

Report No.:

Test Time: 19.06.2020 12:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60 65W 4000K prozrachniy iFA40'300(110) (x2) s soedineniem

Luminous Length (mm): 1500

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 222.1 V

Current: 0.323 A

Power: 69.20 W

Power Factor: 0.962

Photometric Results

CIE Class: Direct

Measurement Flux: 9167.5 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 9167.5 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.1, 118.0, 133.7, 134.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.4, 108.8, 111.1, 111.6

Luminaire Efficacy Rating (LER): 132.53

Central Intensity: 3556.61 cd

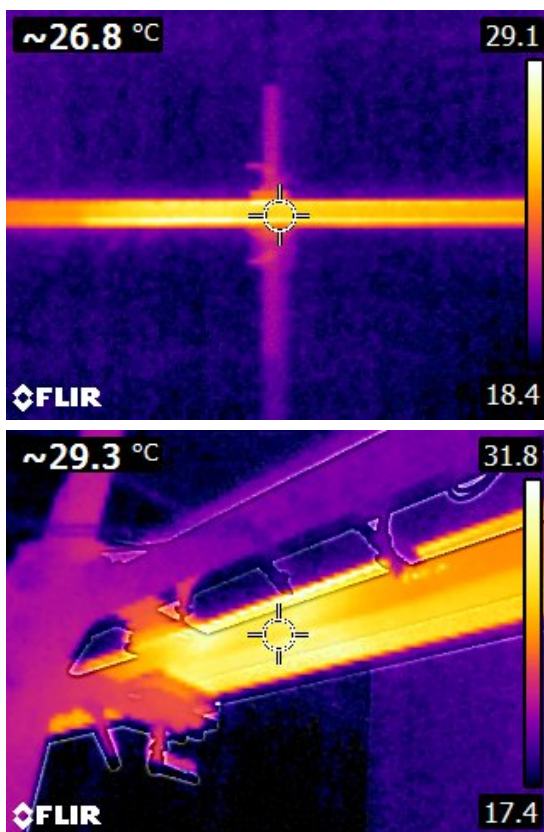
Max. Intensity: 3567.17 cd

Pos of Max. Intensity: H135 V2

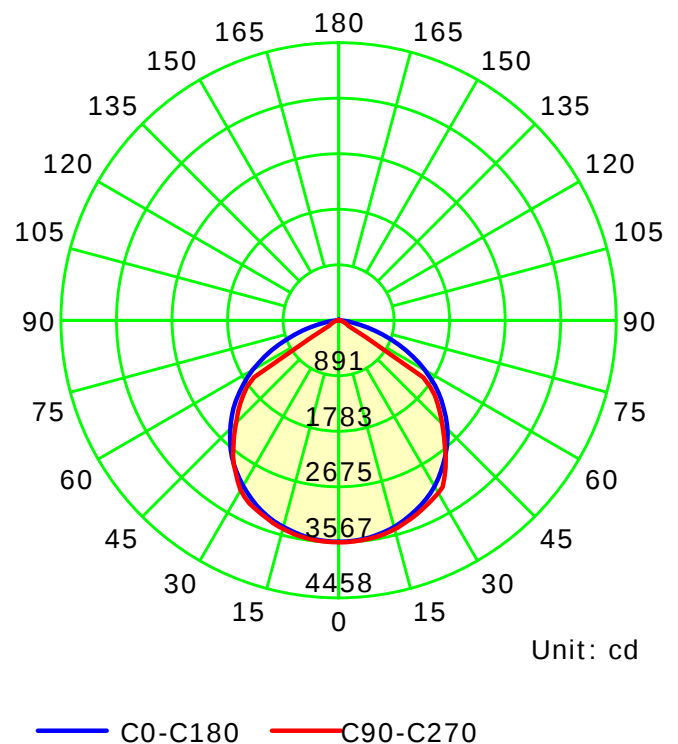
S/MH(C0/C180): 1.28

S/MH(C90/C270): 1.31

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

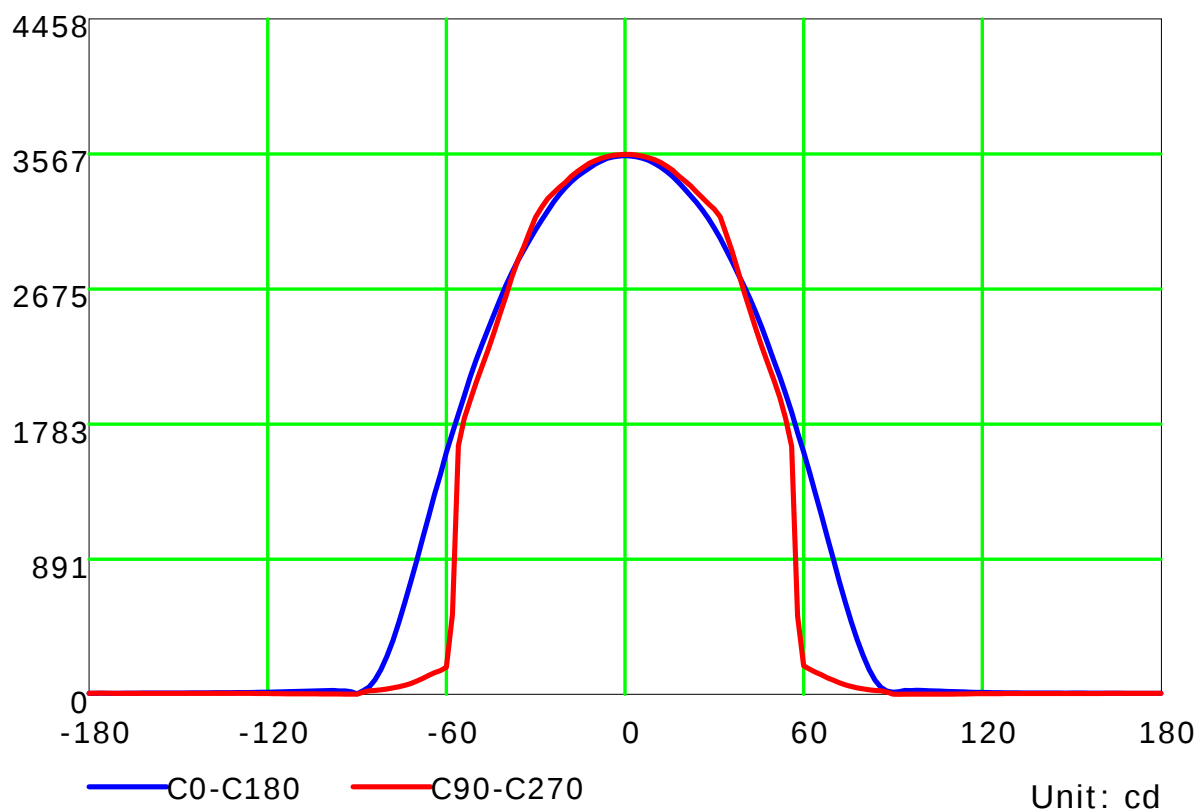
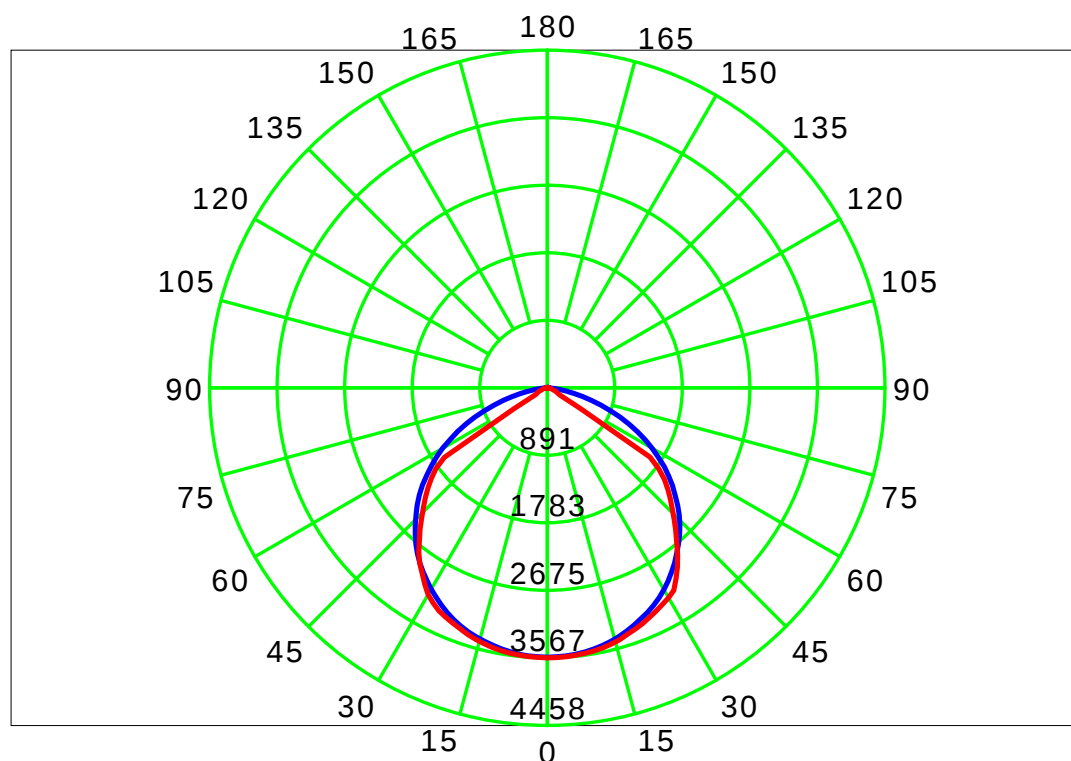
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

