

Report No.:

Test Time: 22.06.2020 23:18

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60/1000 30W 4000K матовый (opal) 1-10

Number of Lamps: 1

Luminous Length (mm): 950

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 221.2 V

Current: 0.143 A

Power: 30.00 W

Power Factor: 0.946

Photometric Results

CIE Class: Direct

Measurement Flux: 3268.5 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 3268.5 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.1, 162.2, 163.1, 163.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.6, 107.4, 108.4, 108.5

Luminaire Efficacy Rating (LER): 109.00

Central Intensity: 1175.08 cd

Max. Intensity: 1175.99 cd

Pos of Max. Intensity: H45 V0

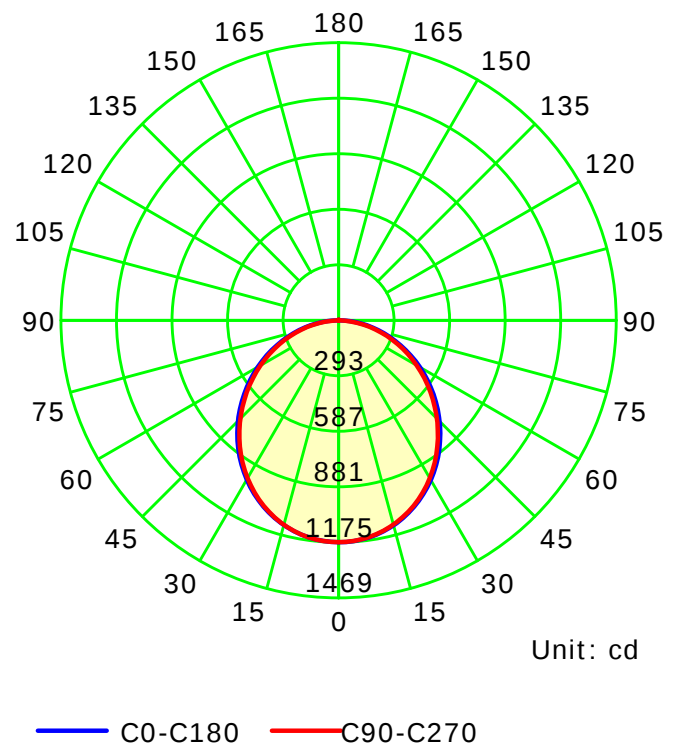
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.22

