

Report No.:

Test Time: 23.06.2020 20:27

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60/1000 17W 4000K матовый (opal)

Number of Lamps: 1

Luminous Width (mm): 60

Voltage: 222.4 V

Power: 16.96 W

Luminous Length (mm): 950

Luminous Height (mm): 70

Current: 0.081 A

Power Factor: 0.938

Photometric Results

CIE Class: Direct

Measurement Flux: 1749.2 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.9, 163.0, 163.9, 163.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.7, 111.6, 112.1, 112.1

Luminaire Efficacy Rating (LER): 103.19

Max. Intensity: 606.12 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 1749.2 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 605.34 cd

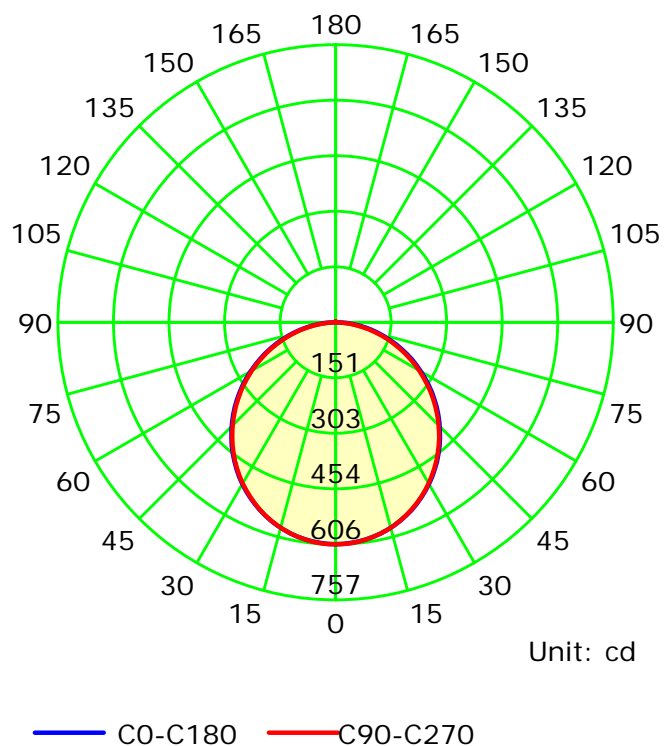
