

Report No.:

Test Time: 07.09.2020 22:47

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 55 80LED 0.6A 75W 4000K prozrachnoe steclo

Luminous Length (mm): 1545

Luminous Width (mm): 55

Luminous Height (mm): 90

Voltage: 221.4 V

Current: 0.353 A

Power: 76.75 W

Power Factor: 0.979

Photometric Results

CIE Class: Direct

Measurement Flux: 11580.5 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 11580.5 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.3, 161.5, 150.1, 150.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.5, 123.8, 111.1, 111.6

Luminaire Efficacy Rating (LER): 150.94

Central Intensity: 3937.6 cd

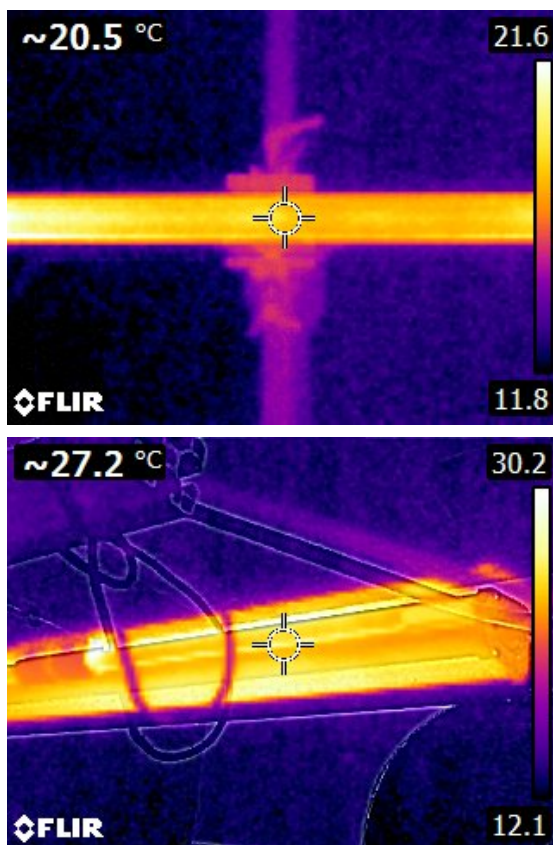
