

Report No.:

Test Time: 26.05.2020 19:03

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60 2x96LED 0,6A 65W 4000K матовый (opal)

Number of Lamps: 1

Luminous Length (mm): 1500

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 221.2 V

Current: 0.299 A

Power: 63.75 W

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5834.3 lm

Measurement Flux: 5834.3 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 165.7, 163.3, 164.3, 164.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.9, 112.3, 113.0, 113.1

Luminaire Efficacy Rating (LER): 91.57

Central Intensity: 2001.49 cd

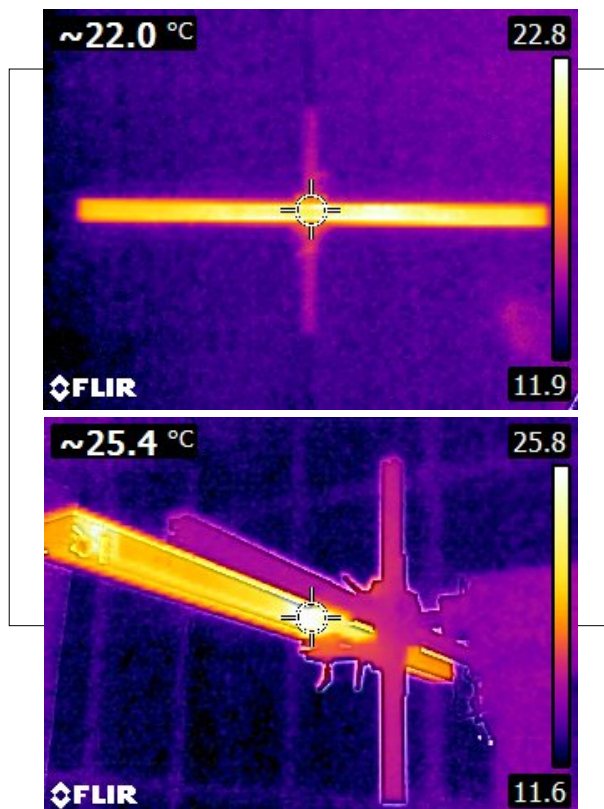
Max. Intensity: 2003.81 cd

Pos of Max. Intensity: H22.5 V0

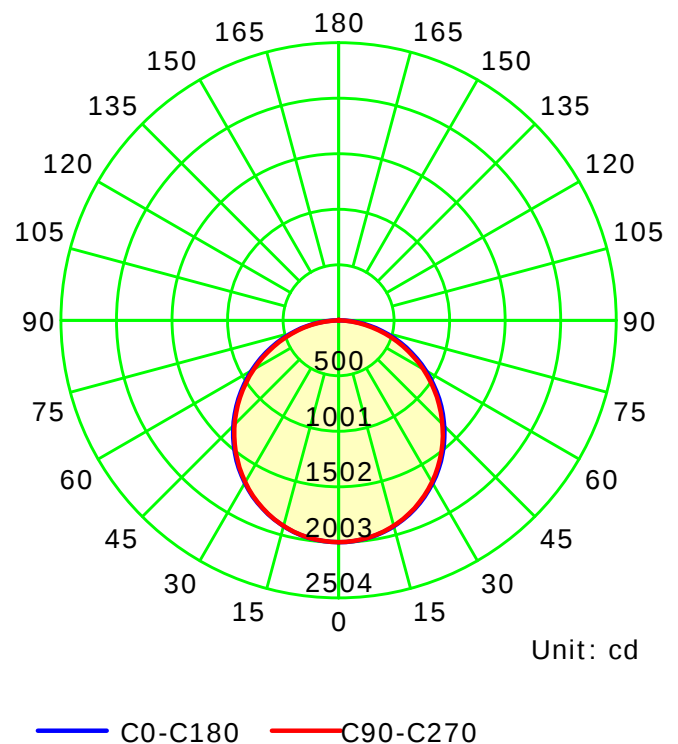
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.25