Pos of Max. Intensity: H67.5 V0

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

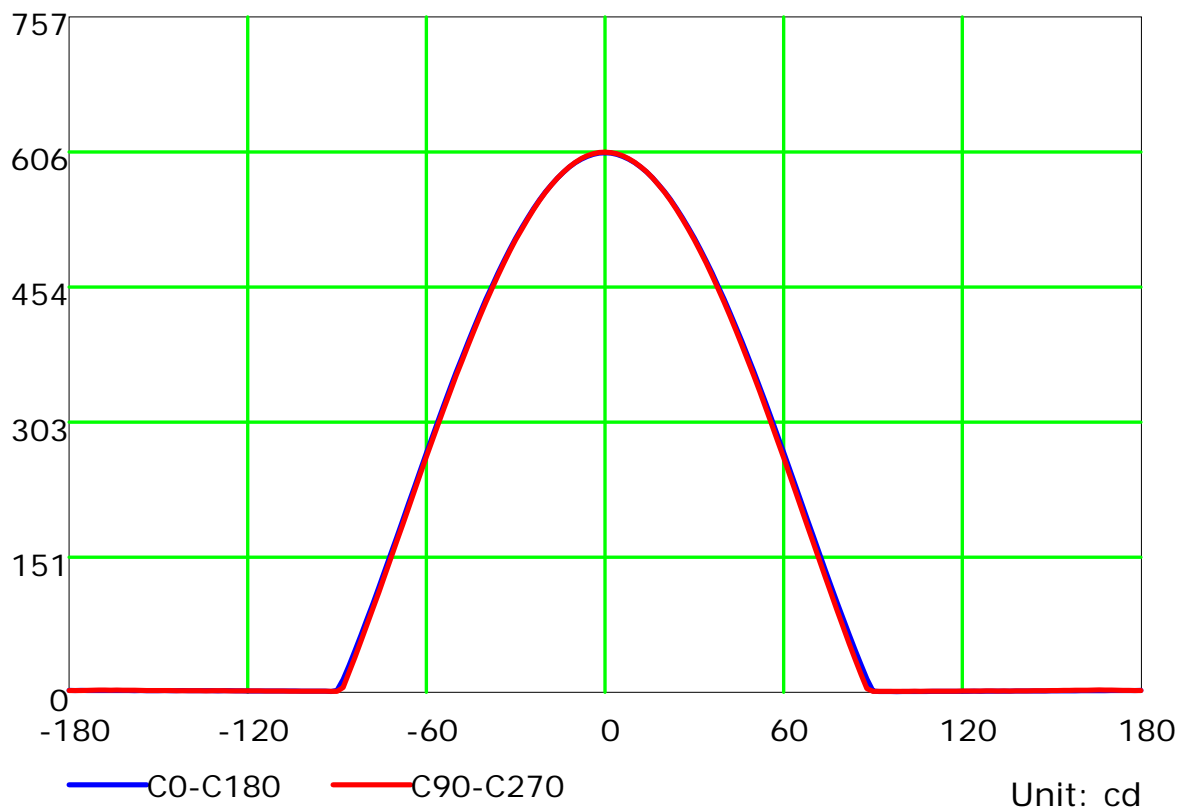
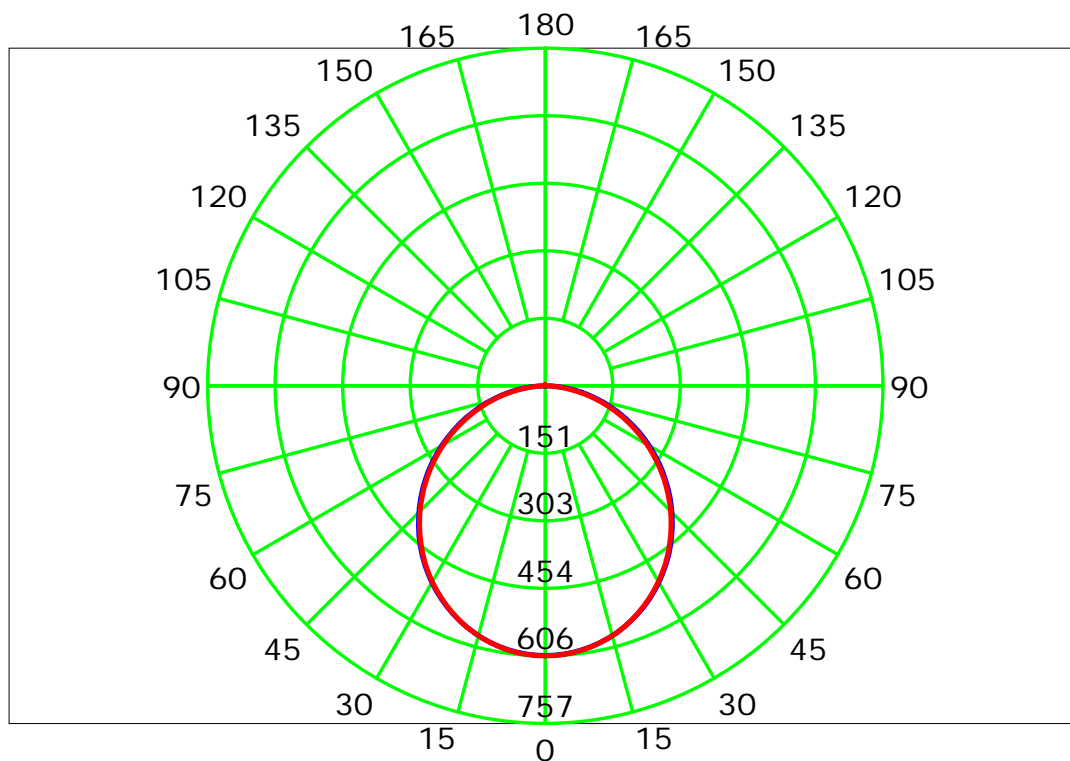
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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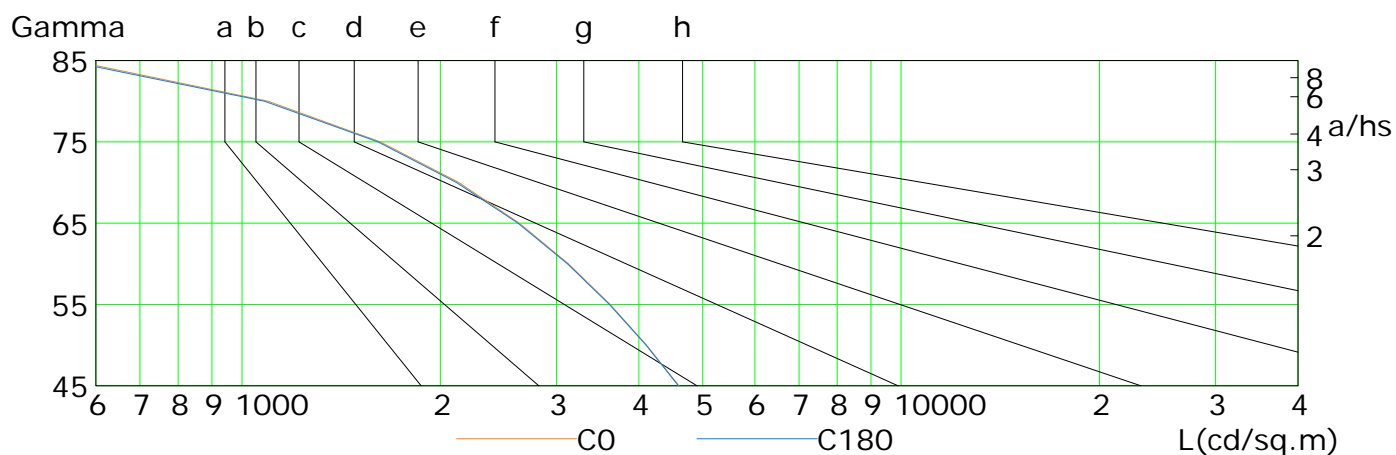
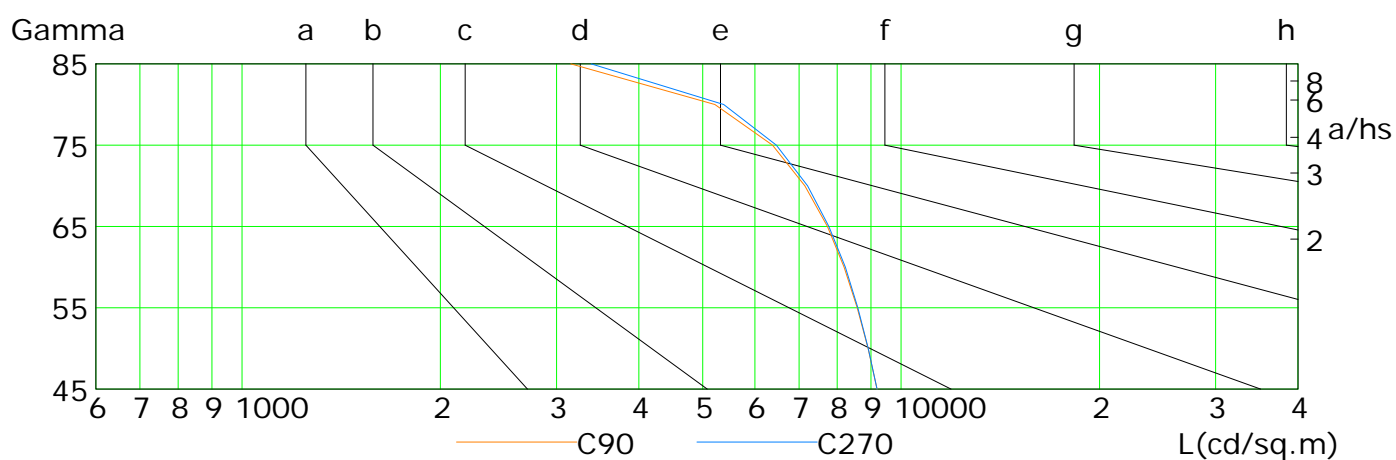
Humidity:

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	4601	4108	3619	3127	2635	2132	1620	1095	553
C90	9191	8909	8578	8194	7730	7142	6382	5217	3153
C180	4594	4101	3609	3117	2622	2115	1608	1081	539
C270	9191	8916	8597	8228	7769	7212	6468	5379	3387

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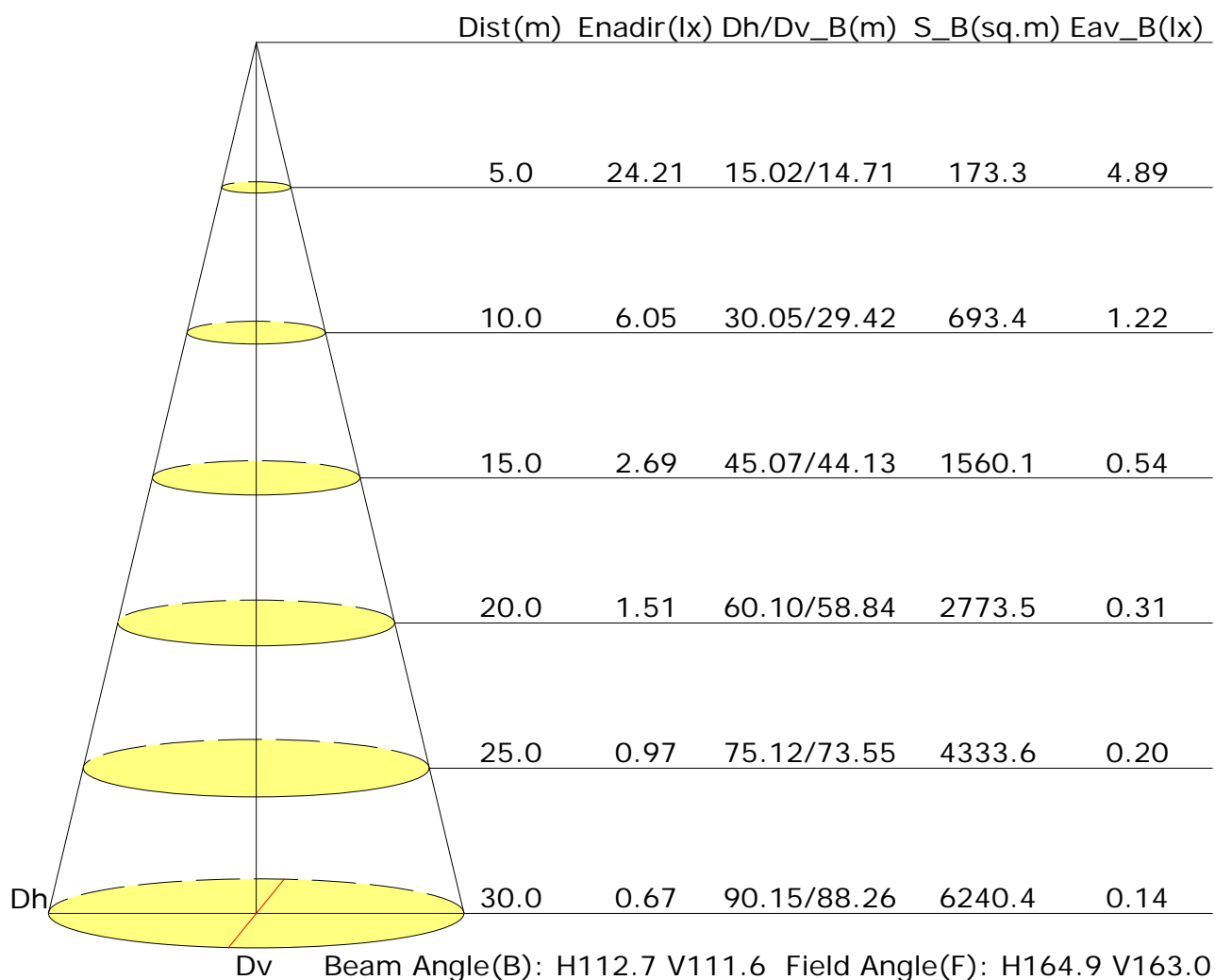
Test Device: LSG-1800B