Max. Intensity: 3992.43 cd

Pos of Max. Intensity: H67.5 V6

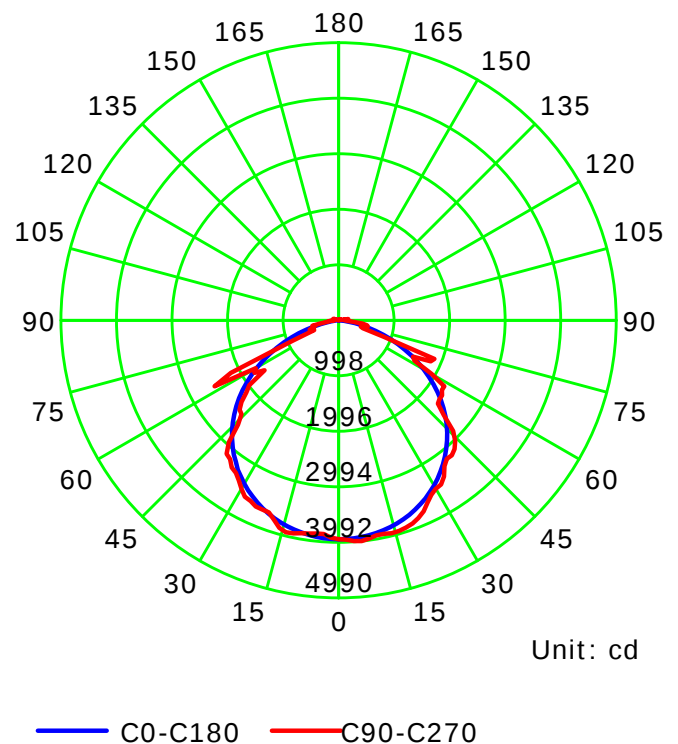
S/MH(C0/C180): 1.29

S/MH(C90/C270): 1.32

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

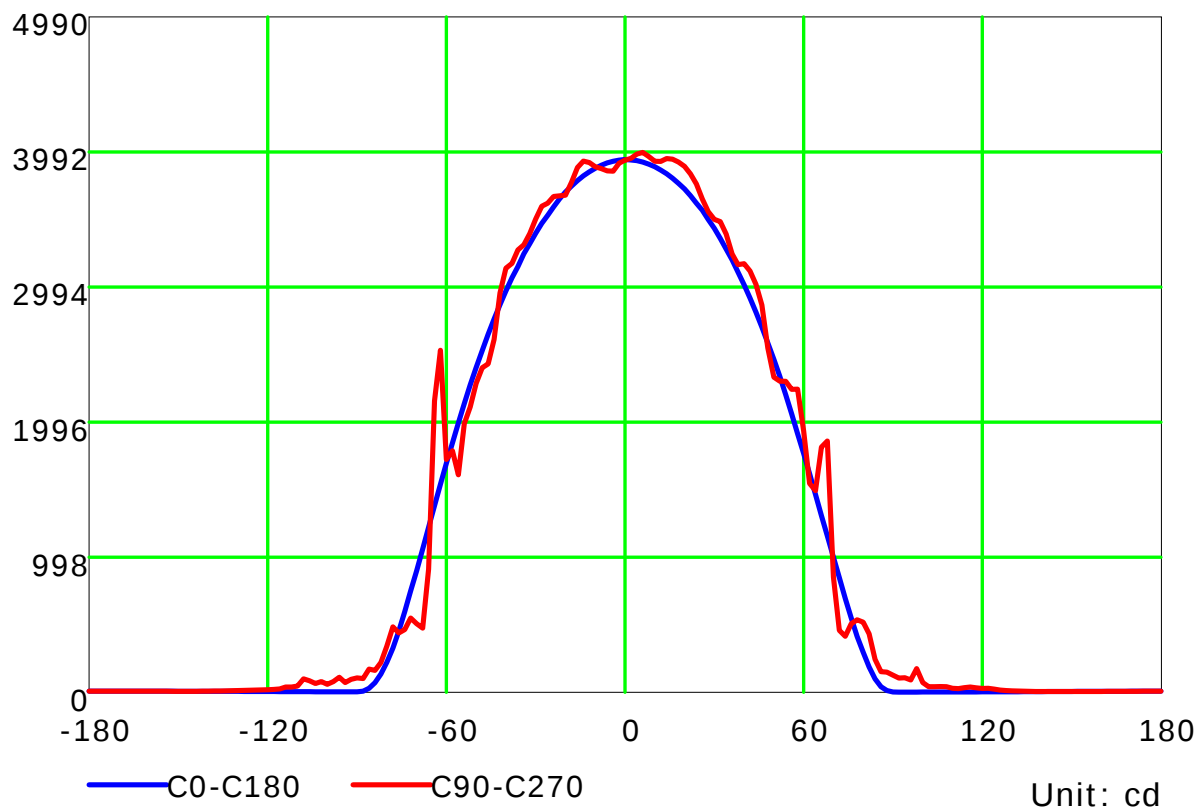
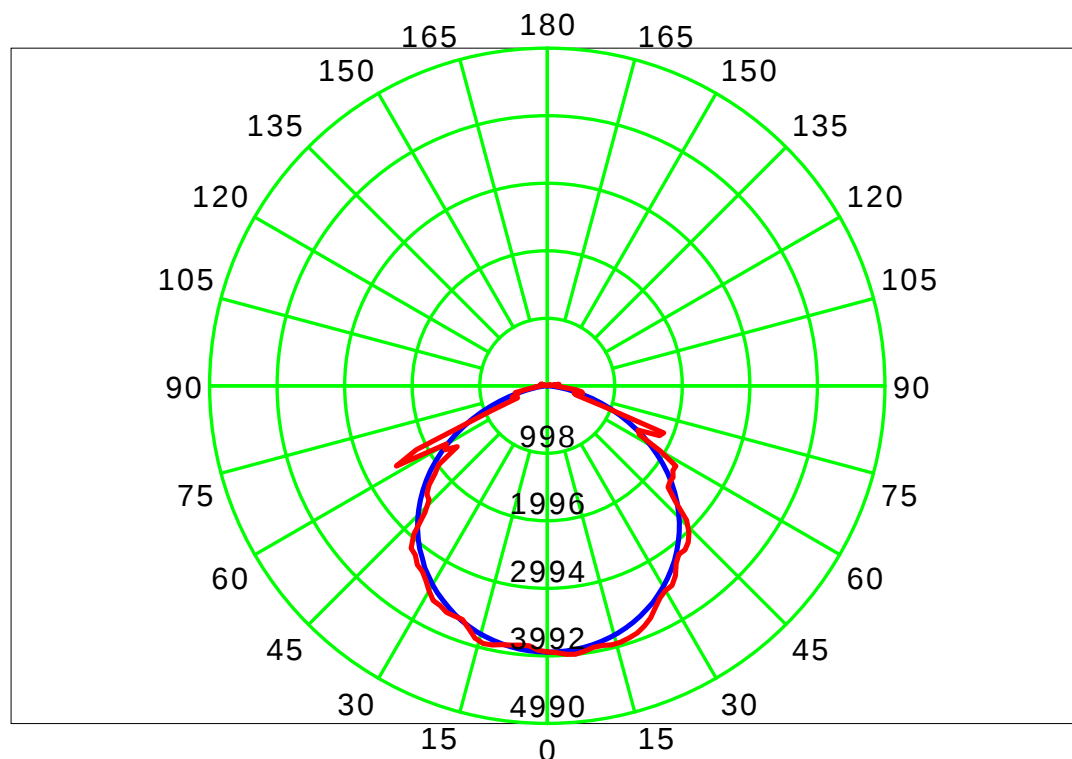
Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

