

Report No.: 1

Test Time: 31.05.2019 10:39

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FI 135 44W 5000K matoviy

Lamp Description: LED

Luminous Width (mm): 135

Voltage: 220.8 V

Power: 44.64 W

Luminous Length (mm): 1280

Luminous Height (mm): 100

Current: 0.205 A

Power Factor: 0.984

Photometric Results

CIE Class: Direct

Measurement Flux: 5619.5 lm

Downward Ratio: 92%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.1, 217.1, 186.5, 202.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.1, 124.7, 113.0, 118.1

Luminaire Efficacy Rating (LER): 125.93

Max. Intensity: 1664.1 cd

S/MH(C0/C180): 1.22

Total Rated Lamp Lumens: 5619.5 lm

Efficiency: 100%

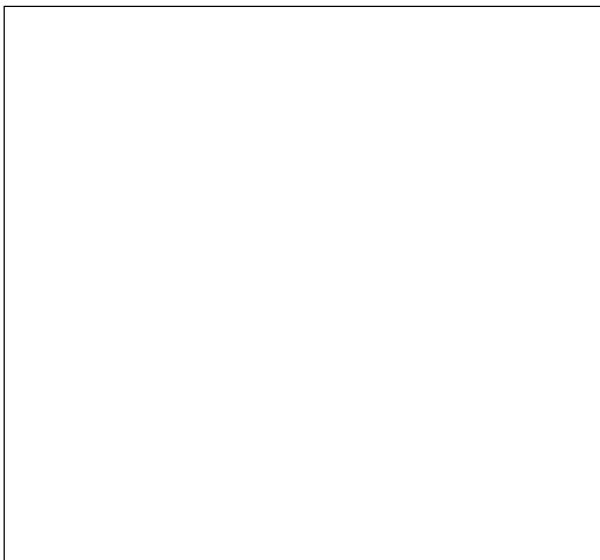
Upward Ratio: 8%

Central Intensity: 1653.54 cd

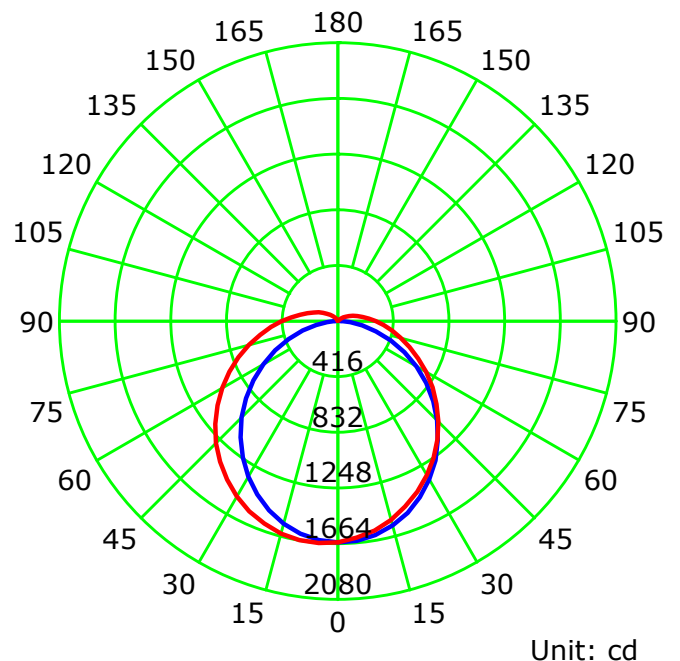
Pos of Max. Intensity: H270 V5

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 (°):0.0-180.0:5.0

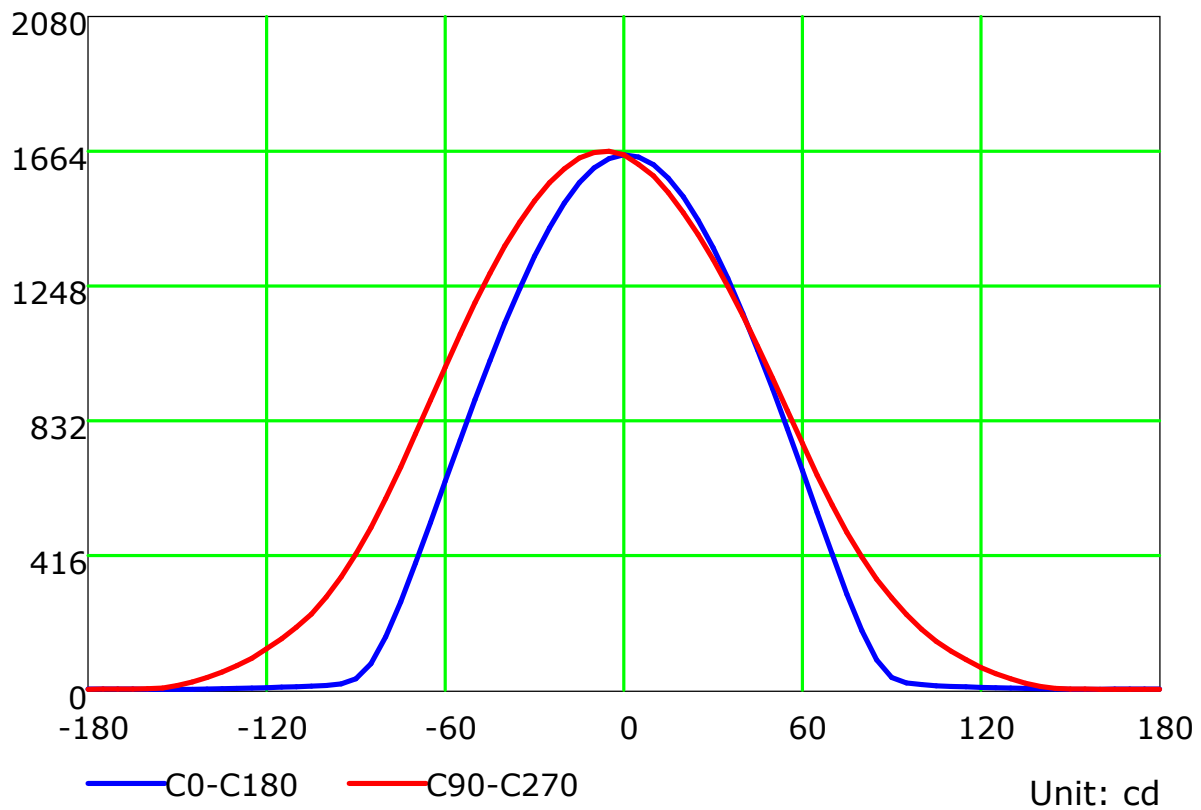
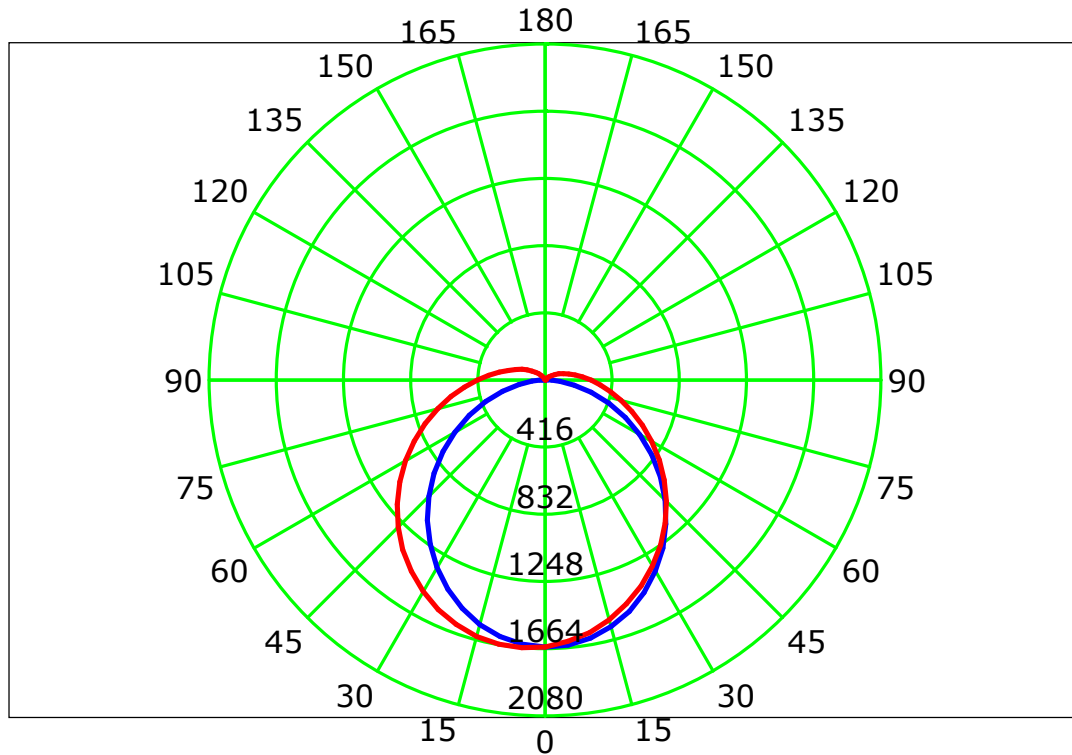
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

