

Report No.:

Test Time: 26.05.2020 20:03

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60 2x96LED 0,6A 65W 4000K prozrachnoe

Number of Lamps: 1

Luminous Length (mm): 1500

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 221.8 V

Current: 0.300 A

Power: 64.26 W

Power Factor: 0.964

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 8568.1 lm

Measurement Flux: 8568.1 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.1, 117.7, 133.6, 134.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.8, 109.3, 110.7, 111.4

Luminaire Efficacy Rating (LER): 133.39

Central Intensity: 3331.96 cd

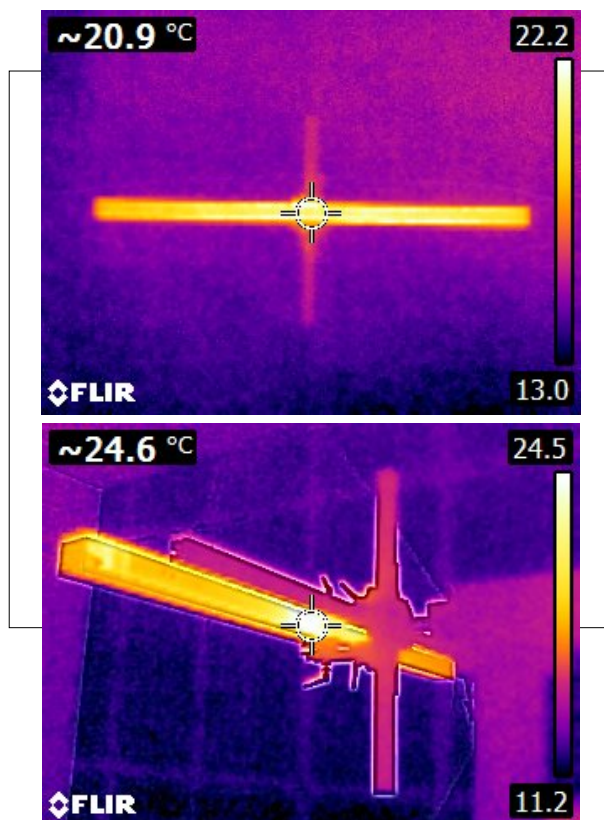
Max. Intensity: 3340.82 cd

