

Report No.:

Test Time: 11.08.2020 18:00

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 88/100 40LED 0,3A 8W 5000K opal источник Lifud LF-GIR009YS0300H

Luminous Length (mm): 111

Luminous Width (mm): 71

Luminous Height (mm): 88

Voltage: 222.0 V

Current: 0.071 A

Power: 8.30 W

Power Factor: 0.520

Photometric Results

CIE Class: Direct

Measurement Flux: 586 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 586.0 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.9, 160.9, 161.2, 161.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 101.3, 100.8, 101.1, 101.2

Luminaire Efficacy Rating (LER): 70.65

Central Intensity: 226.87 cd

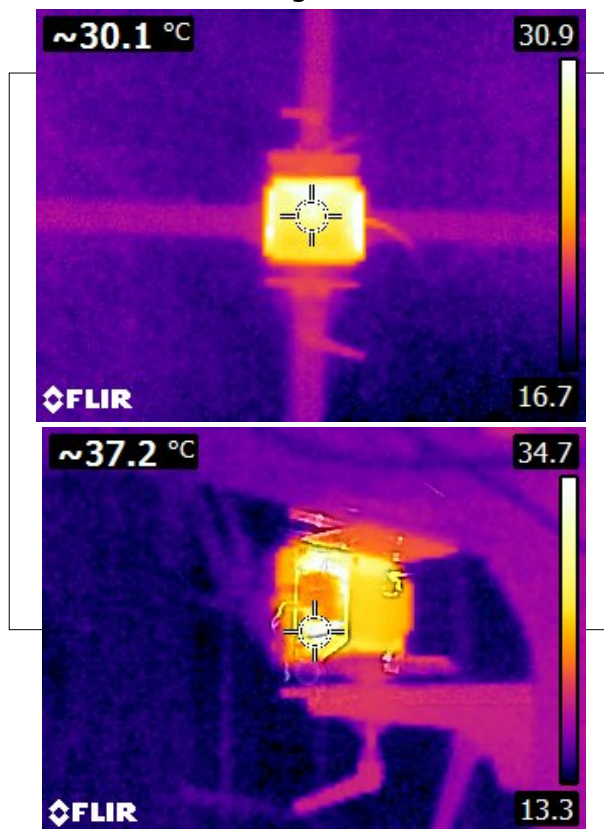
Max. Intensity: 227.39 cd

Pos of Max. Intensity: H135 V0

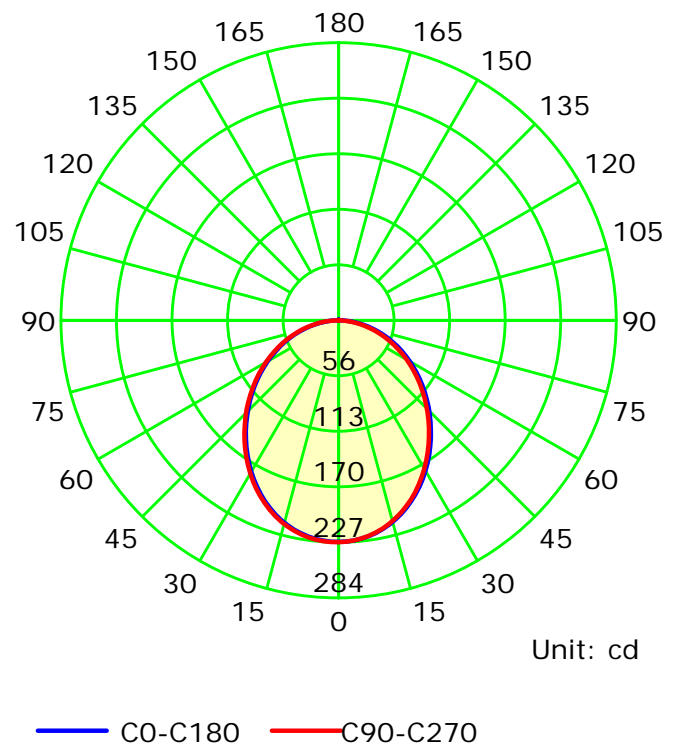