Termogramma



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

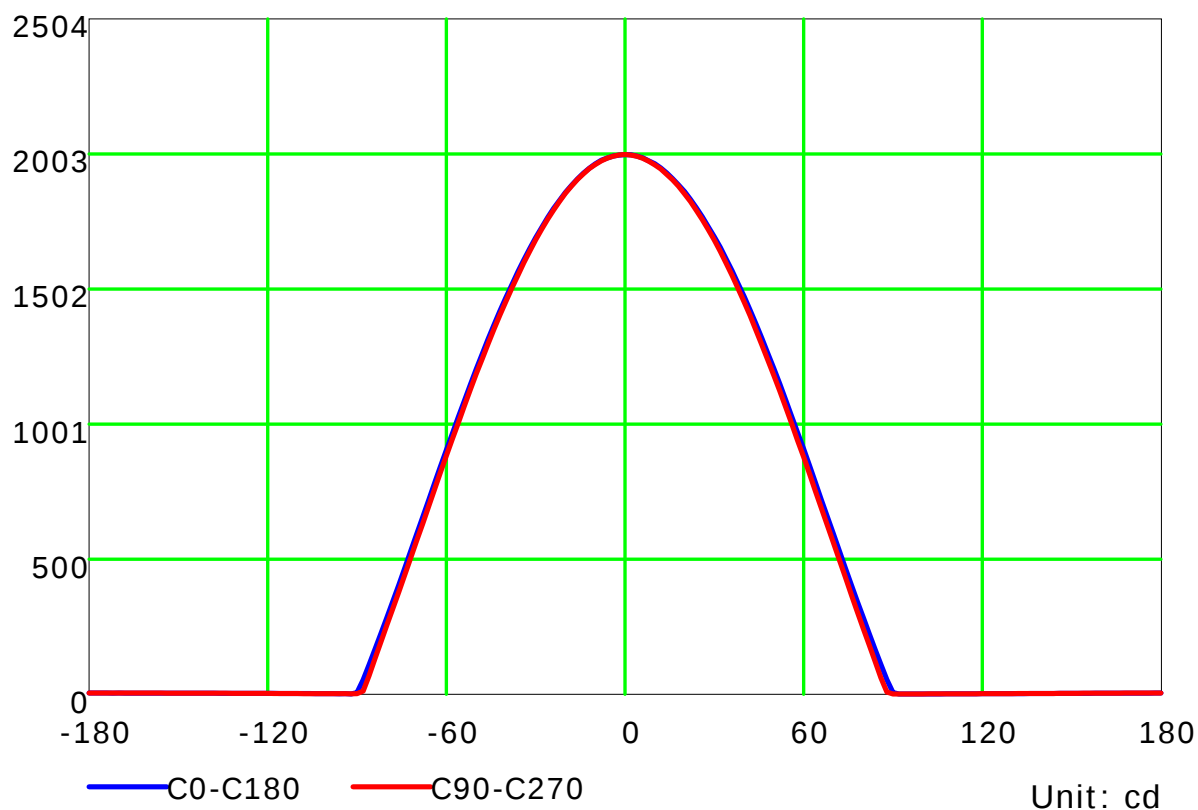
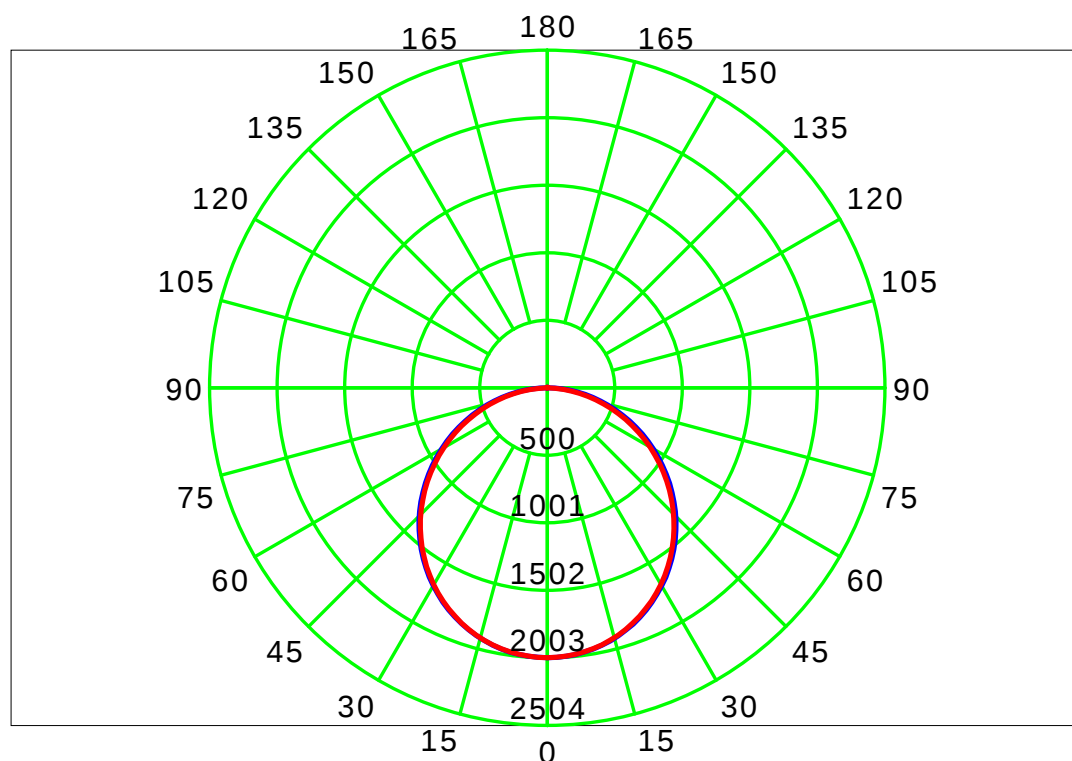
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