

Report No.:

Test Time: 22.06.2020 23:48

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 60/1000 30W 4000K микропризма 1-10

Luminous Length (mm): 950

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 221.5 V

Current: 0.143 A

Power: 30.26 W

Power Factor: 0.949

Photometric Results

CIE Class: Direct

Measurement Flux: 3523.2 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 3523.2 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.9, 159.5, 147.1, 147.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 76.5, 74.4, 73.0, 73.6

Luminaire Efficacy Rating (LER): 116.48

Central Intensity: 1918.64 cd

Max. Intensity: 1920.78 cd

Pos of Max. Intensity: H67.5 V0

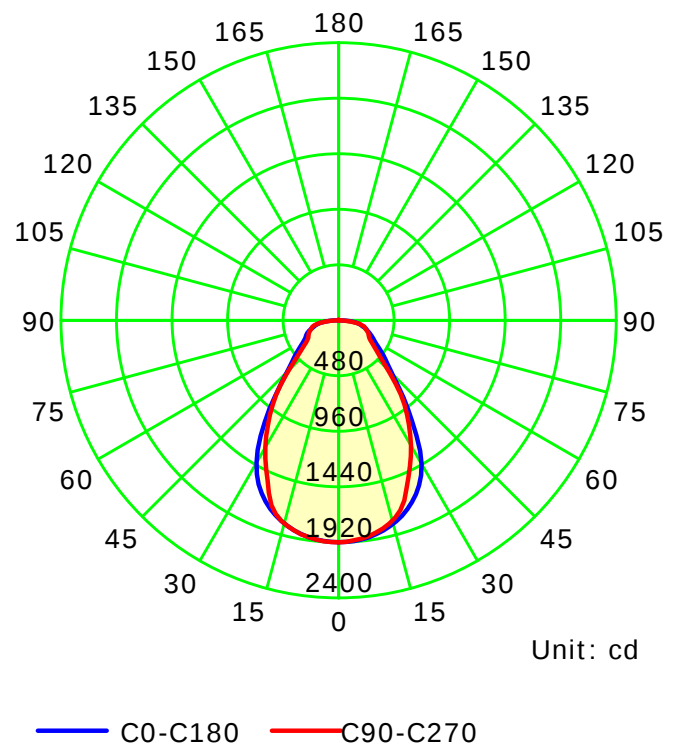
S/MH(C0/C180): 1.13

S/MH(C90/C270): 1.03

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

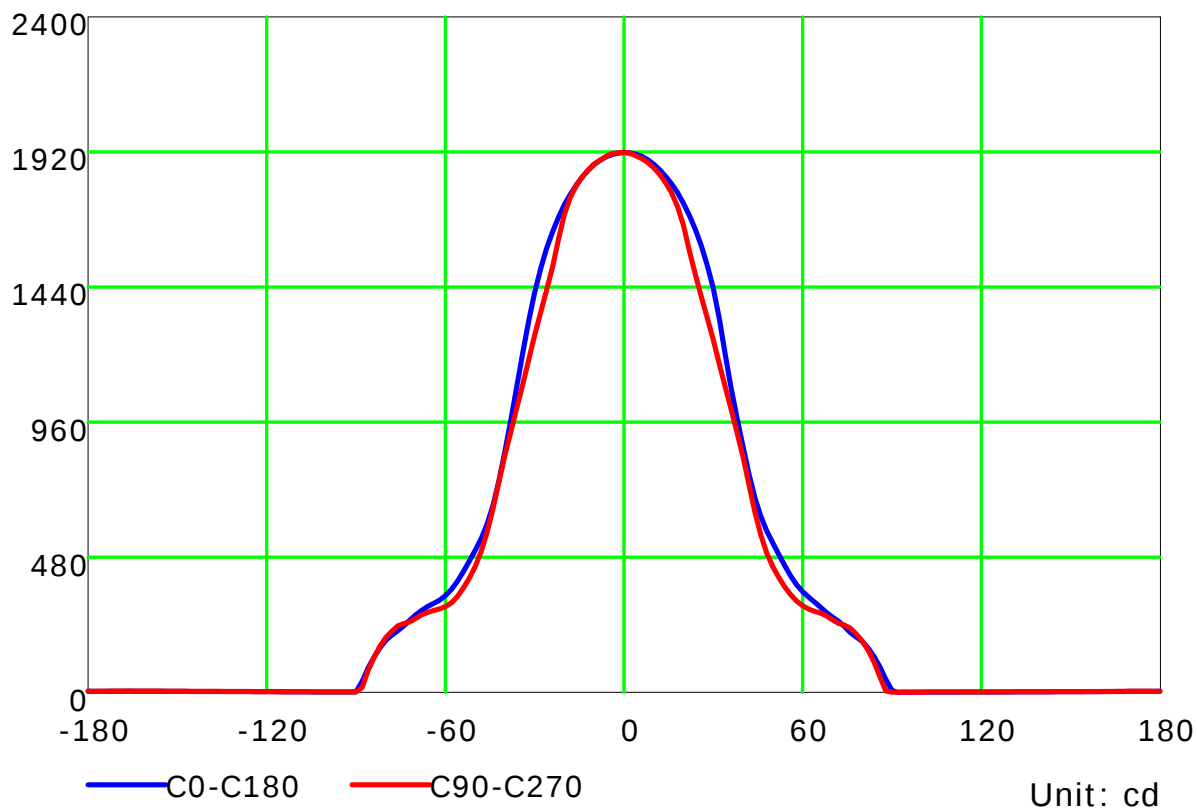
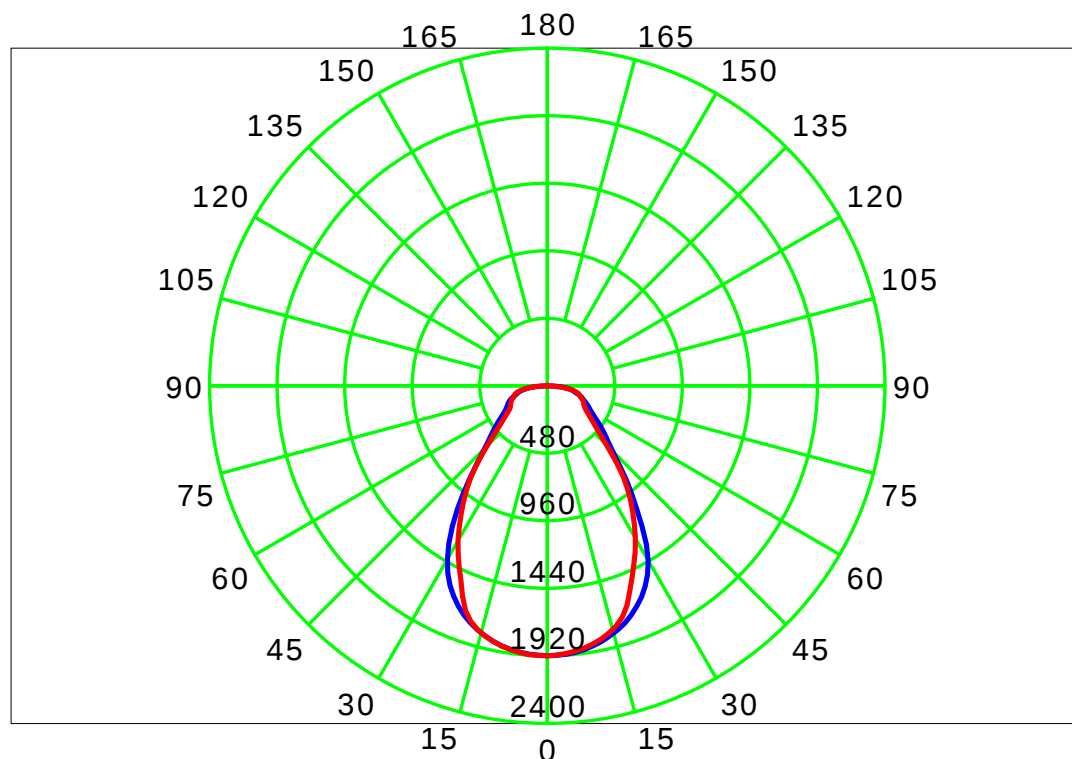
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 22.5

Test Lab:

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Temperature:

Operator:

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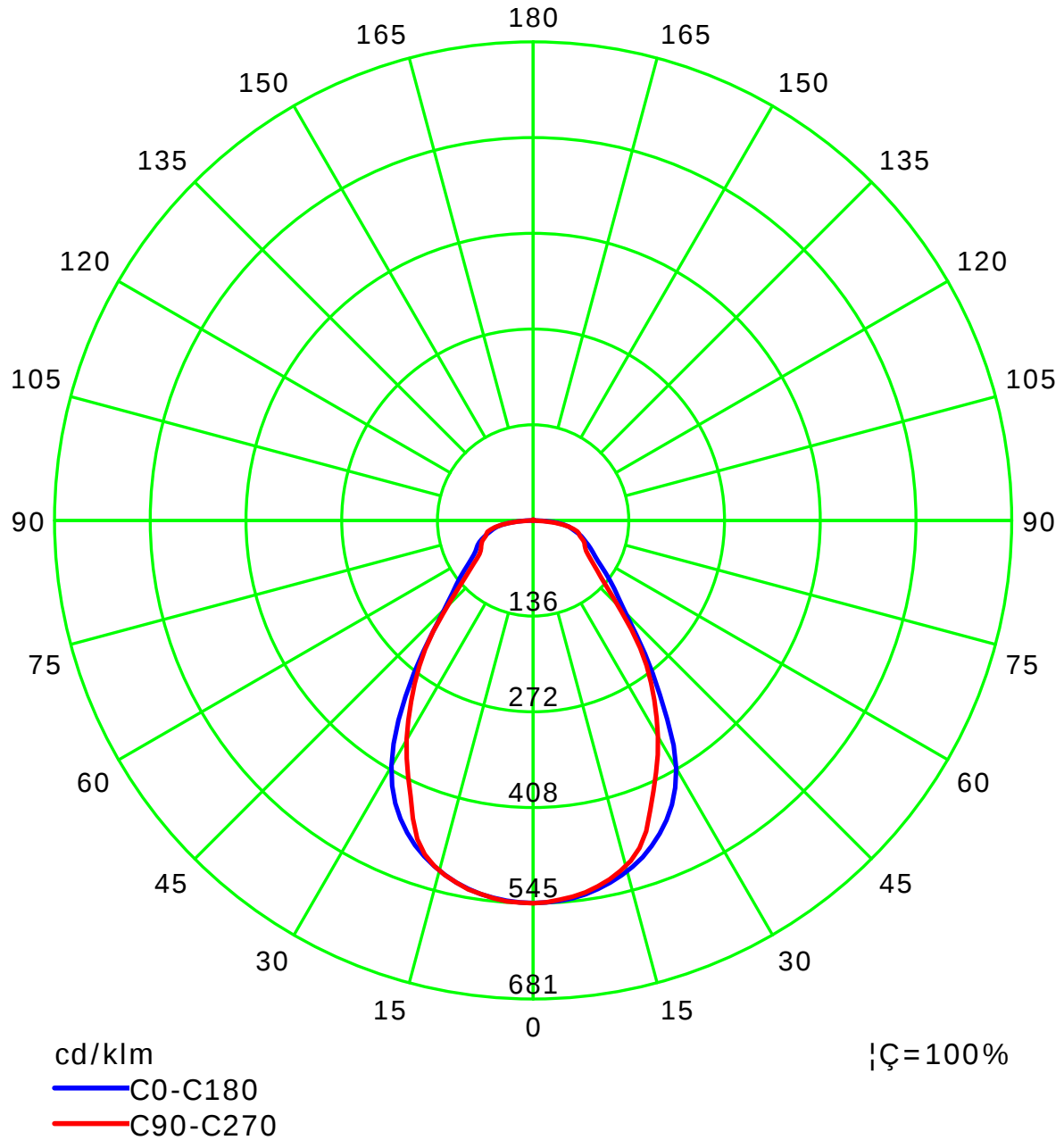
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°): 0.0-360.0: 22.5

Test Lab:

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Temperature:

Operator:

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Test Device: LSG-1800B

Distance: 12.677 m

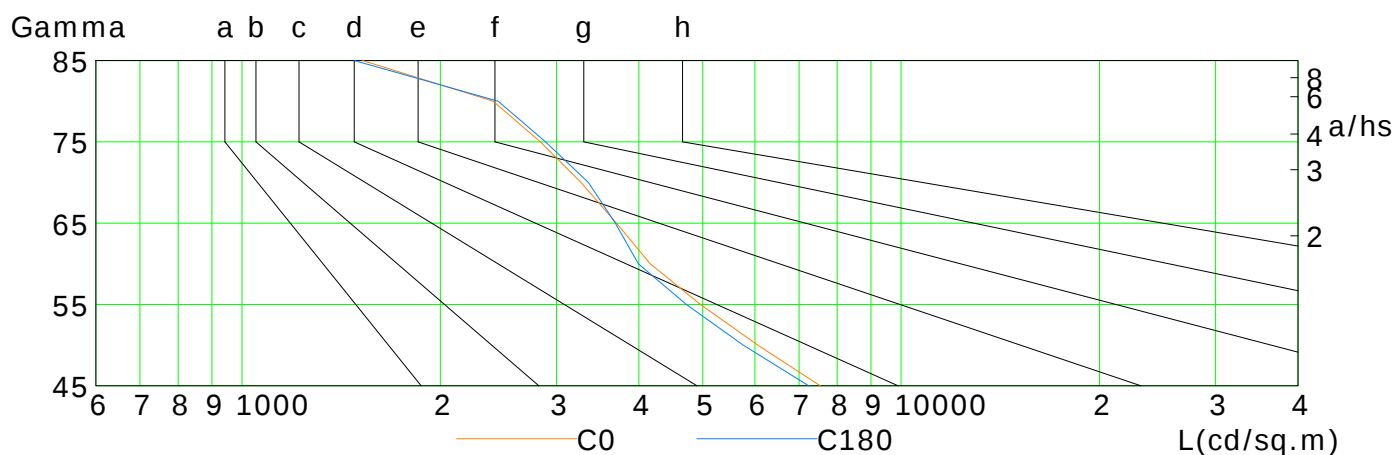
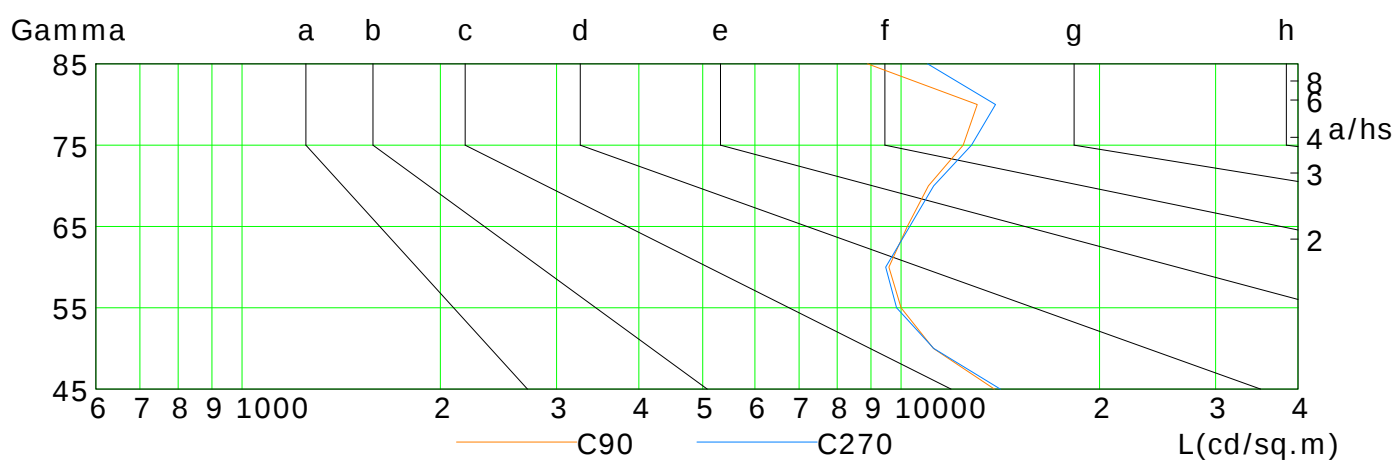
Humidity:

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	7538	6061	4960	4163	3699	3268	2836	2404	1524
C90	13854	11196	9998	9579	10218	10998	12422	13047	8895
C180	7239	5761	4724	3992	3685	3354	2887	2446	1481
C270	14144	11208	9841	9477	10304	11202	12783	13903	10969