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

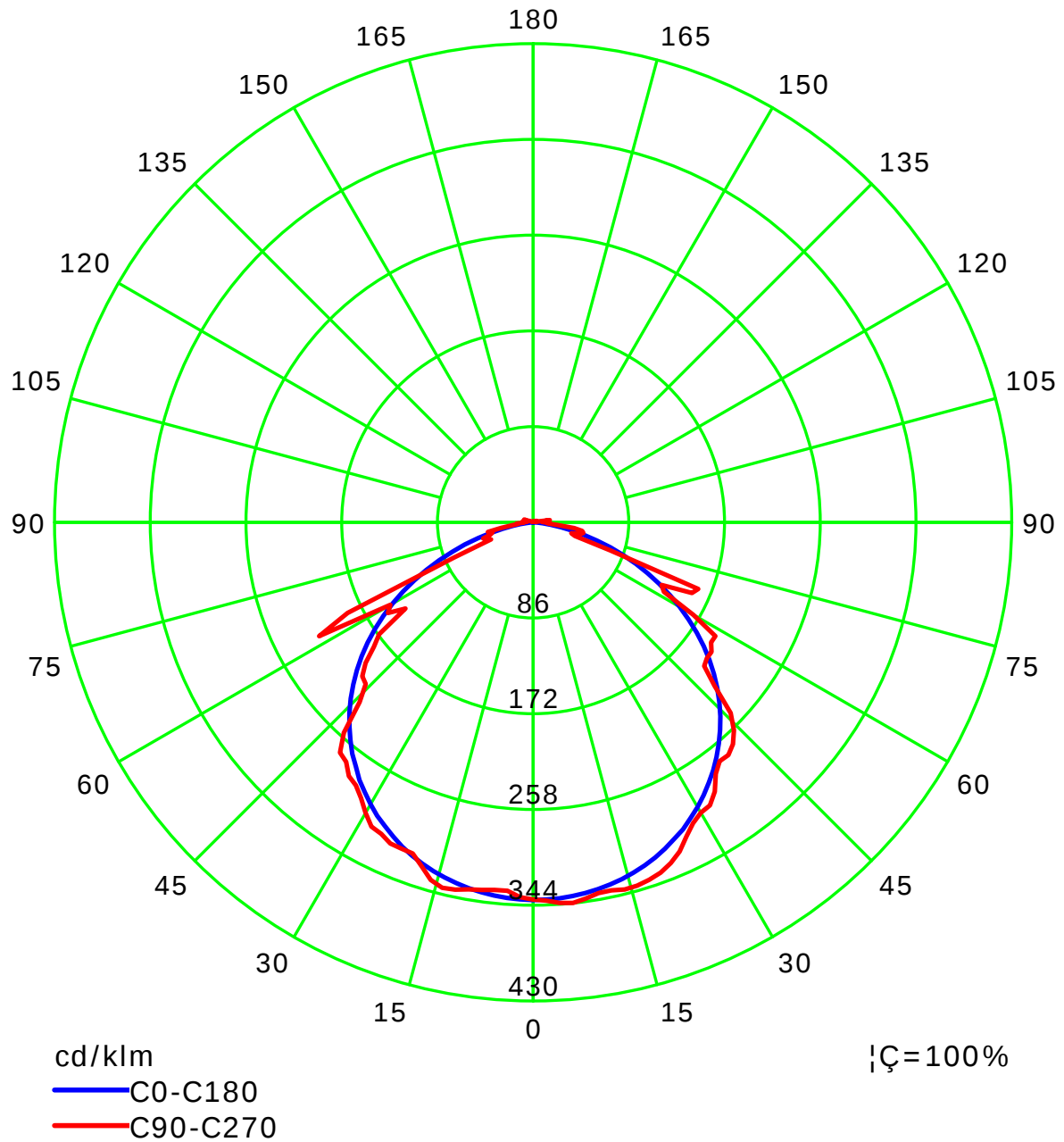
Test Device: LSG-1800B

Distance: 12.682 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:

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Test Device: LSG-1800B

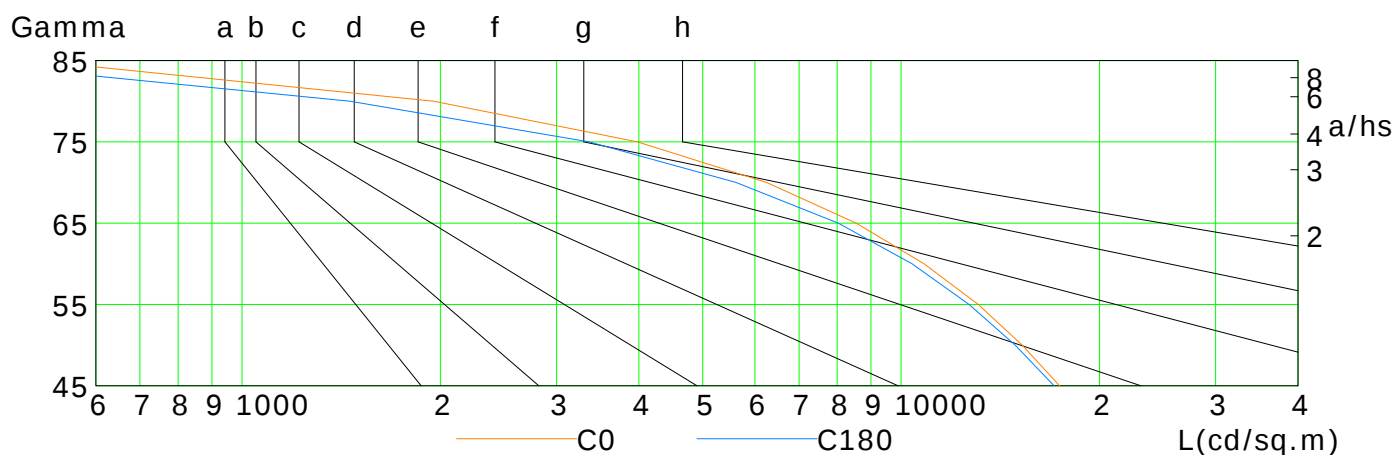
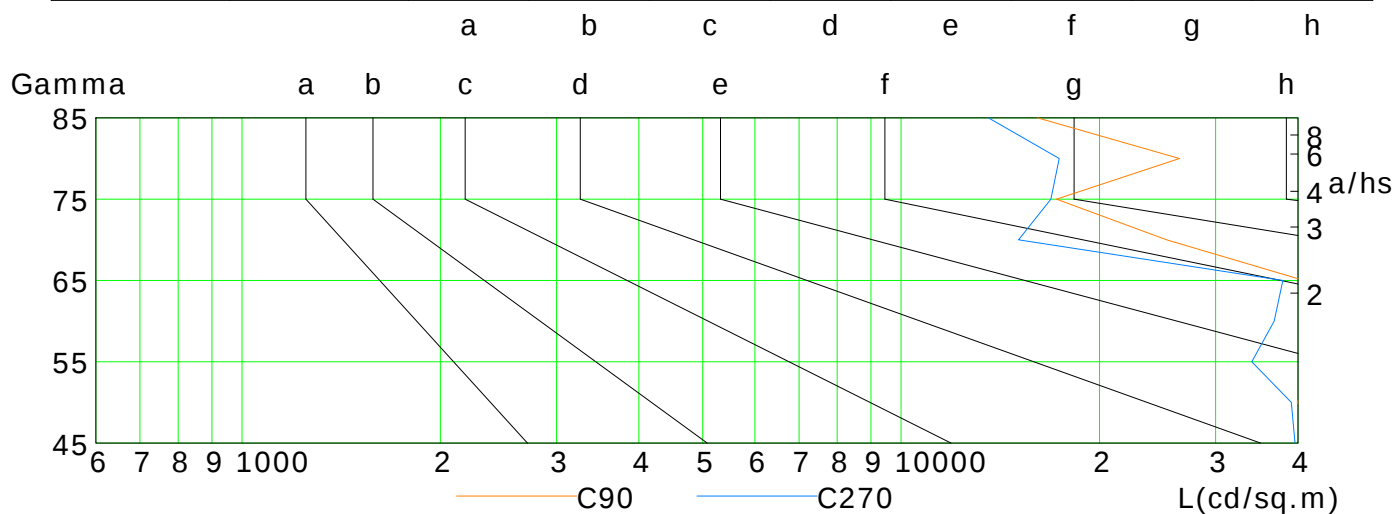
Distance: 12.682 m

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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	17388	15267	13087	10838	8550	6254	3980	1953	483
C90	46213	39879	42971	41291	40891	25286	17204	26437	16105
C180	17059	14896	12682	10393	8028	5619	3362	1458	349
C270	39589	39079	34032	36805	37937	15070	16872	17366	13570

