

Report No.:

Test Time: 26.05.2020 15:27

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60 2x96LED 0,35A 34W 4000K матовый (opal)

Luminous Length (mm): 1500

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 222.0 V

Current: 0.158 A

Power: 34.65 W

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Measurement Flux: 3415.3 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 3415.3 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 165.7, 163.2, 164.3, 164.3

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

Luminaire Efficacy Rating (LER): 98.61

Central Intensity: 1171.59 cd

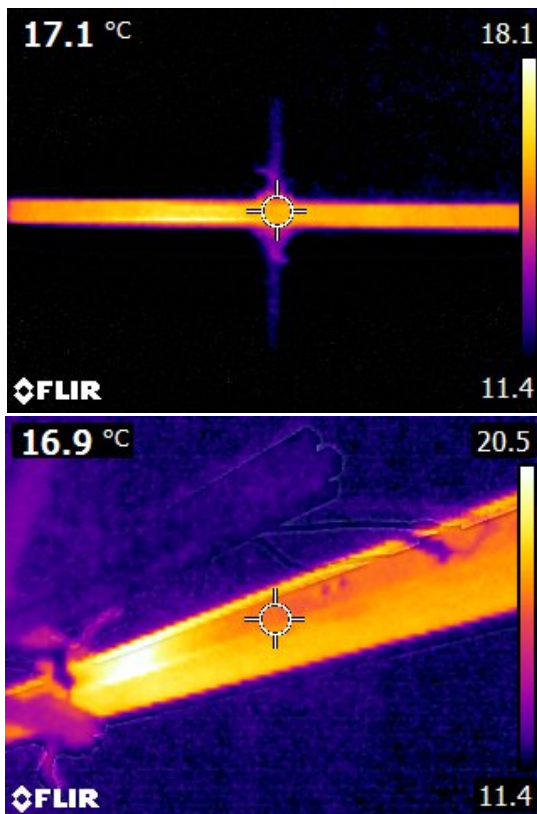
Max. Intensity: 1173.32 cd

Pos of Max. Intensity: H67.5 V2

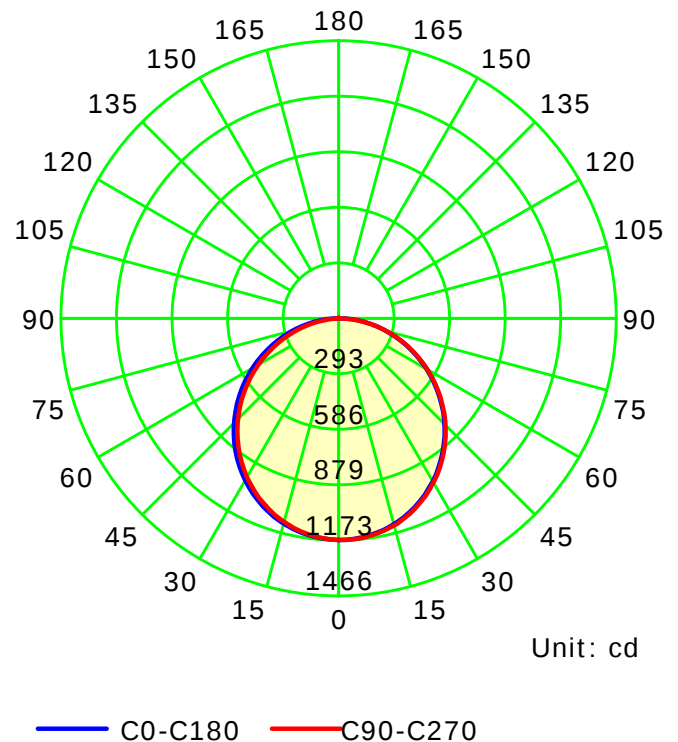