S/MH(C0/C180): 1.18

S/MH(C90/C270): 1.17

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

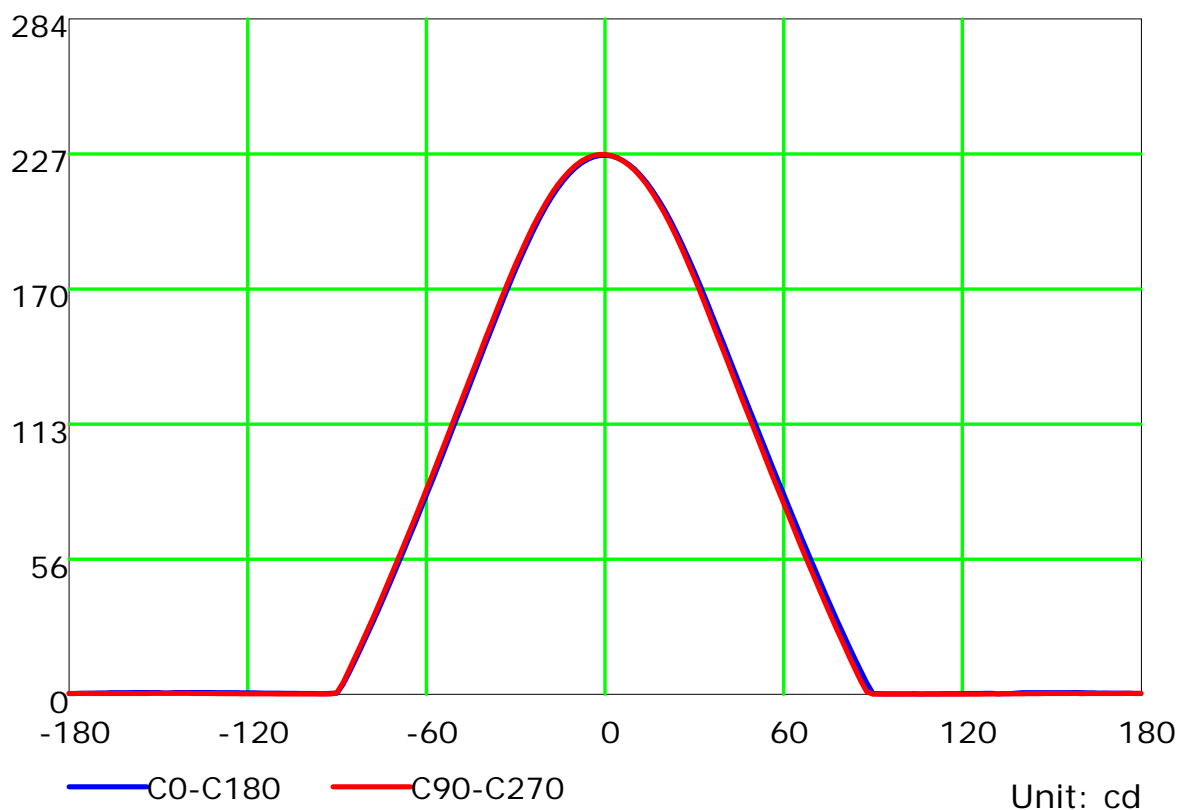
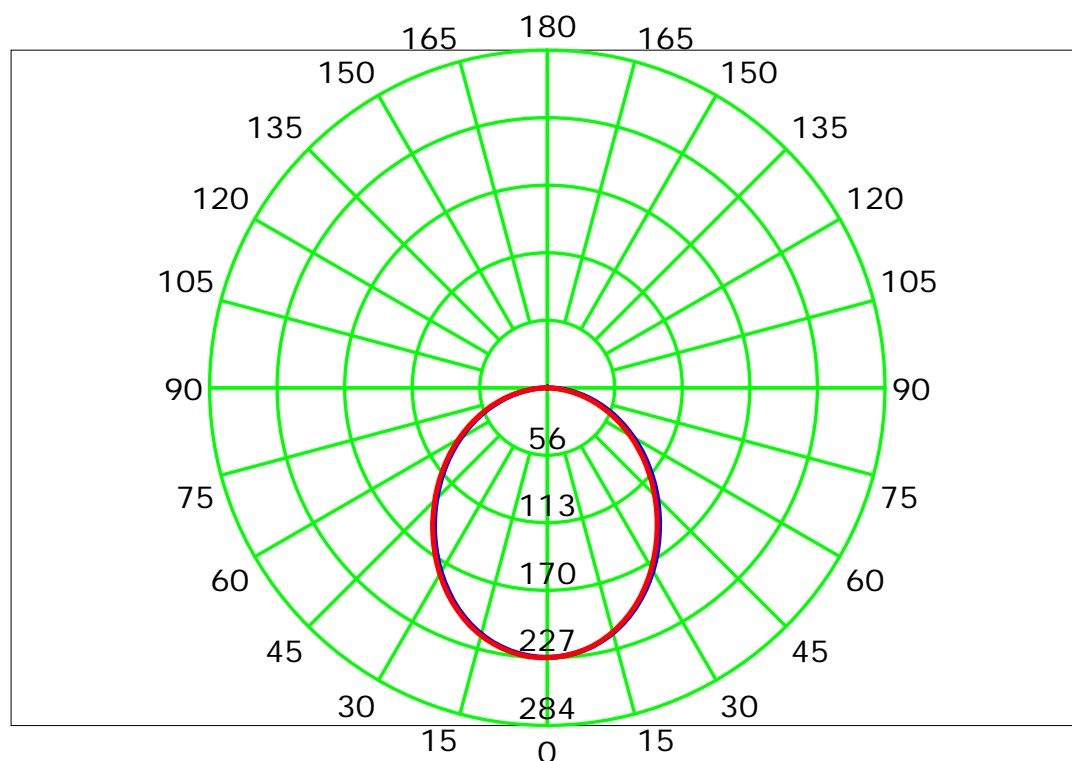
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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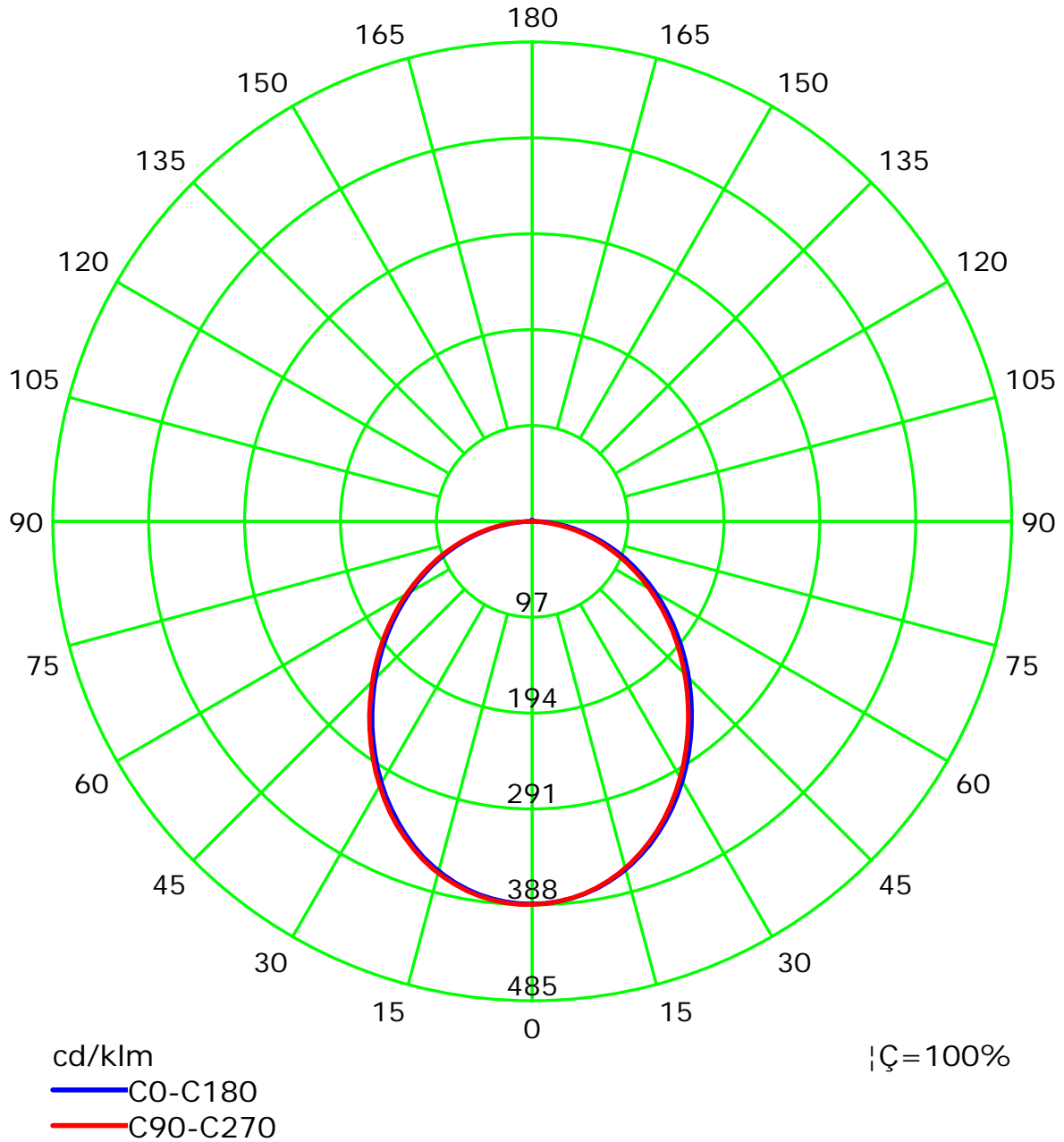
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.677 m