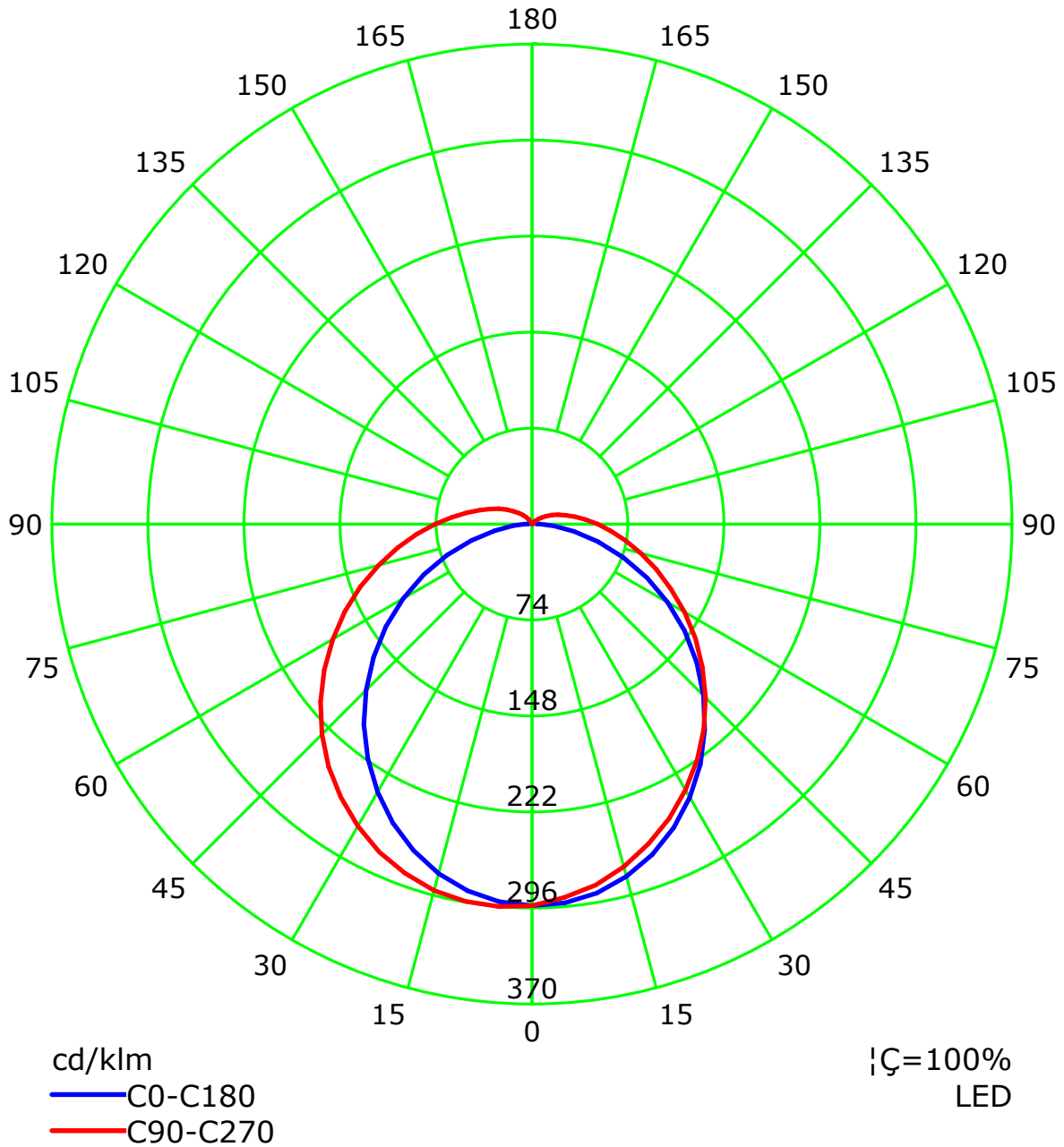
Distance: 12.654 m

Humidity:

Inspector:

Unit: cd

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