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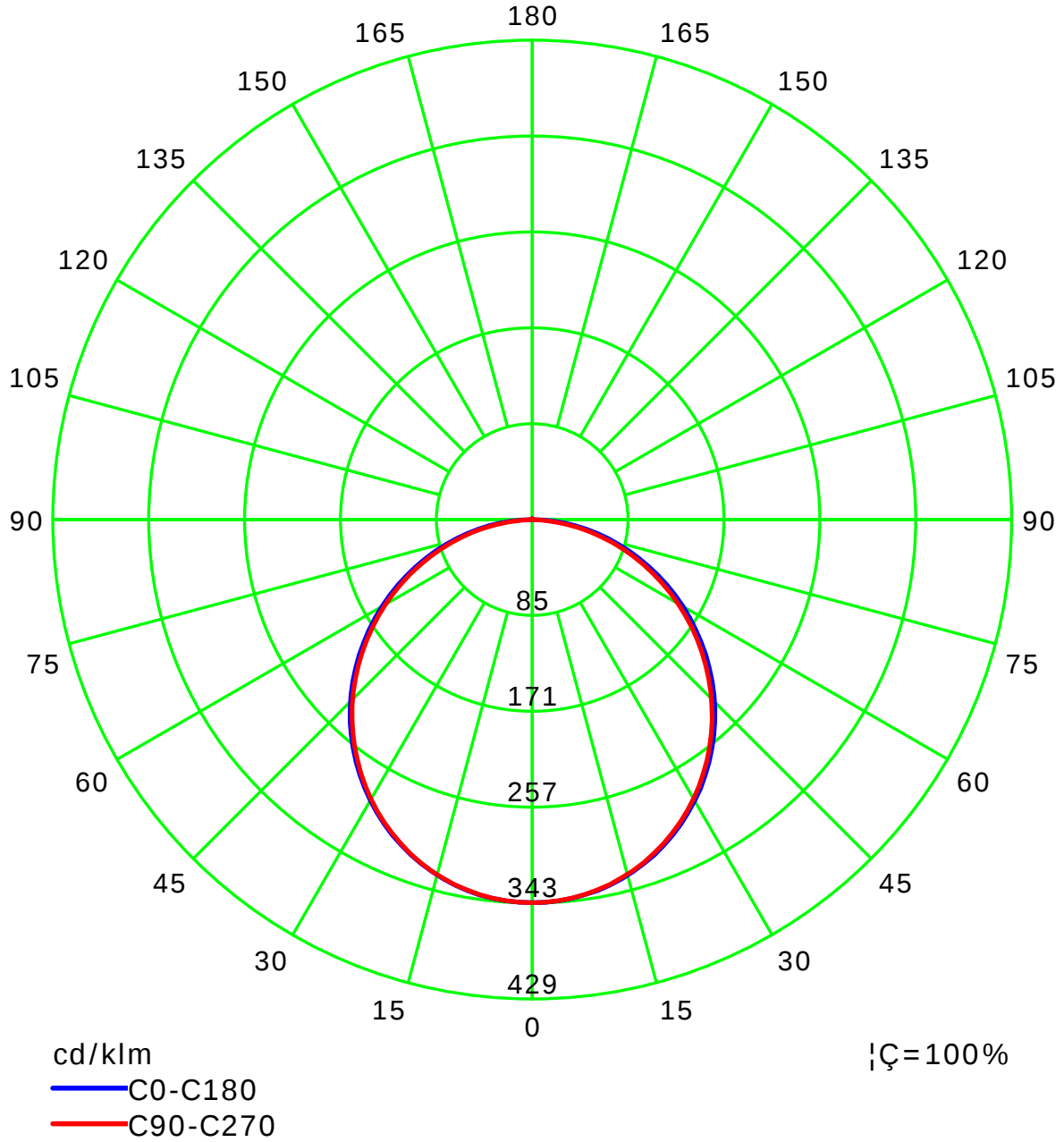
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°): 0.0-360.0: 22.5

