

Luminaire

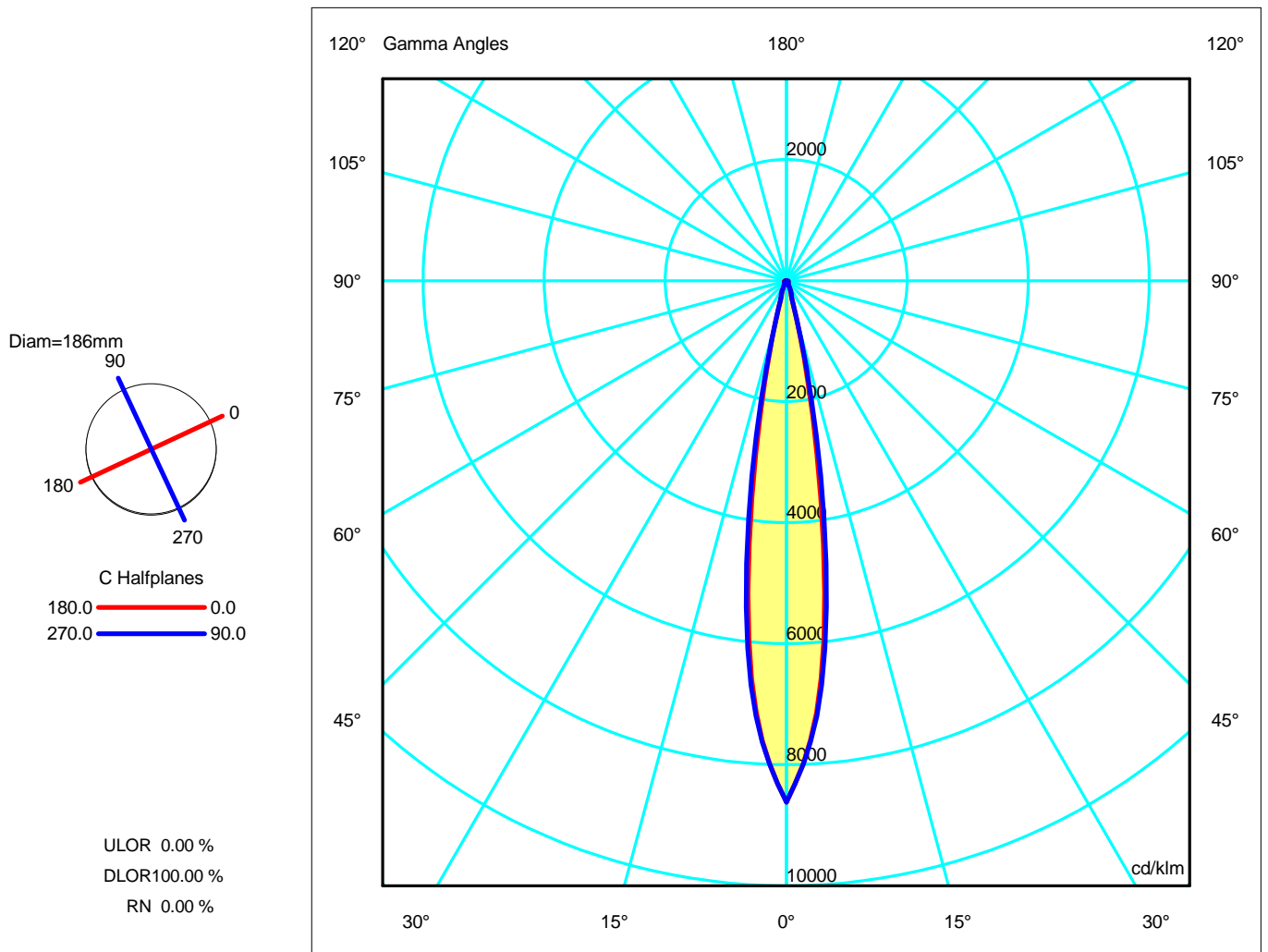
Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

Measur.

Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	
Round Luminaire Round Luminous Area		Diam.	186 mm	Height	3 mm		
		Diam.	120 mm	Height	0 mm		
Horizontal Luminous Area	0.011310 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°	0.002736 m2		
Coordinate system	CG			Symmetry Type	Double Symmetrical		
Date	01-12-2017			Maximum Gamma Angle	90		
Measurement Distance	0.00			Measurement Flux	795.63 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
		55-9665-CA-CL	Name	55-9665-CA-CL	795.63	9.00	1
C.I.E.	91 95 99 100 100			D DIN 5040	A60		
F UTE	1.00 A			B NBN	BZ 1		



Luminaire

Code 55-9665-CA-CL
Name Uplight GEA led 9x1W

Measur.