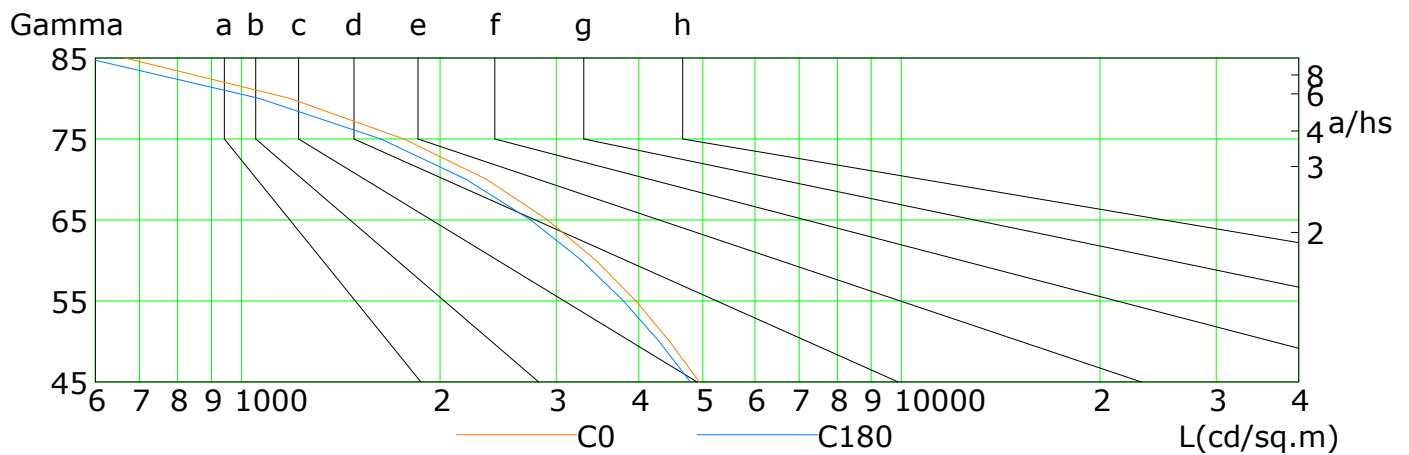
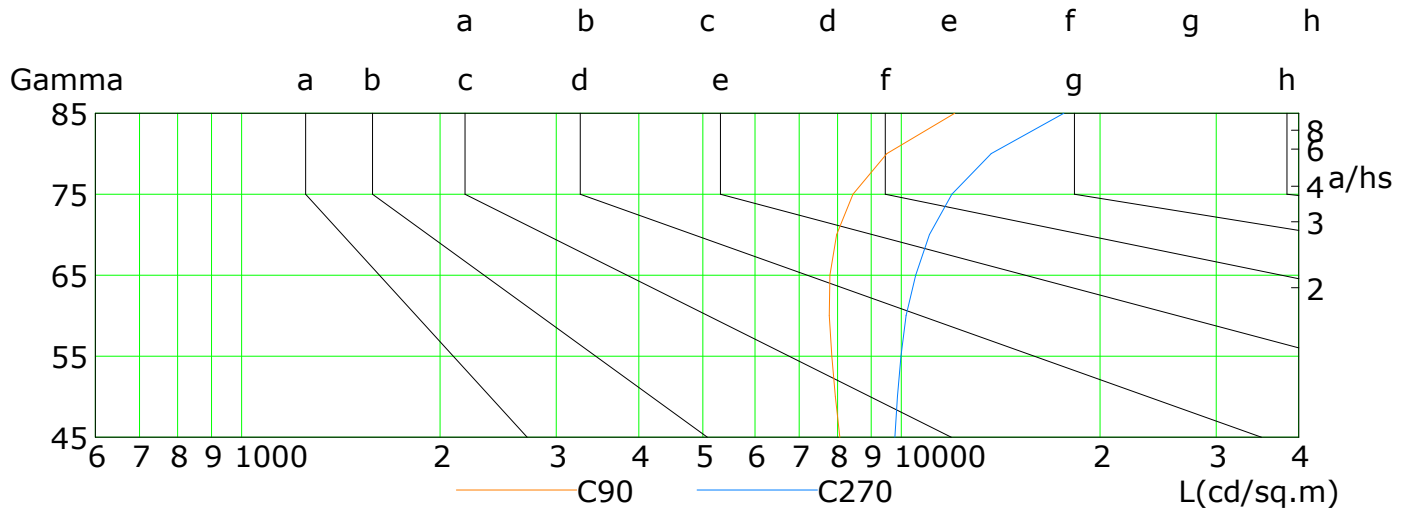
Distance: 12.654 m