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

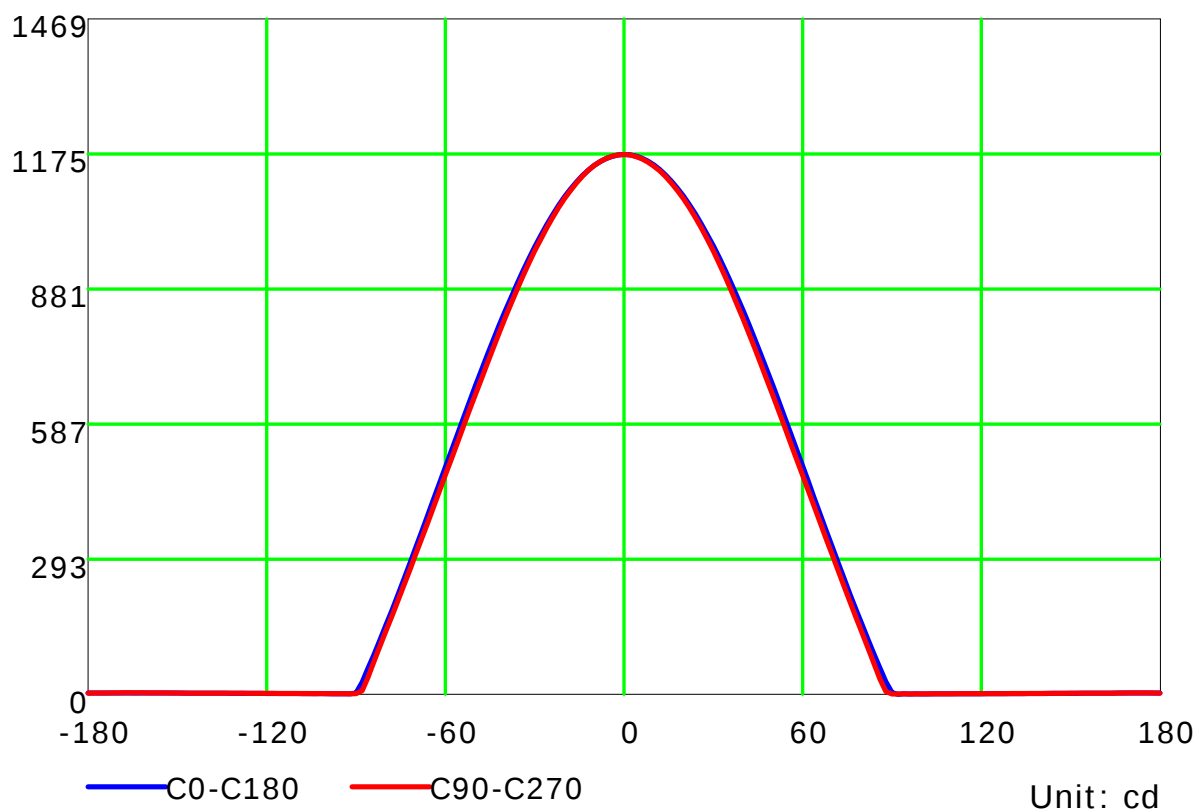
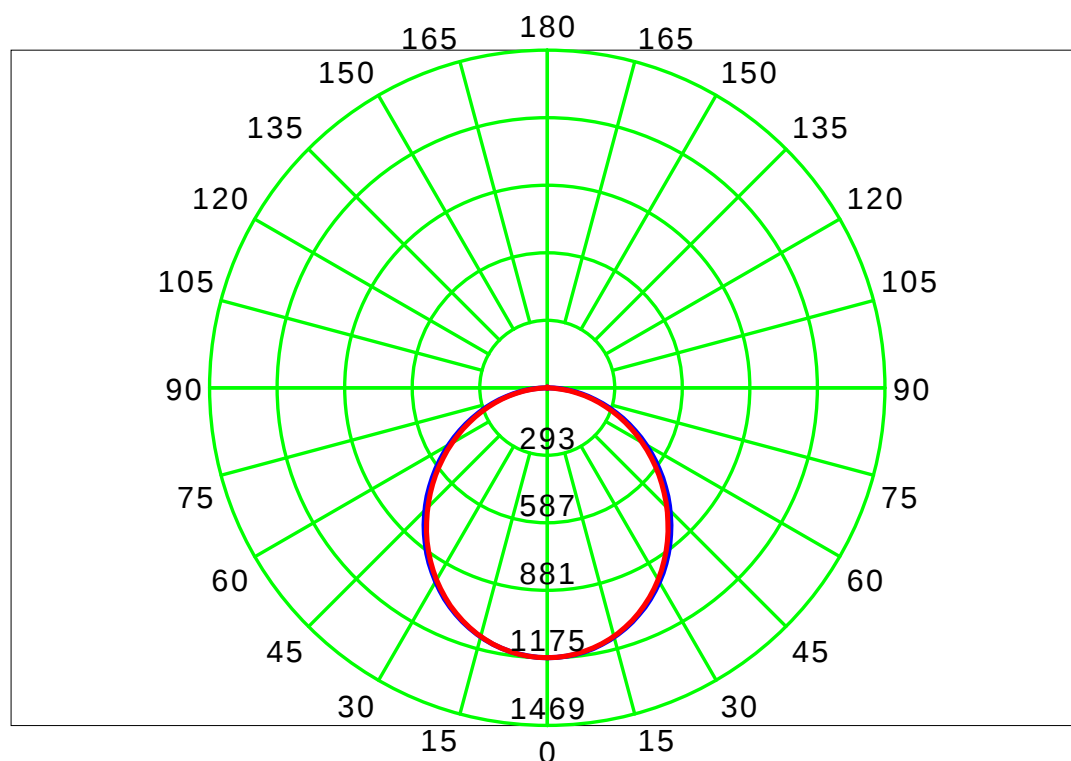
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