

Report No.: 1

Test Time: 30.07.2019 15:33

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 58 2x152 LED 75W 4000K bes stekla

Lamp Description: LED

Luminous Width (mm): 76

Voltage: 221.4 V

Power: 73.63 W

Luminous Length (mm): 1500

Luminous Height (mm): 60

Current: 0.339 A

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 11304.6 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.5, 139.6, 148.9, 150.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 118.9, 118.8, 118.8, 118.7

Luminaire Efficacy Rating (LER): 153.58

Max. Intensity: 3863.67 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 11304.6 lm

Efficiency: 100%

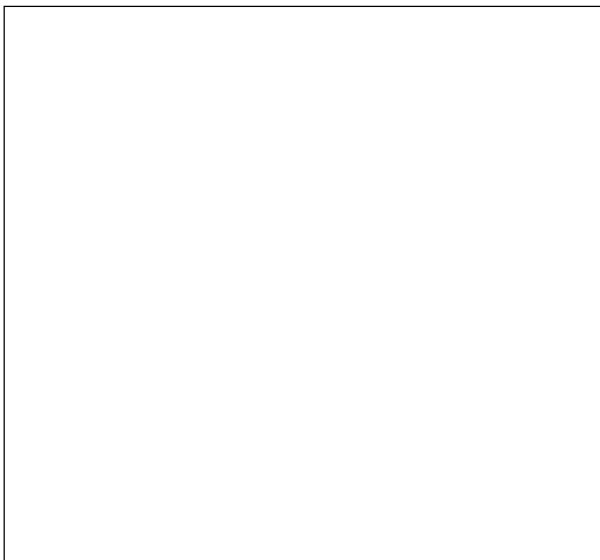
Upward Ratio: 0%

Central Intensity: 3855.71 cd

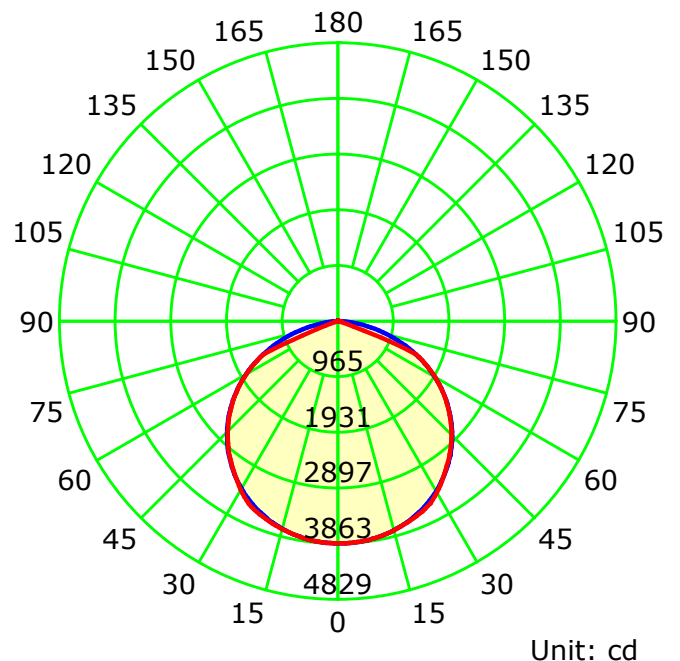
Pos of Max. Intensity: H315 V2

S/MH(C90/C270): 1.30

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

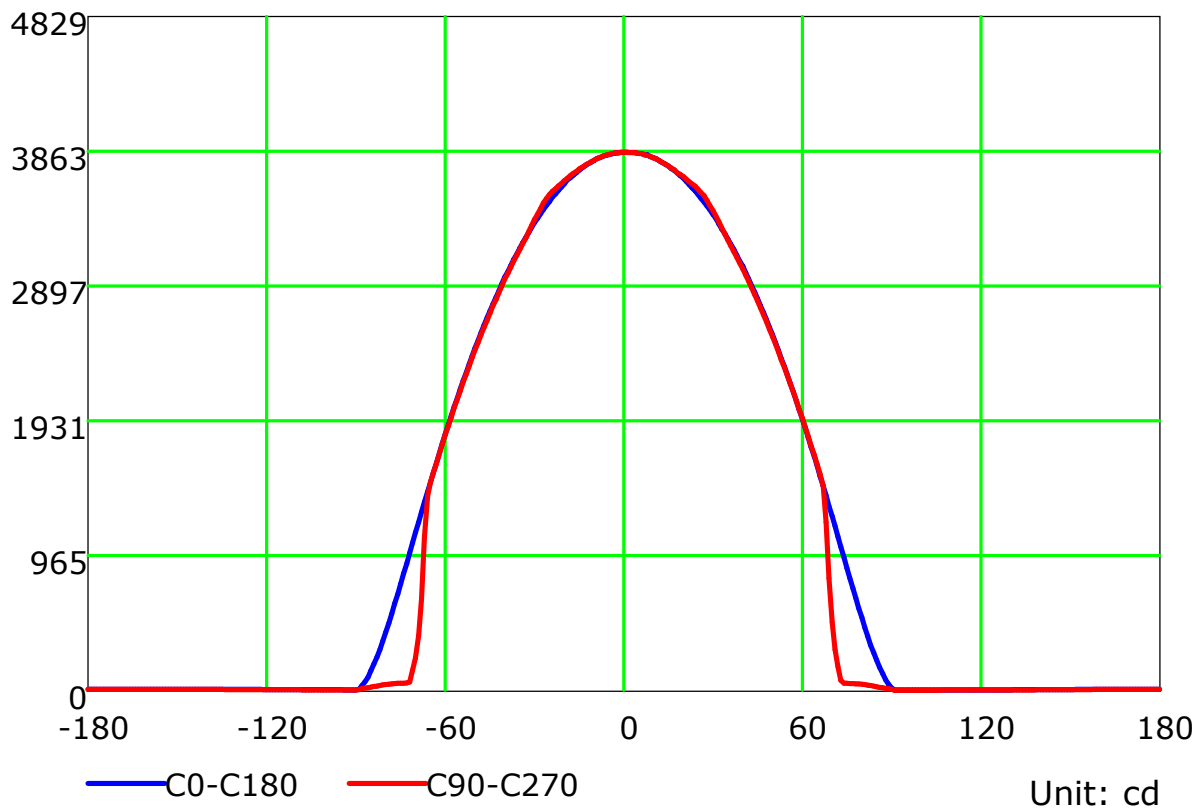
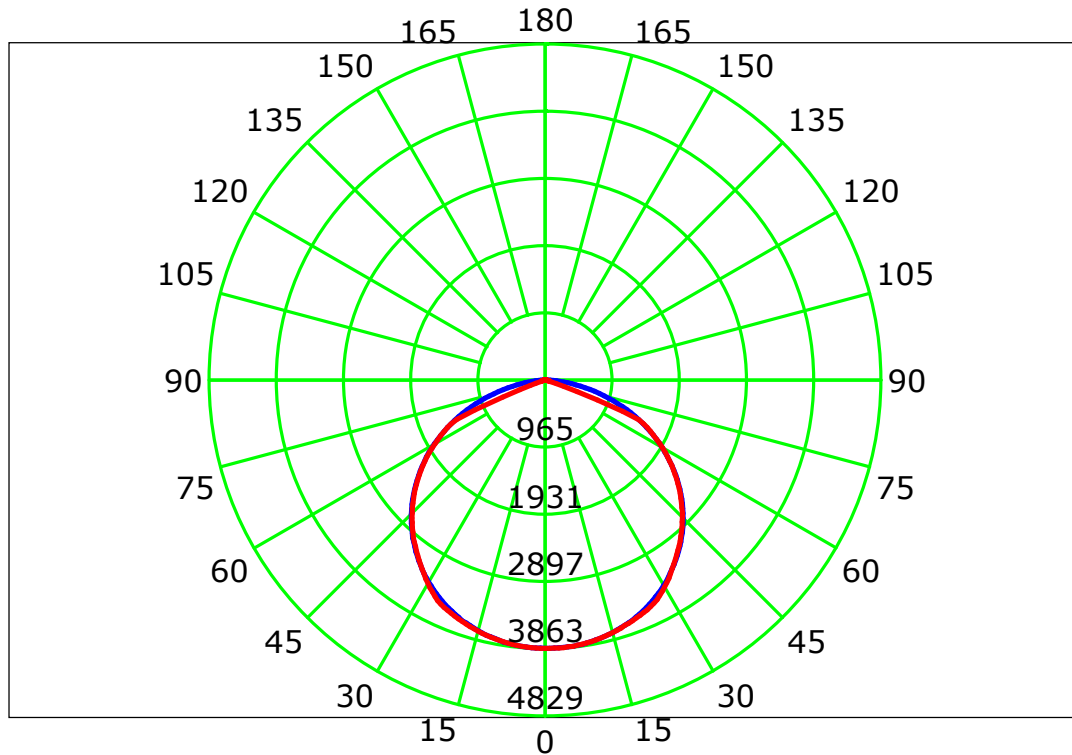
Test Device: LSG-1800B