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	4941	4454	3959	3443	2909	2350	1762	1183	665
C90	8070	7941	7845	7779	7794	7974	8440	9510	12053
C180	4786	4292	3791	3275	2741	2189	1626	1062	582
C270	9780	9860	9985	10169	10508	11034	11924	13677	17627

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

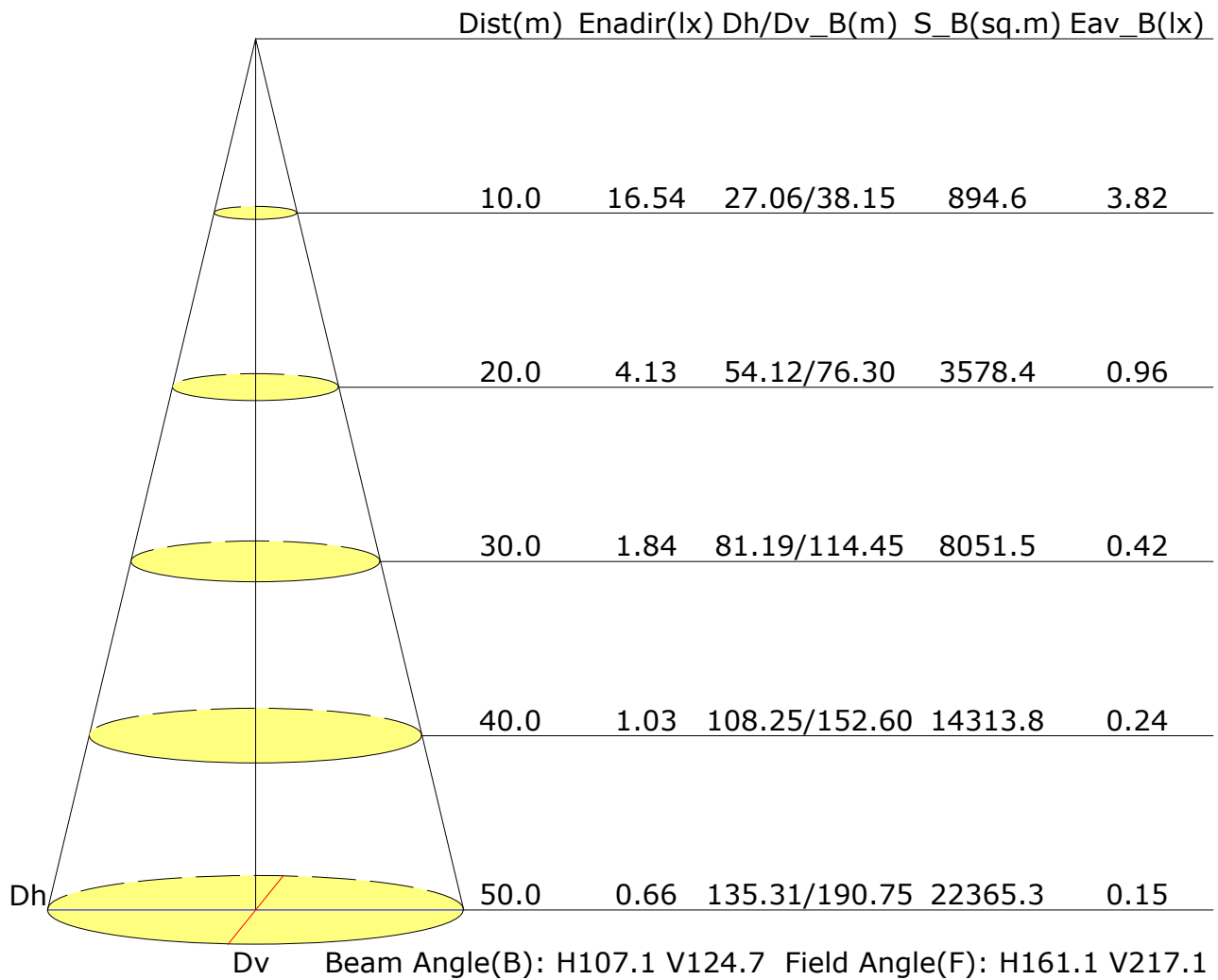
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

