

Report No.:

Test Time: 25.06.2020 12:15

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60/1000 31W 4000K матовый (opal) DALI

Luminous Length (mm): 950

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 221.3 V

Current: 0.143 A

Power: 30.39 W

Power Factor: 0.958

Photometric Results

CIE Class: Direct

Measurement Flux: 2983.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2983.6 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 165.0, 162.8, 163.7, 163.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.8, 111.7, 112.2, 112.3

Luminaire Efficacy Rating (LER): 98.23

Central Intensity: 1032.67 cd

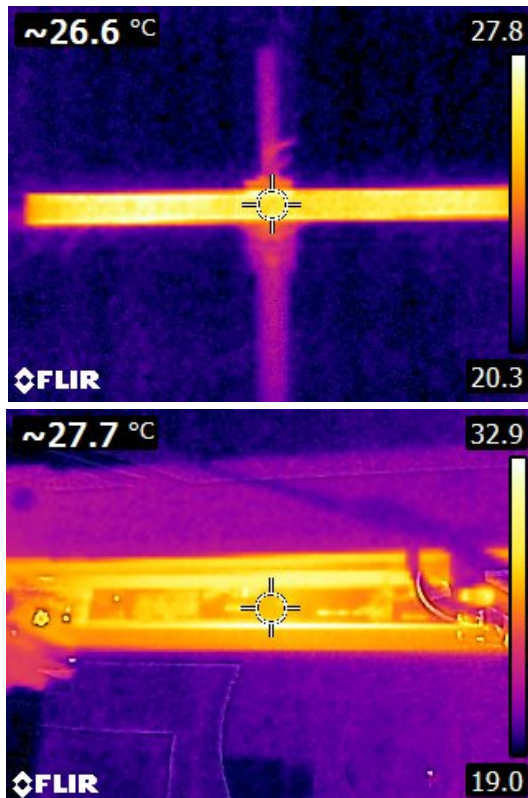
Max. Intensity: 1034.29 cd

Pos of Max. Intensity: H67.5 V0

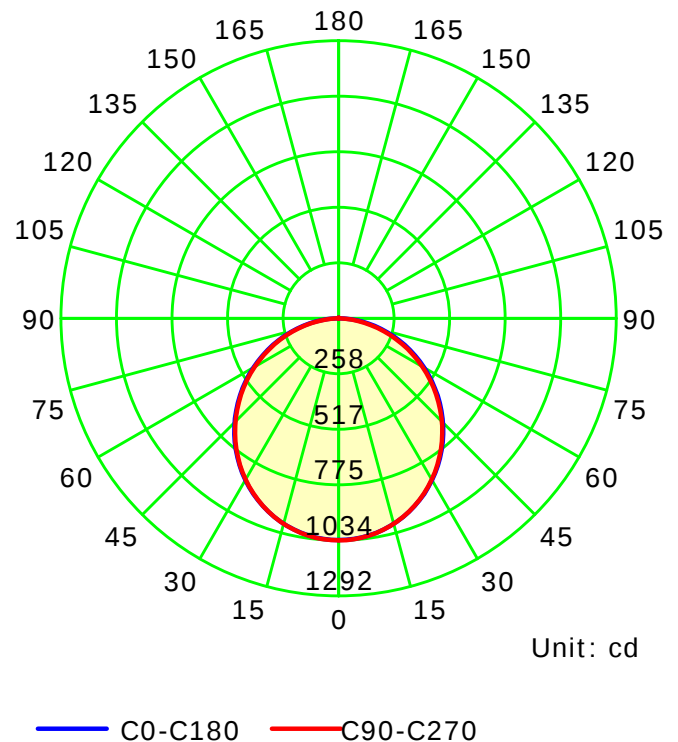