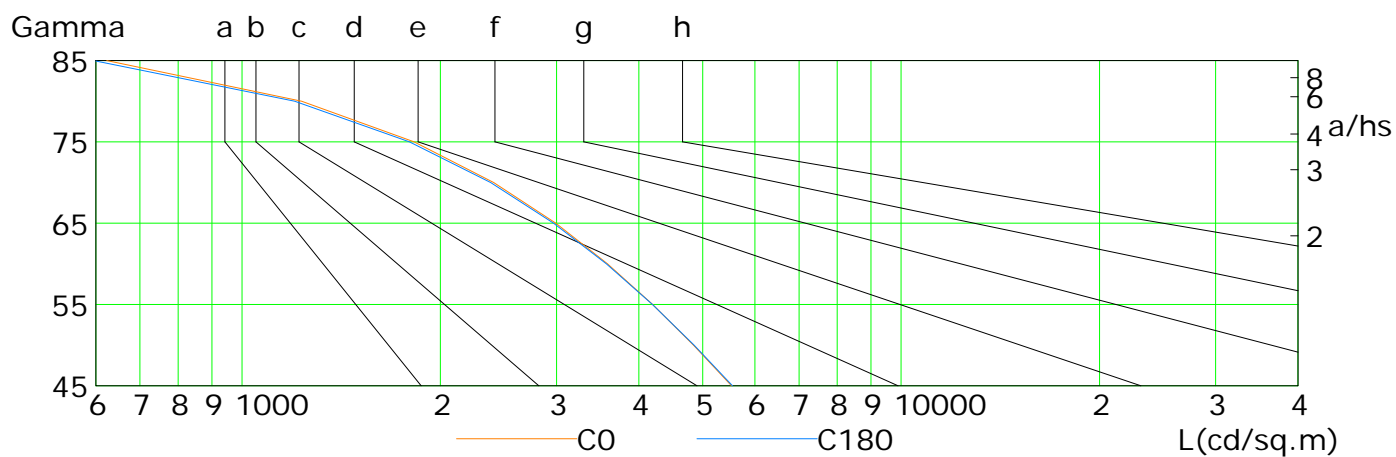
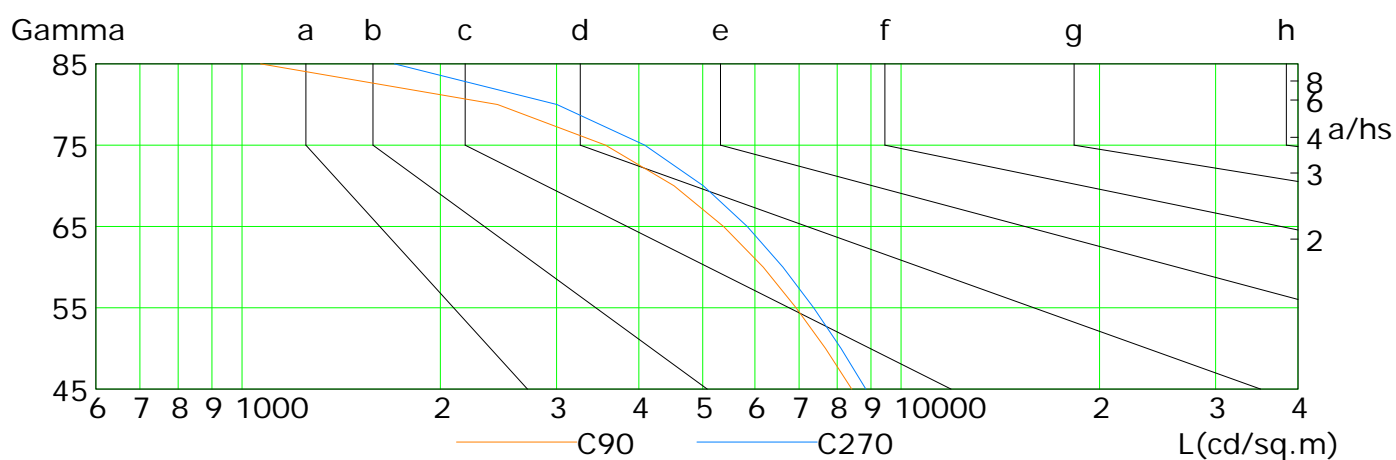
Humidity:

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	5528	4841	4197	3584	2993	2408	1824	1231	623
C90	8417	7679	6929	6179	5377	4523	3560	2441	1067
C180	5549	4852	4194	3570	2969	2383	1795	1202	595
C270	8840	8104	7366	6618	5841	5012	4083	3003	1703

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

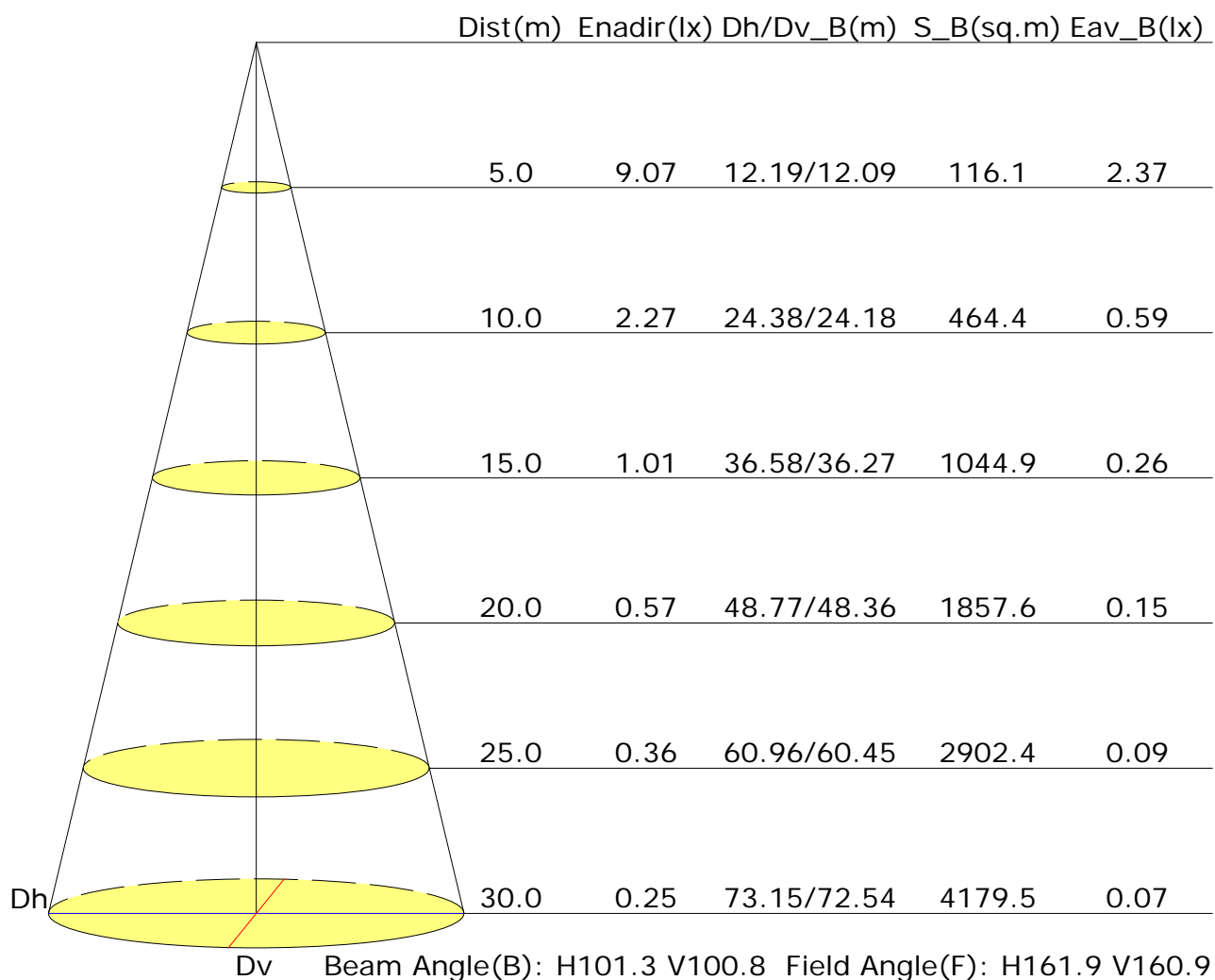
Test Device: LSG-1800B

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	17.4	18.8	17.7	19.0	19.2	18.4	19.8	18.7	20.0	20.2
3H	18.5	19.7	18.8	20.0	20.3	19.7	20.9	20.0	21.2	21.5
4H	18.9	20.0	19.2	20.3	20.6	20.2	21.3	20.5	21.6	21.9
6H	19.1	20.2	19.5	20.5	20.9	20.5	21.6	20.8	21.9	22.2
8H	19.2	20.2	19.5	20.6	20.9	20.6	21.6	20.9	21.9	22.3
12H	19.2	20.2	19.6	20.5	20.9	20.6	21.6	21.0	21.9	22.3
X=4H Y=2H	17.9	19.1	18.3	19.4	19.7	18.7	19.9	19.1	20.2	20.5
3H	19.2	20.2	19.6	20.5	20.9	20.2	21.2	20.6	21.5	21.9
4H	19.7	20.6	20.1	20.9	21.3	20.8	21.7	21.2	22.0	22.4
6H	20.0	20.8	20.4	21.2	21.6	21.2	22.0	21.6	22.4	22.8
8H	20.1	20.8	20.5	21.3	21.7	21.3	22.1	21.8	22.5	22.9
12H	20.2	20.8	20.6	21.2	21.7	21.4	22.0	21.8	22.5	22.9
X=8H Y=4H	19.9	20.6	20.3	21.0	21.5	20.9	21.6	21.3	22.0	22.5
6H	20.3	20.9	20.8	21.4	21.8	21.4	22.0	21.9	22.4	22.9
8H	20.5	21.0	20.9	21.4	21.9	21.6	22.1	22.1	22.6	23.0
12H	20.5	21.0	21.0	21.5	22.0	21.7	22.1	22.2	22.6	23.1
X=12H Y=4H	19.9	20.6	20.3	21.0	21.4	20.9	21.5	21.3	22.0	22.4
6H	20.3	20.9	20.8	21.3	21.8	21.4	21.9	21.9	22.4	22.9
8H	20.5	21.0	21.0	21.5	22.0	21.6	22.1	22.1	22.5	23.0
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.3					+0.1/-0.2				
S=1.5H	+0.4/-0.7					+0.5/-0.6				
S=2.0H	+0.7/-1.2					+1.0/-1.3				

Calculate in accordance with CIE Pub.117. The table is revised with 586lm ($8\log(F/F_0) = -1.9$).

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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 = 1.25									
