

Report No.: 1

Test Time: 17.06.2019 14:32

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FI 135 40LED 50W 5000K matoviy

Luminous Length (mm): 1280

Luminous Width (mm): 135

Luminous Height (mm): 100

Voltage: 221.4 V

Current: 0.224 A

Power: 48.98 W

Power Factor: 0.983

Photometric Results

CIE Class: Direct

Measurement Flux: 6061.6 lm

Downward Ratio: 92%

Total Rated Lamp Lumens: 6061.6 lm

Efficiency: 100%

Upward Ratio: 8%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 218.2, 196.8, 192.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.7, 124.2, 116.0, 114.8

Luminaire Efficacy Rating (LER): 123.81

Central Intensity: 1767.96 cd

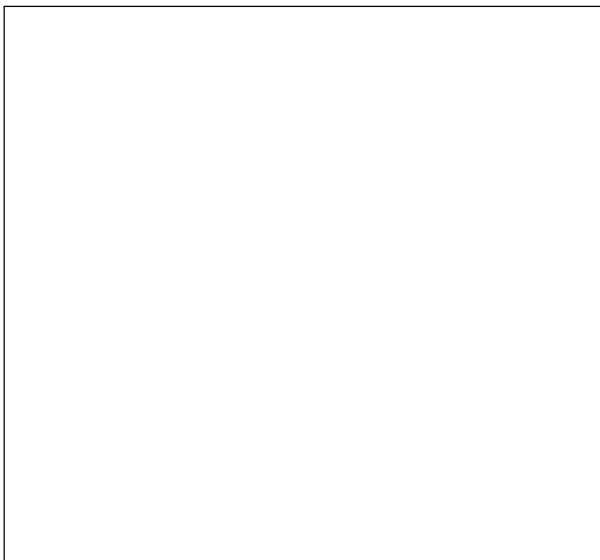
Max. Intensity: 1801.15 cd

Pos of Max. Intensity: H270 V11

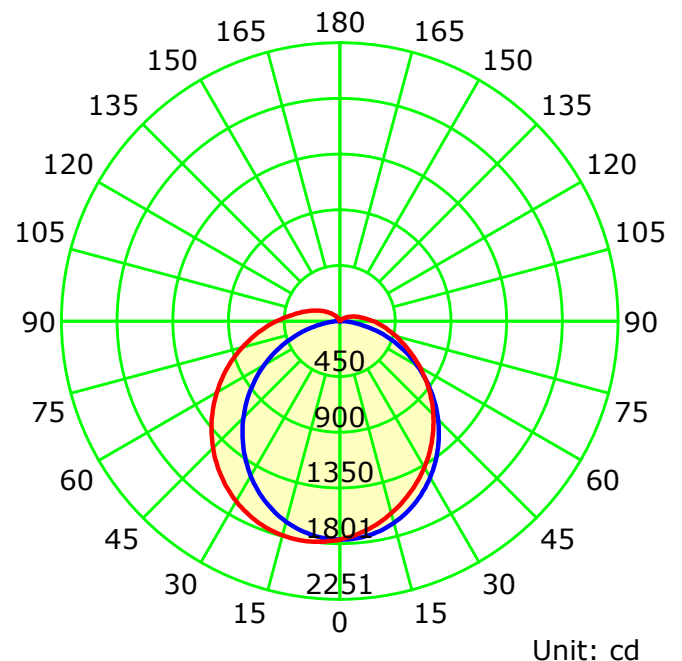
S/MH(C0/C180): 1.22

S/MH(C90/C270): 1.28

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

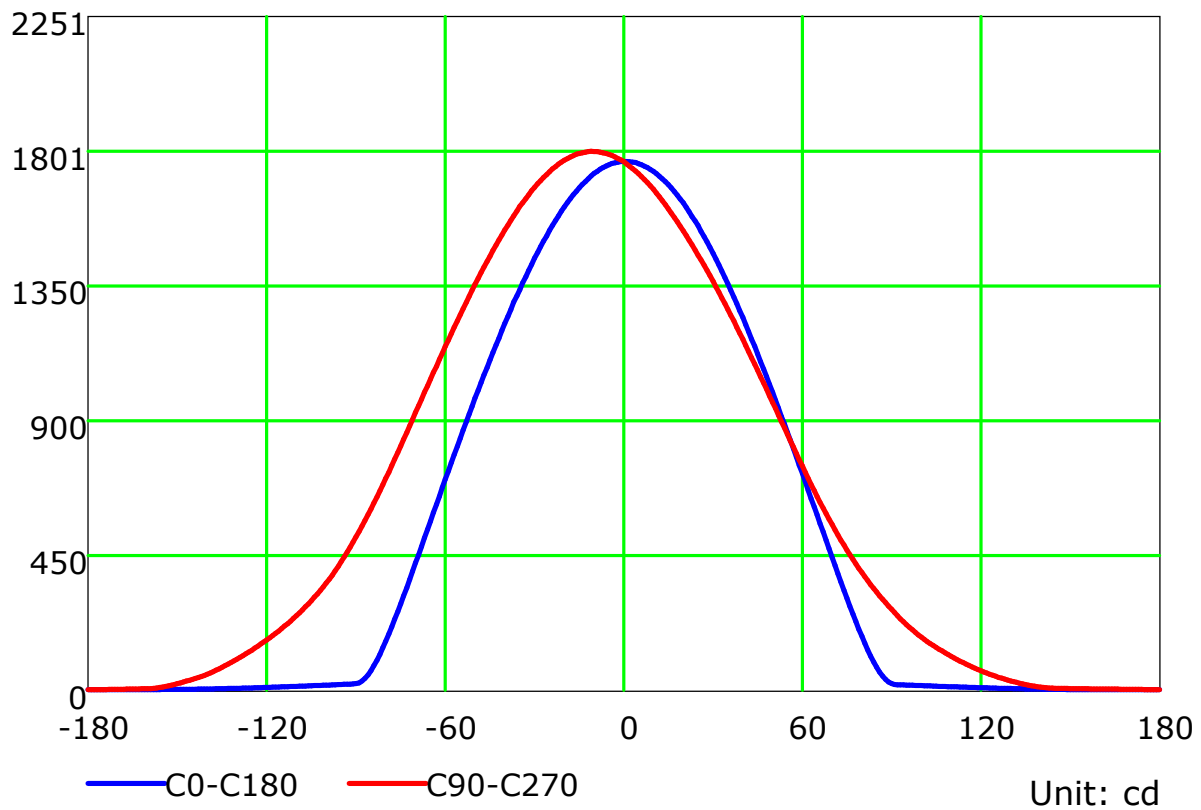
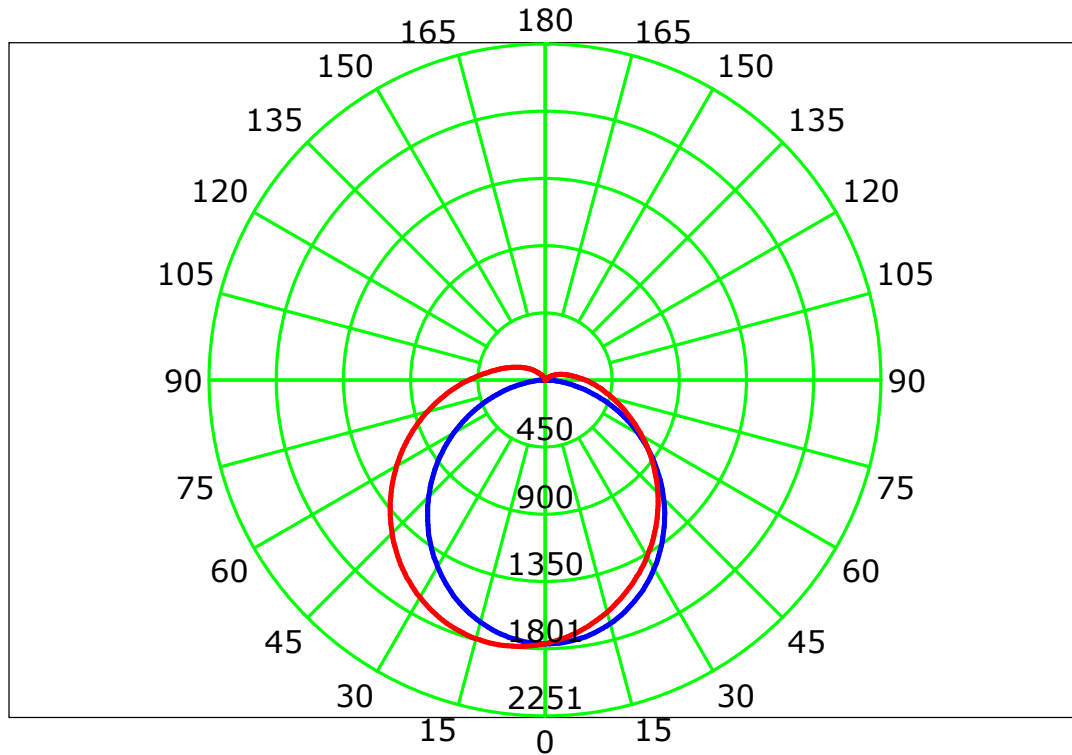
Test Device: LSG-1800B