S/MH(C0/C180): 1.26

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

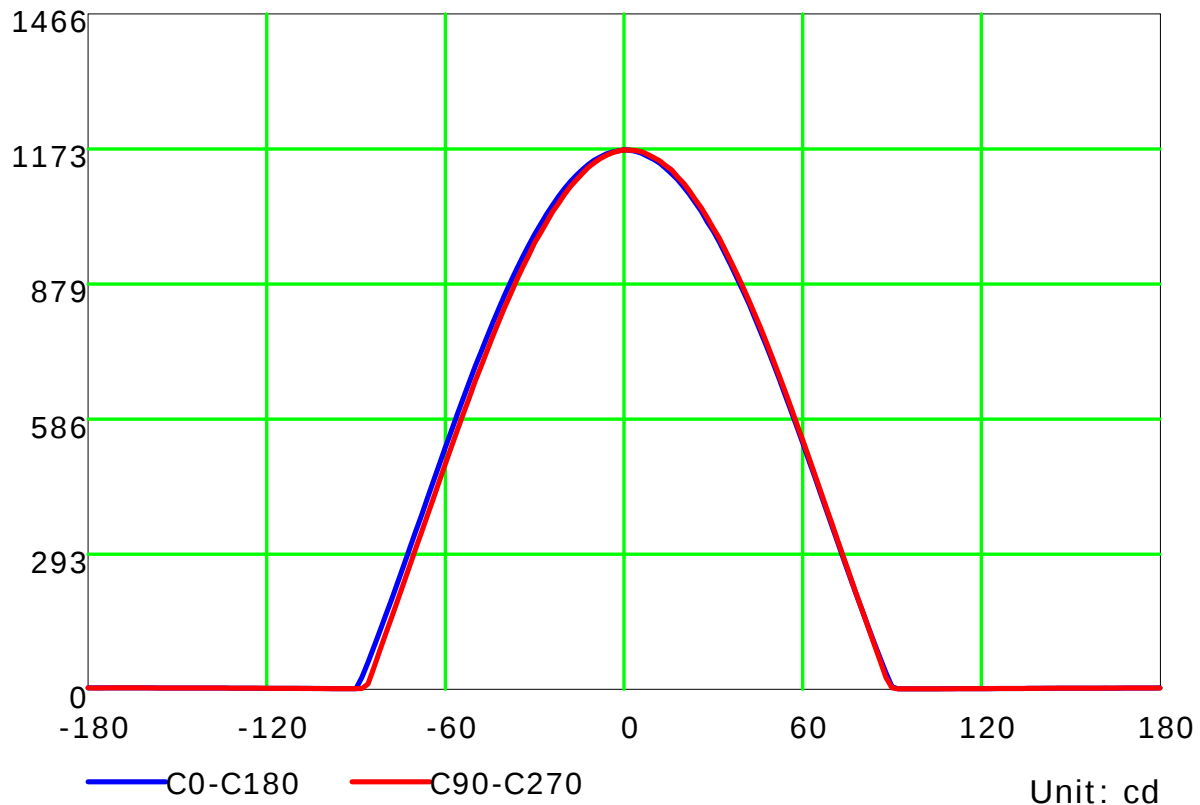
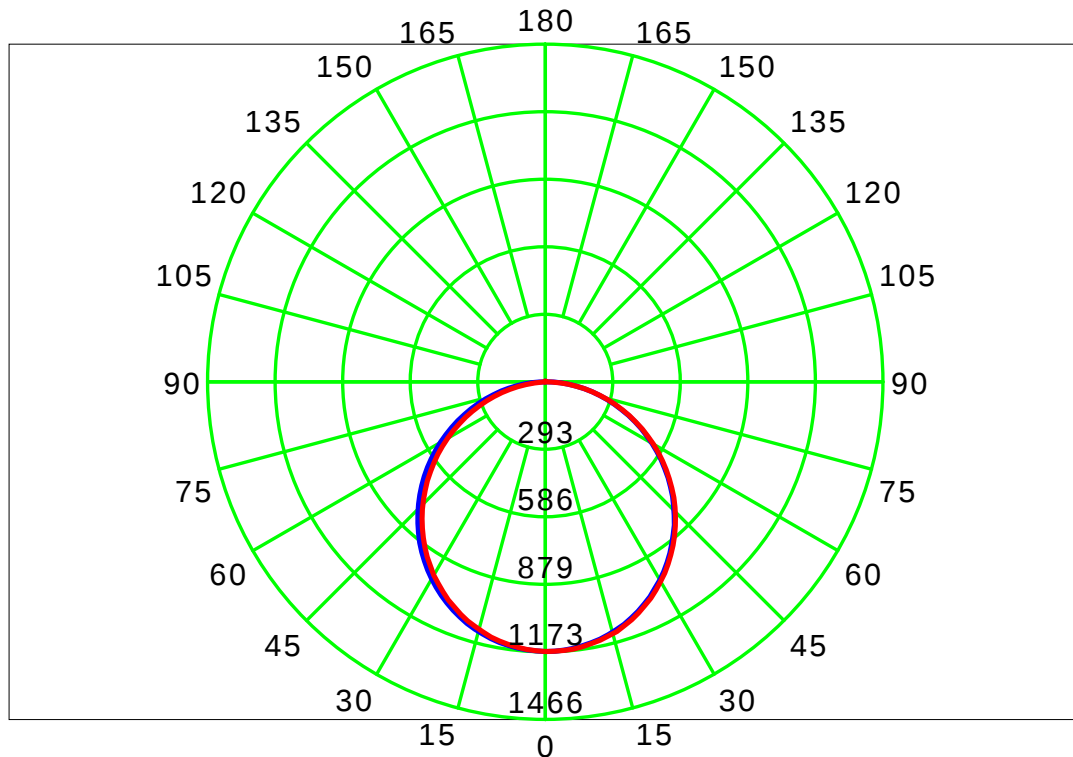
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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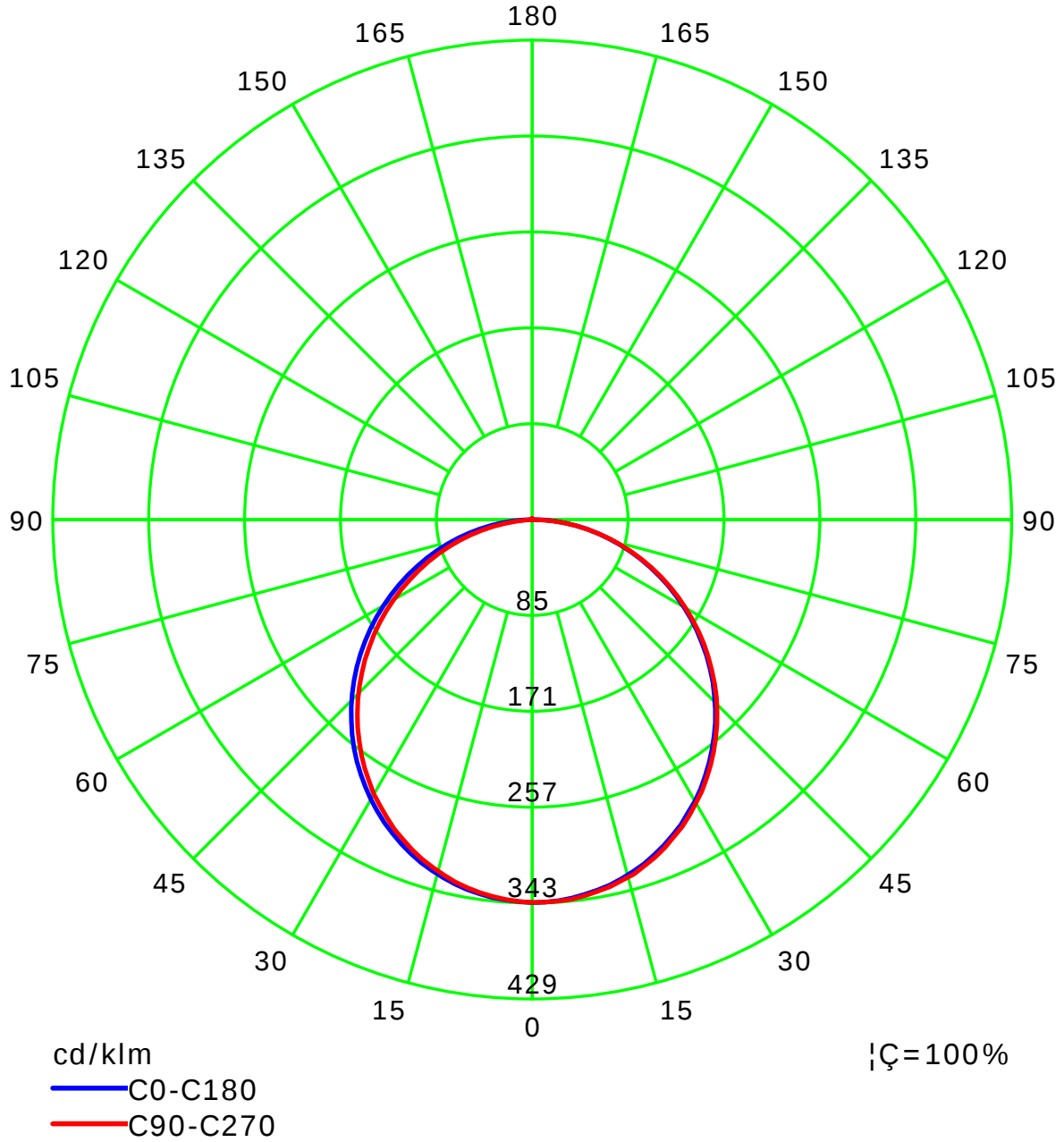
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Humidity:

Inspector:

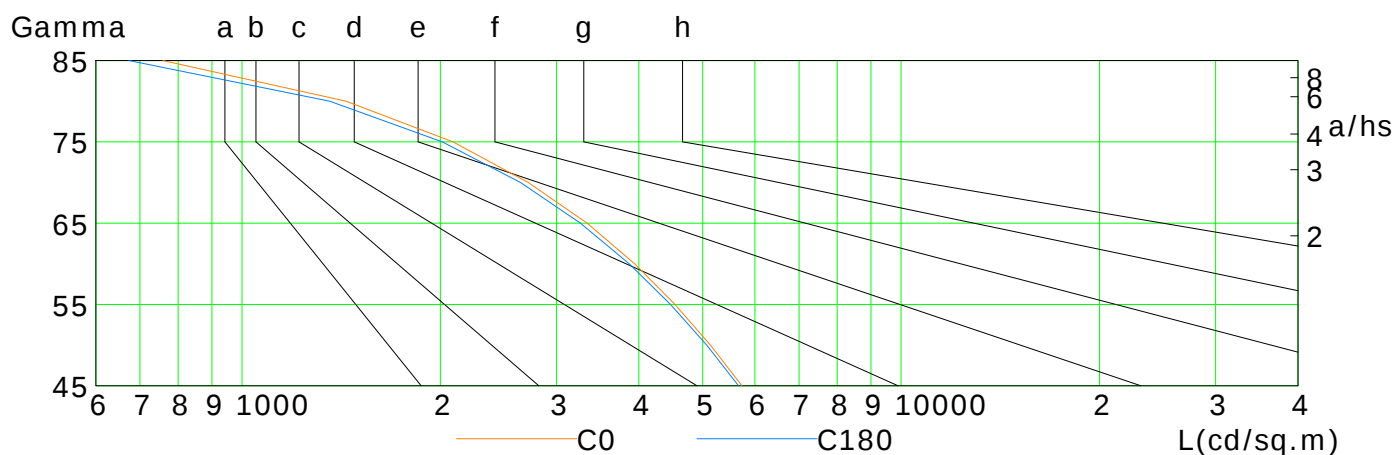
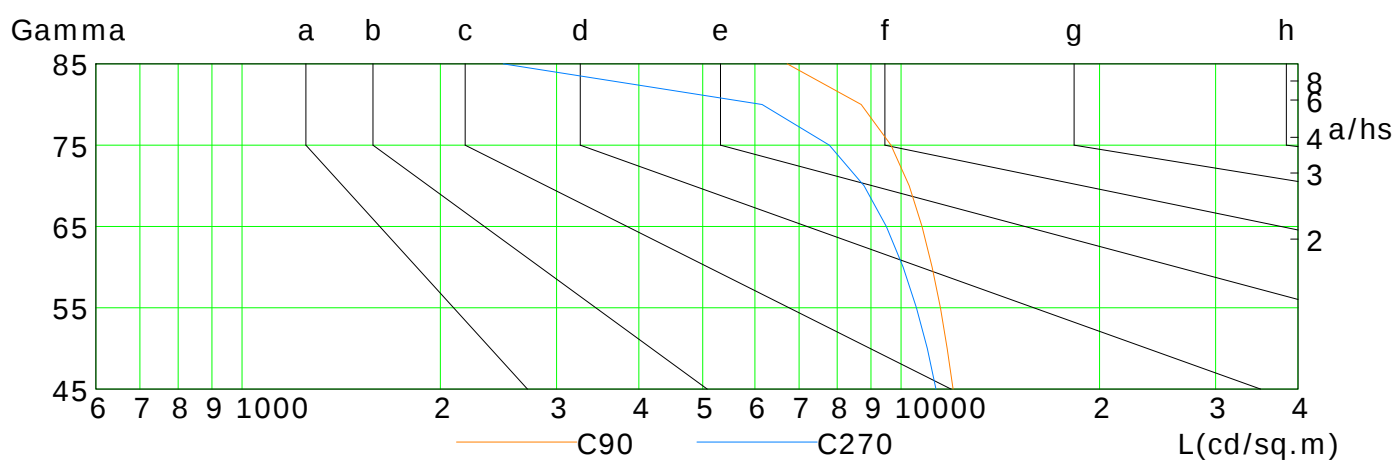
Luminous Intensity Distribution Curve(cd / klm)