Pos of Max. Intensity: H67.5 V2

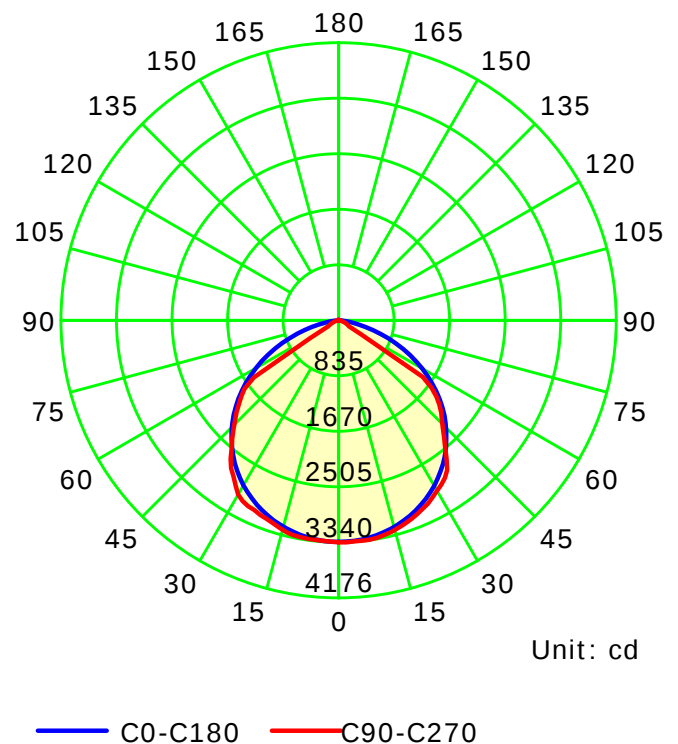
S/MH(C0/C180): 1.28

S/MH(C90/C270): 1.32

Termogramma



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.677 m

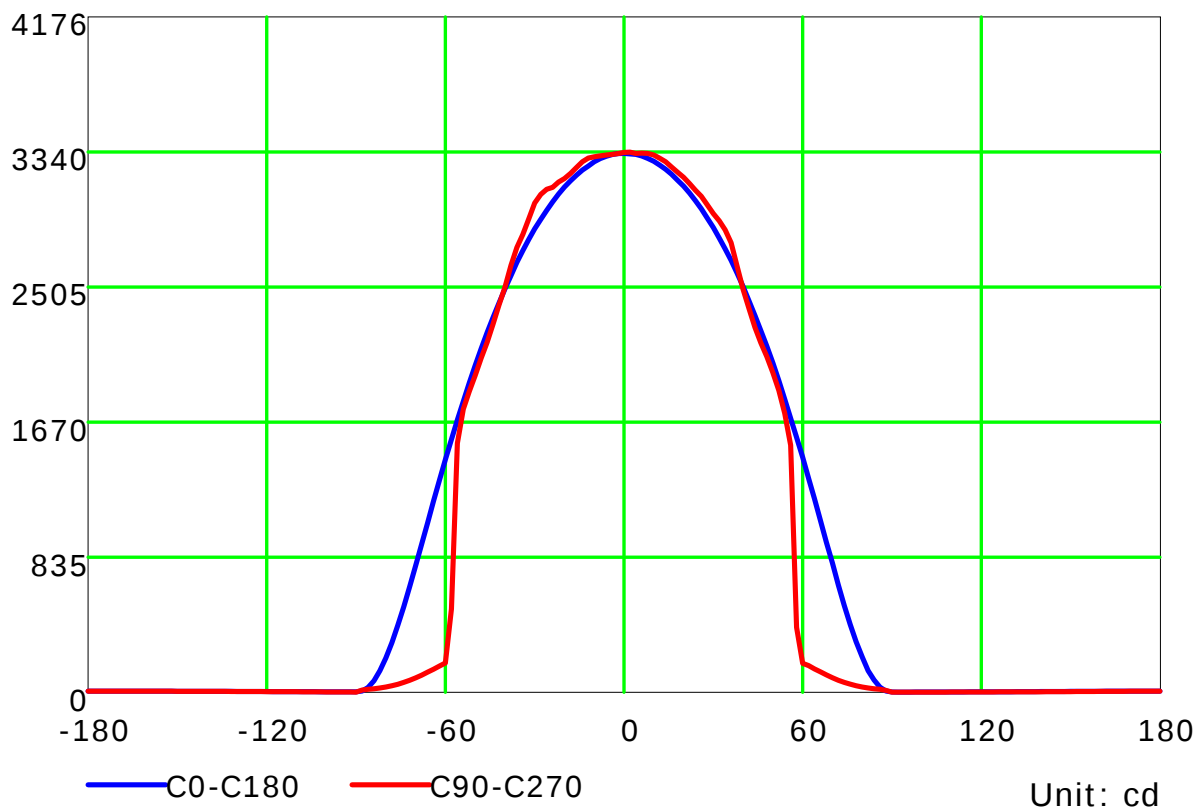
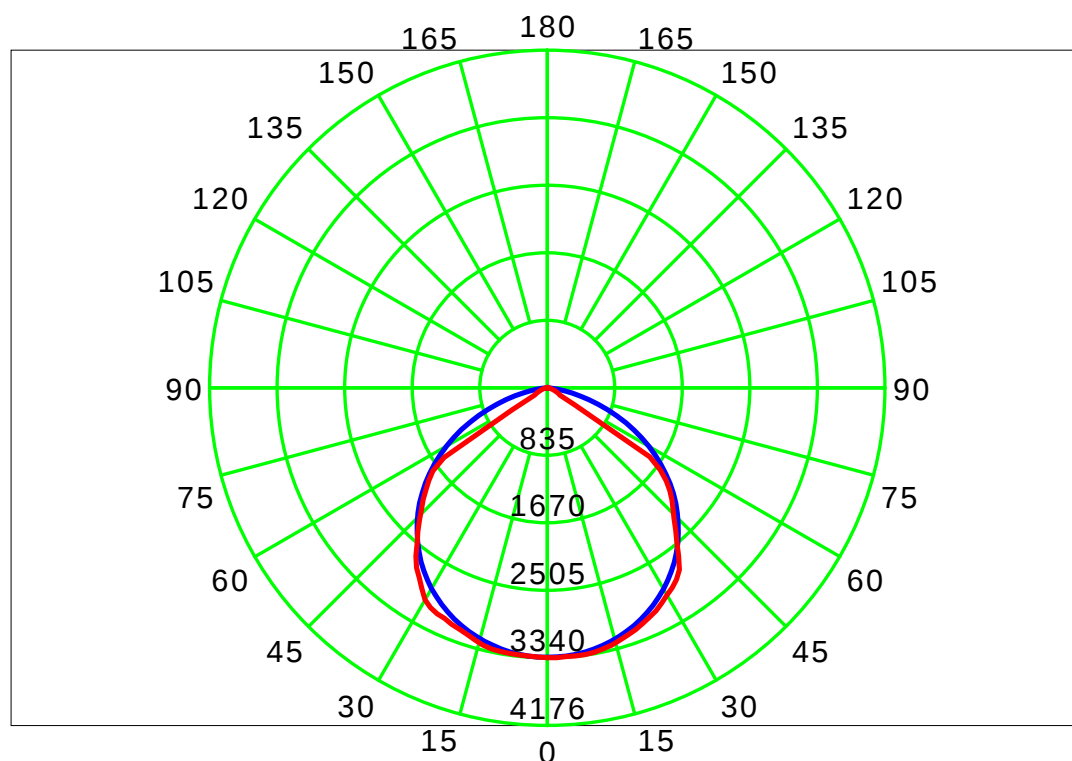
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