Distance: 12.654 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 (°):0.0-180.0:1.0

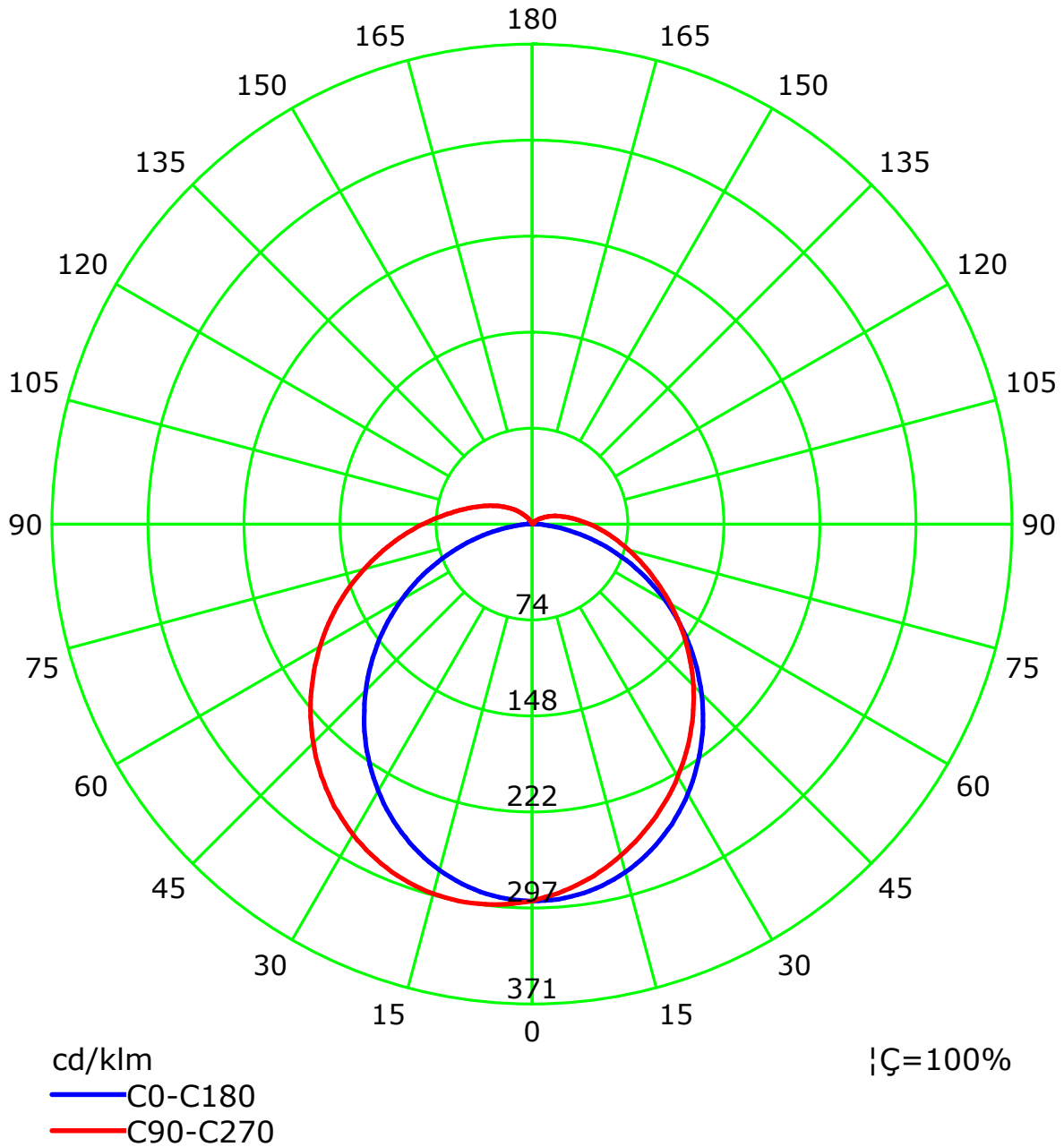
Test Device: LSG-1800B

