

Report No.:

Test Time: 22.06.2020 22:19

Luminaire Property

Luminaire Manufacturer:

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

Luminous Length (mm): 950

Luminous Width (mm): 60

Luminous Height (mm): 70

Voltage: 221.6 V

Current: 0.144 A

Power: 30.29 W

Power Factor: 0.949

Photometric Results

CIE Class: Direct

Measurement Flux: 4124.9 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 4124.9 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.2, 117.8, 133.0, 134.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.1, 109.9, 111.1, 111.1

Luminaire Efficacy Rating (LER): 136.23

Central Intensity: 1615.14 cd

Max. Intensity: 1616.08 cd

Pos of Max. Intensity: H112.5 V0

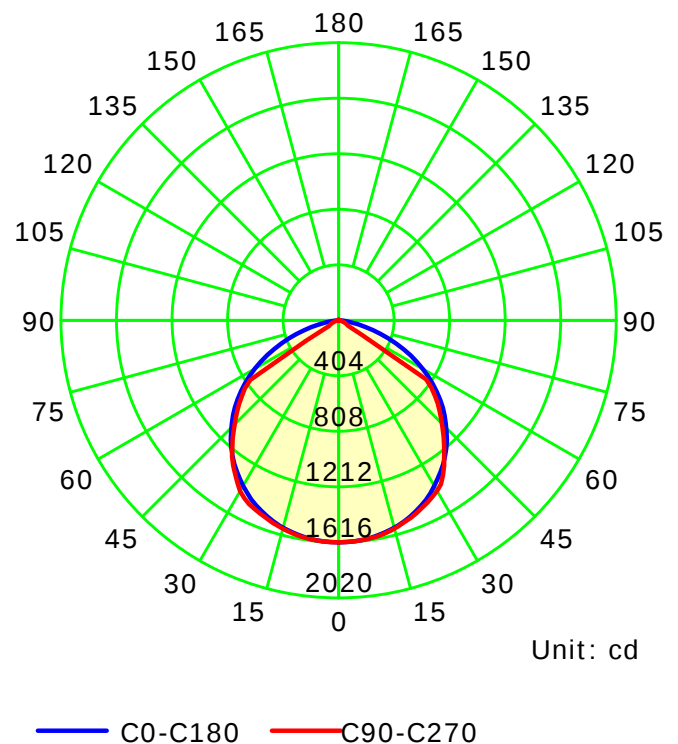