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

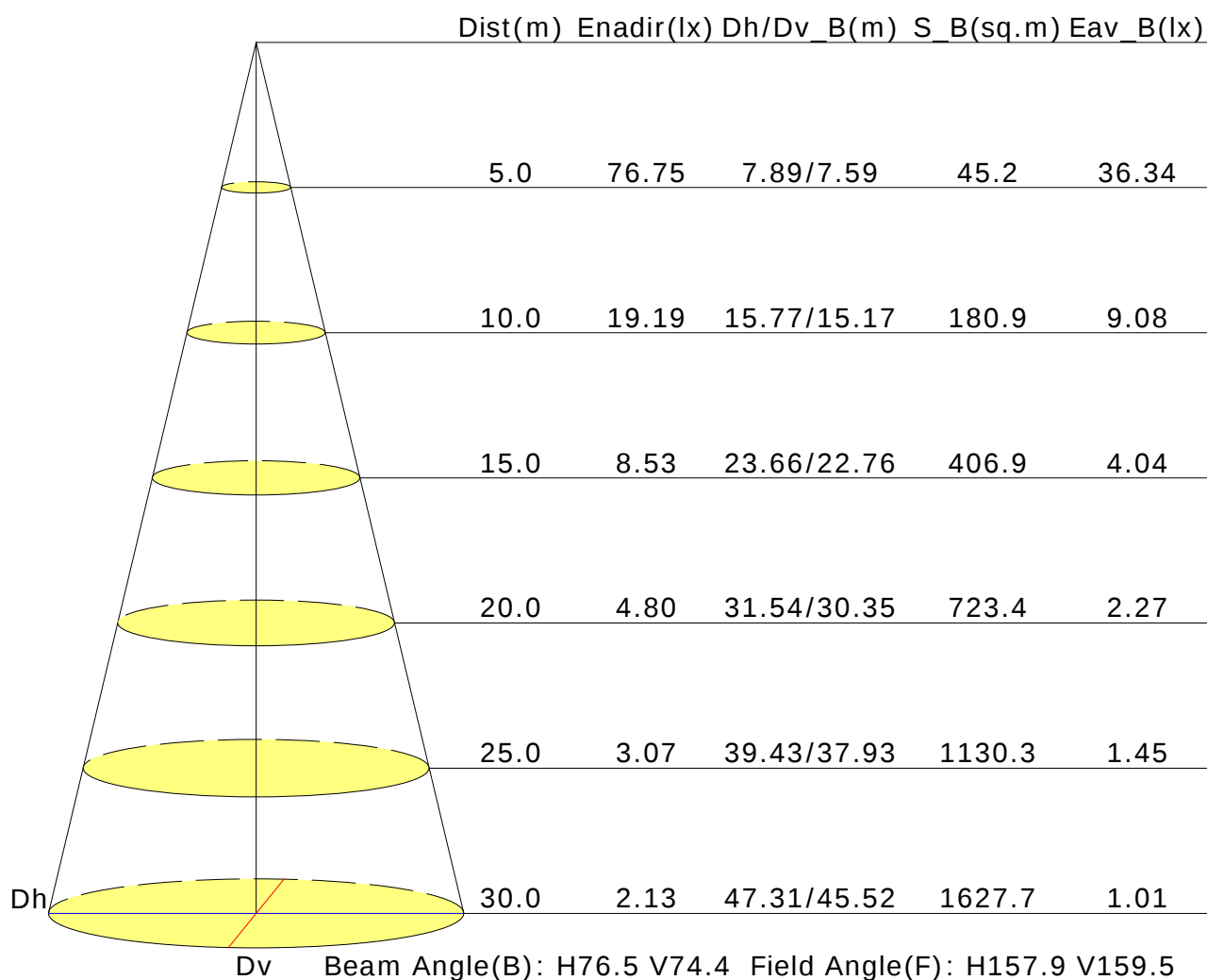
Test Device: LSG-1800B

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	17.6	18.9	17.9	19.1	19.4	18.5	19.8	18.8	20.0	20.2
3H	18.7	19.9	19.1	20.1	20.4	20.2	21.3	20.5	21.6	21.9
4H	19.3	20.3	19.6	20.6	20.9	21.2	22.3	21.6	22.6	22.9
6H	19.7	20.7	20.1	21.0	21.3	22.3	23.3	22.7	23.6	23.9
8H	19.9	20.9	20.3	21.2	21.5	22.7	23.7	23.1	24.0	24.3
12H	20.0	20.9	20.4	21.3	21.6	23.0	23.9	23.4	24.2	24.6
X=4H Y=2H	18.0	19.1	18.4	19.4	19.7	18.8	19.8	19.1	20.1	20.4
3H	19.3	20.3	19.7	20.6	20.9	20.6	21.6	21.0	21.9	22.2
4H	20.0	20.9	20.4	21.2	21.6	21.8	22.6	22.2	23.0	23.4
6H	20.6	21.4	21.1	21.8	22.2	23.0	23.8	23.4	24.1	24.6
8H	20.9	21.6	21.3	22.0	22.4	23.5	24.2	23.9	24.6	25.0
12H	21.0	21.7	21.5	22.1	22.5	23.8	24.4	24.3	24.9	25.3
X=8H Y=4H	20.3	21.0	20.7	21.4	21.8	21.9	22.6	22.4	23.0	23.5
6H	21.0	21.6	21.5	22.0	22.5	23.3	23.8	23.7	24.3	24.7
8H	21.4	21.9	21.9	22.3	22.8	23.8	24.3	24.3	24.8	25.3
12H	21.6	22.0	22.1	22.5	23.0	24.2	24.6	24.7	25.1	25.6
X=12H Y=4H	20.4	21.0	20.8	21.4	21.8	21.9	22.6	22.4	23.0	23.4
6H	21.1	21.6	21.6	22.1	22.6	23.3	23.8	23.8	24.2	24.7
8H	21.5	21.9	22.0	22.4	22.9	23.8	24.3	24.3	24.8	25.3
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.3/-0.3				
S=1.5H	+0.7/-0.8					+0.7/-0.8				
S=2.0H	+1.3/-1.2					+1.2/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 3523lm ($8\log(F/F_0) = 4.4$).

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Temperature:

Operator:

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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 = 1.00									
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	0.64	0.73	0.79	0.84	0.90	0.95	0.98	1.02	1.04	