Distance: 12.654 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

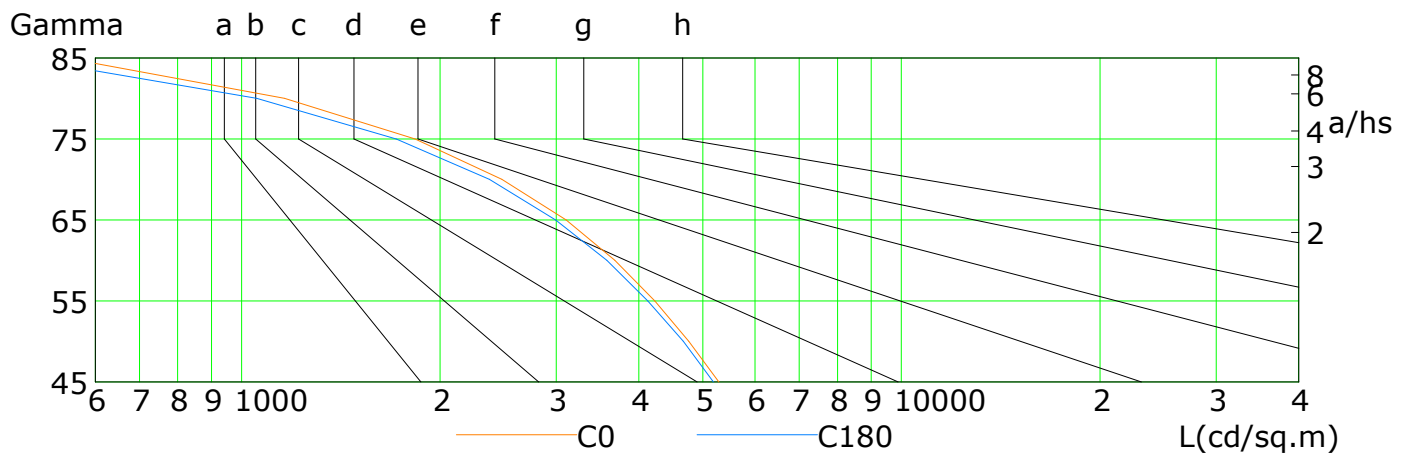
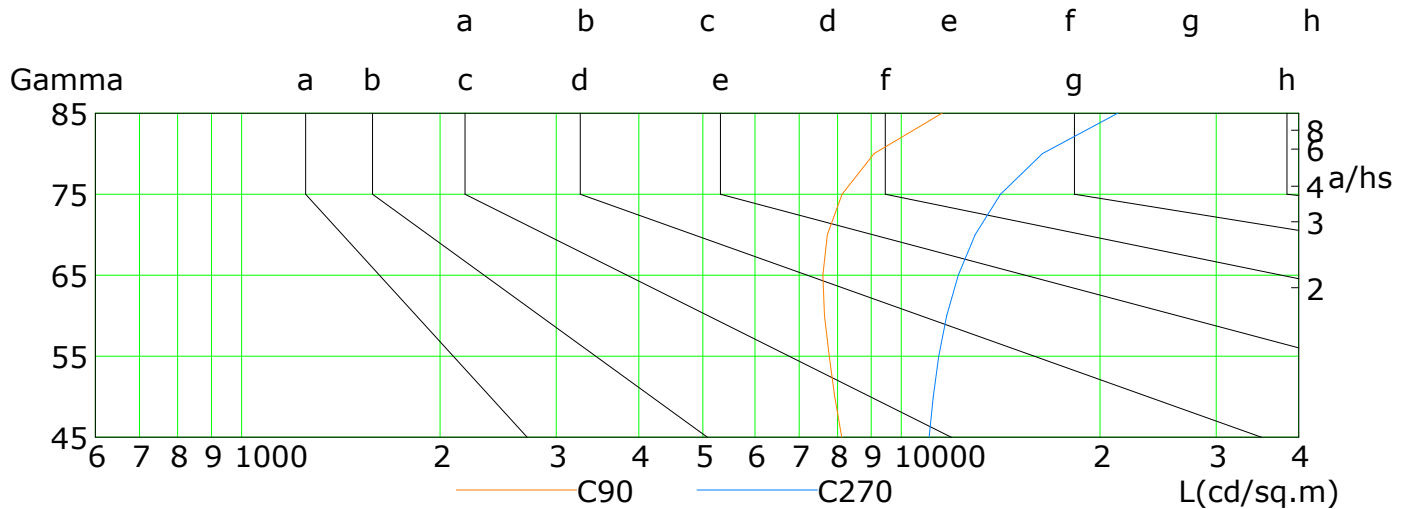
Distance: 12.654 m