S/MH(C0/C180): 1.28

S/MH(C90/C270): 1.30

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

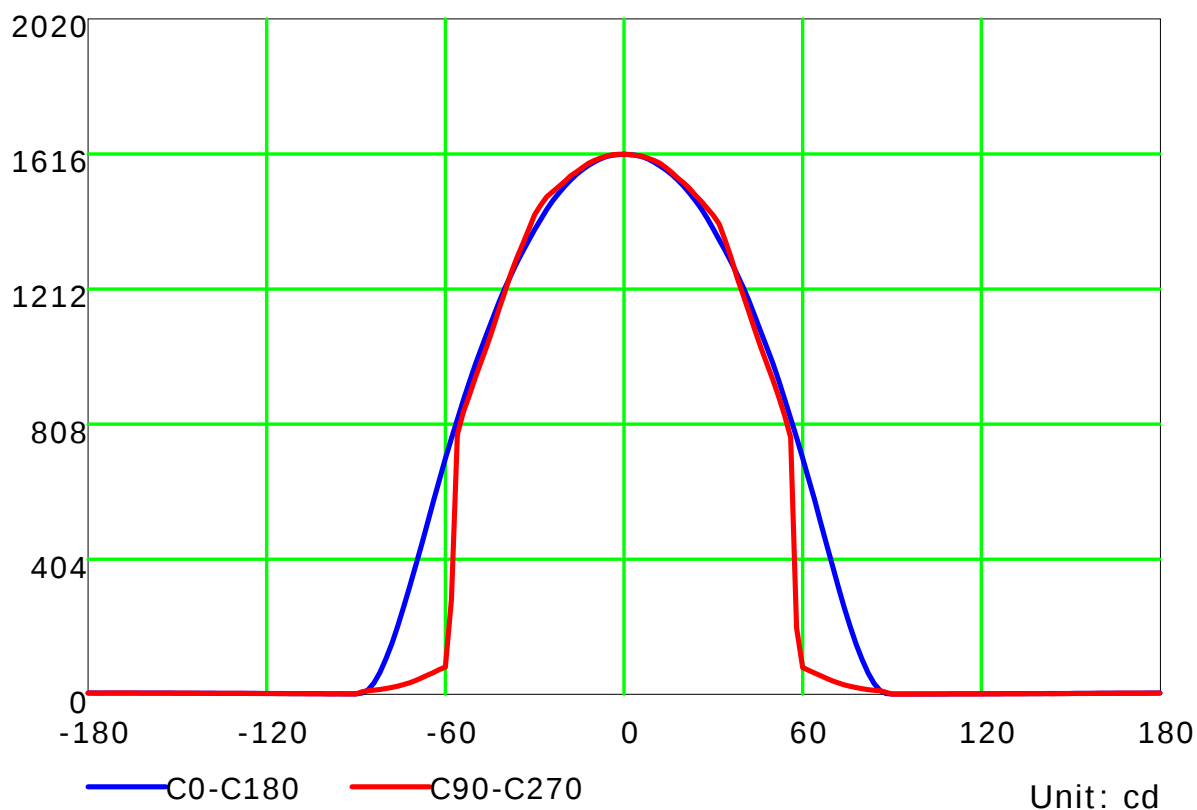
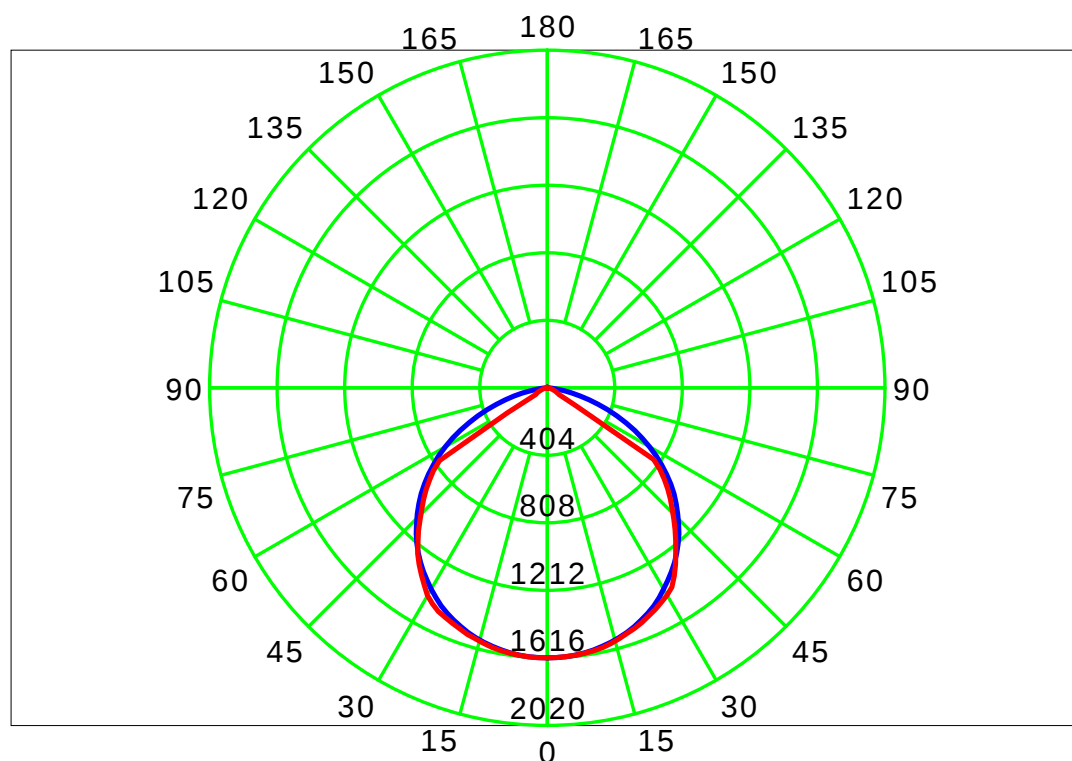
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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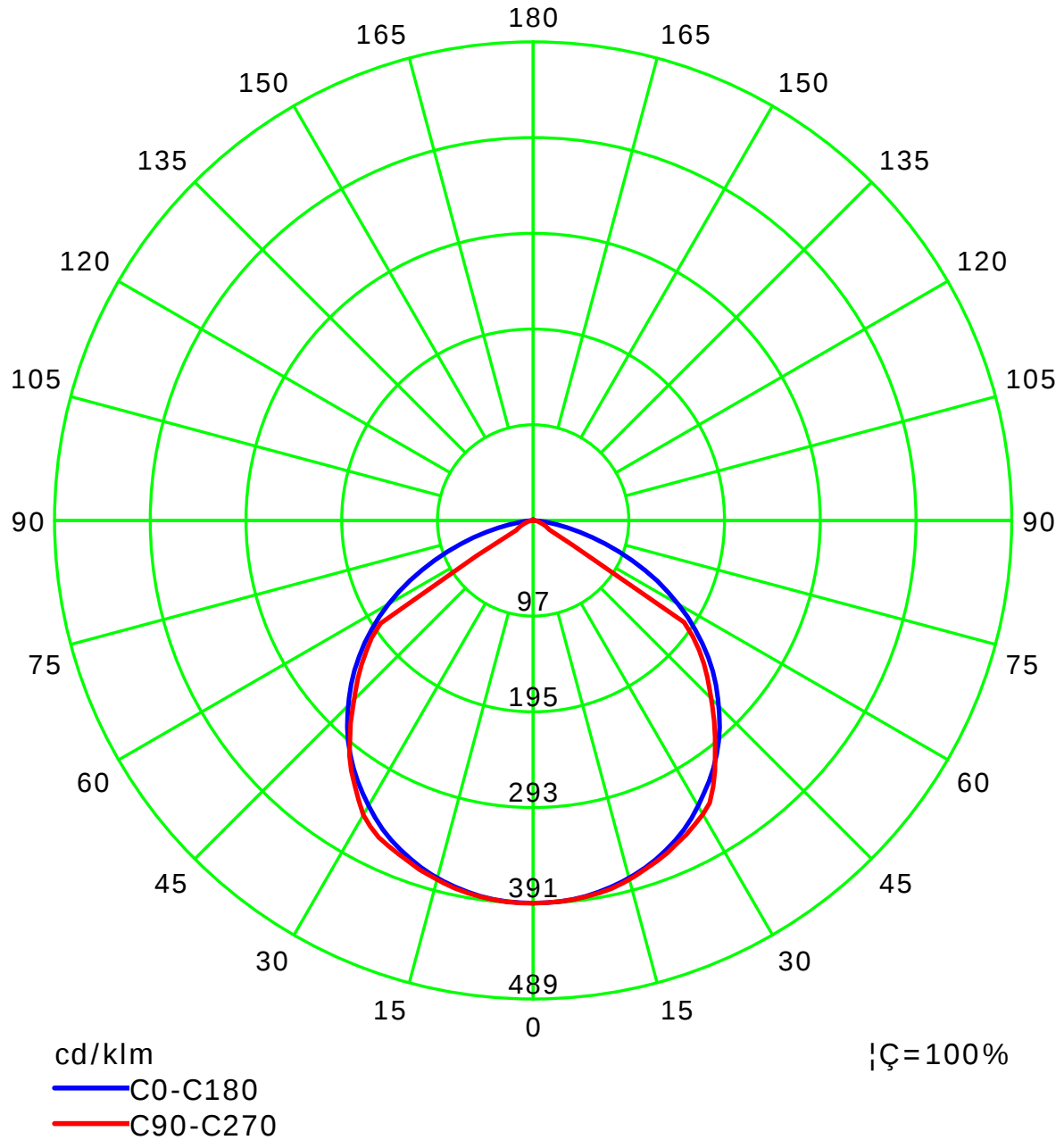
Test Device: LSG-1800B

