

Report No.:

Test Time: 19.11.2020 17:28

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 55 80LED 0,6A 2x75W 4000K prozrachnoe steclo

Luminous Length (mm): 1545

Luminous Width (mm): 55

Luminous Height (mm): 90

Voltage: 221.4 V

Current: 0.701 A

Power: 152.01 W

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 22398.9 lm

Downward Ratio: 99%

Total Rated Lamp Lumens: 22398.9 lm

Efficiency: 100%

Upward Ratio: 1%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.0, 160.8, 141.6, 141.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.5, 119.8, 121.3, 121.4

Luminaire Efficacy Rating (LER): 147.40

Central Intensity: 7896.15 cd

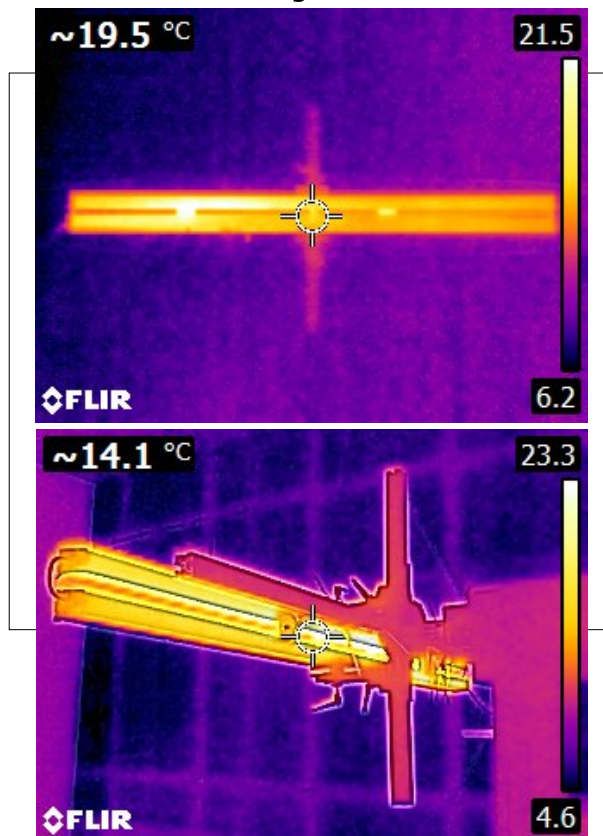
Max. Intensity: 7936.28 cd

Pos of Max. Intensity: H67.5 V6

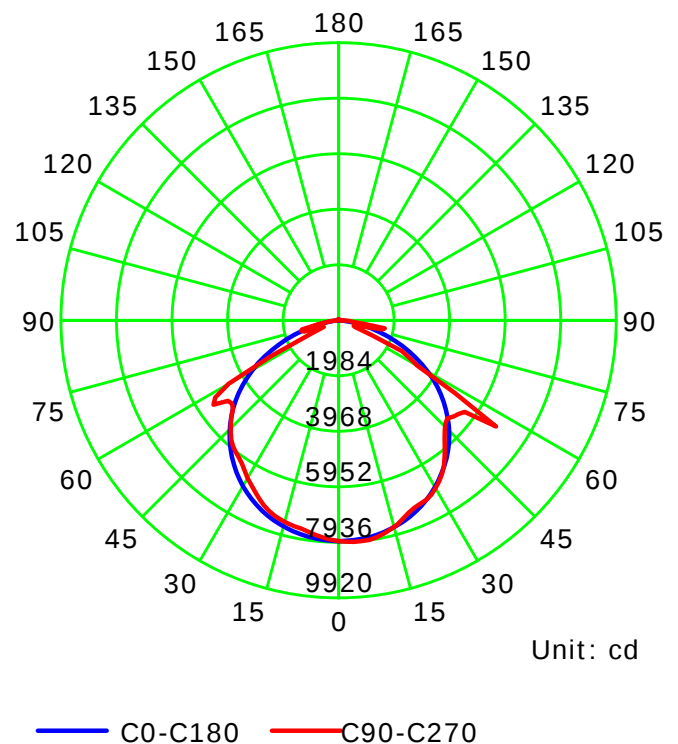
S/MH(C0/C180): 1.29

S/MH(C90/C270): 1.27

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

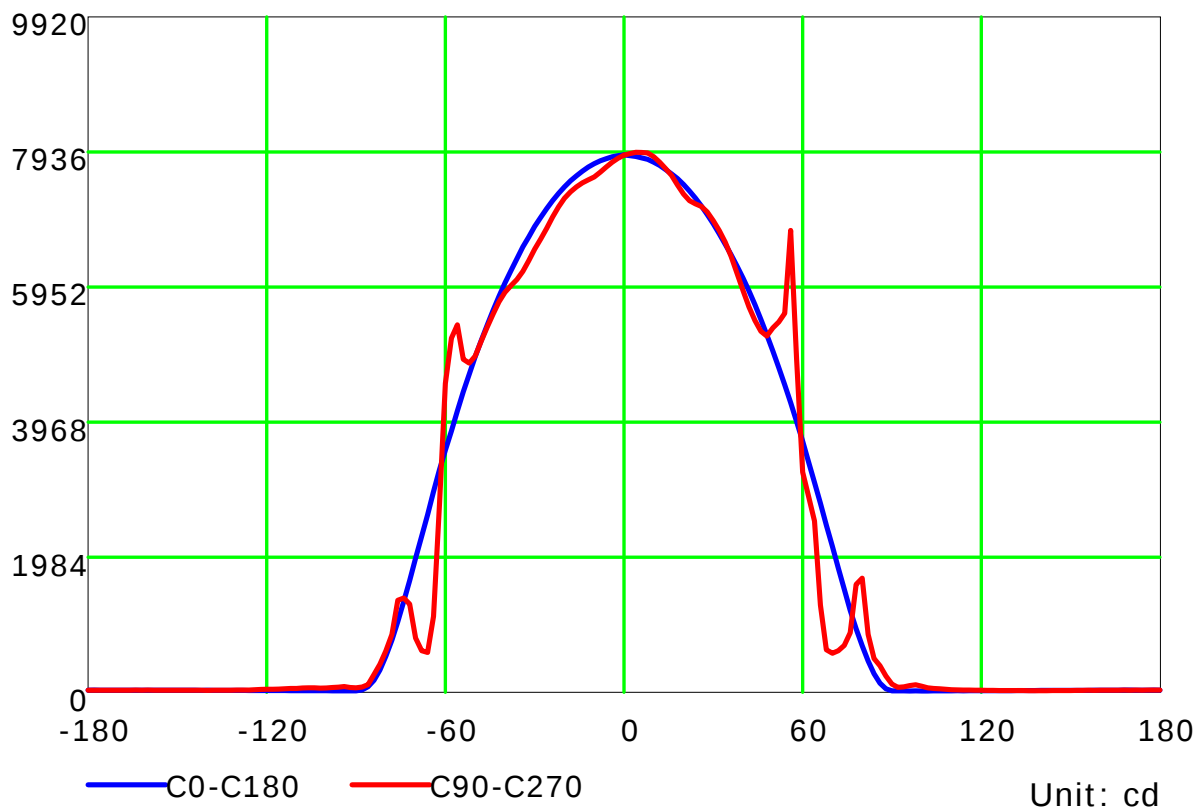
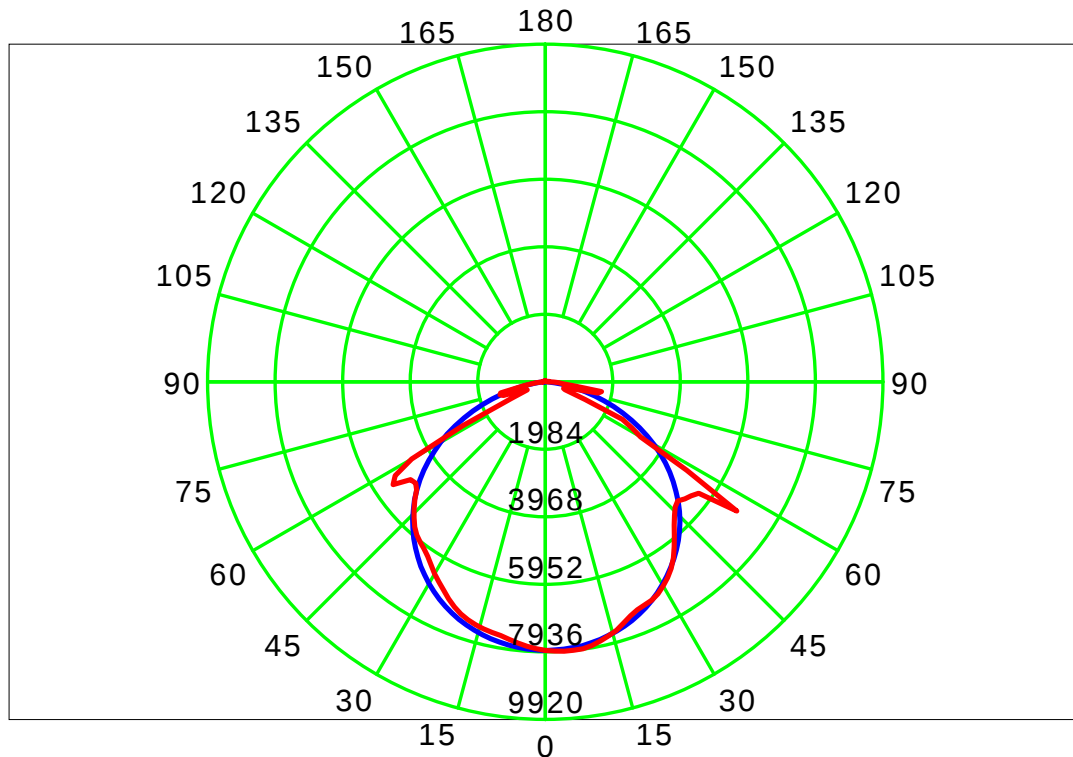
Test Device: LSG-1800B