Code 55-9665-CA-37
Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	8616.65	8616.65	8616.65	8616.65	8616.65	8616.65	8616.65
G 5.0	6602.26	6589.12	6647.84	6597.40	6678.89	6562.66	6705.65
G 10.0	2915.04	2989.11	3056.99	3060.37	3214.94	3125.09	3279.65
G 15.0	642.09	602.74	582.65	643.40	653.62	613.33	676.06
G 20.0	211.13	222.16	230.73	218.55	236.19	229.97	255.01
G 25.0	113.82	110.49	111.91	109.10	115.57	110.59	115.46
G 30.0	62.08	62.45	64.13	63.57	65.72	64.45	66.69
G 35.0	44.74	44.60	45.76	45.64	46.76	44.41	47.05
G 40.0	35.06	35.89	36.58	35.69	37.42	35.20	37.43
G 45.0	29.23	28.76	29.67	29.15	30.24	28.69	29.73
G 50.0	25.40	25.21	25.43	24.22	26.27	24.60	25.74
G 55.0	23.68	23.87	24.29	22.95	24.37	23.60	25.94
G 60.0	26.88	28.65	28.63	28.08	28.82	29.78	30.19
G 65.0	33.36	31.80	29.62	32.35	35.00	33.35	31.47
G 70.0	29.33	28.11	27.54	28.65	28.26	29.58	28.71
G 75.0	13.46	13.18	12.75	11.93	12.48	13.29	10.50
G 80.0	1.60	1.88	1.97	1.53	1.86	1.41	2.61
G 85.0	0.41	0.41	0.42	0.44	0.46	0.42	0.47
G 90.0	0.28	0.27	0.26	0.27	0.29	0.28	0.30

Luminaire

Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

Measur.

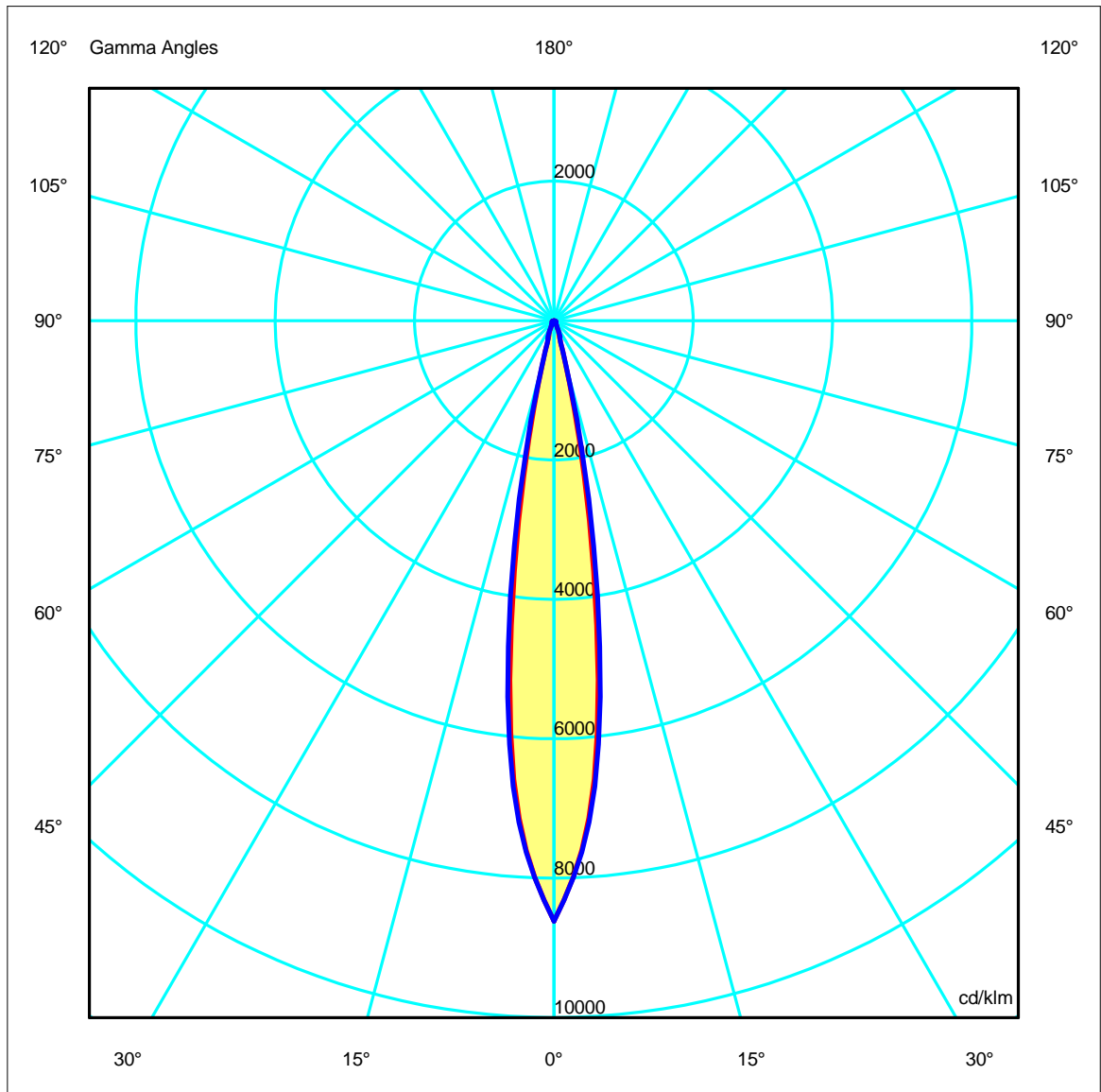
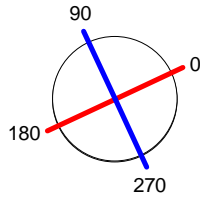
Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=186mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



Luminaire

Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

Measur.