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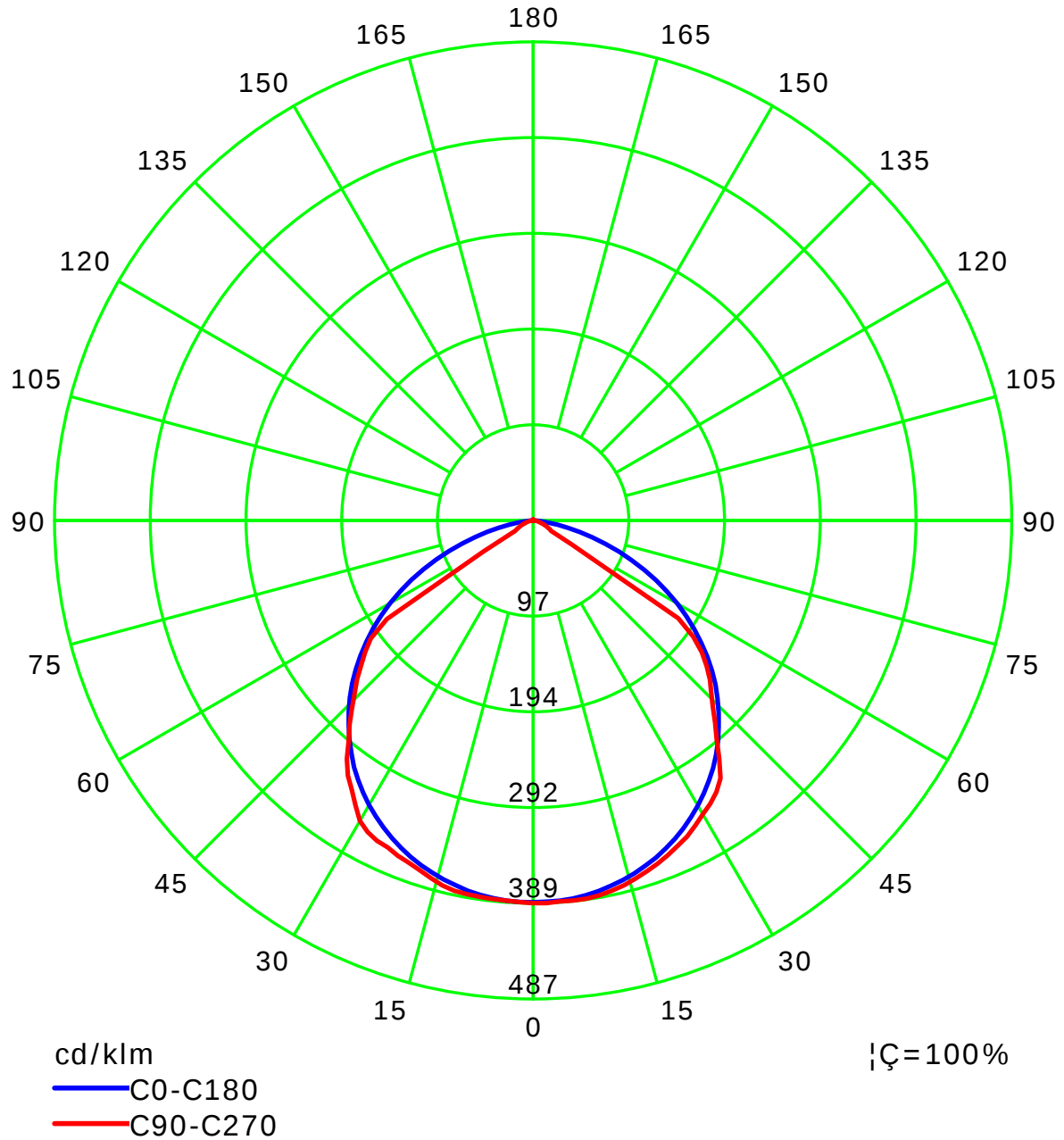
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