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Humidity:

Inspector:

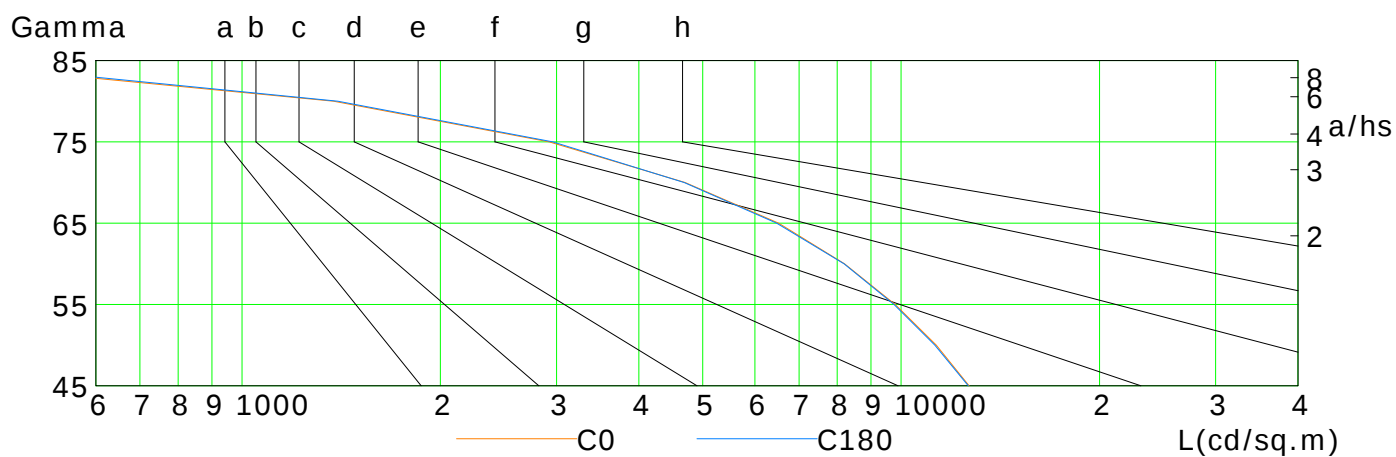
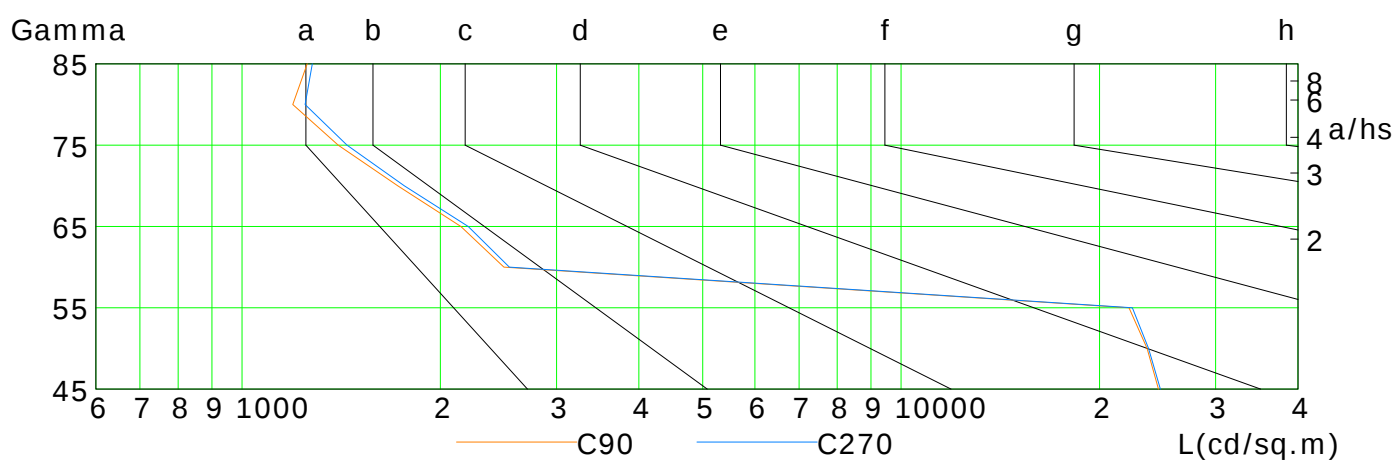
Luminous Intensity Distribution Curve(cd / klm)



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	12679	11305	9792	8207	6517	4702	2925	1377	315
C90	24575	23612	22166	2497	2148	1723	1400	1194	1255
C180	12643	11248	9757	8191	6475	4686	2961	1398	335
C270	24729	23738	22431	2544	2203	1764	1443	1246	1278