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Operator:

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Test Device: LSG-1800B

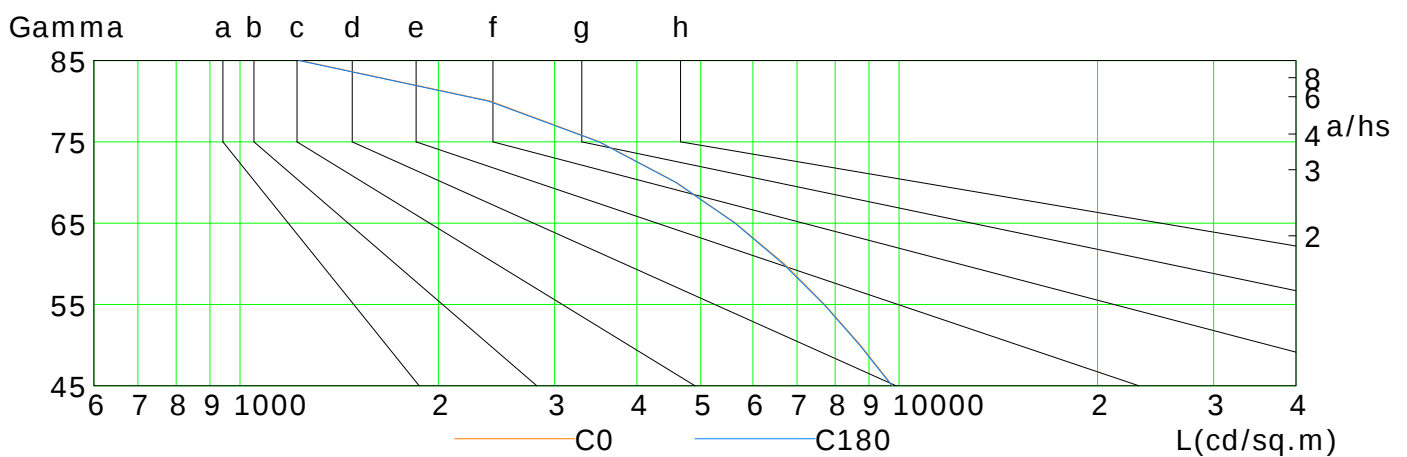
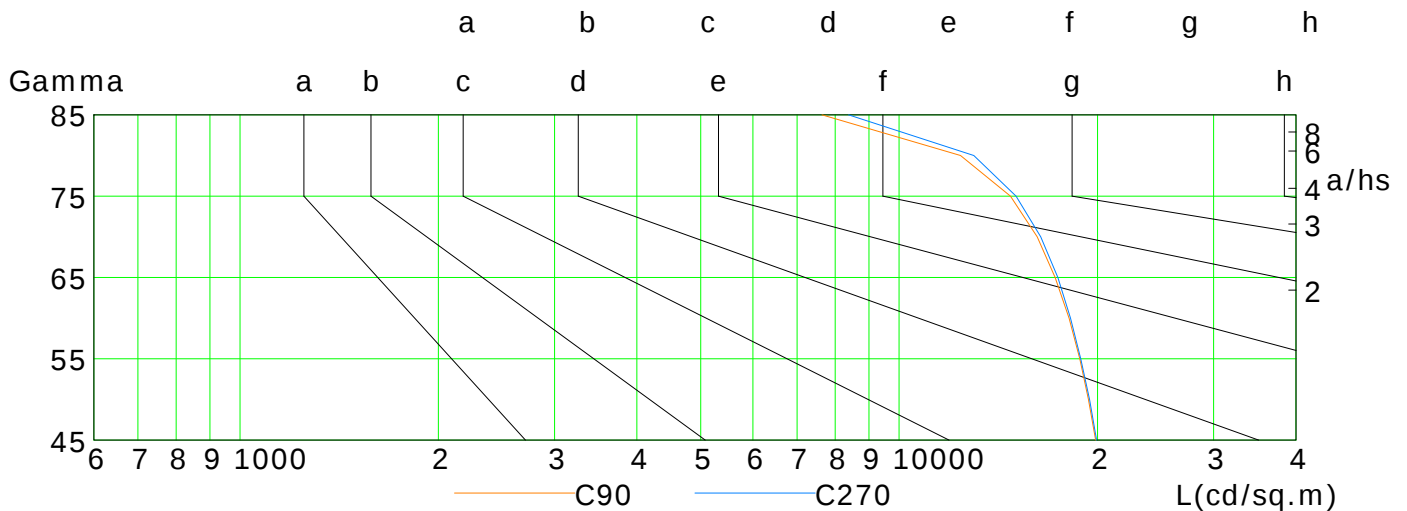
Distance: 12.677 m