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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5733	5136	4538	3942	3339	2719	2090	1439	759
C90	11989	11744	11475	11142	10756	10284	9652	8696	6719
C180	5668	5069	4469	3868	3262	2646	2013	1359	674
C270	11292	10957	10548	10071	9494	8787	7784	6154	2491

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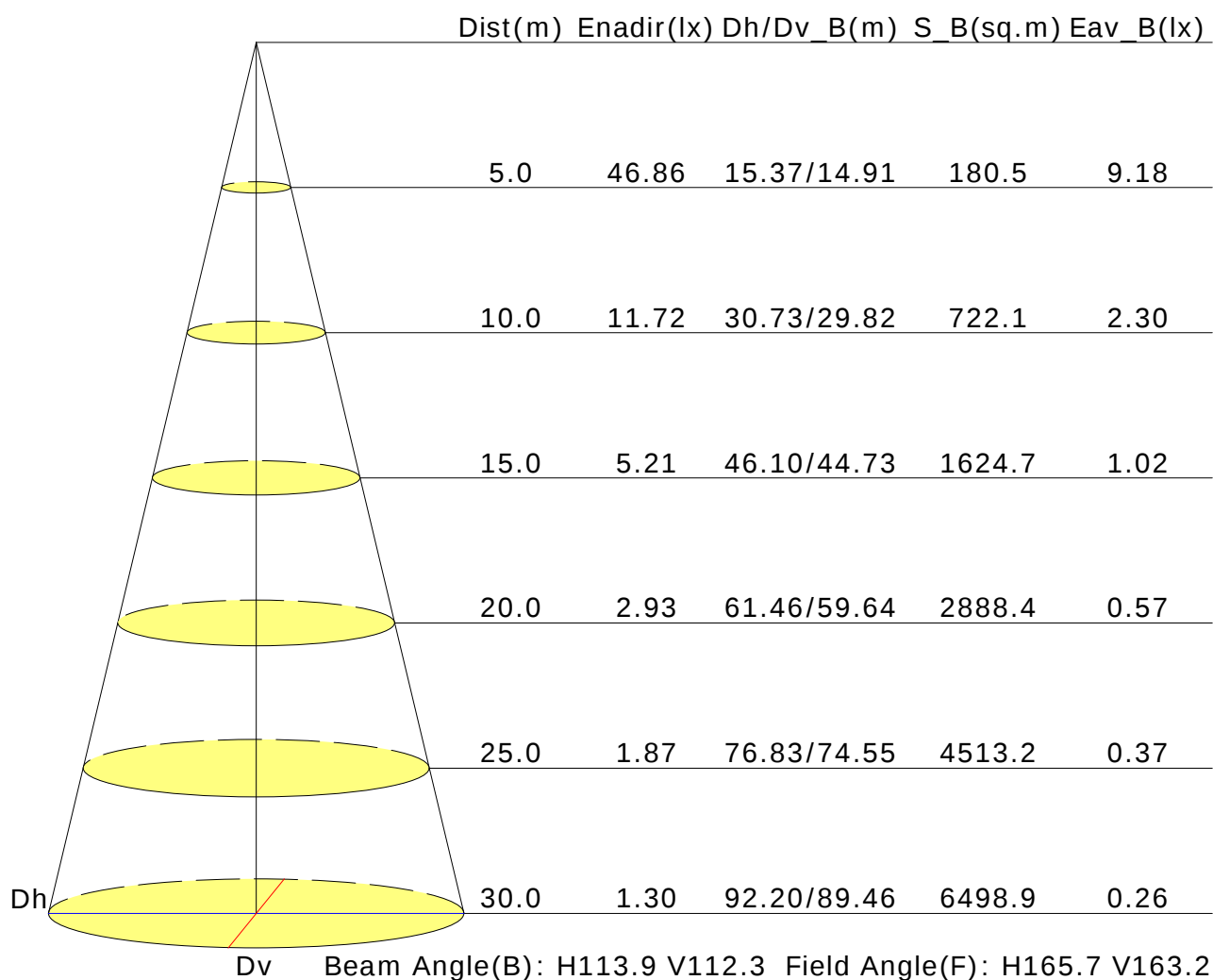
Test Device: LSG-1800B