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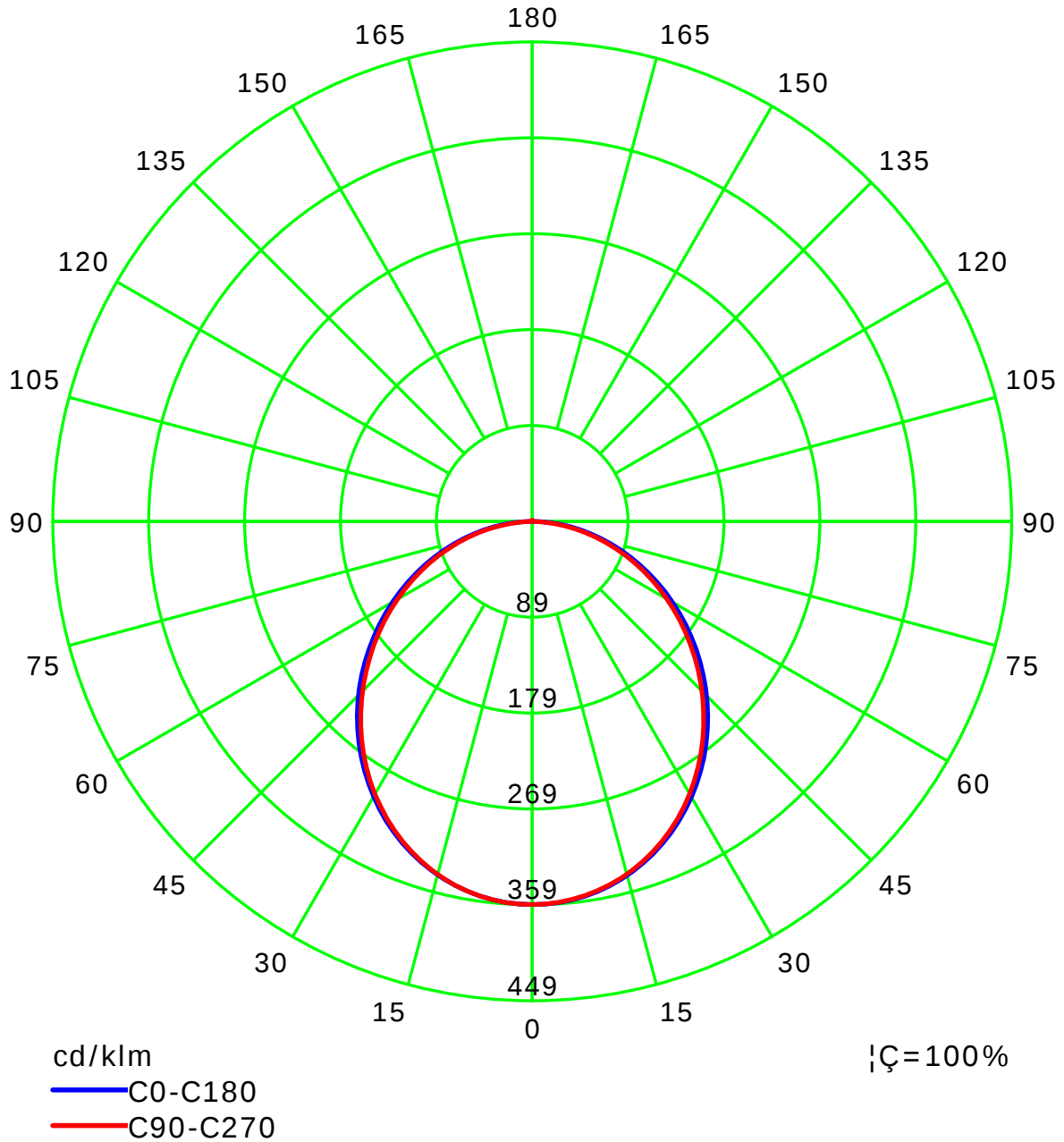
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Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



