

Report No.:

Test Time: 19.06.2020 17:04

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60 72W 4000K матовый (opal) iFA40'320(110) (x2) s soedineniem

Luminous Length (mm): 1500

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 222.0 V

Current: 0.346 A

Power: 74.83 W

Power Factor: 0.971

Photometric Results

CIE Class: Direct

Measurement Flux: 7570.8 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 7570.8 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 165.8, 162.0, 163.1, 163.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.1, 108.6, 109.9, 109.8

Luminaire Efficacy Rating (LER): 101.22

Central Intensity: 2653.75 cd

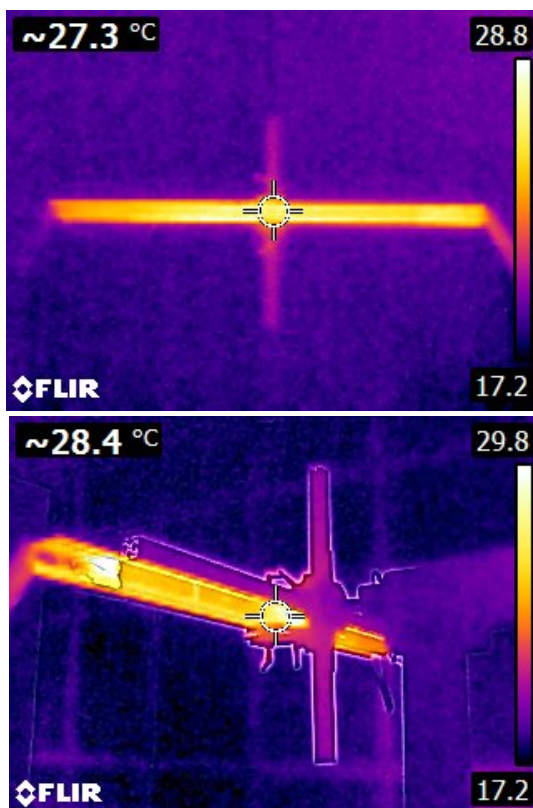
Max. Intensity: 2660.06 cd

Pos of Max. Intensity: H90 V0

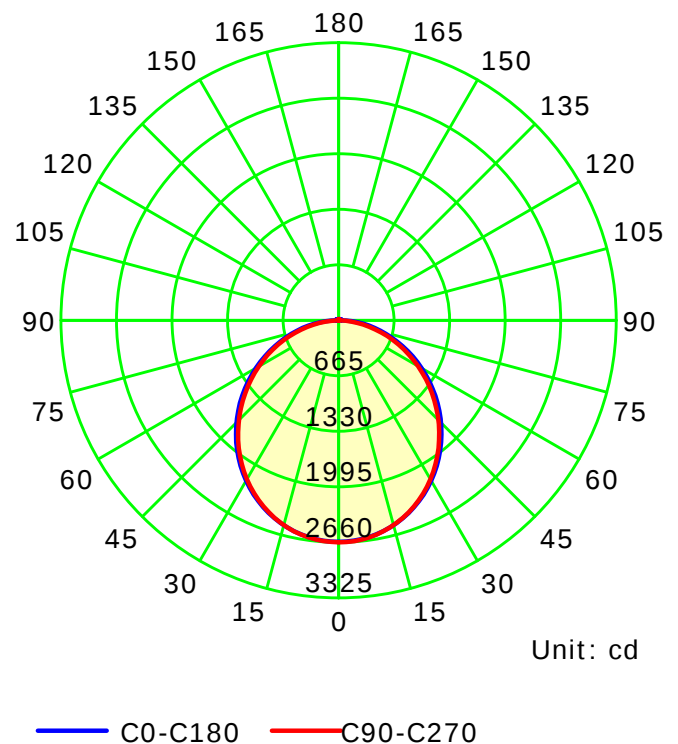
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.23