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	5286	4763	4229	3679	3104	2480	1832	1162	543
C90	8125	7923	7772	7647	7601	7725	8126	9092	11519
C180	5192	4670	4129	3578	2992	2375	1716	1054	465
C270	11017	11177	11393	11713	12201	12933	14138	16366	21270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

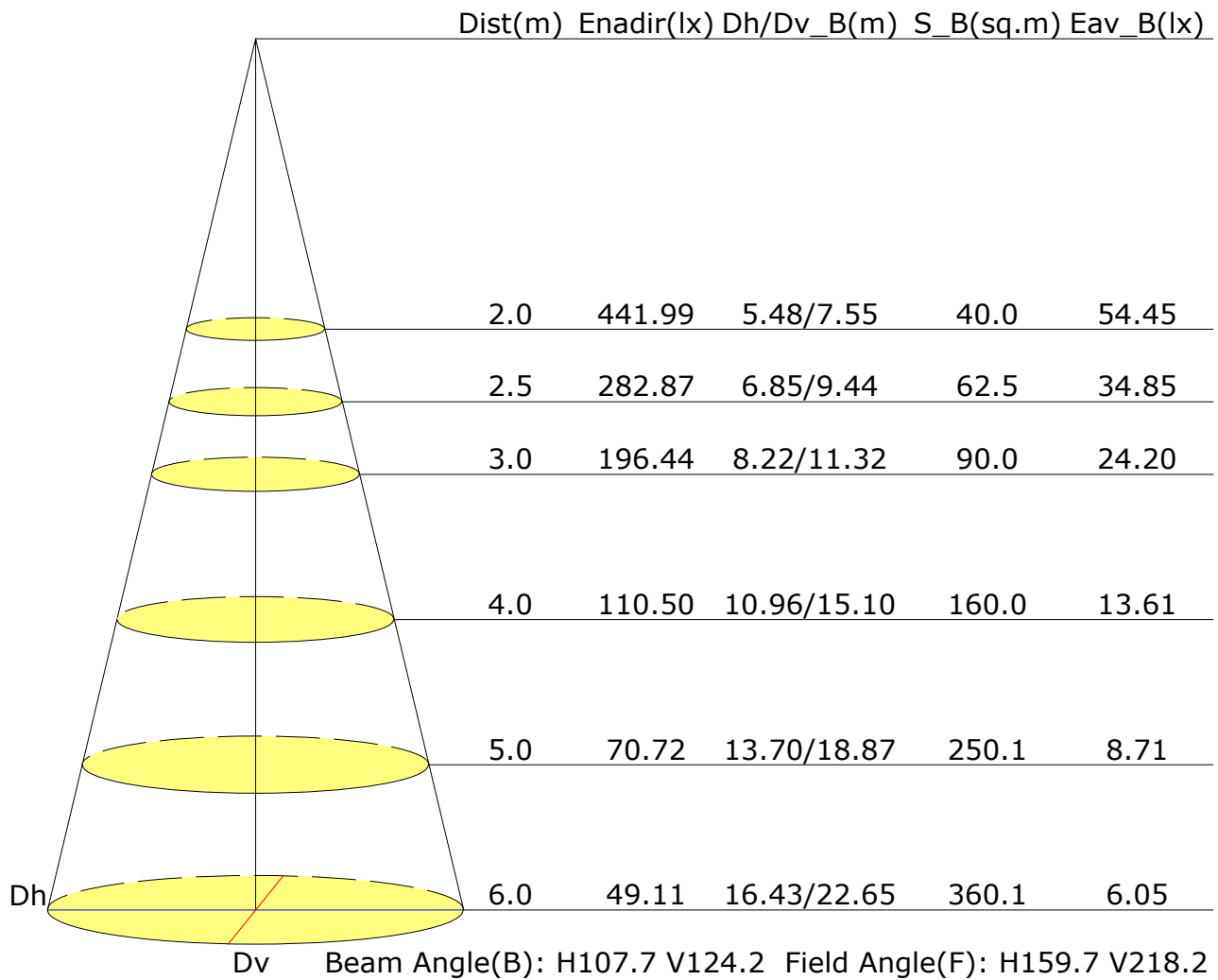
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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	17.0	18.3	17.4	18.7	19.1	19.4	20.7	19.8	21.1	21.5
3H	18.1	19.3	18.5	19.7	20.2	21.5	22.7	22.0	23.2	23.6
4H	18.4	19.6	18.9	20.0	20.5	22.6	23.8	23.1	24.2	24.7
6H	18.6	19.7	19.1	20.2	20.7	23.8	24.9	24.3	25.3	25.8
8H	18.7	19.7	19.2	20.2	20.7	24.4	25.4	24.9	25.9	26.4
12H	18.7	19.7	19.2	20.2	20.7	25.0	26.0	25.5	26.5	27.0
X=4H Y=2H	17.8	19.0	18.3	19.4	19.9	19.7	20.9	20.2	21.3	21.8
3H	19.1	20.1	19.6	20.6	21.1	22.1	23.1	22.6	23.5	24.0