S/MH(C0/C180): 1.25

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

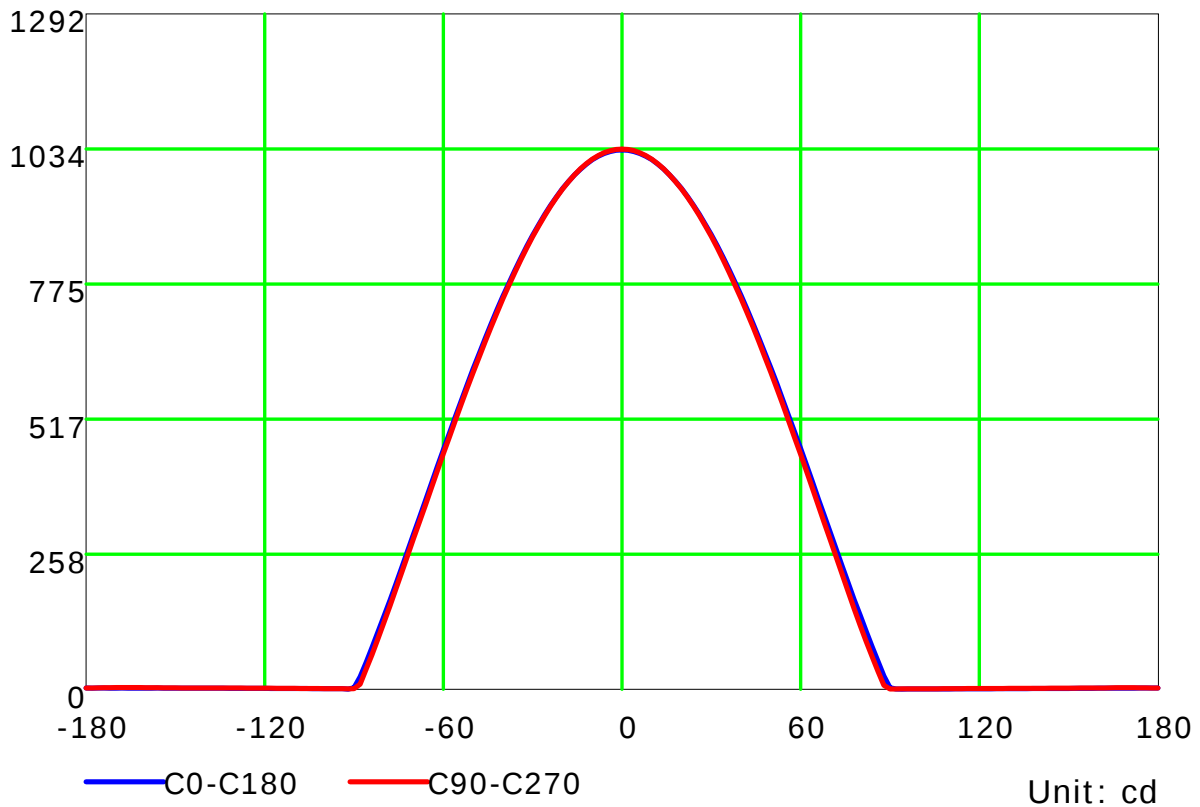
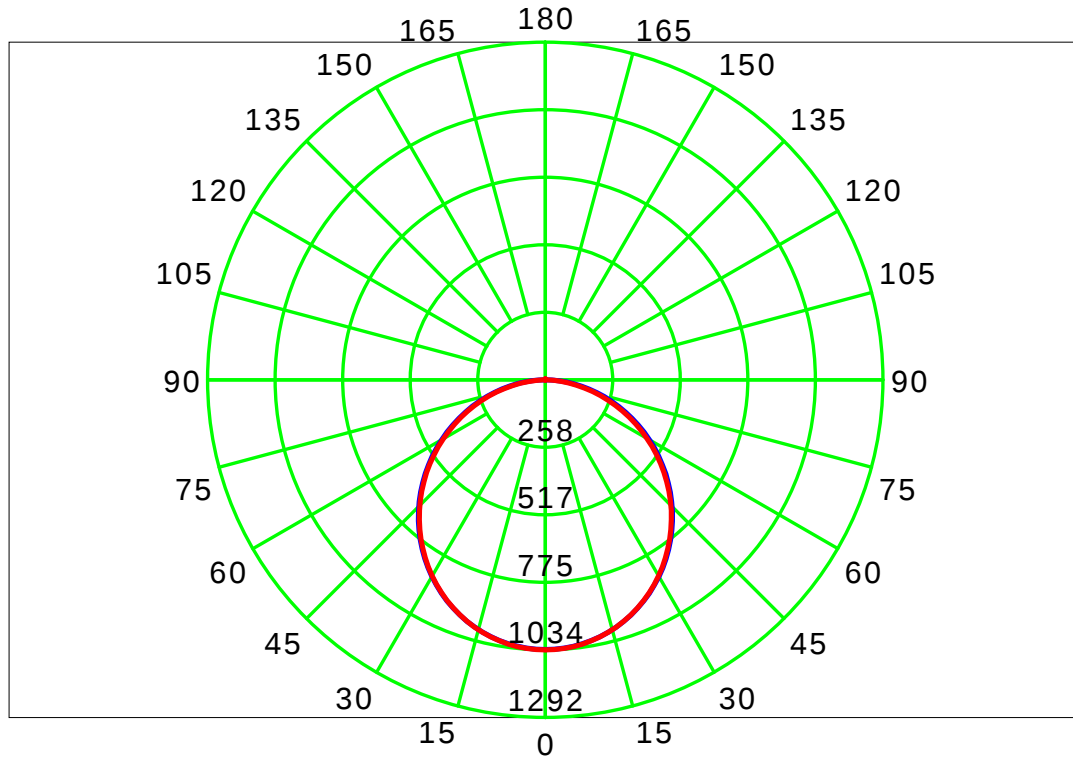
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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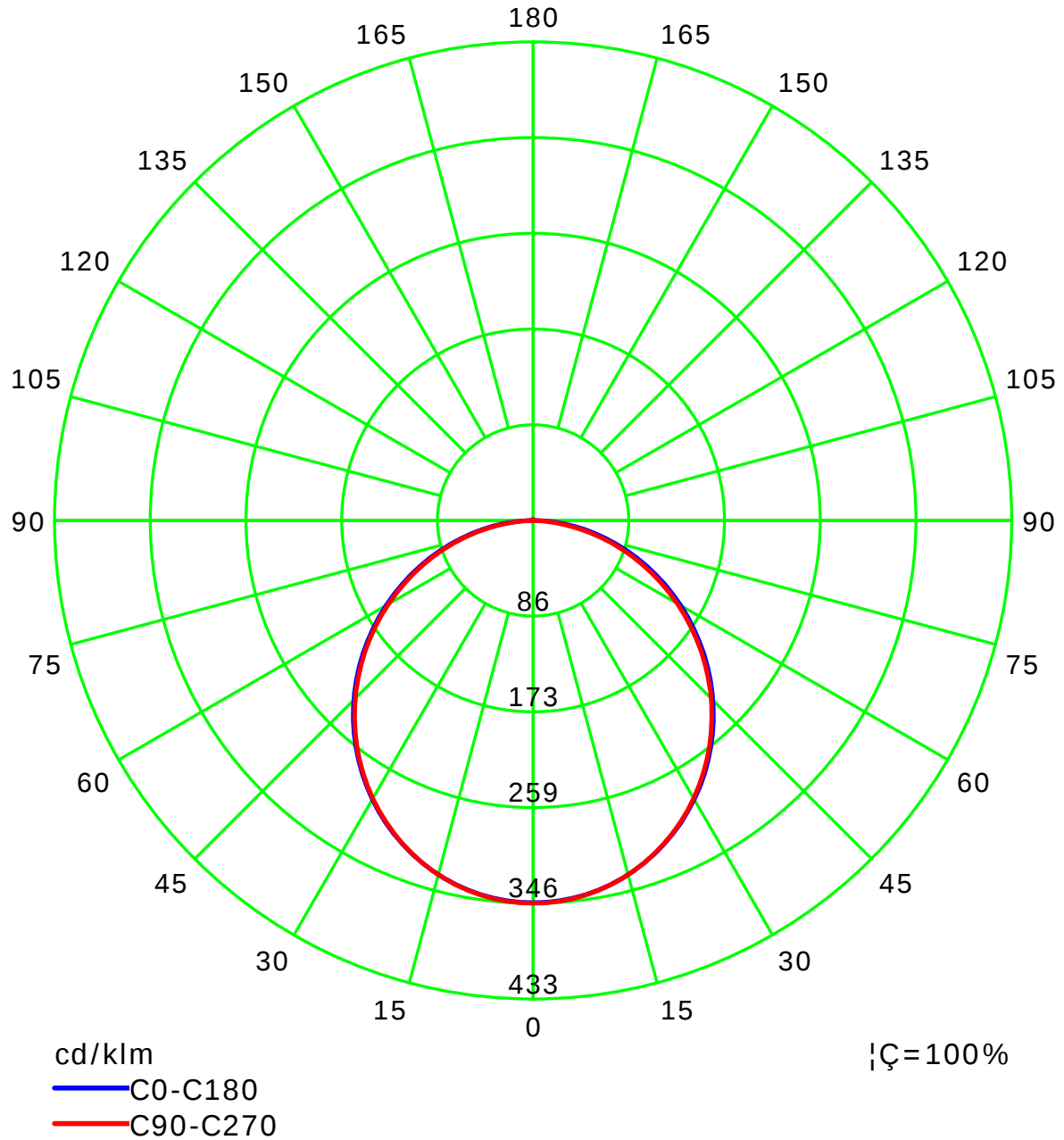
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Inspector:

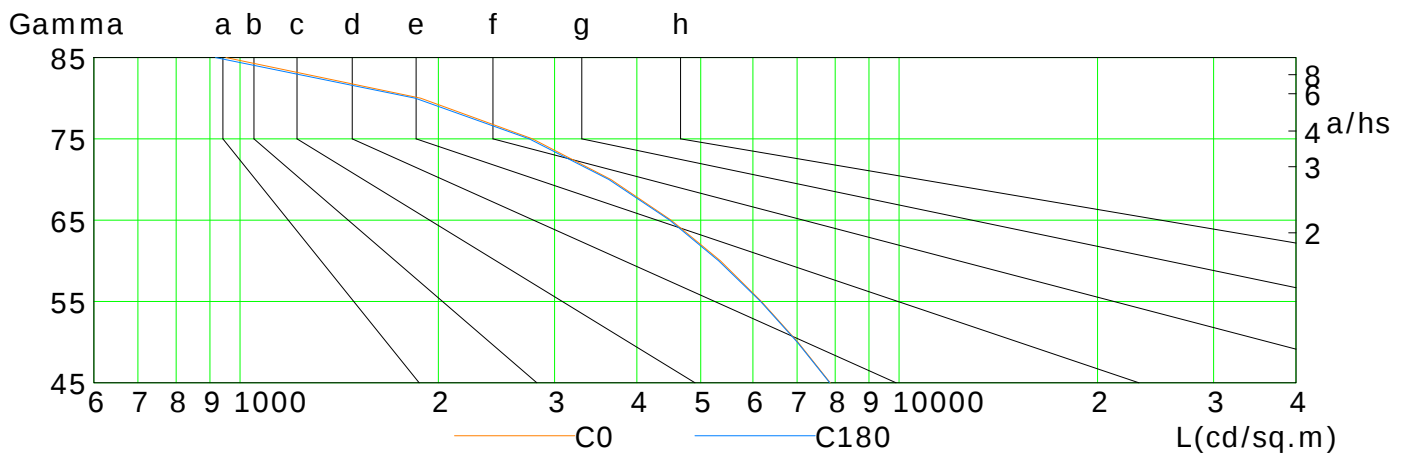
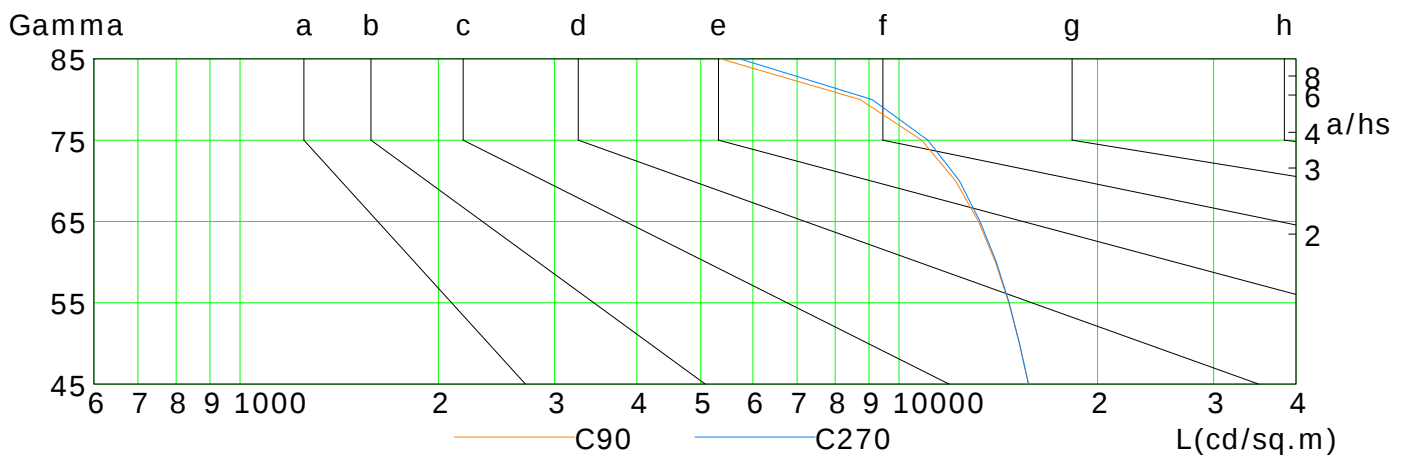
Luminous Intensity Distribution Curve(cd / klm)