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

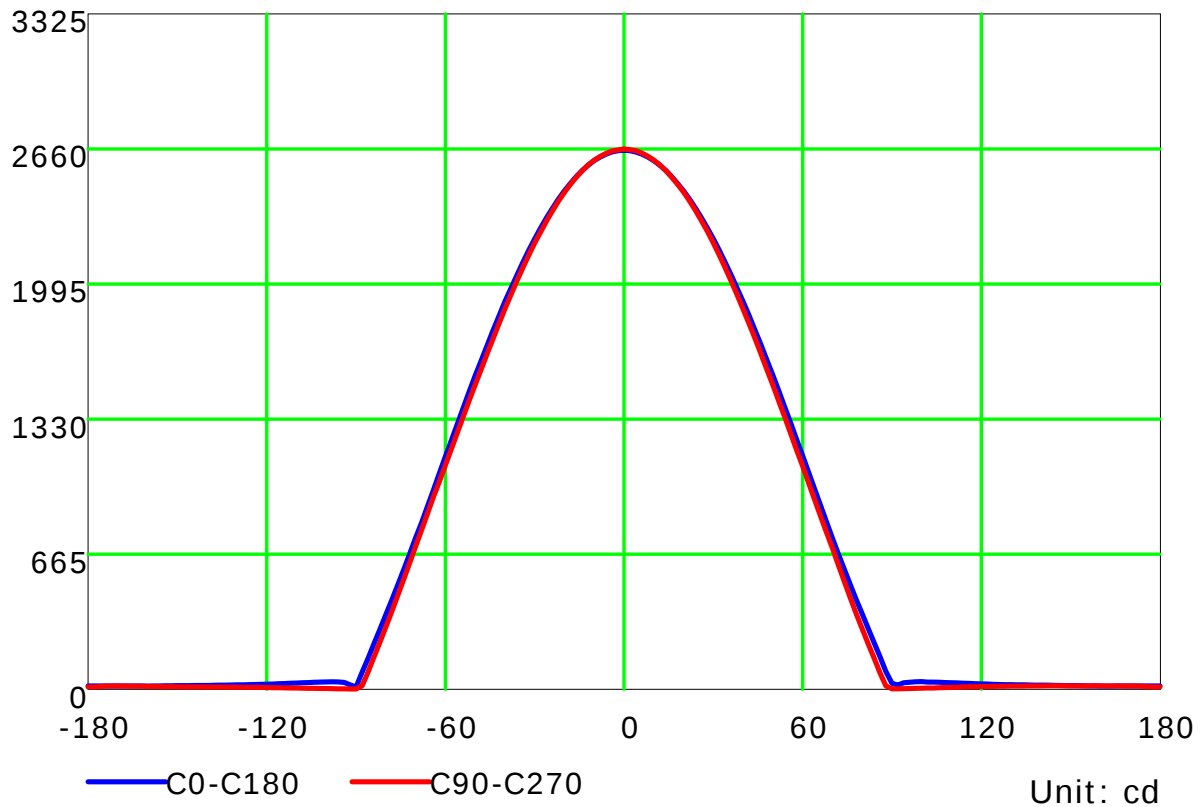
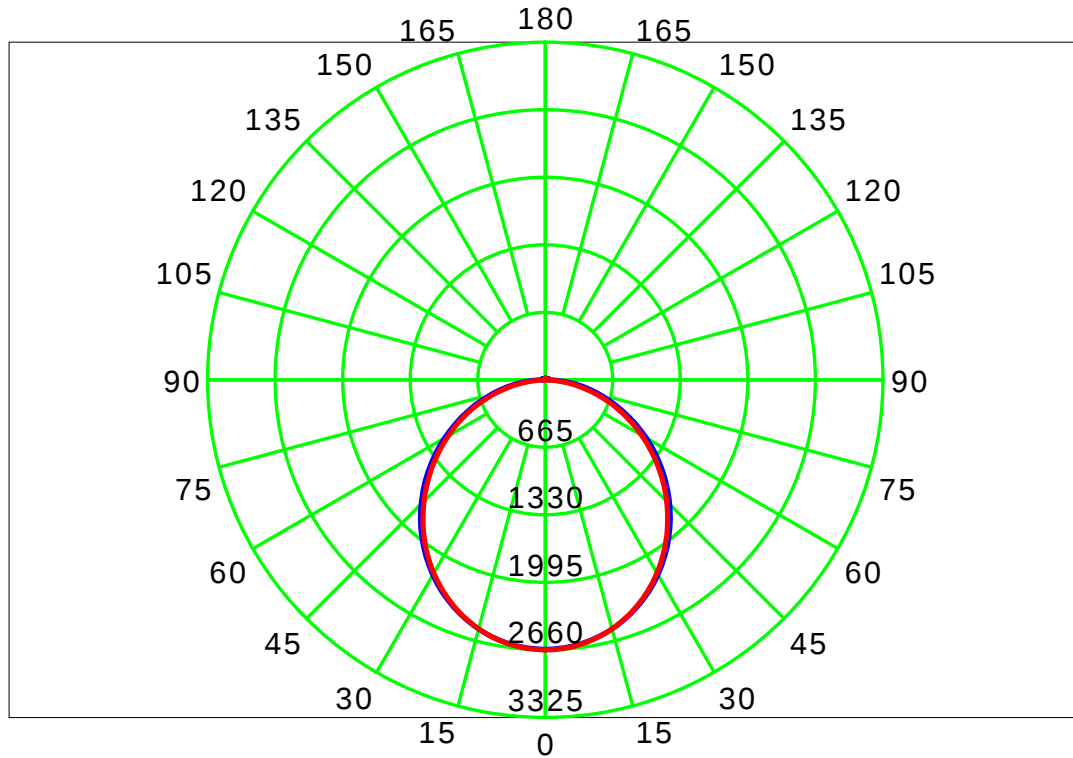
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