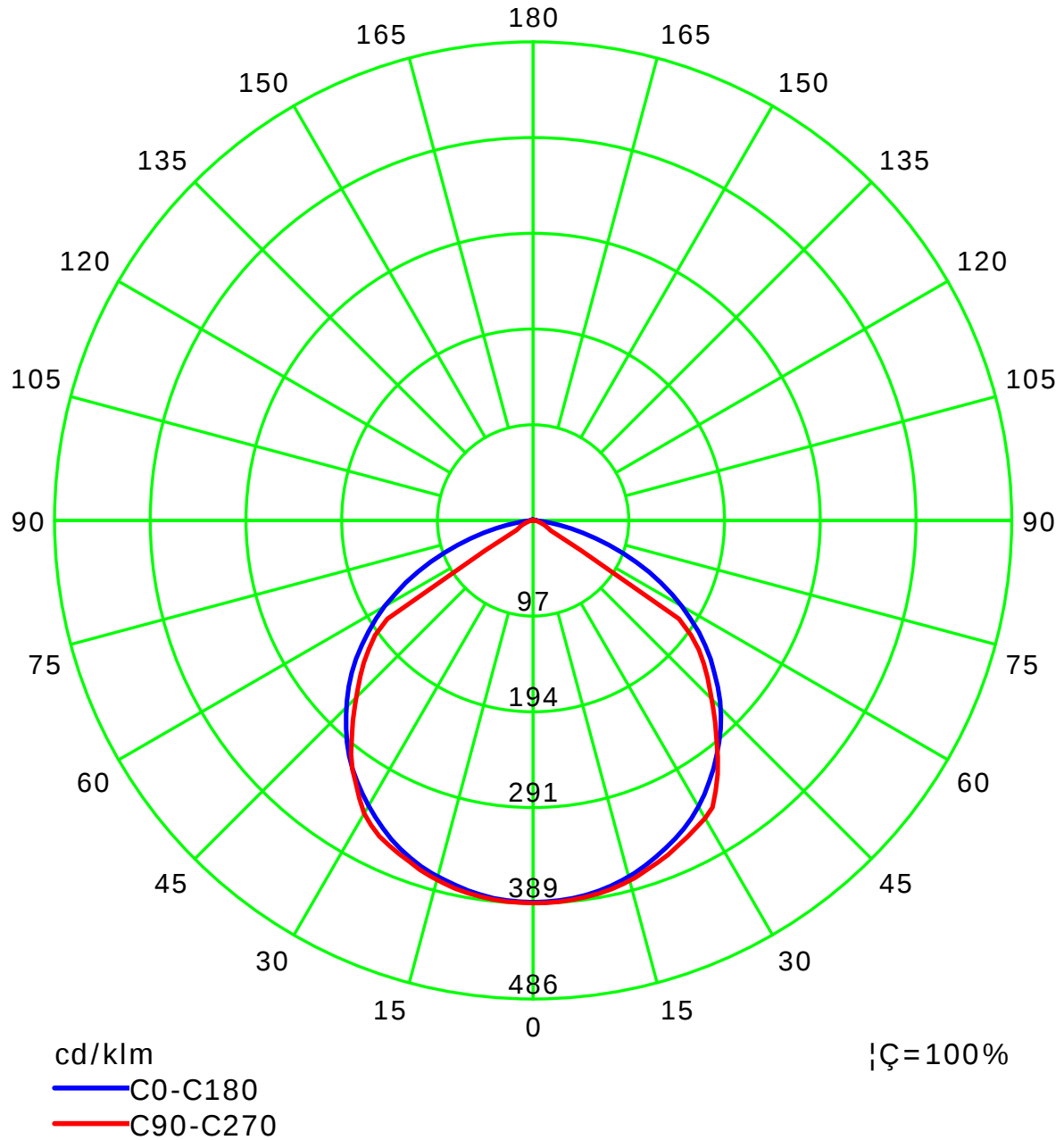
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