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	17.2	18.6	17.5	18.8	19.1	18.8	20.2	19.1	20.4	20.7
3H	18.3	19.6	18.7	19.9	20.2	20.3	21.6	20.7	21.9	22.2
4H	18.7	19.9	19.1	20.2	20.6	20.9	22.1	21.3	22.4	22.8
6H	19.0	20.1	19.4	20.4	20.8	21.4	22.5	21.8	22.8	23.2
8H	19.0	20.1	19.4	20.5	20.8	21.5	22.6	21.9	22.9	23.3
12H	19.1	20.1	19.5	20.4	20.8	21.6	22.6	22.0	23.0	23.3
X=4H Y=2H	17.8	19.0	18.2	19.3	19.6	19.1	20.3	19.5	20.6	21.0
3H	19.1	20.2	19.5	20.5	20.9	20.8	21.8	21.2	22.2	22.5
4H	19.7	20.6	20.1	20.9	21.3	21.5	22.4	21.9	22.8	23.2
6H	20.0	20.8	20.4	21.2	21.6	22.0	22.9	22.5	23.3	23.7
8H	20.1	20.8	20.5	21.3	21.7	22.2	23.0	22.7	23.4	23.8
12H	20.1	20.8	20.6	21.2	21.7	22.3	23.0	22.8	23.4	23.9
X=8H Y=4H	19.9	20.7	20.3	21.1	21.5	21.6	22.4	22.1	22.8	23.2
6H	20.4	21.0	20.8	21.4	21.9	22.2	22.8	22.7	23.3	23.8
8H	20.5	21.0	21.0	21.5	22.0	22.4	23.0	22.9	23.4	23.9
12H	20.6	21.1	21.1	21.5	22.0	22.6	23.0	23.1	23.5	24.0
X=12H Y=4H	19.9	20.6	20.4	21.0	21.5	21.6	22.3	22.1	22.7	23.2
6H	20.4	20.9	20.9	21.4	21.9	22.2	22.8	22.7	23.2	23.7
8H	20.6	21.0	21.1	21.5	22.0	22.5	22.9	23.0	23.4	23.9
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					+0.5/-0.5				
S=2.0H	+0.6/-1.2					+1.0/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 1749Im ($8\log(F/F_0) = 1.9$).

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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	0.92	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	0.53	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	0.96	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	0.94	
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92	
	0.20		0.41	0.51	0.59	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: 17W 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	0.71	0.62	0.50	0.41	0.36	0.28	0.23	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.22	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.20	
0.50	0.50	0.20	0.97	0.80	0.68	0.60	0.48	0.43	0.34	0.26	0.21	
	0.30		0.82	0.70	0.60	0.53	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.62	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.94	0.77	0.66	0.57	0.46	0.38	0.32	0.25	0.21	
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.71	0.61	0.53	0.47	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	0.26	0.23	0.18	0.15	
Rating: 17W 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	0.22	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	0.08	0.09	0.12	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.21	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	0.08	0.09	0.11	0.13	0.14	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.18	
	0.20		0.05	0.07	0.08	0.09	0.11	0.12	0.14	0.15	0.16	
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: 17W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												