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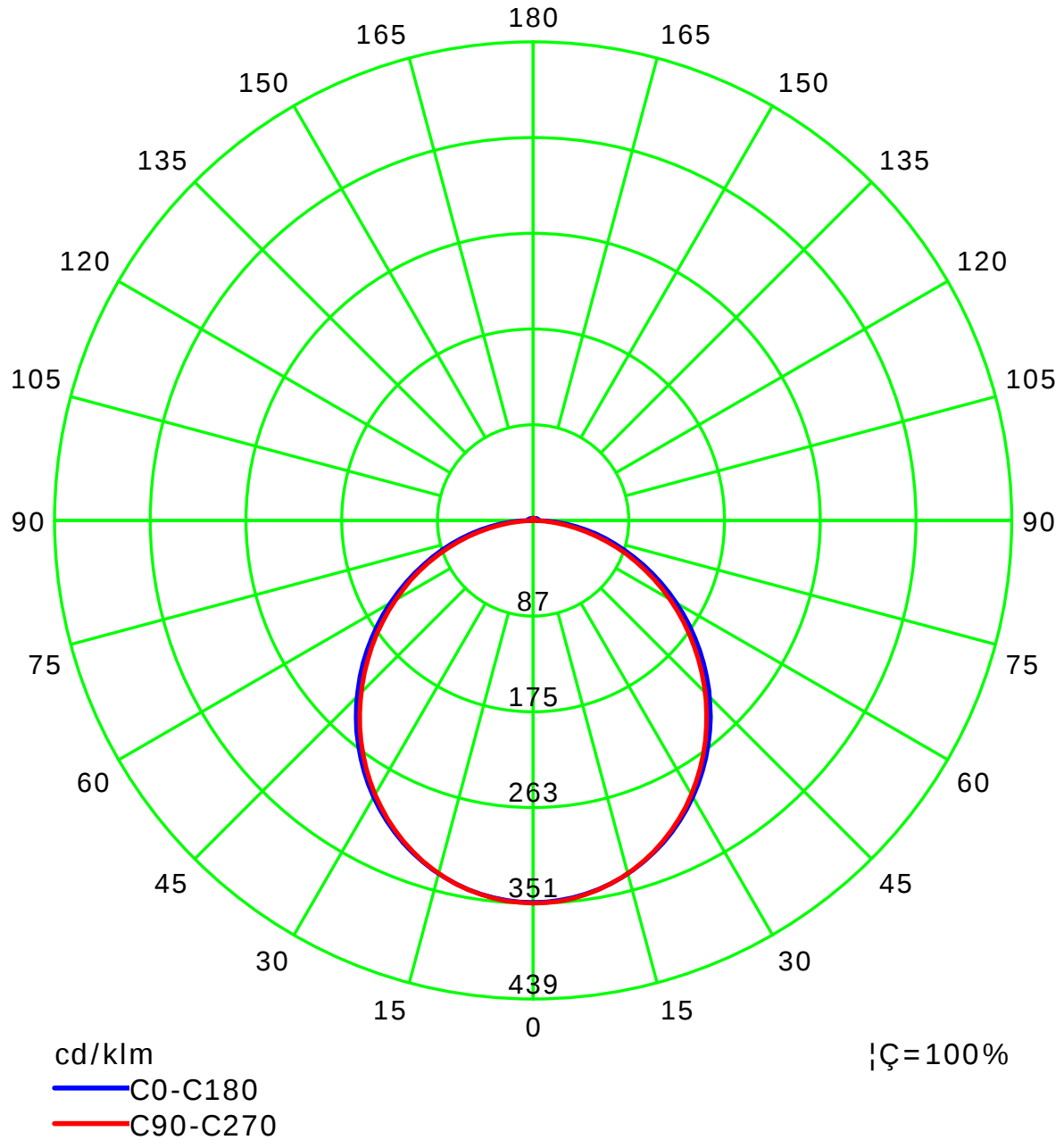
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 22.5