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	7862	7021	6182	5355	4508	3653	2778	1880	952
C90	15715	15226	14662	13995	13196	12177	10815	8724	5361
C180	7848	7004	6163	5325	4485	3627	2748	1845	918
C270	15704	15224	14688	14045	13269	12341	11053	9094	5732

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Temperature:

Operator:

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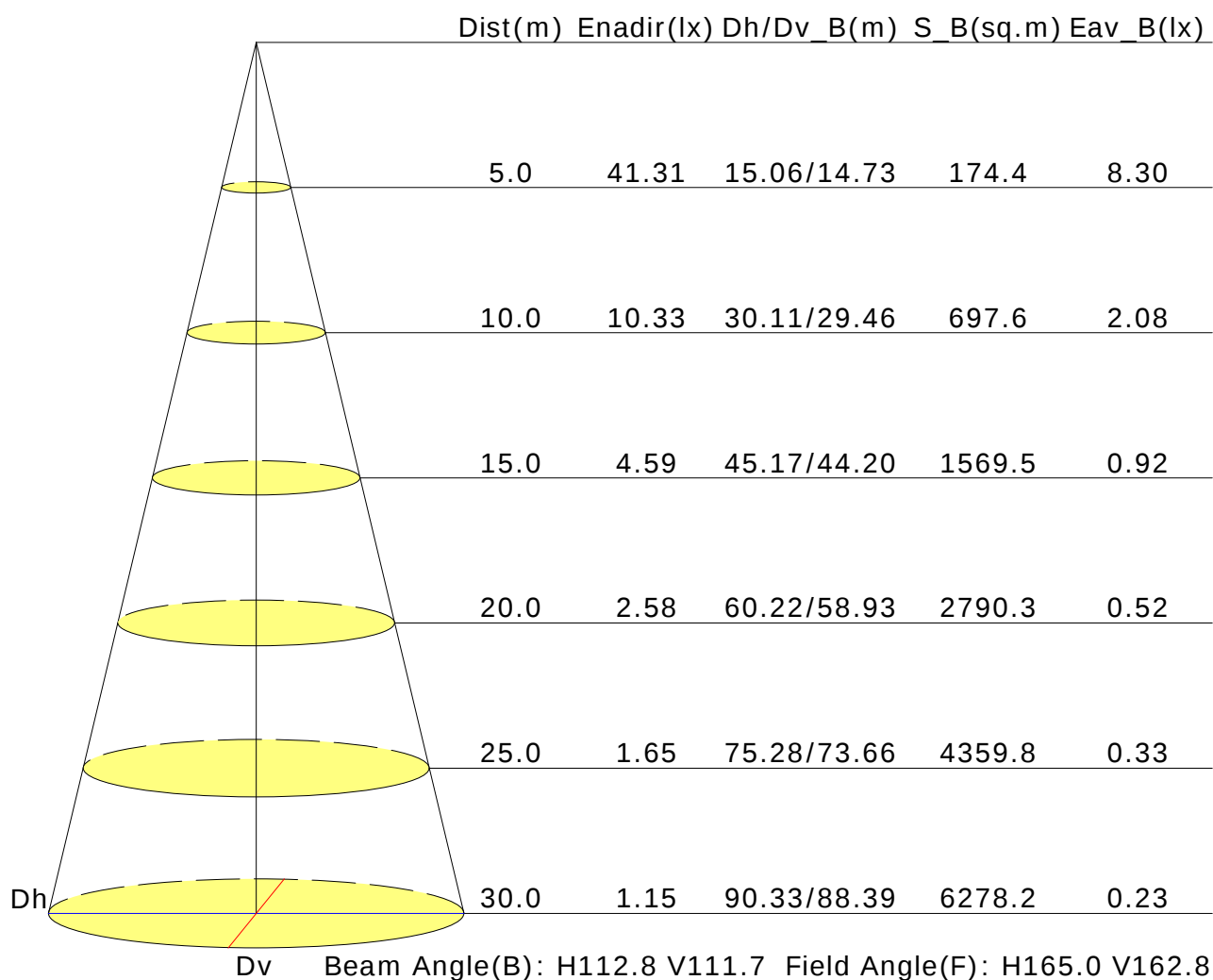
Test Device: LSG-1800B