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

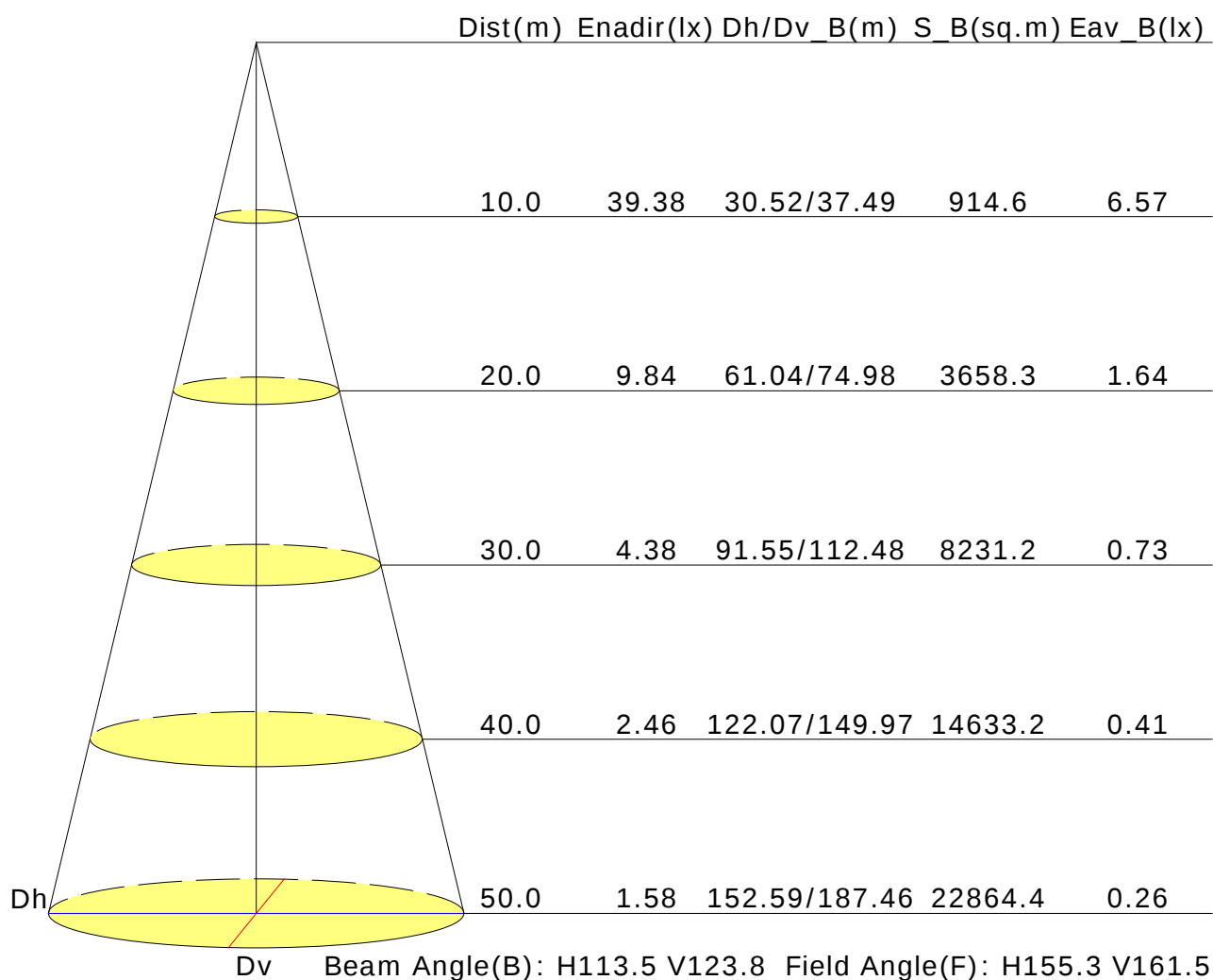
Test Device: LSG-1800B

Distance: 12.682 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	21.9	23.3	22.2	23.5	23.8	24.1	25.4	24.4	25.7	26.0
3H	22.7	24.0	23.1	24.3	24.6	25.3	26.6	25.7	26.9	27.2
4H	22.9	24.1	23.3	24.4	24.7	25.5	26.6	25.8	26.9	27.3
6H	23.0	24.0	23.4	24.4	24.7	25.8	26.8	26.1	27.2	27.5
8H	23.0	24.0	23.3	24.3	24.7	25.9	26.9	26.3	27.3	27.6
12H	22.9	23.9	23.3	24.3	24.6	25.9	26.9	26.3	27.3	27.7
X=4H Y=2H	22.5	23.6	22.8	23.9	24.3	24.3	25.5	24.7	25.8	26.1
3H	23.4	24.4	23.8	24.8	25.1	25.6	26.6	26.0	27.0	27.3
4H	23.7	24.6	24.1	24.9	25.3	25.8	26.7	26.2	27.1	27.5
6H	23.8	24.6	24.2	25.0	25.4	26.1	26.9	26.6	27.3	27.8
8H	23.8	24.5	24.2	24.9	25.4	26.3	27.0	26.8	27.5	27.9
12H	23.7	24.4	24.2	24.8	25.3	26.4	27.1	26.9	27.5	28.0
X=8H Y=4H	23.8	24.5	24.2	24.9	25.3	25.8	26.5	26.2	26.9	27.4
6H	23.9	24.5	24.4	25.0	25.4	26.2	26.8	26.7	27.2	27.7
8H	23.9	24.4	24.4	24.9	25.4	26.4	26.9	26.9	27.4	27.9
12H	23.9	24.4	24.4	24.9	25.4	26.6	27.0	27.1	27.5	28.0
X=12H Y=4H	23.7	24.4	24.2	24.8	25.3	25.8	26.4	26.2	26.8	27.3
6H	23.9	24.4	24.4	24.9	25.4	26.2	26.7	26.7	27.2	27.7
8H	23.9	24.4	24.5	24.9	25.4	26.4	26.9	26.9	27.4	27.9
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.5					+0.8/-0.6				
S=1.5H	+0.5/-1.1					+1.5/-0.9				
S=2.0H	+1.1/-1.6					+3.2/-2.6				

Calculate in accordance with CIE Pub.117. The table is revised with 11581lm ($8\log(F/F_0) = 8.5$).

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Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.69	0.77	0.82	0.89	0.94	0.97	1.01	1.04	