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Distance: 12.677 m

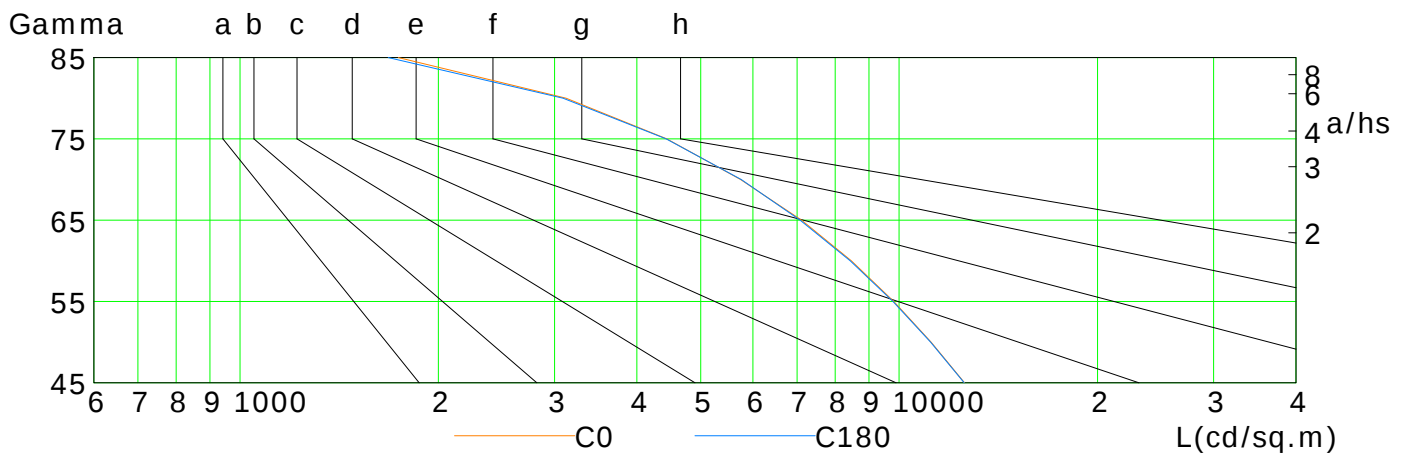
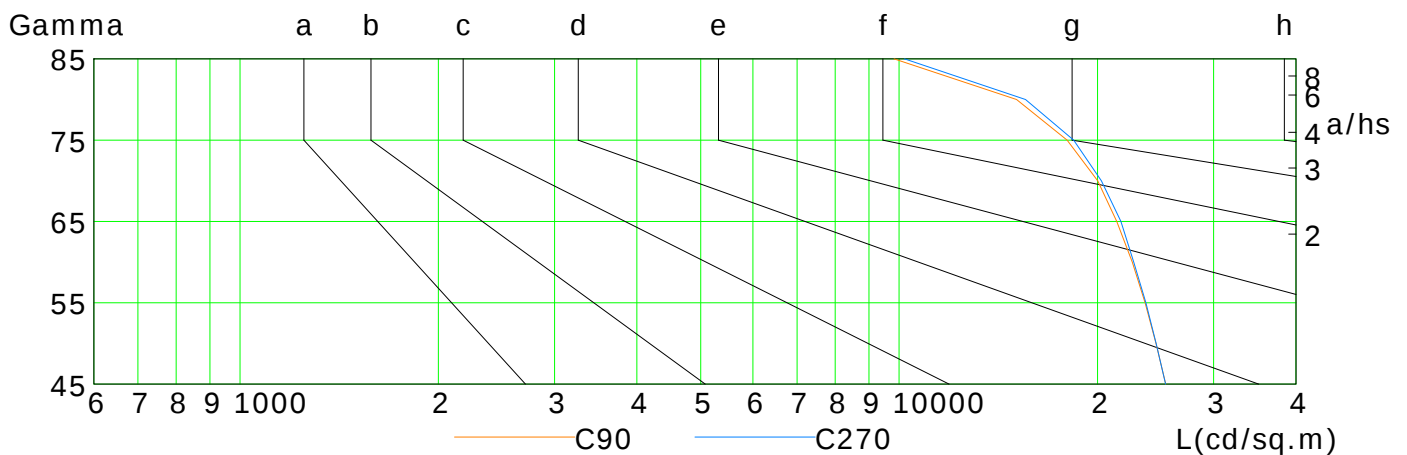
Humidity:

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	12568	11182	9813	8461	7113	5747	4442	3124	1739
C90	25376	24534	23618	22584	21394	20014	17980	15070	9825
C180	12549	11163	9785	8429	7076	5759	4430	3091	1678
C270	25370	24546	23677	22690	21705	20269	18398	15547	10190

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

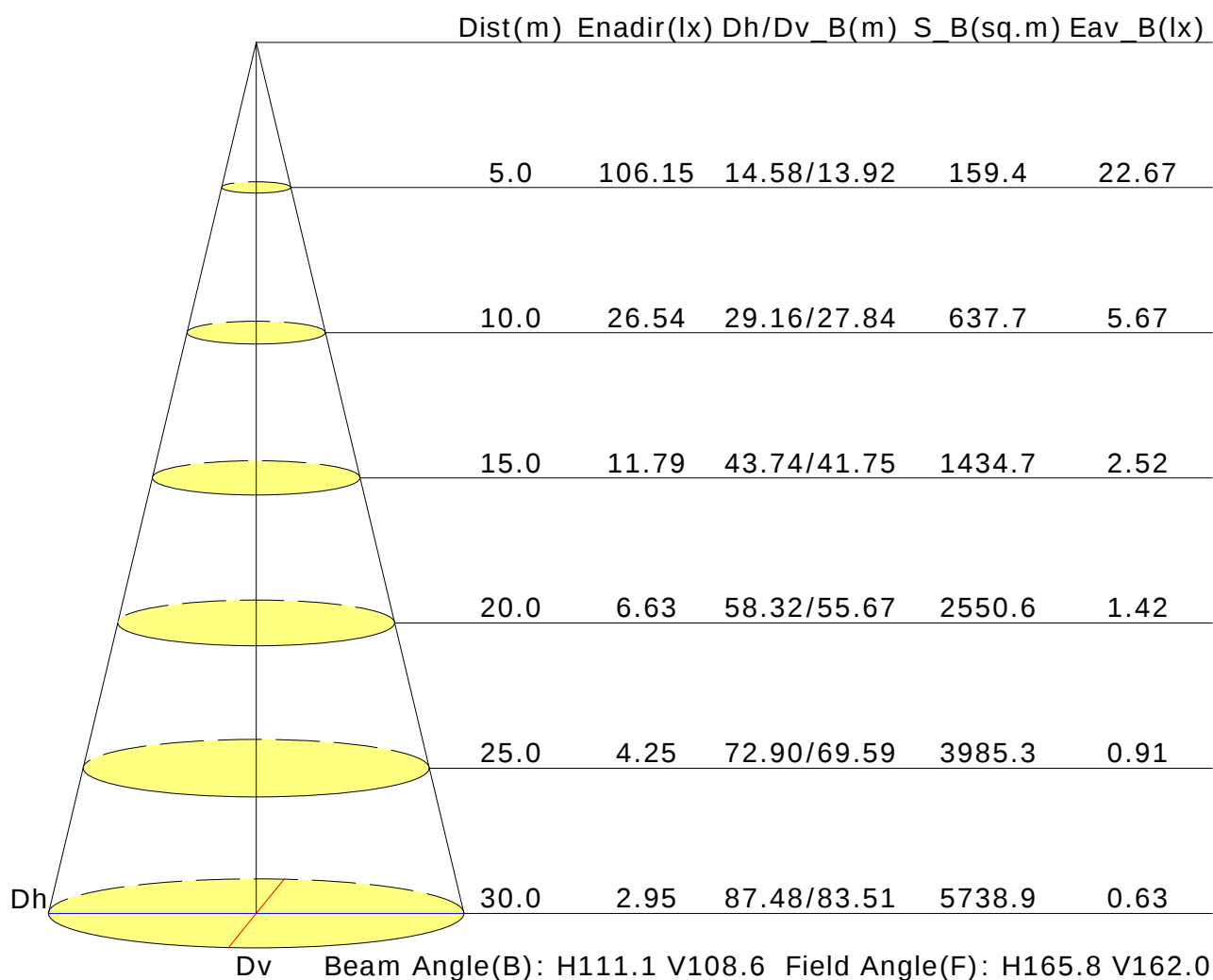
Test Device: LSG-1800B

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	20.6	22.0	20.9	22.2	22.5	22.2	23.6	22.5	23.8	24.1
3H	21.7	23.0	22.1	23.3	23.6	23.7	25.0	24.1	25.3	25.6
4H	22.1	23.3	22.5	23.6	24.0	24.3	25.5	24.7	25.8	26.1
6H	22.4	23.5	22.8	23.9	24.2	24.8	25.9	25.1	26.2	26.5
8H	22.5	23.6	22.9	23.9	24.3	24.9	26.0	25.3	26.3	26.7
12H	22.5	23.5	22.9	23.9	24.3	25.0	26.0	25.4	26.3	26.7
X=4H Y=2H	21.2	22.4	21.6	22.7	23.1	22.5	23.7	22.9	24.0	24.3
3H	22.5	23.6	22.9	23.9	24.3	24.2	25.2	24.6	25.6	25.9
4H	23.0	24.0	23.5	24.3	24.7	24.9	25.8	25.3	26.2	26.6
6H	23.4	24.2	23.9	24.6	25.1	25.4	26.2	25.8	26.6	27.1
8H	23.5	24.3	24.0	24.7	25.1	25.6	26.3	26.0	26.7	27.2
12H	23.6	24.3	24.1	24.7	25.2	25.7	26.3	26.1	26.8	27.3
X=8H Y=4H	23.3	24.0	23.8	24.5	24.9	25.0	25.7	25.4	26.1	26.6
6H	23.8	24.4	24.2	24.8	25.3	25.6	26.2	26.1	26.6	27.1
8H	23.9	24.5	24.4	24.9	25.4	25.8	26.3	26.3	26.8	27.3
12H	24.0	24.5	24.5	25.0	25.5	25.9	26.4	26.4	26.9	27.4
X=12H Y=4H	23.3	24.0	23.8	24.4	24.9	25.0	25.6	25.4	26.1	26.6
6H	23.8	24.3	24.3	24.8	25.3	25.6	26.1	26.1	26.6	27.1
8H	24.0	24.4	24.5	24.9	25.5	25.8	26.3	26.3	26.8	27.3
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/-0.6				
S=2.0H	+0.7/-1.2					+1.1/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 7571lm ($8\log(F/F_0) = 7.0$).

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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	0.74	0.79	0.86	0.91	0.95	1.00	1.03	
	0.30		0.48	0.59	0.66	0.72	0.80	0.86	0.90	0.95	0.99	
	0.20		0.43	0.53	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	0.95	0.98	
	0.30		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.95	
	0.20		0.42	0.52	0.60	0.65	0.73	0.79	0.83	0.89	0.92	
0.30	0.50	0.20	0.53	0.62	0.69	0.73	0.80	0.84	0.87	0.91	0.94	
	0.30		0.46	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92	
	0.20		0.42	0.51	0.59	0.64	0.72	0.77	0.81	0.86	0.89	
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.76	0.81	0.84	
Rating:75W 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	1.00	0.83	0.71	0.62	0.49	0.41	0.35	0.27	0.22	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.68	0.59	0.47	0.42	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.29	0.23	0.20	
0.30	0.50	0.20	0.93	0.76	0.65	0.57	0.45	0.37	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.28	0.23	0.19	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.18	0.15	
Rating:75W 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	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.21	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.21	0.22	0.22	
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.30	0.50	0.20	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.18	0.19	
	0.20		0.06	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:75W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												