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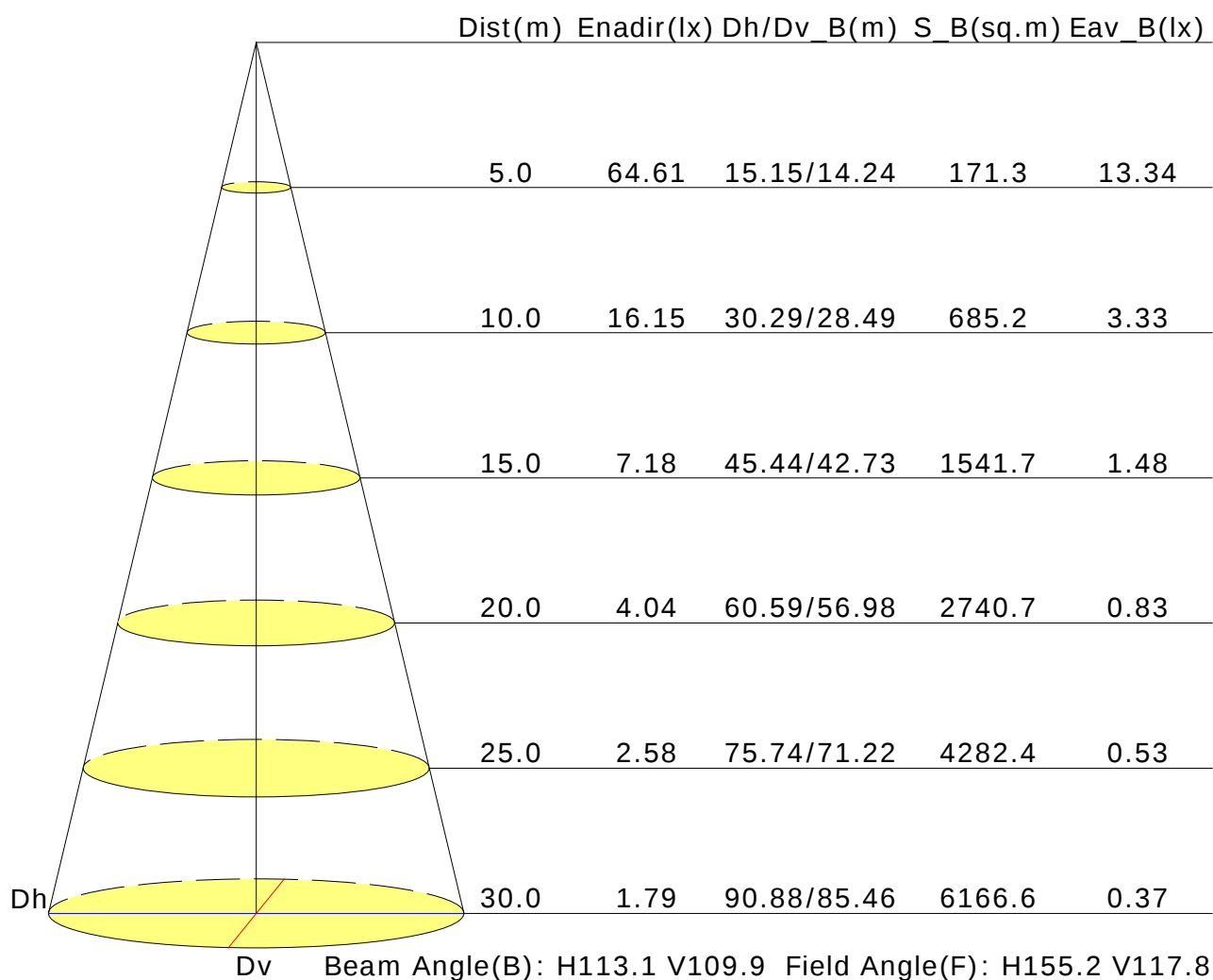
Test Device: LSG-1800B