Humidity:

Inspector:

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	9770	8736	7708	6695	5649	4596	3516	2401	1235
C90	19869	19368	18795	18104	17243	16200	14750	12394	7638
C180	9749	8715	7689	6665	5637	4584	3504	2385	1229
C270	19937	19451	18860	18196	17407	16396	15050	12983	8383

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

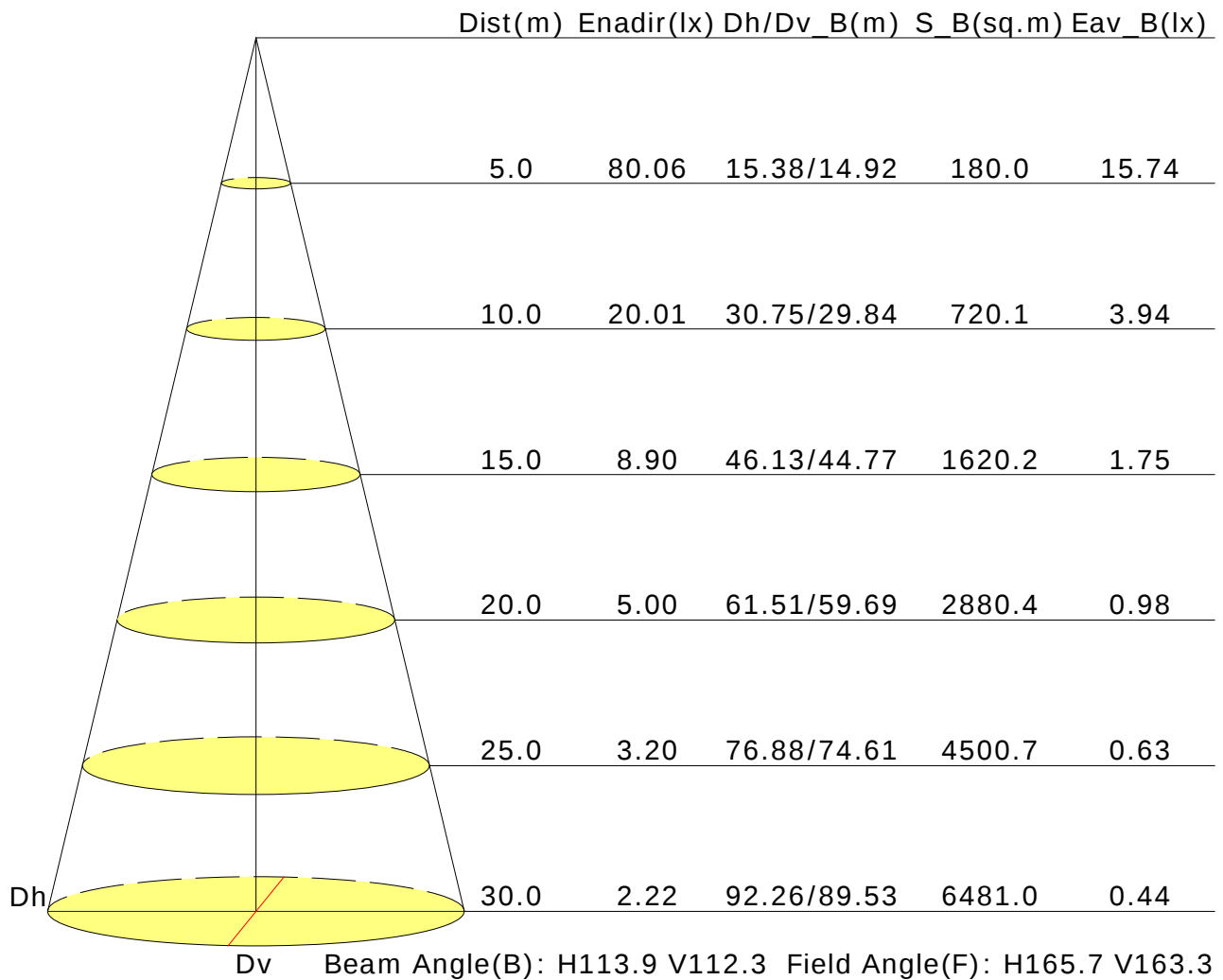
Test Device: LSG-1800B

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	19.9	21.3	20.2	21.5	21.8	21.5	22.9	21.8	23.2	23.4
3H	21.0	22.3	21.4	22.6	22.9	23.1	24.4	23.4	24.6	24.9
4H	21.4	22.6	21.8	22.9	23.3	23.7	24.9	24.1	25.2	25.5
6H	21.7	22.8	22.1	23.1	23.5	24.2	25.3	24.5	25.6	26.0
8H	21.8	22.9	22.1	23.2	23.5	24.3	25.4	24.7	25.7	26.1
12H	21.8	22.8	22.2	23.2	23.5	24.4	25.4	24.8	25.8	26.1
X=4H Y=2H	20.5	21.7	20.9	22.0	22.3	21.8	23.1	22.2	23.4	23.7
3H	21.8	22.9	22.2	23.2	23.6	23.5	24.6	23.9	24.9	25.3
4H	22.4	23.3	22.8	23.7	24.0	24.3	25.2	24.7	25.6	26.0
6H	22.7	23.5	23.1	23.9	24.4	24.8	25.7	25.3	26.1	26.5
8H	22.8	23.6	23.3	24.0	24.4	25.0	25.8	25.5	26.2	26.6
12H	22.9	23.6	23.3	24.0	24.4	25.1	25.8	25.6	26.2	26.7
X=8H Y=4H	22.6	23.4	23.1	23.8	24.2	24.4	25.1	24.8	25.6	26.0
6H	23.1	23.7	23.6	24.1	24.6	25.0	25.6	25.5	26.1	26.6
8H	23.2	23.8	23.7	24.2	24.7	25.2	25.8	25.7	26.3	26.7
12H	23.3	23.8	23.8	24.3	24.8	25.4	25.9	25.9	26.3	26.8
X=12H Y=4H	22.6	23.3	23.1	23.8	24.2	24.4	25.1	24.8	25.5	25.9
6H	23.1	23.7	23.6	24.1	24.6	25.0	25.6	25.5	26.0	26.5
8H	23.3	23.8	23.8	24.3	24.8	25.3	25.7	25.8	26.2	26.7
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.1/-0.2				
S=1.5H	+0.4/-0.7					+0.5/-0.5				
S=2.0H	+0.6/-1.2					+1.1/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 5834lm ($8\log(F/F_0) = 6.1$).