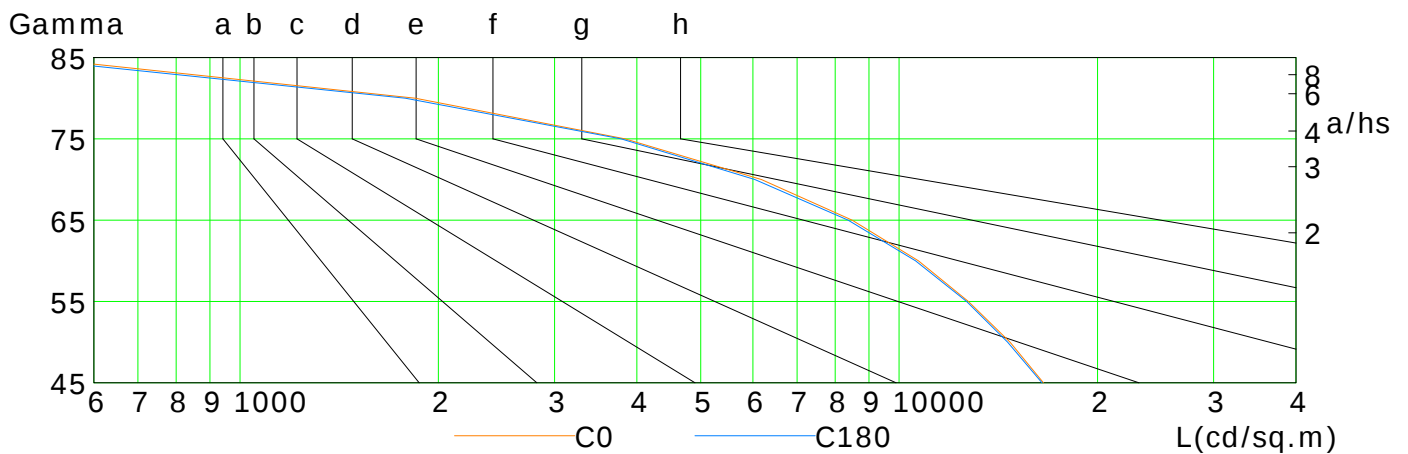
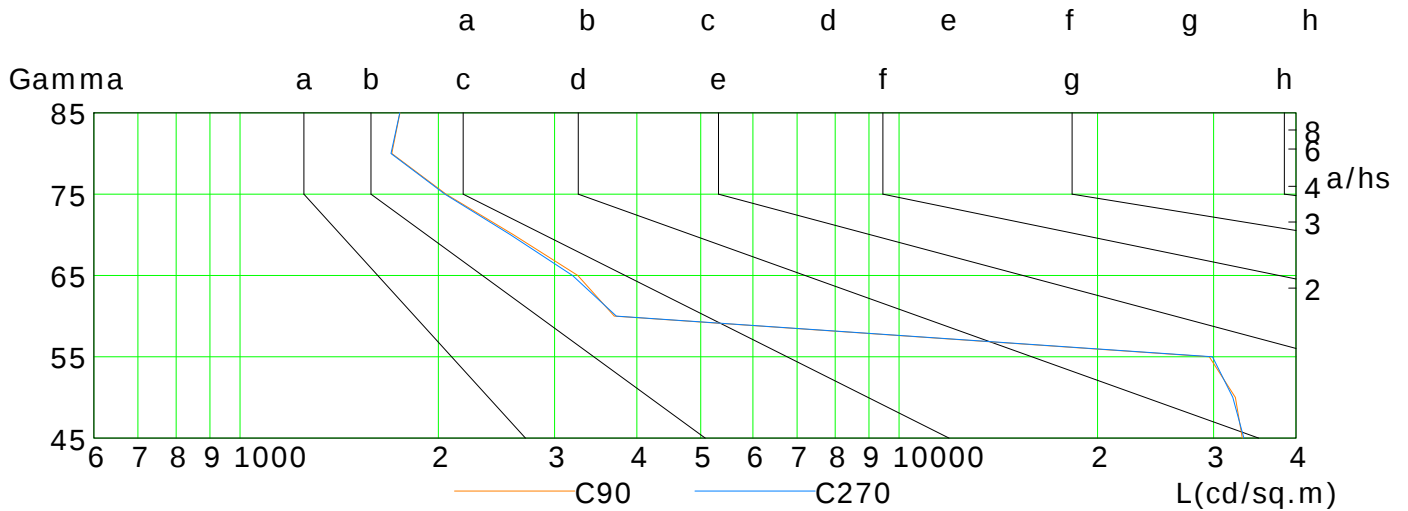
Inspector:

Luminous Intensity Distribution Curve(cd / klm)



Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	16558	14732	12739	10699	8485	6181	3838	1845	484
C90	33159	32366	29546	3697	3255	2600	2054	1700	1749
C180	16474	14608	12655	10591	8371	6041	3786	1782	453
C270	33345	32080	29885	3724	3195	2573	2045	1694	1748

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

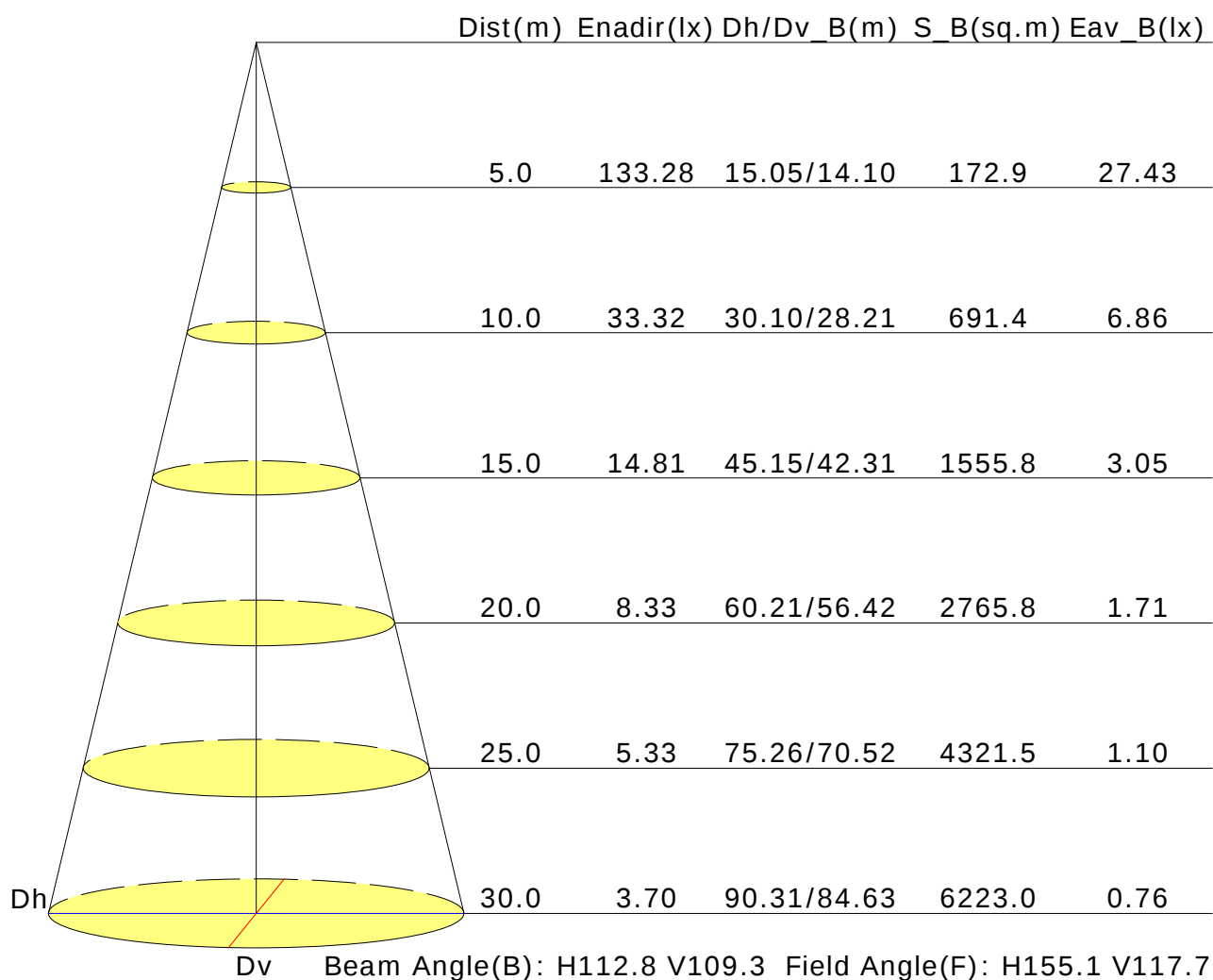
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Illuminance at a Distance



UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	22.1	23.4	22.4	23.7	23.9	22.0	23.3	22.3	23.5	23.8
3H	22.9	24.1	23.3	24.4	24.7	21.9	23.0	22.2	23.3	23.6
4H	23.1	24.2	23.5	24.5	24.8	21.8	22.9	22.2	23.2	23.5
6H	23.1	24.1	23.5	24.5	24.8	21.7	22.7	22.1	23.1	23.4
8H	23.1	24.1	23.5	24.4	24.7	21.7	22.7	22.1	23.0	23.3
12H	23.1	24.0	23.5	24.3	24.7	21.7	22.6	22.1	22.9	23.3
X=4H Y=2H	22.4	23.5	22.8	23.8	24.1	22.2	23.3	22.6	23.6	23.9
3H	23.3	24.2	23.7	24.6	24.9	22.1	23.1	22.5	23.4	23.7
4H	23.5	24.4	23.9	24.7	25.1	22.1	22.9	22.5	23.3	23.6
6H	23.6	24.3	24.0	24.7	25.1	22.0	22.7	22.5	23.1	23.5
8H	23.5	24.2	24.0	24.6	25.0	22.0	22.7	22.4	23.1	23.5
12H	23.5	24.1	24.0	24.5	25.0	22.0	22.6	22.4	23.0	23.4
X=8H Y=4H	23.4	24.1	23.9	24.5	24.9	22.0	22.7	22.5	23.1	23.5
6H	23.5	24.0	23.9	24.4	24.9	22.0	22.5	22.5	23.0	23.4
8H	23.5	23.9	23.9	24.4	24.9	22.0	22.4	22.4	22.9	23.4
12H	23.4	23.8	23.9	24.3	24.8	21.9	22.3	22.4	22.8	23.3
X=12H Y=4H	23.4	24.0	23.9	24.4	24.9	22.0	22.6	22.5	23.0	23.5
6H	23.4	23.9	23.9	24.4	24.9	22.0	22.4	22.4	22.9	23.4
8H	23.4	23.8	23.9	24.3	24.8	21.9	22.3	22.4	22.8	23.3
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.8/-1.1				
S=1.5H	+0.6/-1.5					+2.6/-9.1				
S=2.0H	+1.2/-2.3					+4.0/-11.3				

Calculate in accordance with CIE Pub.117. The table is revised with 8568lm ($8\log(F/F_0) = 7.5$).

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.61	0.73	0.80	0.85	0.92	0.97	1.00	1.04	1.07	
	0.30		0.54	0.65	0.73	0.79	0.87	0.92	0.96	1.01	1.04	
	0.20		0.48	0.60	0.68	0.74	0.82	0.88	0.92	0.98	1.01	
0.50	0.50	0.20	0.60	0.71	0.78	0.83	0.89	0.94	0.96	1.00	1.03	
	0.30		0.53	0.64	0.72	0.77	0.85	0.90	0.93	0.97	1.00	
	0.20		0.48	0.59	0.67	0.73	0.81	0.86	0.90	0.95	0.98	
0.30	0.50	0.20	0.58	0.69	0.75	0.80	0.86	0.90	0.93	0.97	0.99	
	0.30		0.52	0.63	0.71	0.76	0.83	0.87	0.90	0.94	0.97	
	0.20		0.48	0.59	0.66	0.72	0.79	0.84	0.88	0.92	0.95	
0.00	0.00	0.00	0.46	0.56	0.64	0.69	0.76	0.80	0.83	0.88	0.90	
Rating:64W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.95	0.76	0.63	0.54	0.43	0.35	0.30	0.23	0.18	
	0.30		0.79	0.65	0.55	0.48	0.39	0.32	0.28	0.21	0.18	
	0.20		0.68	0.57	0.49	0.43	0.35	0.30	0.26	0.20	0.17	
0.50	0.50	0.20	0.91	0.73	0.61	0.52	0.41	0.37	0.28	0.21	0.17	
	0.30		0.77	0.63	0.54	0.47	0.37	0.31	0.26	0.20	0.17	
	0.20		0.67	0.56	0.48	0.42	0.34	0.29	0.25	0.19	0.16	
0.30	0.50	0.20	0.88	0.70	0.58	0.50	0.39	0.31	0.27	0.20	0.16	
	0.30		0.75	0.61	0.52	0.45	0.36	0.29	0.25	0.19	0.16	
	0.20		0.66	0.55	0.47	0.41	0.33	0.28	0.24	0.18	0.15	
0.00	0.00	0.00	0.55	0.45	0.37	0.32	0.25	0.21	0.17	0.13	0.11	
Rating:64W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.22	0.22	
	0.30		0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	
0.30	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.18	
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rating:64W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												