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	0.58	0.68	0.75	0.80	0.88	0.92	0.96	1.00	1.03	
	0.30		0.50	0.60	0.68	0.73	0.81	0.87	0.91	0.96	1.00	
	0.20		0.45	0.55	0.62	0.68	0.76	0.82	0.87	0.93	0.97	
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99	
	0.30		0.49	0.59	0.66	0.72	0.79	0.84	0.88	0.93	0.96	
	0.20		0.44	0.54	0.61	0.67	0.75	0.80	0.84	0.90	0.93	
0.30	0.50	0.20	0.55	0.64	0.70	0.75	0.81	0.86	0.89	0.93	0.95	
	0.30		0.49	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93	
	0.20		0.44	0.54	0.61	0.66	0.73	0.78	0.82	0.87	0.91	
0.00	0.00	0.00	0.42	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86	
Rating: 8W 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	0.98	0.81	0.69	0.60	0.48	0.40	0.34	0.27	0.22	
	0.30		0.82	0.69	0.60	0.53	0.44	0.37	0.32	0.25	0.21	
	0.20		0.70	0.61	0.53	0.48	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.94	0.78	0.66	0.58	0.46	0.42	0.33	0.25	0.21	
	0.30		0.80	0.68	0.59	0.52	0.42	0.35	0.31	0.24	0.20	
	0.20		0.69	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.92	0.75	0.64	0.55	0.44	0.37	0.31	0.24	0.20	
	0.30		0.78	0.66	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.58	0.49	0.42	0.37	0.30	0.25	0.22	0.17	0.14	
Rating: 8W 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	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.11	0.13	0.14	0.15	0.17	0.17	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	0.20	0.21	0.21	
	0.30		0.10	0.11	0.12	0.13	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	0.15	0.17	
0.30	0.50	0.20	0.15	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.20	
	0.30		0.09	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	0.14	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: 8W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												