	187843.46	212105.38	187843.46	137289.01	76313.31	47851.70	36947.11	29030.87	24092.69	19165.96
G 80.0	201390.03	224472.16	201390.03	136416.98	61013.62	54894.41	47507.11	38851.72	30576.41	22300.14
G 85.0	246164.96	273765.21	246164.96	178234.87	101943.83	94639.54	86452.87	66083.75	49348.78	30607.42
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 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

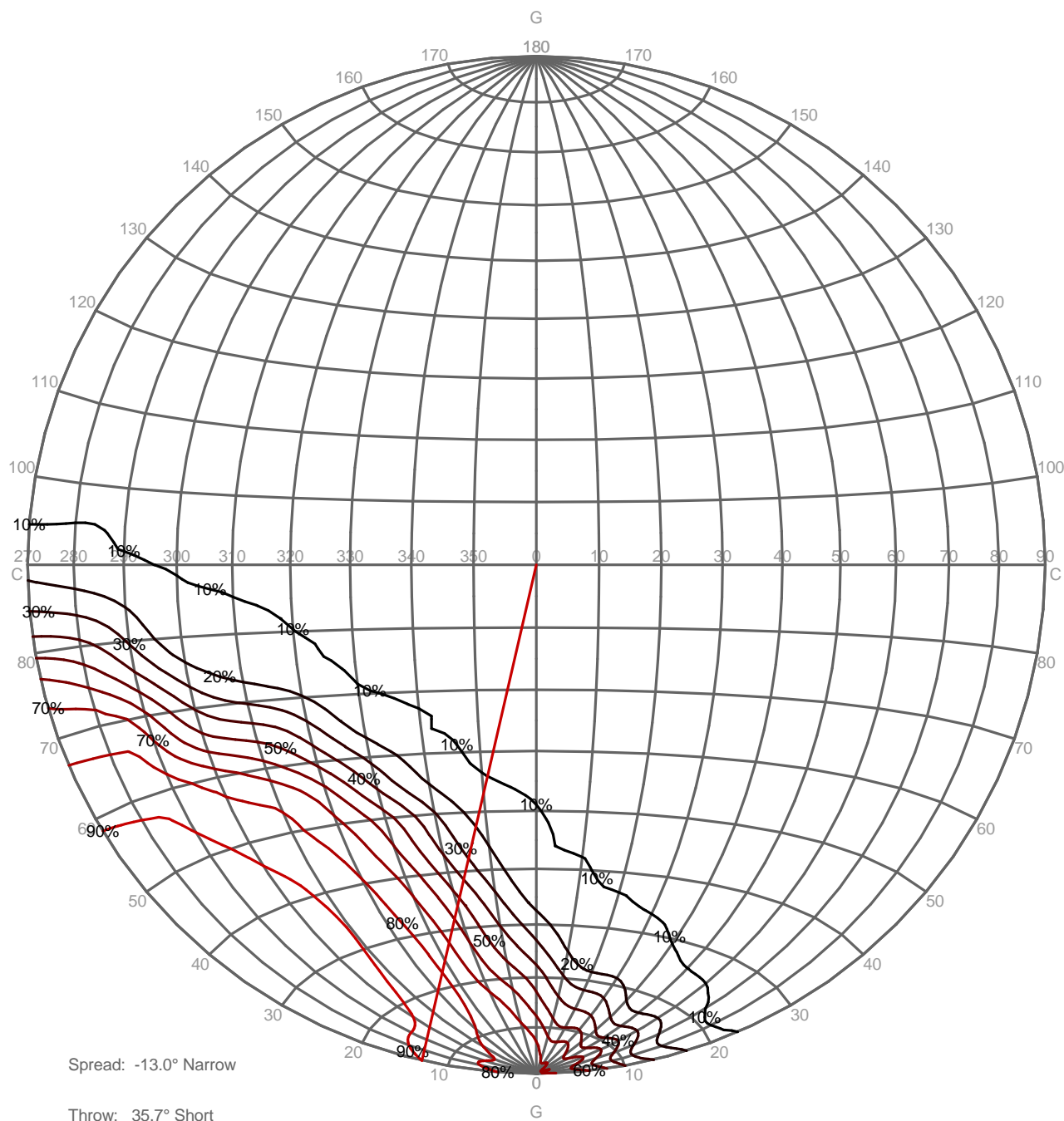
Measurment.

Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

Luminaire Flux	701.15 lm	Luminaire Power	13.78 W	Efficacy	50.88 lm/W	Efficiency	100.00%
Lamps Flux	701.15 lm	Maximum value	572.64 cd/klm	Position	C=270.00 G=35.00	CG	Sym. on planes 270-90

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 7.8 Tight Tilting Angle:0°



Luminaire

Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

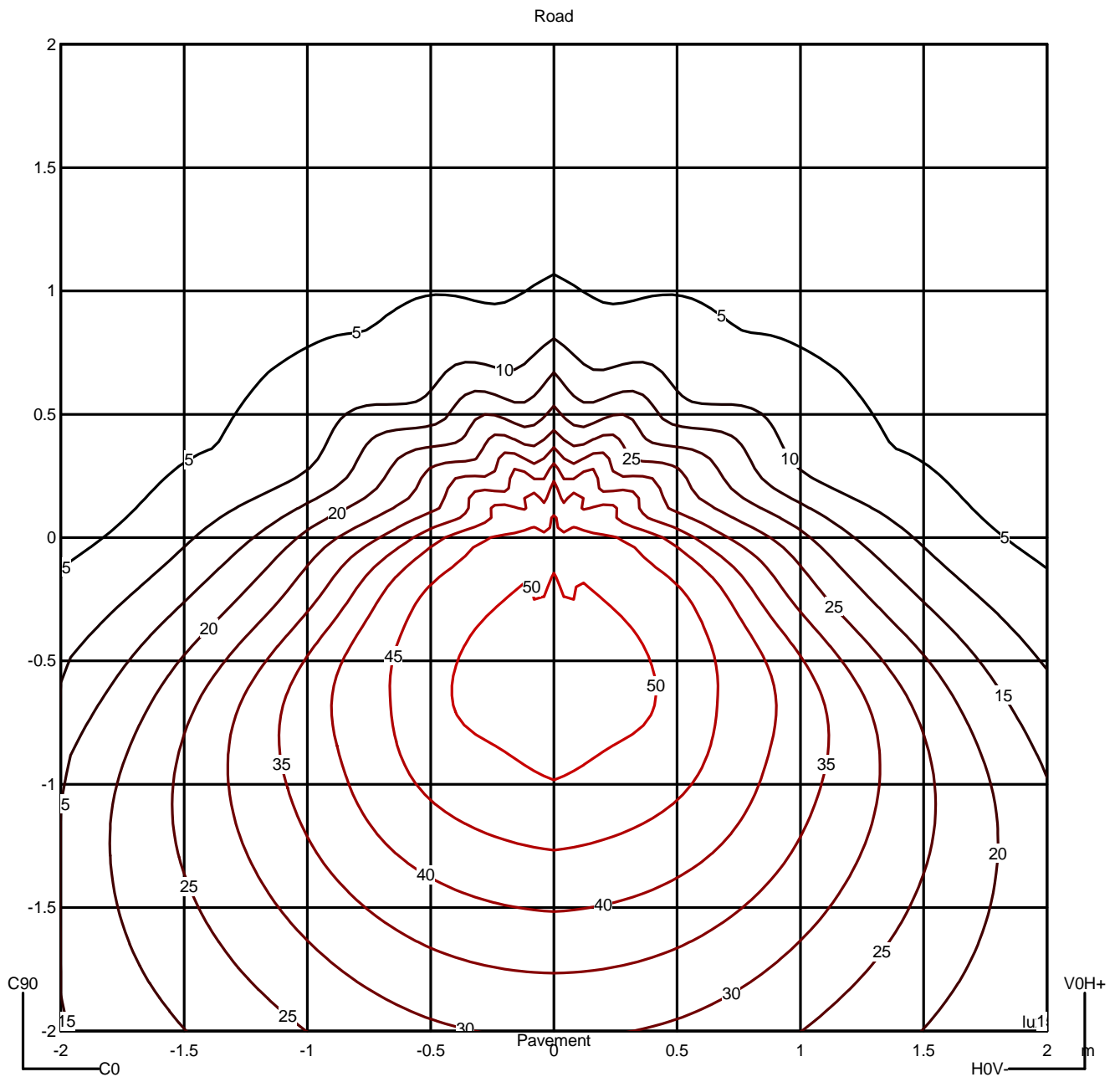
Measur.

Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

Luminaire Flux	701.15 lm	Luminaire Power	13.78 W	Efficacy	50.88 lm/W	Efficiency	100.00%
Lamps Flux	701.15 lm	Maximum value	572.64 cd/klm	Position	C=270.00 G=35.00	CG	Sym. on planes 270-90

Isolux (Floor)

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



Luminaire

Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

Measur.

Code 05-9685-Z5-CLV1
 Name Aplique led CUBUS 11W

Luminaire Flux	701.15 lm	Luminaire Power	13.78 W	Efficacy	50.88 lm/W	Efficiency	100.00%
Lamps Flux	701.15 lm	Maximum value	572.64 cd/klm	Position	C=270.00 G=35.00	CG	Sym. on planes 270-90

Average Luminance [cd/m ²]										
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	13062	13022	13162	13396	13386	13020	12406	11762	11185	---
90.0°	3252	1222	156	197	272	374	589	997	2358	---

Flush mounted or longitudinal view												
		Illumination(Ix)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55