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	18.0	19.4	18.3	19.7	19.9	19.6	21.1	20.0	21.3	21.5
3H	19.2	20.5	19.5	20.7	21.0	21.2	22.5	21.6	22.8	23.1
4H	19.6	20.8	20.0	21.1	21.4	21.9	23.1	22.2	23.4	23.7
6H	19.9	21.0	20.3	21.3	21.7	22.3	23.5	22.7	23.8	24.1
8H	20.0	21.0	20.3	21.4	21.7	22.5	23.6	22.9	23.9	24.2
12H	20.0	21.0	20.4	21.4	21.7	22.6	23.6	22.9	23.9	24.3
X=4H Y=2H	18.7	19.9	19.0	20.2	20.5	20.0	21.2	20.3	21.5	21.8
3H	20.0	21.0	20.4	21.4	21.7	21.7	22.7	22.1	23.1	23.4
4H	20.5	21.5	20.9	21.8	22.2	22.4	23.4	22.8	23.7	24.1
6H	20.9	21.7	21.3	22.1	22.5	23.0	23.8	23.4	24.2	24.6
8H	21.0	21.8	21.4	22.2	22.6	23.2	23.9	23.6	24.3	24.8
12H	21.1	21.7	21.5	22.2	22.6	23.3	24.0	23.7	24.4	24.9
X=8H Y=4H	20.8	21.6	21.2	22.0	22.4	22.5	23.3	23.0	23.7	24.1
6H	21.3	21.9	21.7	22.3	22.8	23.2	23.8	23.7	24.2	24.7
8H	21.4	22.0	21.9	22.4	22.9	23.4	24.0	23.9	24.4	24.9
12H	21.5	22.0	22.0	22.5	23.0	23.6	24.0	24.1	24.5	25.0
X=12H Y=4H	20.8	21.5	21.3	21.9	22.4	22.5	23.2	23.0	23.6	24.1
6H	21.3	21.9	21.8	22.3	22.8	23.2	23.7	23.7	24.2	24.7
8H	21.5	22.0	22.0	22.4	23.0	23.4	23.9	23.9	24.4	24.9
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.1/-0.1				
S=1.5H	+0.4/-0.7					+0.4/-0.4				
S=2.0H	+0.6/-1.2					+0.9/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 3415lm ($8\log(F/F_0) = 4.3$).

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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	0.84	0.88	0.92	0.94	
	0.30		0.46	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92	
	0.20		0.41	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	0.55	0.61	0.68	0.73	0.77	0.82	0.85	
Rating:35W 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		0.84	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	0.53	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:35W 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	0.21	0.21	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	0.08	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	0.14	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		0.10	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:35W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											