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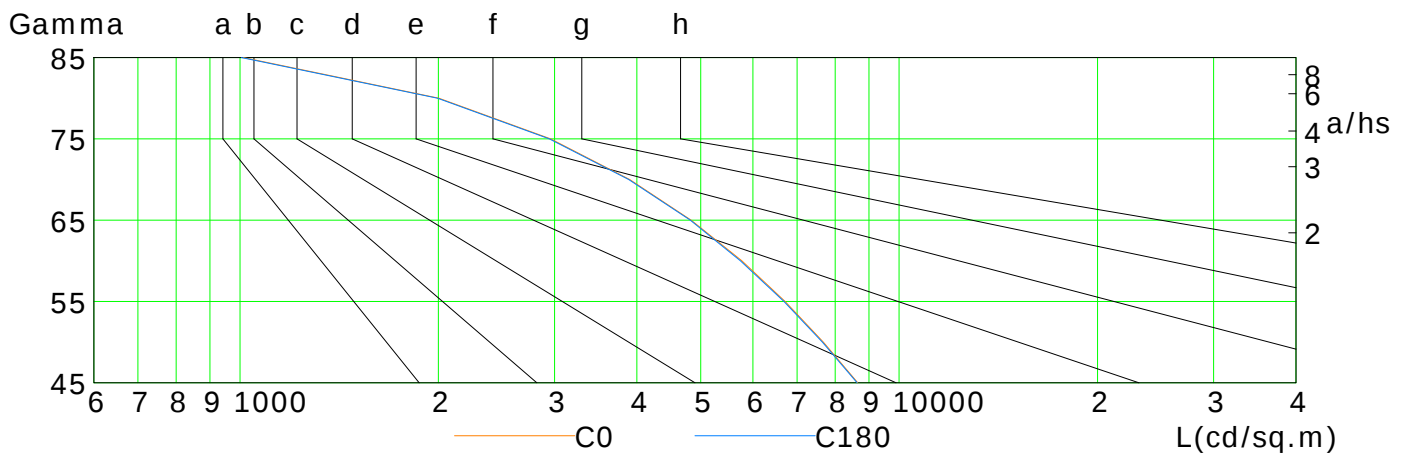
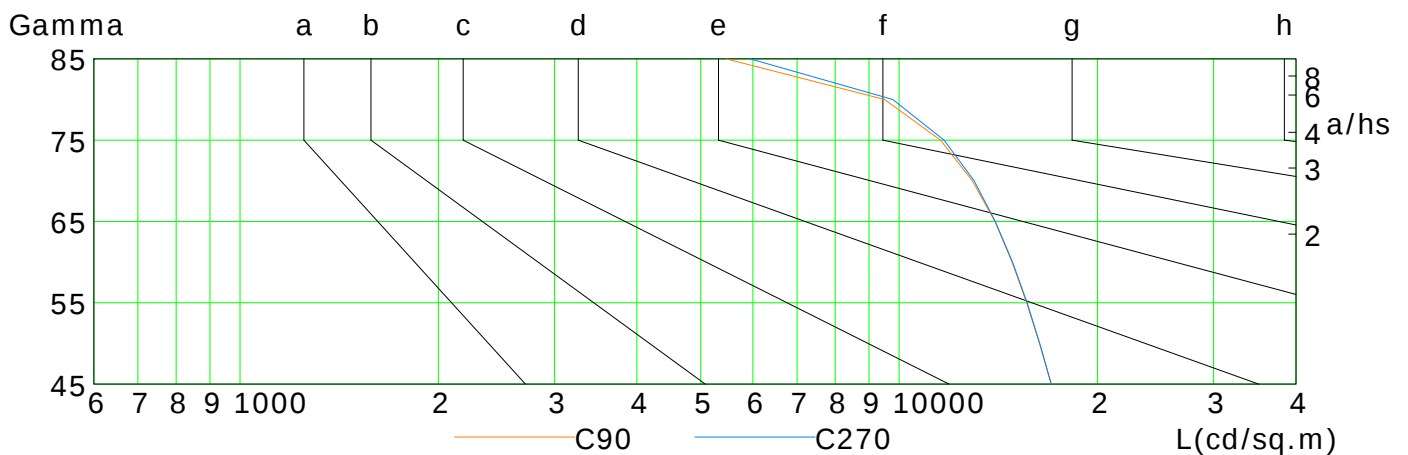
Humidity:

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	8655	7673	6715	5773	4835	3902	2959	2003	1012
C90	17004	16327	15615	14838	13979	12916	11556	9505	5466
C180	8632	7650	6686	5745	4820	3887	2946	1993	1005
C270	17012	16340	15635	14865	13989	12993	11701	9781	5943

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Temperature:

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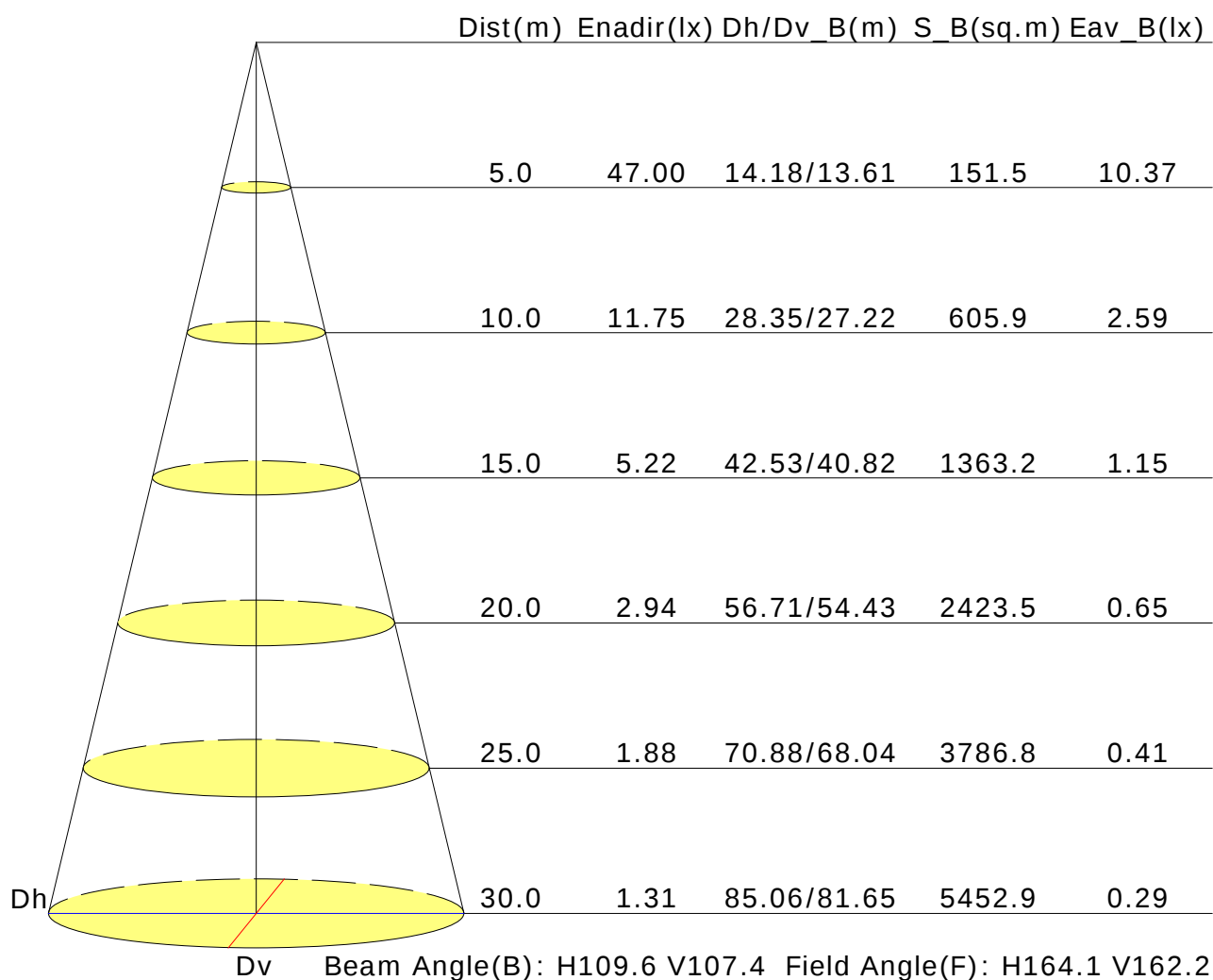
Test Device: LSG-1800B