Distance: 12.682 m

Humidity:

Inspector:

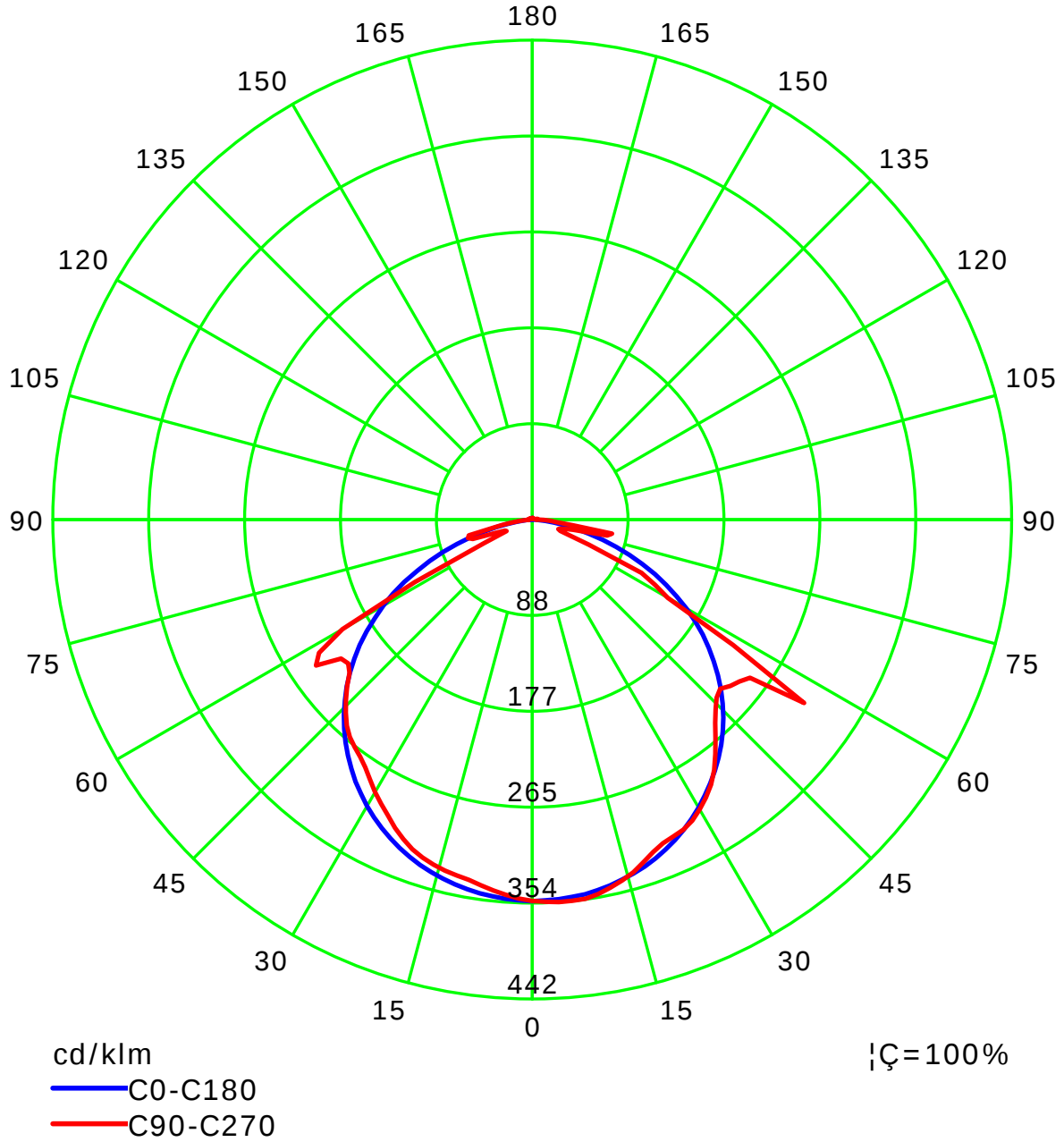
Luminous Intensity Distribution Curve



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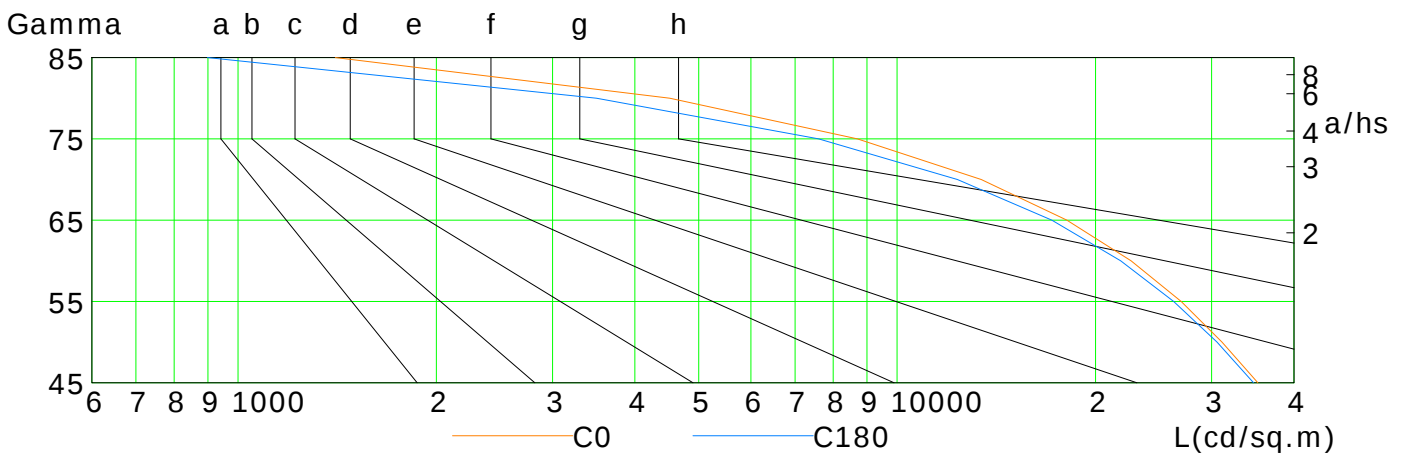
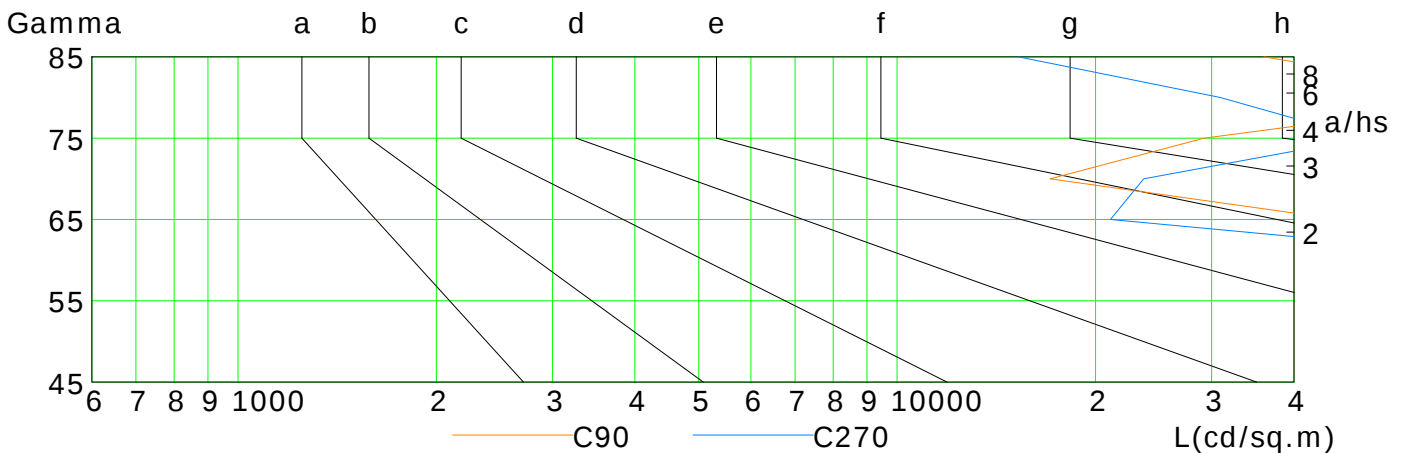
Luminous Intensity Distribution Curve(cd / klm)



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	35268	31115	26968	22641	18098	13412	8703	4520	1405
C90	84656	91649	117004	69175	47006	17063	29215	85449	36011
C180	34725	30581	26280	21837	17166	12345	7602	3499	899
C270	85860	84518	97471	97027	21071	23669	51136	30943	15280

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Test Type: TYPE C

Temperature:

Operator:

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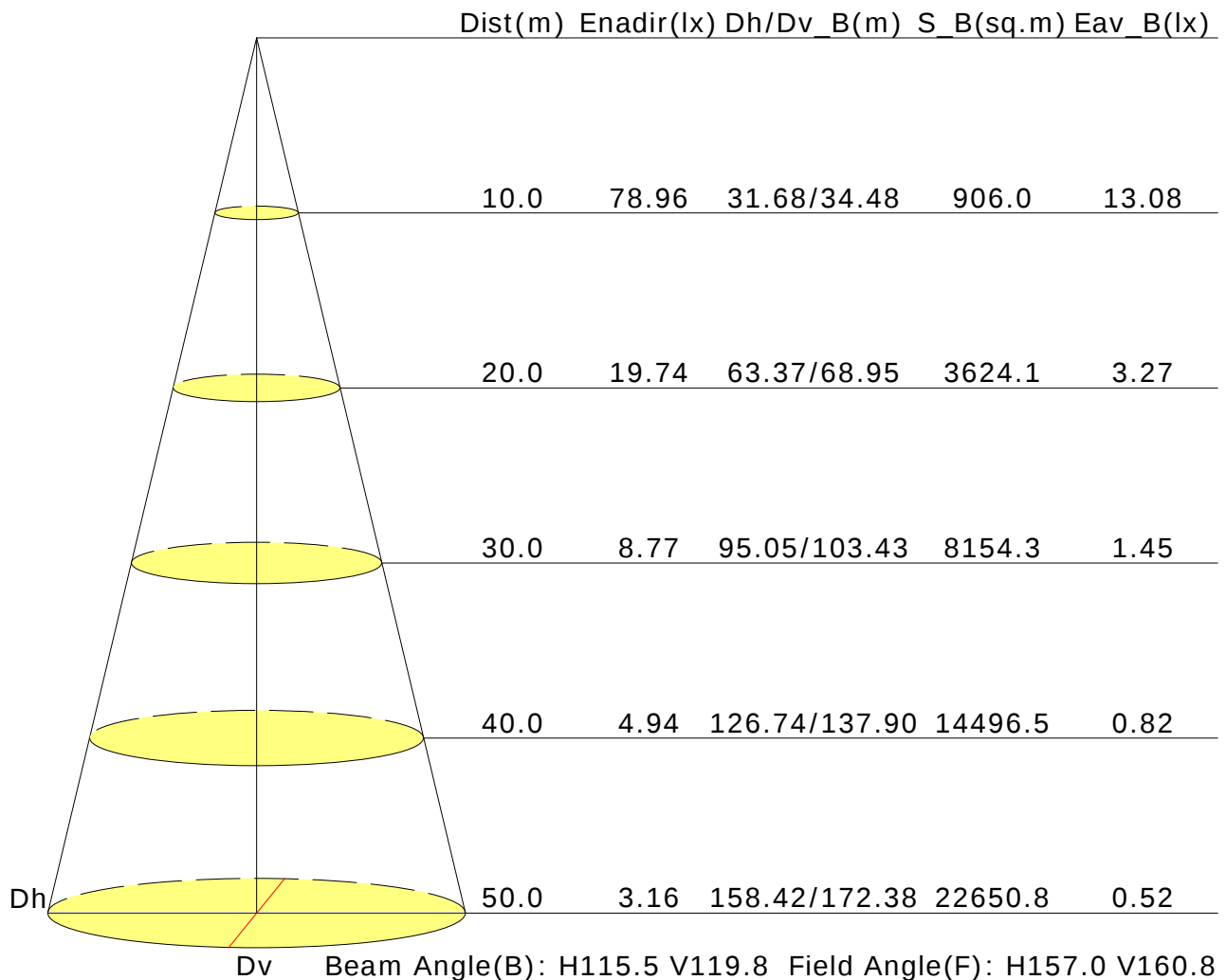
Test Device: LSG-1800B