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Operator:

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Test Device: LSG-1800B

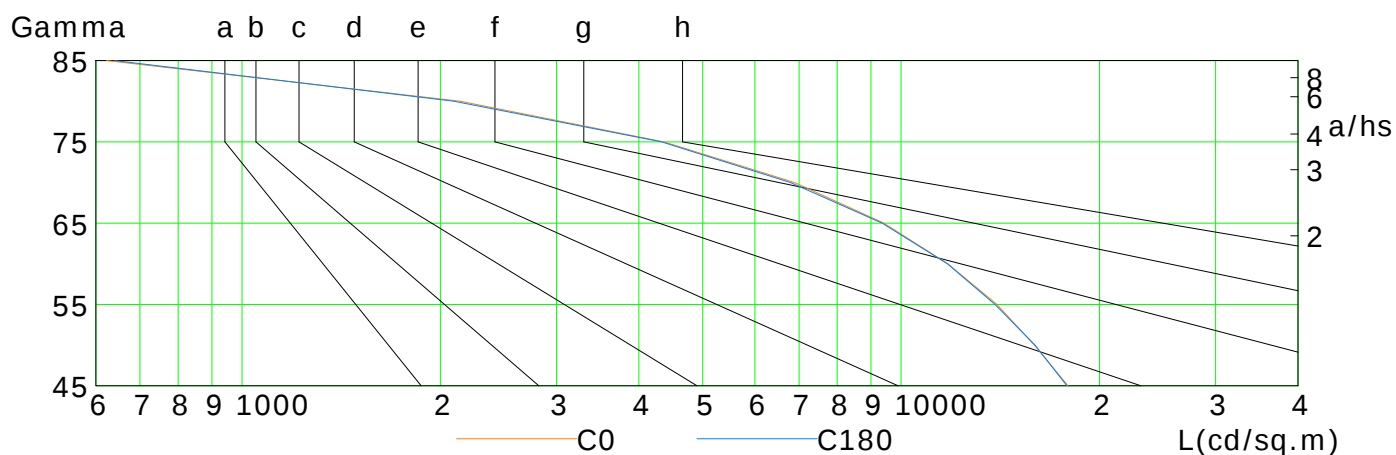
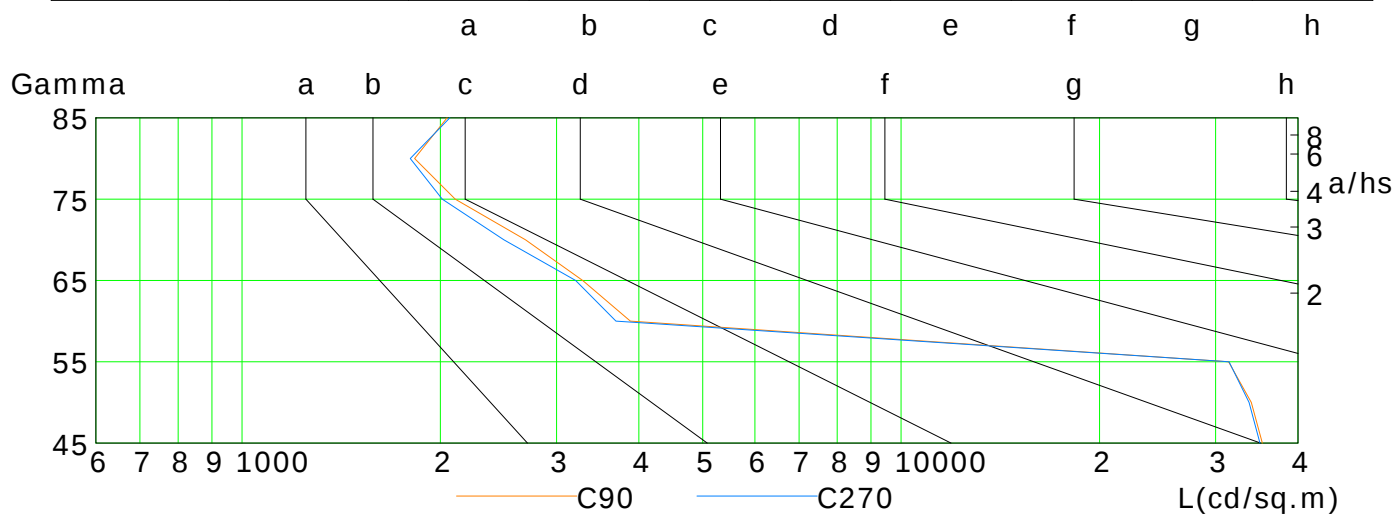
Distance: 12.677 m