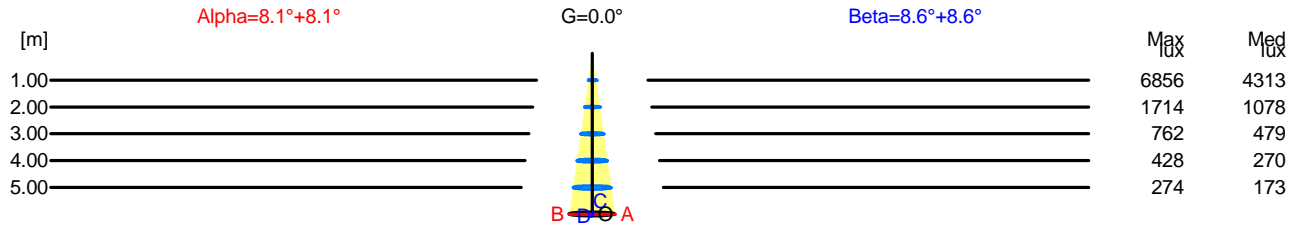
Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.14	0.29	0.43	0.57	0.71	OC	0.15	0.30	0.45	0.60	0.75
OB	0.14	0.29	0.43	0.57	0.71	OD	0.15	0.30	0.45	0.60	0.75

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	6855.67	5252.96	510.87	90.56	35.60	23.25	18.84	26.54	10.71	0.32
OB	6855.67	5252.96	510.87	90.56	35.60	23.25	18.84	26.54	10.71	0.32
OC	6855.67	5335.21	537.89	91.86	37.44	23.65	20.64	25.04	8.35	0.37
OD	6855.67	5335.21	537.89	91.86	37.44	23.65	20.64	25.04	8.35	0.37



H[m]	D[m]	Max lux	Med lux	Alpha=8.1°+8.1°	G=0.0	
1.00	0.29	6856	4313			
2.00	0.57	1714	1078			
3.00	0.86	762	479			
4.00	1.14	428	270			
5.00	1.43	274	173			

H[m]	D[m]	Max lux	Med lux	Beta=8.6°+8.6°	G=0.0	
1.00	0.30	6856	4313			
2.00	0.60	1714	1078			
3.00	0.90	762	479			
4.00	1.21	428	270			
5.00	1.51	274	173			

Luminaire

Code 55-9665-CA-CL
Name Uplight GEA led 9x1W

Measurement

Code 55-9665-CA-37
Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	11.0	11.7	11.2	11.9	12.1	11.3	12.0	11.5	12.2	12.4
x=2H y=3H	14.6	15.3	14.9	15.5	15.8	14.9	15.5	15.2	15.8	16.0
x=2H y=4H	15.3	16.0	15.7	16.2	16.5	15.5	16.1	15.8	16.4	16.6
x=2H y=6H	15.4	16.0	15.7	16.3	16.6	15.5	16.1	15.8	16.4	16.7
x=2H y=8H	15.4	15.9	15.7	16.2	16.5	15.5	16.0	15.8	16.3	16.6
x=2H y=12H	15.3	15.9	15.7	16.2	16.5	15.4	16.0	15.8	16.3	16.6
x=4H y=2H	12.6	13.2	12.9	13.5	13.7	12.8	13.5	13.2	13.7	14.0
x=4H y=3H	15.9	16.5	16.3	16.8	17.1	16.1	16.7	16.5	17.0	17.3
x=4H y=4H	16.6	17.1	17.0	17.4	17.7	16.7	17.2	17.1	17.5	17.9
x=4H y=6H	16.7	17.0	17.1	17.4	17.8	16.8	17.2	17.2	17.5	17.9
x=4H y=8H	16.6	17.0	17.0	17.3	17.8	16.7	17.1	17.2	17.5	17.9
x=4H y=12H	16.6	16.9	17.0	17.3	17.7	16.7	17.0	17.1	17.4	17.8
x=8H y=4H	16.8	17.2	17.2	17.5	18.0	16.9	17.3	17.3	17.7	18.1
x=8H y=6H	16.9	17.1	17.3	17.6	18.0	17.0	17.2	17.4	17.7	18.1
x=8H y=8H	16.8	17.1	17.3	17.5	18.0	16.9	17.2	17.4	17.6	18.1
x=8H y=12H	16.8	17.0	17.3	17.4	17.9	16.9	17.1	17.4	17.5	18.0
x=12H y=4H	16.8	17.1	17.2	17.5	17.9	16.9	17.2	17.3	17.6	18.0
x=12H y=6H	16.8	17.1	17.3	17.5	18.0	16.9	17.2	17.4	17.6	18.1
x=12H y=8H	16.8	17.0	17.3	17.4	17.9	16.9	17.1	17.4	17.5	18.0

Luminaire

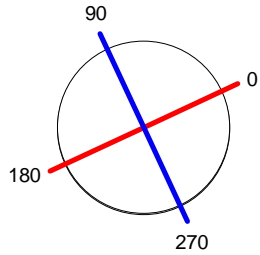
Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

Measur.

Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

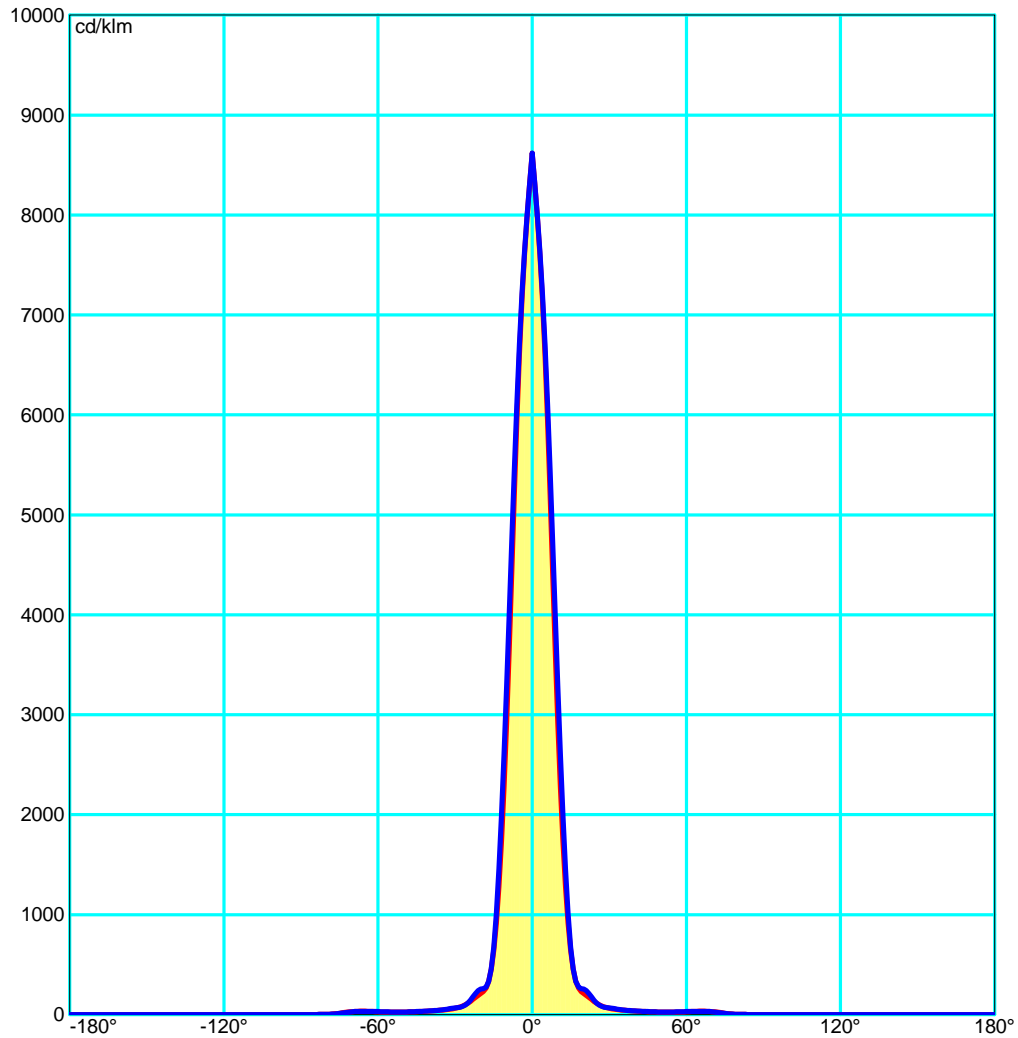
Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=186mm