	0.30		0.57	0.66	0.73	0.77	0.85	0.89	0.93	0.98	1.01	
	0.20		0.52	0.61	0.67	0.72	0.80	0.85	0.89	0.94	0.98	
0.50	0.50	0.20	0.62	0.71	0.77	0.81	0.87	0.91	0.94	0.98	1.00	
	0.30		0.56	0.65	0.71	0.76	0.82	0.87	0.90	0.95	0.97	
	0.20		0.51	0.60	0.66	0.71	0.78	0.83	0.87	0.92	0.95	
0.30	0.50	0.20	0.61	0.69	0.75	0.79	0.84	0.88	0.91	0.94	0.96	
	0.30		0.55	0.64	0.70	0.74	0.80	0.84	0.87	0.91	0.94	
	0.20		0.51	0.60	0.66	0.70	0.77	0.81	0.85	0.89	0.92	
0.00	0.00	0.00	0.49	0.57	0.63	0.67	0.73	0.77	0.80	0.85	0.87	
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 = 1.00									
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	0.89	0.74	0.63	0.55	0.44	0.37	0.32	0.25	0.21	
	0.30		0.74	0.63	0.55	0.49	0.40	0.34	0.30	0.24	0.20	
	0.20		0.64	0.55	0.49	0.44	0.37	0.31	0.28	0.22	0.19	
0.50	0.50	0.20	0.86	0.71	0.60	0.53	0.42	0.39	0.30	0.24	0.19	
	0.30		0.73	0.61	0.53	0.47	0.39	0.33	0.28	0.22	0.19	
	0.20		0.63	0.54	0.48	0.43	0.36	0.30	0.27	0.21	0.18	
0.30	0.50	0.20	0.83	0.68	0.58	0.51	0.40	0.34	0.29	0.22	0.19	
	0.30		0.71	0.60	0.52	0.46	0.37	0.31	0.27	0.21	0.18	
	0.20		0.62	0.53	0.47	0.42	0.35	0.29	0.26	0.20	0.17	
0.00	0.00	0.00	0.51	0.43	0.37	0.33	0.27	0.23	0.20	0.15	0.13	
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 = 1.00									
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	0.16	0.17	0.18	0.19	0.20	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	0.09	0.10	0.12	0.13	0.15	0.16	0.17	
0.50	0.50	0.20	0.15	0.17	0.18	0.18	0.19	0.20	0.20	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	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.16	0.18	0.18	
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	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												