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	24.2	25.5	24.5	25.8	26.1	26.9	28.3	27.3	28.6	28.8
3H	25.1	26.4	25.5	26.7	27.0	27.0	28.3	27.4	28.6	28.8
4H	25.4	26.6	25.8	26.9	27.2	27.3	28.4	27.6	28.7	29.1
6H	25.5	26.5	25.9	26.9	27.2	27.9	29.0	28.3	29.3	29.6
8H	25.5	26.5	25.8	26.8	27.2	28.1	29.1	28.5	29.5	29.8
12H	25.4	26.4	25.8	26.8	27.1	28.2	29.1	28.6	29.5	29.9
X=4H Y=2H	25.0	26.1	25.3	26.4	26.7	27.1	28.3	27.5	28.6	28.9
3H	25.9	26.9	26.3	27.3	27.6	27.3	28.3	27.7	28.6	29.0
4H	26.3	27.1	26.7	27.5	27.9	27.6	28.5	28.0	28.8	29.2
6H	26.3	27.1	26.8	27.5	27.9	28.3	29.1	28.7	29.5	29.9
8H	26.3	27.0	26.8	27.4	27.9	28.6	29.3	29.0	29.7	30.1
12H	26.3	26.9	26.8	27.4	27.8	28.7	29.3	29.1	29.7	30.2
X=8H Y=4H	26.2	26.9	26.7	27.4	27.8	27.5	28.2	28.0	28.7	29.1
6H	26.3	26.9	26.8	27.3	27.8	28.3	28.9	28.8	29.4	29.9
8H	26.3	26.8	26.8	27.3	27.8	28.7	29.2	29.2	29.7	30.2
12H	26.3	26.7	26.8	27.2	27.7	28.8	29.3	29.3	29.8	30.3
X=12H Y=4H	26.2	26.9	26.7	27.3	27.8	27.5	28.1	28.0	28.6	29.0
6H	26.3	26.8	26.8	27.3	27.8	28.3	28.8	28.8	29.3	29.8
8H	26.3	26.8	26.8	27.3	27.8	28.7	29.1	29.2	29.6	30.1
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.3					+0.7/-0.7				
S=1.5H	+0.4/-0.9					+1.9/-1.8				
S=2.0H	+1.1/-2.3					+3.4/-4.9				

Calculate in accordance with CIE Pub.117. The table is revised with 22399lm ($8\log(F/F_0) = 10.8$).

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Temperature:

Operator:

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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 = 1.25									
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	0.57	0.68	0.75	0.81	0.88	0.93	0.97	1.01	1.04	
	0.30		0.49	0.60	0.68	0.74	0.82	0.88	0.92	0.97	1.00	
	0.20		0.43	0.55	0.63	0.69	0.77	0.83	0.88	0.94	0.97	
0.50	0.50	0.20	0.55	0.66	0.73	0.78	0.85	0.90	0.93	0.97	0.99	
	0.30		0.48	0.59	0.67	0.72	0.80	0.85	0.89	0.94	0.97	
	0.20		0.43	0.54	0.62	0.68	0.76	0.81	0.85	0.91	0.94	
0.30	0.50	0.20	0.54	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95	
	0.30		0.47	0.58	0.65	0.70	0.78	0.83	0.86	0.90	0.93	
	0.20		0.43	0.53	0.61	0.66	0.74	0.79	0.83	0.88	0.91	
0.00	0.00	0.00	0.40	0.51	0.58	0.63	0.70	0.75	0.79	0.83	0.86	
Rating:152W 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	0.99	0.81	0.68	0.59	0.47	0.39	0.33	0.25	0.21	
	0.30		0.83	0.69	0.59	0.52	0.42	0.35	0.31	0.24	0.20	
	0.20		0.71	0.60	0.53	0.47	0.39	0.33	0.28	0.23	0.19	
0.50	0.50	0.20	0.95	0.77	0.65	0.56	0.45	0.40	0.31	0.24	0.20	
	0.30		0.81	0.67	0.58	0.51	0.41	0.34	0.29	0.23	0.19	
	0.20		0.70	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.92	0.74	0.63	0.54	0.42	0.35	0.30	0.23	0.19	
	0.30		0.79	0.65	0.56	0.49	0.39	0.33	0.28	0.22	0.18	
	0.20		0.69	0.58	0.51	0.45	0.36	0.31	0.27	0.21	0.17	
0.00	0.00	0.00	0.59	0.49	0.41	0.36	0.29	0.24	0.20	0.16	0.13	
Rating:152W 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	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	
	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	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	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	0.13	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:152W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												