C Halfplanes

180.0 ———— 0.0
 270.0 ———— 90.0



Luminaire

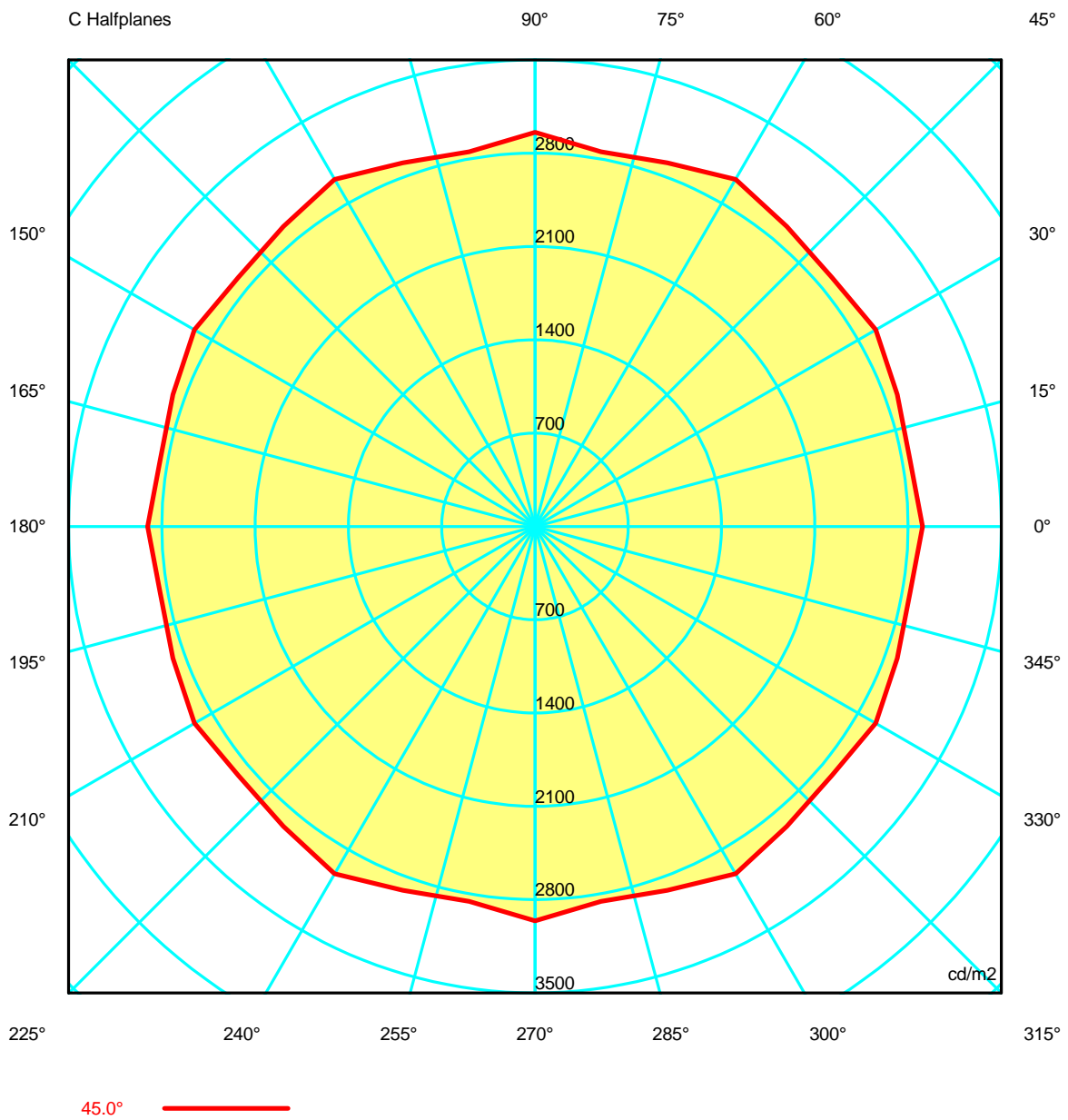
Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

Measur.

Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



Luminaire

Code 55-9665-CA-CL
Name Uplight GEA led 9x1W

Measurment.

Code 55-9665-CA-37
Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85
G 5.0	466226.57	464797.64	466959.26	469444.89	466380.10	467866.70	471638.02	465738.96	464524.28	473527.21	464524.28	465738.96	471638.02
G 10.0	208228.91	211559.48	215700.97	218369.08	218530.03	222517.74	229651.82	225221.13	224631.54	234274.61	224631.54	225221.13	229651.82
G 15.0	46762.86	44885.02	42920.89	42434.00	45254.93	47854.19	47602.74	45195.66	45385.15	49236.72	45385.15	45195.66	47602.74
G 20.0	15805.29	16312.59	16995.19	17272.59	16509.39	16714.18	17681.93	17334.74	17542.51	19090.77	17542.51	17334.74	17681.93
G 25.0	8834.65	8610.05	8619.19	8686.13	8480.14	8627.04	8970.33	8717.94	8604.37	8962.06	8604.37	8717.94	8970.33
G 30.0	5043.00	5062.88	5125.35	5208.90	5164.61	5218.84	5338.20	5267.77	5258.10	5416.85	5258.10	5267.77	5338.20
G 35.0	3842.38	3818.59	3864.31	3929.76	3912.92	3951.70	4015.56	3867.02	3837.67	4040.71	3837.67	3867.02	4015.56
G 40.0	3220.02	3265.03	3331.99	3359.42	3282.11	3333.24	3436.50	3294.49	3248.70	3436.91	3248.70	3294.49	3436.50
G 45.0	2907.81	2857.23	2892.69	2952.00	2906.73	2937.25	3008.22	2903.98	2854.62	2957.66	2854.62	2903.98	3008.22
G 50.0	2779.58	2753.96	2767.37	2783.60	2695.23	2719.47	2875.39	2759.43	2689.50	2816.69	2689.50	2759.43	2875.39
G 55.0	2904.48	2919.95	2962.01	2978.91	2845.33	2859.75	2988.75	2918.25	2942.61	3181.86	2942.61	2918.25	2988.75
G 60.0	3782.56	3970.46	4057.12	4028.05	3962.39	3966.62	4054.98	4151.85	4215.74	4246.92	4215.74	4151.85	4054.98
G 65.0	5553.16	5411.40	5135.69	4929.87	5170.56	5592.03	5826.20	5683.72	5432.88	5237.94	5432.88	5683.72	5826.20
G 70.0	6032.45	5863.98	5705.24	5664.94	5835.23	5872.09	5812.43	6002.81	6081.92	5904.16	6081.92	6002.81	5812.43
G 75.0	3659.09	3606.78	3557.56	3466.44	3298.15	3240.25	3390.94	3615.92	3454.48	2853.40	3454.48	3615.92	3390.94
G 80.0	649.87	721.69	797.13	797.04	654.84	662.27	752.04	603.18	656.49	1058.41	656.49	603.18	752.04
G 85.0	327.48	332.96	335.12	336.39	344.24	362.36	370.23	344.64	341.80	379.79	341.80	344.64	370.23
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 55-9665-CA-CL
Name Uplight GEA led 9x1W