Distance: 12.677 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

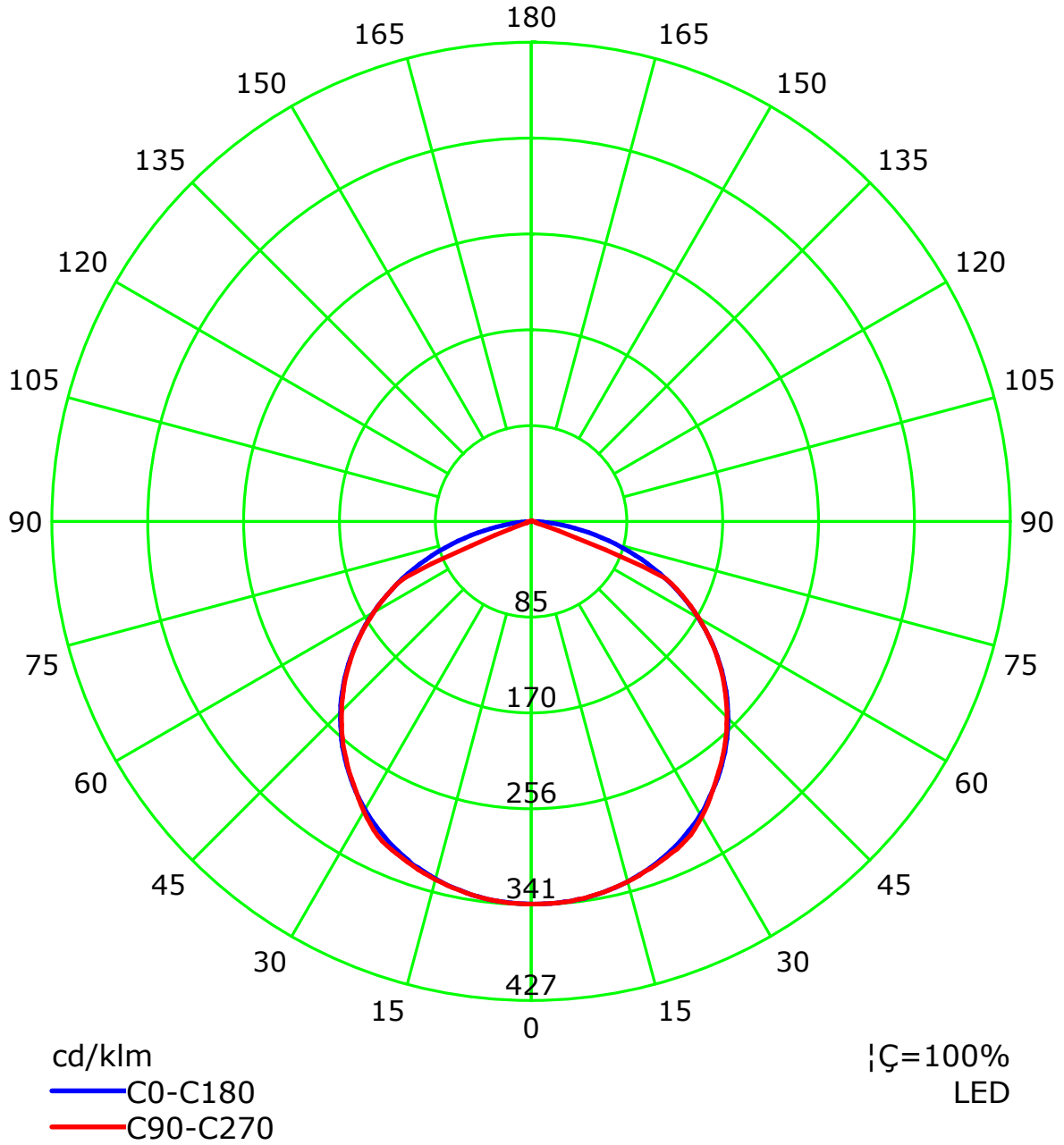
Test Device: LSG-1800B

Distance: 12.677 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:

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Test Device: LSG-1800B

Distance: 12.677 m

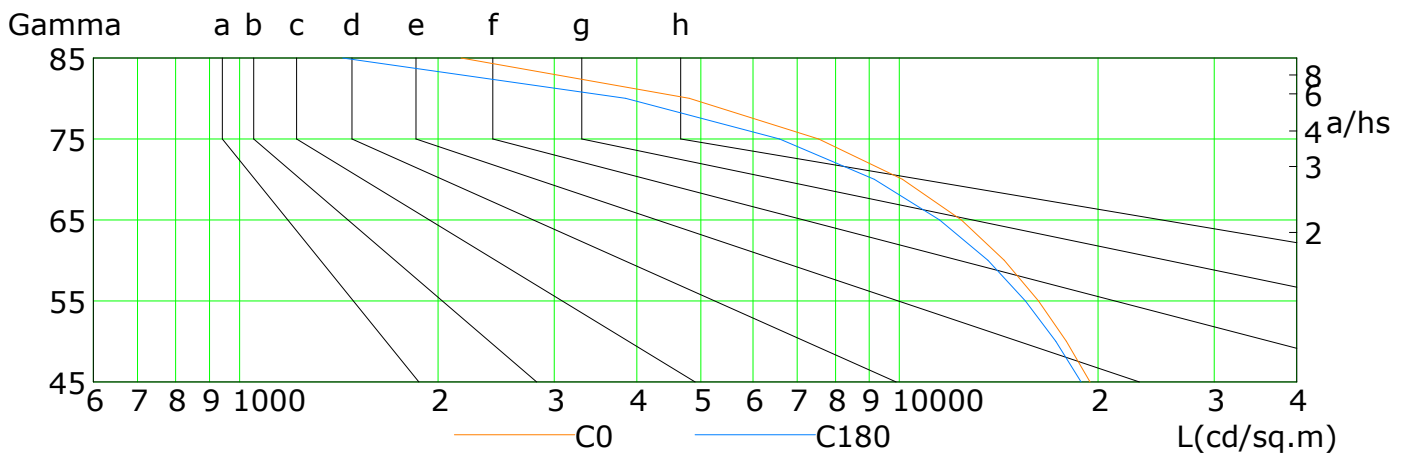
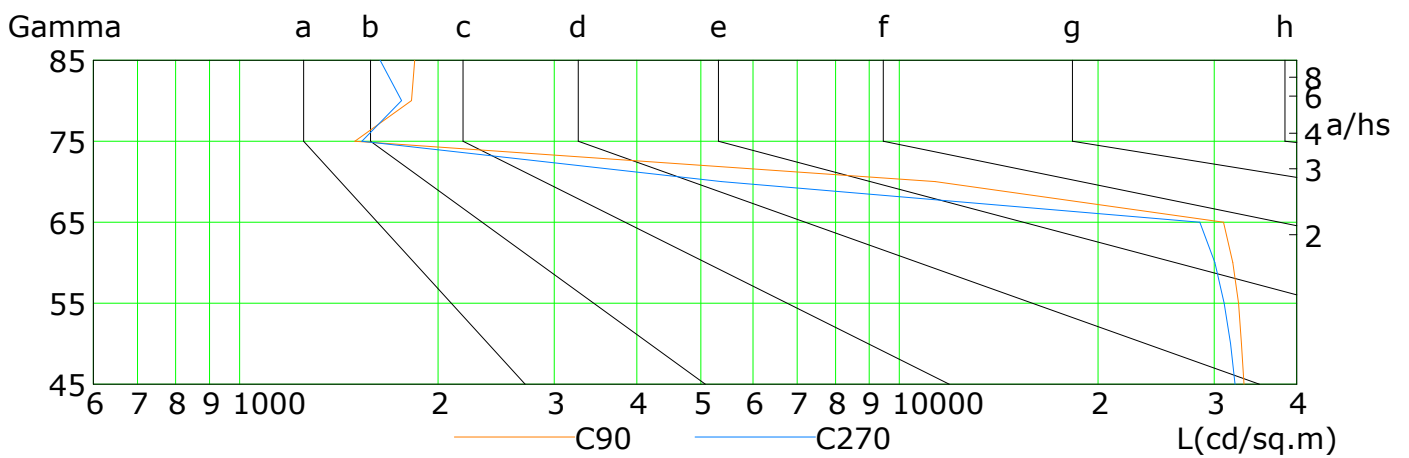
Humidity:

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	19458	17915	16249	14411	12417	10110	7542	4805	2166
C90	33298	33006	32649	32019	30993	11329	1495	1822	1843
C180	18852	17257	15528	13619	11508	9162	6580	3847	1433
C270	32244	31775	31064	30054	28547	5369	1533	1759	1633

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

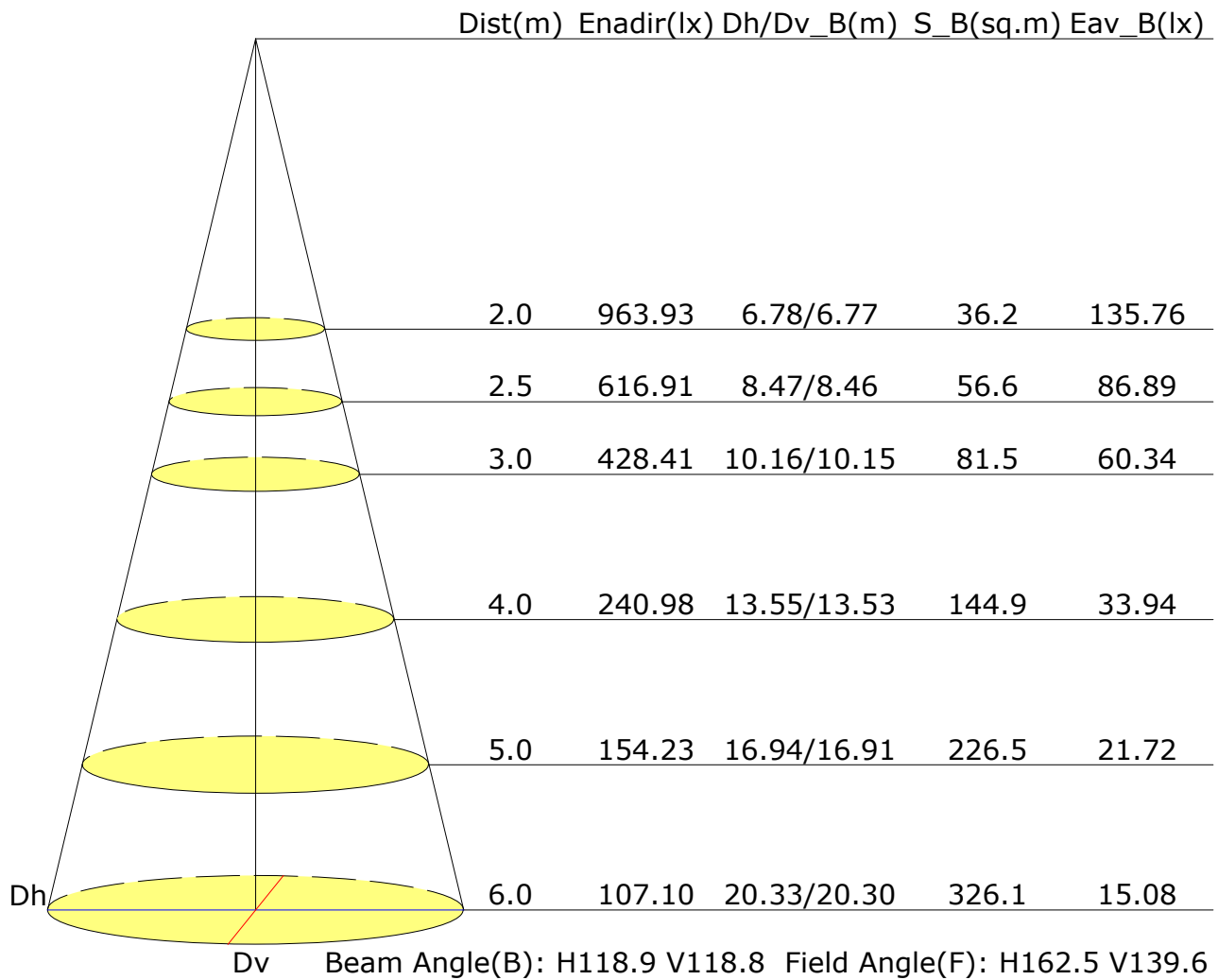
Test Device: LSG-1800B

Distance: 12.677 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: 12.677 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	22.7	24.1	23.0	24.4	24.6	24.0	25.4	24.3	25.6	25.9
3H	24.0	25.2	24.3	25.5	25.8	25.0	26.2	25.3	26.5	26.8
4H	24.4	25.5	24.7	25.8	26.1	24.9	26.1	25.3	26.4	26.7
6H	24.6	25.7	25.0	26.0	26.3	24.8	25.9	25.2	26.2	26.5
8H	24.6	25.7	25.0	26.0	26.3	24.8	25.8	25.2	26.2	26.5
12H	24.6	25.6	25.0	26.0	26.3	24.7	25.7	25.1	26.1	26.4
X=4H Y=2H	23.4	24.6	23.8	24.9	25.2	24.4	25.6	24.8	25.9	26.2
3H	24.8	25.8	25.2	26.1	26.5	25.5	26.5	25.8	26.8	27.1