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	17917	15929	13973	11773	9415	6887	4366	2142	623
C90	35316	33988	31392	3884	3287	2693	2106	1828	2047
C180	17847	15967	13879	11759	9360	6793	4330	2095	640
C270	35028	33716	31440	3693	3207	2497	2012	1800	2066

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

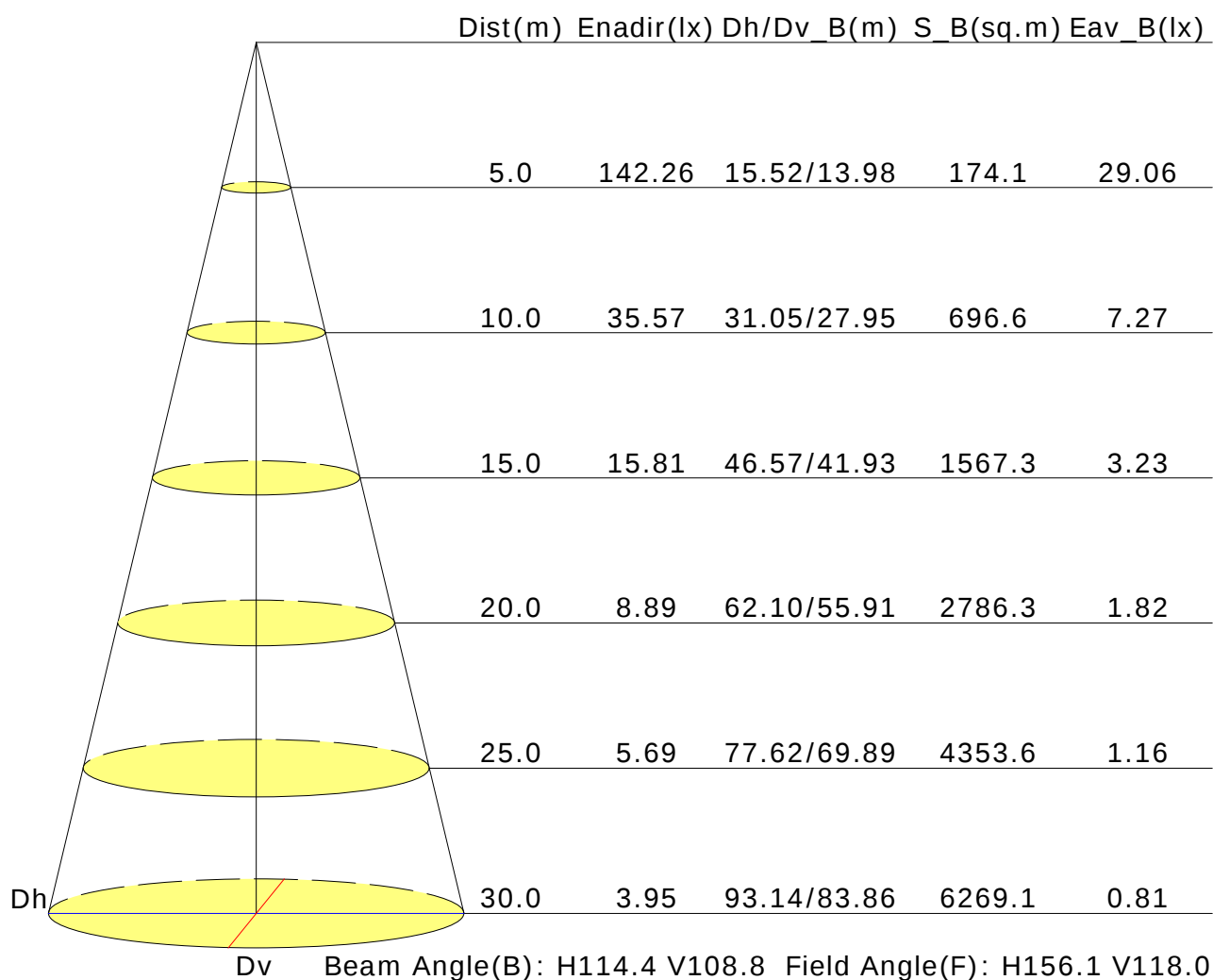
Test Device: LSG-1800B

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	22.4	23.7	22.7	23.9	24.2	22.1	23.4	22.4	23.7	23.9
3H	23.3	24.4	23.6	24.7	25.0	22.0	23.2	22.3	23.4	23.7
4H	23.5	24.6	23.8	24.8	25.1	21.9	23.0	22.3	23.3	23.6
6H	23.5	24.5	23.9	24.8	25.1	21.9	22.9	22.2	23.2	23.5
8H	23.5	24.4	23.8	24.8	25.1	21.8	22.8	22.2	23.1	23.5
12H	23.4	24.4	23.8	24.7	25.0	21.8	22.7	22.2	23.1	23.4
X=4H Y=2H	22.7	23.8	23.0	24.1	24.4	22.4	23.5	22.7	23.8	24.1
3H	23.6	24.5	24.0	24.9	25.2	22.3	23.2	22.7	23.5	23.9
4H	23.9	24.7	24.3	25.0	25.4	22.2	23.0	22.6	23.4	23.8
6H	23.9	24.6	24.3	25.0	25.4	22.2	22.9	22.6	23.3	23.7
8H	23.9	24.5	24.3	24.9	25.4	22.1	22.8	22.6	23.2	23.6
12H	23.9	24.4	24.3	24.9	25.3	22.1	22.7	22.6	23.1	23.6
X=8H Y=4H	23.8	24.4	24.2	24.8	25.3	22.2	22.8	22.6	23.2	23.7
6H	23.8	24.3	24.3	24.8	25.2	22.1	22.7	22.6	23.1	23.6
8H	23.8	24.3	24.3	24.7	25.2	22.1	22.6	22.6	23.0	23.5
12H	23.8	24.2	24.3	24.7	25.2	22.1	22.5	22.6	23.0	23.5
X=12H Y=4H	23.7	24.3	24.2	24.7	25.2	22.1	22.7	22.6	23.2	23.6
6H	23.8	24.2	24.3	24.7	25.2	22.1	22.6	22.6	23.0	23.5
8H	23.8	24.2	24.3	24.6	25.2	22.1	22.5	22.6	23.0	23.5
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.3					+0.8/-1.1				