Measurerm.

Code 55-9665-CA-37
Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85
G 5.0	467866.70	466380.10	469444.89	466959.26	464797.64	466226.57	464797.64	466959.26	469444.89	466380.10	467866.70	471638.02	465738.96
G 10.0	222517.74	218530.03	218369.08	215700.97	211559.48	208228.91	211559.48	215700.97	218369.08	218530.03	222517.74	229651.82	225221.13
G 15.0	47854.19	45254.93	42434.00	42920.89	44885.02	46762.86	44885.02	42920.89	42434.00	45254.93	47854.19	47602.74	45195.66
G 20.0	16714.18	16509.39	17272.59	16995.19	16312.59	15805.29	16312.59	16995.19	17272.59	16509.39	16714.18	17681.93	17334.74
G 25.0	8627.04	8480.14	8686.13	8619.19	8610.05	8834.65	8610.05	8619.19	8686.13	8480.14	8627.04	8970.33	8717.94
G 30.0	5218.84	5164.61	5208.90	5125.35	5062.88	5043.00	5062.88	5125.35	5208.90	5164.61	5218.84	5338.20	5267.77
G 35.0	3951.70	3912.92	3929.76	3864.31	3818.59	3842.38	3818.59	3864.31	3929.76	3912.92	3951.70	4015.56	3867.02
G 40.0	3333.24	3282.11	3359.42	3331.99	3265.03	3220.02	3265.03	3331.99	3359.42	3282.11	3333.24	3436.50	3294.49
G 45.0	2937.25	2906.73	2952.00	2892.69	2857.23	2907.81	2857.23	2892.69	2952.00	2906.73	2937.25	3008.22	2903.98
G 50.0	2719.47	2695.23	2783.60	2767.37	2753.96	2779.58	2753.96	2767.37	2783.60	2695.23	2719.47	2875.39	2759.43
G 55.0	2859.75	2845.33	2978.91	2962.01	2919.95	2904.48	2919.95	2962.01	2978.91	2845.33	2859.75	2988.75	2918.25
G 60.0	3966.62	3962.39	4028.05	4057.12	3970.46	3782.56	3970.46	4057.12	4028.05	3962.39	3966.62	4054.98	4151.85
G 65.0	5592.03	5170.56	4929.87	5135.69	5411.40	5553.16	5411.40	5135.69	4929.87	5170.56	5592.03	5826.20	5683.72
G 70.0	5872.09	5835.23	5664.94	5705.24	5863.98	6032.45	5863.98	5705.24	5664.94	5835.23	5872.09	5812.43	6002.81
G 75.0	3240.25	3298.15	3466.44	3557.56	3606.78	3659.09	3606.78	3557.56	3466.44	3298.15	3240.25	3390.94	3615.92
G 80.0	662.27	654.84	797.04	797.13	721.69	649.87	721.69	797.13	797.04	654.84	662.27	752.04	603.18
G 85.0	362.36	344.24	336.39	335.12	332.96	327.48	332.96	335.12	336.39	344.24	362.36	370.23	344.64
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 55-9665-CA-CL
Name Uplight GEA led 9x1W

Measur.