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	19.1	20.5	19.4	20.7	21.0	20.7	22.1	21.0	22.3	22.6
3H	20.2	21.5	20.5	21.8	22.0	22.2	23.5	22.5	23.8	24.0
4H	20.6	21.8	21.0	22.1	22.4	22.8	24.0	23.2	24.3	24.6
6H	20.9	22.0	21.2	22.3	22.6	23.2	24.4	23.6	24.7	25.0
8H	20.9	22.0	21.3	22.3	22.7	23.4	24.5	23.7	24.8	25.1
12H	20.9	22.0	21.3	22.3	22.7	23.4	24.5	23.8	24.8	25.2
X=4H Y=2H	19.7	20.9	20.1	21.2	21.5	21.0	22.2	21.4	22.5	22.8
3H	21.0	22.1	21.4	22.4	22.7	22.7	23.7	23.1	24.1	24.4
4H	21.5	22.5	21.9	22.8	23.2	23.4	24.3	23.8	24.7	25.1
6H	21.9	22.7	22.3	23.1	23.5	23.9	24.7	24.3	25.1	25.5
8H	22.0	22.7	22.4	23.1	23.6	24.1	24.8	24.5	25.2	25.7
12H	22.0	22.7	22.5	23.1	23.6	24.2	24.8	24.6	25.3	25.7
X=8H Y=4H	21.8	22.5	22.2	22.9	23.4	23.5	24.2	23.9	24.6	25.1
6H	22.2	22.8	22.7	23.3	23.8	24.1	24.7	24.6	25.1	25.6
8H	22.4	22.9	22.9	23.4	23.9	24.3	24.8	24.8	25.3	25.8
12H	22.4	22.9	22.9	23.4	23.9	24.4	24.9	24.9	25.4	25.9
X=12H Y=4H	21.8	22.5	22.2	22.9	23.4	23.5	24.2	23.9	24.6	25.0
6H	22.3	22.8	22.7	23.3	23.8	24.1	24.6	24.6	25.1	25.6
8H	22.4	22.9	22.9	23.4	23.9	24.3	24.8	24.8	25.3	25.8
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 2984lm ($8\log(F/F_0) = 3.8$).

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Temperature:

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Gamma Plane (°):0.0-180.0:2.0

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	0.92	0.95	1.00	1.03	
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.96	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	0.99	
	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	0.59	0.65	0.73	0.79	0.83	0.89	0.93	
0.30	0.50	0.20	0.53	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.95	
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92	
	0.20		0.42	0.51	0.59	0.64	0.72	0.77	0.81	0.86	0.90	
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: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	1.01	0.84	0.71	0.62	0.50	0.41	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	0.62	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		0.72	0.62	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.95	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	0.48	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: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	0.20	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:30W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												