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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	0.56	0.66	0.73	0.79	0.86	0.91	0.95	1.00	1.03	
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.95	0.99	
	0.20		0.42	0.52	0.60	0.66	0.75	0.81	0.85	0.92	0.96	
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.98	
	0.30		0.47	0.57	0.64	0.70	0.78	0.83	0.87	0.92	0.95	
	0.20		0.42	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.93	
0.30	0.50	0.20	0.53	0.62	0.69	0.73	0.80	0.85	0.88	0.92	0.95	
	0.30		0.46	0.56	0.63	0.68	0.75	0.81	0.84	0.89	0.92	
	0.20		0.41	0.51	0.58	0.64	0.72	0.77	0.81	0.86	0.90	
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85	
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	1.01	0.84	0.72	0.63	0.50	0.42	0.36	0.28	0.23	
	0.30		0.85	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.22	
	0.20		0.72	0.63	0.55	0.50	0.41	0.35	0.31	0.25	0.21	
0.50	0.50	0.20	0.98	0.81	0.69	0.60	0.48	0.43	0.34	0.26	0.22	
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.38	0.33	0.25	0.21	
	0.30		0.81	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.71	0.61	0.54	0.48	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.32	0.27	0.23	0.18	0.15	
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	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.11	0.13	0.14	0.15	0.17	0.17	0.19	0.20	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.21	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.16	
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.20	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.16	0.17	0.18	
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16	
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												