Code 55-9665-CA-37
Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85	606159.85
G 5.0	464524.28	473527.21	464524.28	465738.96	471638.02	467866.70	466380.10	469444.89	466959.26	464797.64
G 10.0	224631.54	234274.61	224631.54	225221.13	229651.82	222517.74	218530.03	218369.08	215700.97	211559.48
G 15.0	45385.15	49236.72	45385.15	45195.66	47602.74	47854.19	45254.93	42434.00	42920.89	44885.02
G 20.0	17542.51	19090.77	17542.51	17334.74	17681.93	16714.18	16509.39	17272.59	16995.19	16312.59
G 25.0	8604.37	8962.06	8604.37	8717.94	8970.33	8627.04	8480.14	8686.13	8619.19	8610.05
G 30.0	5258.10	5416.85	5258.10	5267.77	5338.20	5218.84	5164.61	5208.90	5125.35	5062.88
G 35.0	3837.67	4040.71	3837.67	3867.02	4015.56	3951.70	3912.92	3929.76	3864.31	3818.59
G 40.0	3248.70	3436.91	3248.70	3294.49	3436.50	3333.24	3282.11	3359.42	3331.99	3265.03
G 45.0	2854.62	2957.66	2854.62	2903.98	3008.22	2937.25	2906.73	2952.00	2892.69	2857.23
G 50.0	2689.50	2816.69	2689.50	2759.43	2875.39	2719.47	2695.23	2783.60	2767.37	2753.96
G 55.0	2942.61	3181.86	2942.61	2918.25	2988.75	2859.75	2845.33	2978.91	2962.01	2919.95
G 60.0	4215.74	4246.92	4215.74	4151.85	4054.98	3966.62	3962.39	4028.05	4057.12	3970.46
G 65.0	5432.88	5237.94	5432.88	5683.72	5826.20	5592.03	5170.56	4929.87	5135.69	5411.40
G 70.0	6081.92	5904.16	6081.92	6002.81	5812.43	5872.09	5835.23	5664.94	5705.24	5863.98
G 75.0	3454.48	2853.40	3454.48	3615.92	3390.94	3240.25	3298.15	3466.44	3557.56	3606.78
G 80.0	656.49	1058.41	656.49	603.18	752.04	662.27	654.84	797.04	797.13	721.69
G 85.0	341.80	379.79	341.80	344.64	370.23	362.36	344.24	336.39	335.12	332.96
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 55-9665-CA-CL
 Name Uplight GEA led 9x1W

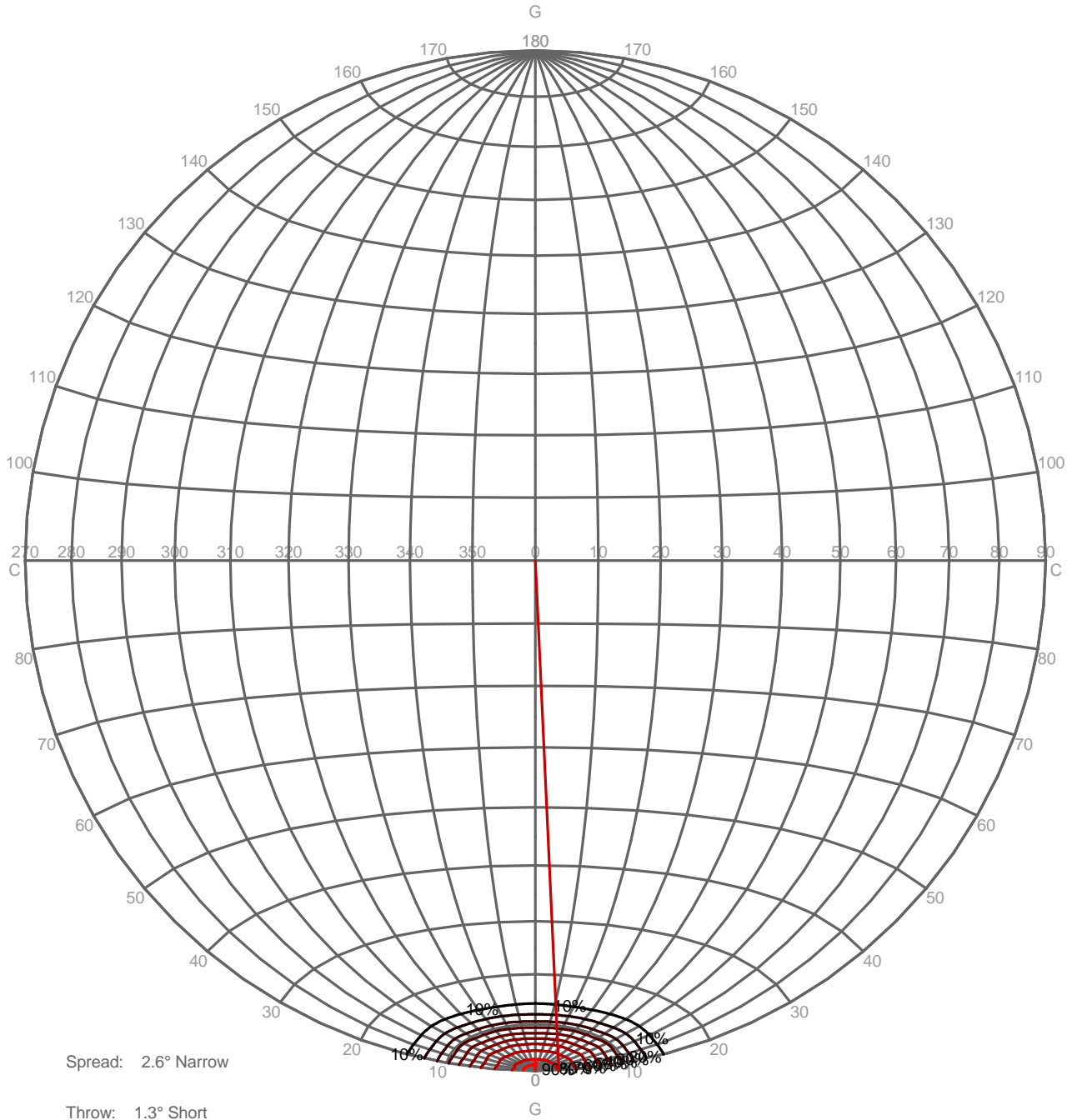
Measur.

Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI 11.2 Tight Tilting Angle:0°



Luminaire

Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

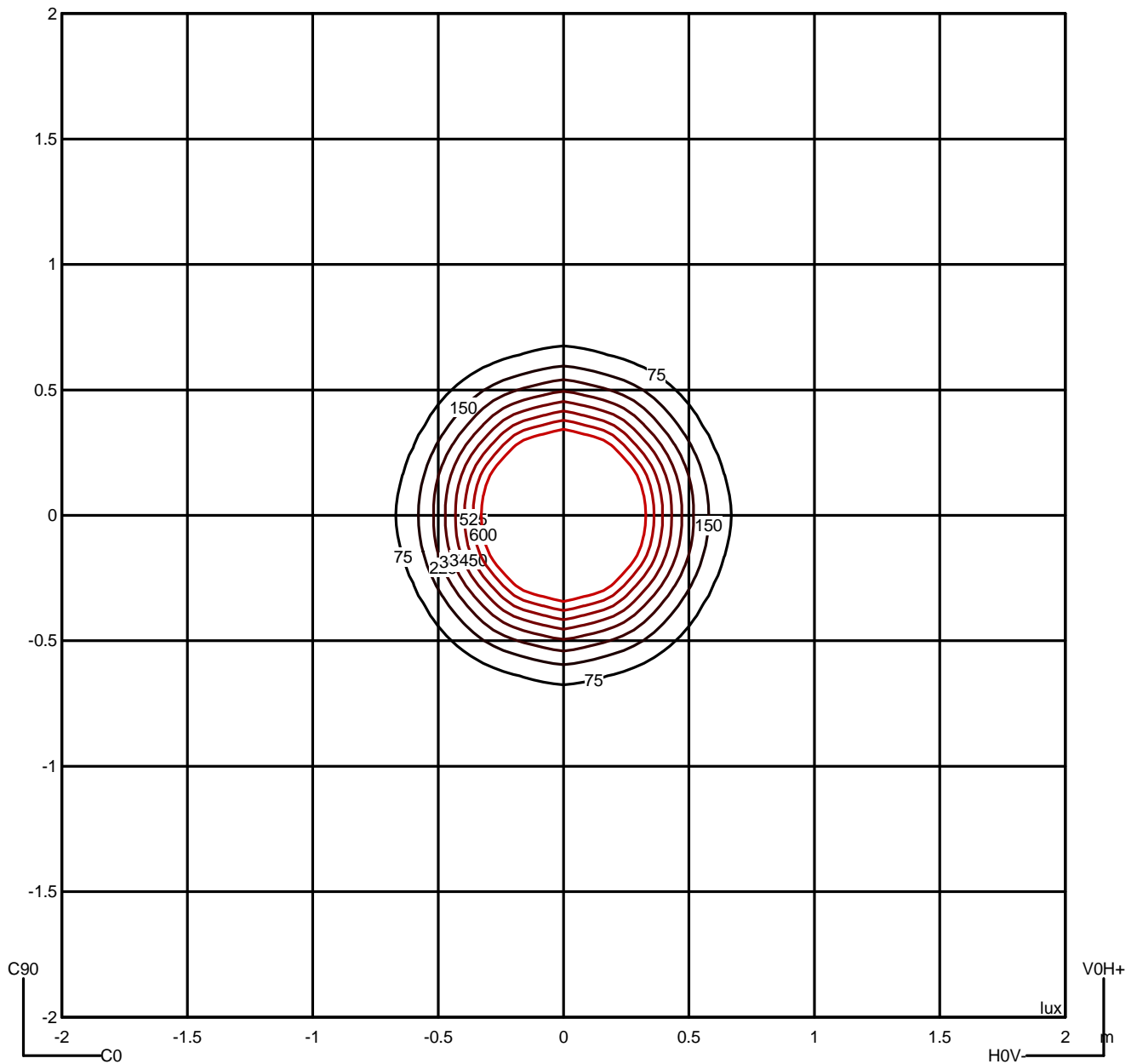
Measur.

Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire

Code 55-9665-CA-CL
 Name Uplight GEA led 9x1W

Measur.

Code 55-9665-CA-37
 Name Uplight GEA led 9x1W

Luminaire Flux	795.62 lm	Luminaire Power	9.00 W	Efficacy	88.40 lm/W	Efficiency	100.00%
Lamps Flux	795.63 lm	Maximum value	8616.65 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Average Luminance [cd/m²]										
	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	2908	2780	2904	3783	5553	6032	3659	650	327	---
90.0°	2958	2817	3182	4247	5238	5904	2853	1058	380	---

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