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	21.1	22.4	21.4	22.6	22.9	21.0	22.3	21.3	22.5	22.7
3H	21.9	23.1	22.3	23.4	23.6	20.8	22.0	21.2	22.3	22.5
4H	22.1	23.2	22.5	23.5	23.8	20.8	21.9	21.1	22.1	22.4
6H	22.1	23.1	22.5	23.5	23.8	20.7	21.7	21.1	22.0	22.3
8H	22.1	23.1	22.5	23.4	23.7	20.7	21.6	21.0	22.0	22.3
12H	22.1	23.0	22.5	23.3	23.7	20.6	21.6	21.0	21.9	22.2
X=4H Y=2H	21.4	22.5	21.8	22.8	23.1	21.2	22.3	21.6	22.6	22.9
3H	22.3	23.2	22.7	23.5	23.9	21.1	22.0	21.5	22.4	22.7
4H	22.5	23.3	22.9	23.7	24.1	21.0	21.9	21.4	22.2	22.6
6H	22.5	23.3	23.0	23.7	24.1	21.0	21.7	21.4	22.1	22.5
8H	22.5	23.2	23.0	23.6	24.0	21.0	21.6	21.4	22.0	22.4
12H	22.5	23.1	23.0	23.5	24.0	20.9	21.5	21.4	21.9	22.4
X=8H Y=4H	22.4	23.1	22.9	23.5	23.9	21.0	21.7	21.4	22.1	22.5
6H	22.5	23.0	22.9	23.4	23.9	20.9	21.5	21.4	21.9	22.4
8H	22.4	22.9	22.9	23.4	23.9	20.9	21.4	21.4	21.8	22.3
12H	22.4	22.8	22.9	23.3	23.8	20.9	21.3	21.4	21.8	22.3
X=12H Y=4H	22.4	23.0	22.9	23.4	23.9	21.0	21.5	21.4	22.0	22.4
6H	22.4	22.9	22.9	23.3	23.8	20.9	21.4	21.4	21.8	22.3
8H	22.4	22.8	22.9	23.3	23.8	20.9	21.3	21.4	21.8	22.3
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.3					+0.8/-1.1				
S=1.5H	+0.6/-1.5					+2.5/-9.6				
S=2.0H	+1.2/-2.3					+4.0/-11.6				

Calculate in accordance with CIE Pub.117. The table is revised with 4125lm ($8\log(F/F_0) = 4.9$).

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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	0.61	0.73	0.80	0.85	0.92	0.97	1.00	1.04	1.07	
	0.30		0.54	0.65	0.73	0.79	0.87	0.92	0.96	1.01	1.04	
	0.20		0.48	0.60	0.68	0.74	0.82	0.88	0.92	0.98	1.01	
0.50	0.50	0.20	0.60	0.71	0.78	0.83	0.89	0.94	0.96	1.00	1.03	
	0.30		0.53	0.64	0.72	0.77	0.85	0.90	0.93	0.97	1.00	
	0.20		0.48	0.60	0.67	0.73	0.81	0.86	0.90	0.95	0.98	
0.30	0.50	0.20	0.58	0.69	0.75	0.80	0.86	0.90	0.93	0.97	0.99	
	0.30		0.52	0.63	0.71	0.76	0.83	0.87	0.90	0.94	0.97	
	0.20		0.48	0.59	0.66	0.72	0.79	0.84	0.88	0.92	0.95	
0.00	0.00	0.00	0.46	0.56	0.64	0.69	0.76	0.80	0.83	0.88	0.90	
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	0.95	0.76	0.63	0.55	0.43	0.35	0.30	0.23	0.18	
	0.30		0.79	0.65	0.55	0.48	0.39	0.32	0.28	0.21	0.18	
	0.20		0.68	0.57	0.49	0.43	0.35	0.30	0.26	0.20	0.17	
0.50	0.50	0.20	0.91	0.73	0.61	0.52	0.41	0.37	0.28	0.21	0.17	
	0.30		0.77	0.63	0.54	0.47	0.37	0.31	0.26	0.20	0.17	
	0.20		0.67	0.56	0.48	0.42	0.34	0.29	0.25	0.19	0.16	
0.30	0.50	0.20	0.88	0.70	0.58	0.50	0.39	0.31	0.27	0.20	0.16	
	0.30		0.76	0.62	0.52	0.45	0.36	0.29	0.25	0.19	0.16	
	0.20		0.66	0.55	0.47	0.41	0.33	0.28	0.24	0.19	0.15	
0.00	0.00	0.00	0.55	0.45	0.37	0.32	0.25	0.21	0.17	0.13	0.11	
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	0.16	0.17	0.18	0.19	0.20	0.20	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	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	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	0.10	0.12	0.13	0.15	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	0.17	0.18	0.18	
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	
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												