S=1.5H	+0.6/-1.4					+2.5/-9.5				
S=2.0H	+1.2/-2.1					+4.0/-11.5				

Calculate in accordance with CIE Pub.117. The table is revised with 9168lm ($8\log(F/F_0) = 7.7$).

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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	0.61	0.72	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	1.00	1.04	
	0.20		0.48	0.60	0.68	0.74	0.82	0.88	0.92	0.97	1.01	
0.50	0.50	0.20	0.59	0.70	0.77	0.82	0.89	0.93	0.96	1.00	1.02	
	0.30		0.53	0.64	0.72	0.77	0.84	0.89	0.93	0.97	1.00	
	0.20		0.48	0.59	0.67	0.73	0.81	0.86	0.89	0.95	0.98	
0.30	0.50	0.20	0.58	0.68	0.75	0.80	0.86	0.90	0.93	0.96	0.98	
	0.30		0.52	0.63	0.70	0.75	0.82	0.87	0.90	0.94	0.96	
	0.20		0.48	0.59	0.66	0.72	0.79	0.84	0.87	0.92	0.95	
0.00	0.00	0.00	0.45	0.56	0.63	0.69	0.75	0.80	0.83	0.87	0.90	
Rating:69W 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	0.55	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	0.22	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	0.32	0.27	0.20	0.16	
	0.30		0.75	0.62	0.52	0.45	0.36	0.30	0.25	0.19	0.16	
	0.20		0.66	0.55	0.47	0.41	0.33	0.28	0.24	0.19	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:69W 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	0.18	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	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	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.20	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating:69W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												