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	19.3	20.7	19.6	20.9	21.2	20.8	22.2	21.1	22.5	22.7
3H	20.4	21.7	20.8	22.0	22.3	22.3	23.6	22.7	23.9	24.2
4H	20.8	22.0	21.2	22.3	22.6	22.9	24.1	23.3	24.4	24.7
6H	21.1	22.2	21.4	22.5	22.8	23.4	24.5	23.7	24.8	25.1
8H	21.1	22.2	21.5	22.5	22.9	23.5	24.6	23.9	24.9	25.2
12H	21.1	22.2	21.5	22.5	22.9	23.6	24.6	23.9	24.9	25.3
X=4H Y=2H	19.9	21.1	20.3	21.4	21.7	21.2	22.4	21.5	22.7	23.0
3H	21.2	22.2	21.6	22.6	22.9	22.8	23.8	23.2	24.2	24.5
4H	21.7	22.6	22.1	23.0	23.4	23.5	24.4	23.9	24.8	25.2
6H	22.0	22.9	22.5	23.3	23.7	24.0	24.8	24.5	25.2	25.6
8H	22.1	22.9	22.6	23.3	23.7	24.2	25.0	24.6	25.4	25.8
12H	22.2	22.9	22.6	23.3	23.7	24.3	25.0	24.7	25.4	25.8
X=8H Y=4H	22.0	22.7	22.4	23.1	23.5	23.6	24.3	24.0	24.8	25.2
6H	22.4	23.0	22.9	23.4	23.9	24.2	24.8	24.7	25.3	25.7
8H	22.5	23.1	23.0	23.5	24.0	24.4	25.0	24.9	25.4	25.9
12H	22.6	23.1	23.1	23.6	24.1	24.6	25.0	25.1	25.5	26.0
X=12H Y=4H	22.0	22.6	22.4	23.1	23.5	23.6	24.3	24.0	24.7	25.1
6H	22.4	23.0	22.9	23.4	23.9	24.2	24.8	24.7	25.2	25.7
8H	22.6	23.1	23.1	23.5	24.1	24.4	24.9	24.9	25.4	25.9
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.3					+0.1/-0.2				
S=1.5H	+0.4/-0.7					+0.5/-0.6				
S=2.0H	+0.7/-1.2					+1.0/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 3268lm ($8\log(F/F_0) = 4.1$).

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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	0.57	0.67	0.74	0.80	0.87	0.92	0.95	1.00	1.03	
	0.30		0.49	0.59	0.67	0.72	0.81	0.86	0.90	0.96	0.99	
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96	
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.88	0.92	0.96	0.99	
	0.30		0.48	0.58	0.65	0.71	0.78	0.84	0.87	0.93	0.96	
	0.20		0.43	0.53	0.60	0.66	0.74	0.80	0.84	0.89	0.93	
0.30	0.50	0.20	0.54	0.63	0.69	0.74	0.81	0.85	0.88	0.92	0.95	
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.89	0.92	
	0.20		0.42	0.52	0.59	0.65	0.72	0.78	0.82	0.87	0.90	
0.00	0.00	0.00	0.40	0.50	0.56	0.62	0.69	0.74	0.77	0.82	0.85	
Rating:30W 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	0.70	0.62	0.49	0.41	0.35	0.27	0.22	
	0.30		0.83	0.71	0.61	0.54	0.45	0.38	0.32	0.26	0.21	
	0.20		0.71	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	0.33	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	0.19	
0.30	0.50	0.20	0.94	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:30W 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	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	
	0.20		0.05	0.07	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	0.17	
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:30W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												