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	16.7	18.1	17.1	18.5	18.9	19.1	20.4	19.5	20.8	21.2
3H	17.9	19.1	18.3	19.5	19.9	21.2	22.4	21.6	22.8	23.3
4H	18.3	19.4	18.7	19.8	20.3	22.3	23.4	22.7	23.9	24.3
6H	18.5	19.6	19.0	20.0	20.5	23.4	24.5	23.9	24.9	25.4
8H	18.5	19.6	19.0	20.1	20.5	24.0	25.0	24.5	25.5	26.0
12H	18.6	19.6	19.1	20.0	20.6	24.6	25.6	25.1	26.1	26.6
X=4H Y=2H	17.6	18.8	18.1	19.2	19.7	19.4	20.6	19.9	21.0	21.5
3H	18.9	19.9	19.4	20.4	20.9	21.7	22.7	22.2	23.2	23.7
4H	19.4	20.3	20.0	20.8	21.4	23.0	23.9	23.5	24.4	24.9
6H	19.8	20.6	20.3	21.1	21.7	24.3	25.1	24.8	25.6	26.2
8H	19.9	20.7	20.5	21.2	21.8	24.9	25.7	25.5	26.2	26.8
12H	20.0	20.6	20.5	21.2	21.8	25.7	26.3	26.2	26.9	27.5
X=8H Y=4H	20.0	20.8	20.6	21.3	21.9	23.1	23.9	23.7	24.4	25.0
6H	20.6	21.2	21.2	21.8	22.4	24.6	25.2	25.2	25.8	26.4
8H	20.8	21.3	21.4	21.9	22.6	25.4	25.9	26.0	26.5	27.2
12H	20.9	21.4	21.5	22.0	22.7	26.3	26.7	26.9	27.3	28.0
X=12H Y=4H	20.2	20.9	20.7	21.4	22.0	23.1	23.8	23.7	24.3	24.9
6H	20.8	21.4	21.4	22.0	22.6	24.6	25.2	25.2	25.7	26.4
8H	21.1	21.6	21.7	22.2	22.9	25.5	25.9	26.1	26.5	27.2
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.3/-0.3				
S=1.5H	+0.3/-0.6					+0.6/-0.6				
S=2.0H	+0.5/-1.0					+0.9/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 5619lm ($8\log(F/F_0) = 6.0$).

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