4H	25.3	26.2	25.7	26.5	26.9	25.4	26.3	25.8	26.7	27.0
6H	25.6	26.4	26.0	26.8	27.2	25.3	26.1	25.8	26.5	26.9
8H	25.6	26.3	26.1	26.8	27.2	25.3	26.0	25.7	26.4	26.9
12H	25.6	26.3	26.1	26.7	27.2	25.3	25.9	25.7	26.3	26.8
X=8H Y=4H	25.3	26.0	25.8	26.4	26.9	25.4	26.2	25.9	26.6	27.0
6H	25.7	26.3	26.2	26.7	27.2	25.4	26.0	25.9	26.4	26.9
8H	25.8	26.3	26.2	26.7	27.2	25.4	25.9	25.8	26.3	26.8
12H	25.8	26.2	26.3	26.7	27.2	25.3	25.8	25.8	26.2	26.8
X=12H Y=4H	25.3	25.9	25.7	26.4	26.8	25.4	26.1	25.9	26.5	26.9
6H	25.7	26.2	26.1	26.6	27.1	25.4	25.9	25.9	26.3	26.8
8H	25.7	26.2	26.2	26.6	27.1	25.3	25.8	25.8	26.3	26.8
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.3/-0.3				
S=1.5H	+0.4/-0.7					+0.5/-0.4				
S=2.0H	+0.7/-1.1					+1.3/-2.5				

Calculate in accordance with CIE Pub.117. The table is revised with 11305Im ($8\log(F/F_0) = 8.4$).

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 Test Device: LSG-1800B
 Distance: 12.677 m
 Humidity:
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