	0.30		0.53	0.62	0.70	0.75	0.83	0.89	0.92	0.97	1.01	
	0.20		0.48	0.56	0.64	0.70	0.79	0.84	0.88	0.94	0.98	
0.50	0.50	0.20	0.59	0.67	0.74	0.79	0.86	0.90	0.93	0.97	1.00	
	0.30		0.52	0.60	0.68	0.74	0.81	0.86	0.89	0.94	0.97	
	0.20		0.47	0.56	0.63	0.69	0.77	0.82	0.86	0.91	0.95	
0.30	0.50	0.20	0.57	0.65	0.72	0.77	0.83	0.87	0.90	0.93	0.96	
	0.30		0.52	0.59	0.67	0.72	0.79	0.83	0.86	0.91	0.93	
	0.20		0.47	0.55	0.62	0.68	0.75	0.80	0.84	0.88	0.91	
0.00	0.00	0.00	0.45	0.52	0.60	0.65	0.72	0.76	0.79	0.84	0.86	
Rating:77W 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 = 1.50									
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	0.93	0.79	0.66	0.57	0.45	0.37	0.32	0.25	0.20	
	0.30		0.78	0.67	0.57	0.50	0.41	0.34	0.30	0.23	0.19	
	0.20		0.67	0.59	0.51	0.45	0.37	0.32	0.28	0.22	0.18	
0.50	0.50	0.20	0.90	0.75	0.63	0.54	0.43	0.39	0.30	0.23	0.19	
	0.30		0.76	0.65	0.56	0.49	0.39	0.33	0.28	0.22	0.18	
	0.20		0.66	0.58	0.50	0.44	0.36	0.31	0.27	0.21	0.17	
0.30	0.50	0.20	0.87	0.72	0.60	0.52	0.41	0.34	0.29	0.22	0.18	
	0.30		0.74	0.64	0.54	0.47	0.38	0.32	0.27	0.21	0.17	
	0.20		0.65	0.57	0.49	0.43	0.35	0.30	0.26	0.20	0.17	
0.00	0.00	0.00	0.54	0.47	0.39	0.34	0.27	0.23	0.19	0.15	0.12	
Rating:77W 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 = 1.50									
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	0.23	
	0.30		0.10	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
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:77W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												