4H	19.6	20.5	20.2	21.0	21.6	23.3	24.2	23.8	24.7	25.3
6H	19.9	20.8	20.5	21.3	21.9	24.6	25.4	25.2	26.0	26.5
8H	20.0	20.8	20.6	21.3	21.9	25.3	26.1	25.9	26.6	27.2
12H	20.1	20.7	20.6	21.3	21.9	26.1	26.8	26.7	27.3	27.9
X=8H Y=4H	20.2	21.0	20.8	21.5	22.1	23.4	24.2	24.0	24.7	25.3
6H	20.7	21.4	21.3	21.9	22.6	24.9	25.6	25.5	26.1	26.8
8H	20.9	21.5	21.5	22.0	22.7	25.8	26.3	26.4	26.9	27.6
12H	21.0	21.5	21.6	22.1	22.8	26.7	27.2	27.3	27.8	28.4
X=12H Y=4H	20.4	21.1	21.0	21.6	22.2	23.4	24.1	24.0	24.7	25.3
6H	21.0	21.6	21.6	22.1	22.8	25.0	25.5	25.6	26.1	26.8
8H	21.2	21.7	21.9	22.3	23.0	25.8	26.3	26.4	26.9	27.6
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.3/-0.4				
S=1.5H	+0.3/-0.6					+0.7/-0.7				
S=2.0H	+0.5/-1.0					+1.0/-1.3				

Calculate in accordance with CIE Pub.117. The table is revised with 6062lm ($8\log(F/F_0) = 6.3$).

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