

Report No.: 1

Test Time: 23.07.2019 11:44

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 58 2x76 LED 24W 4000K bes stekla

Lamp Description: LED

Luminous Width (mm): 76

Voltage: 221.6 V

Power: 23.60 W

Luminous Length (mm): 1500

Luminous Height (mm): 60

Current: 0.109 A

Power Factor: 0.970

Photometric Results

CIE Class: Direct

Measurement Flux: 3785.9 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.5, 140.8, 158.5, 142.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 120.5, 118.9, 118.9, 119.0

Luminaire Efficacy Rating (LER): 160.47

Max. Intensity: 1297.53 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 3785.9 lm

Efficiency: 100%

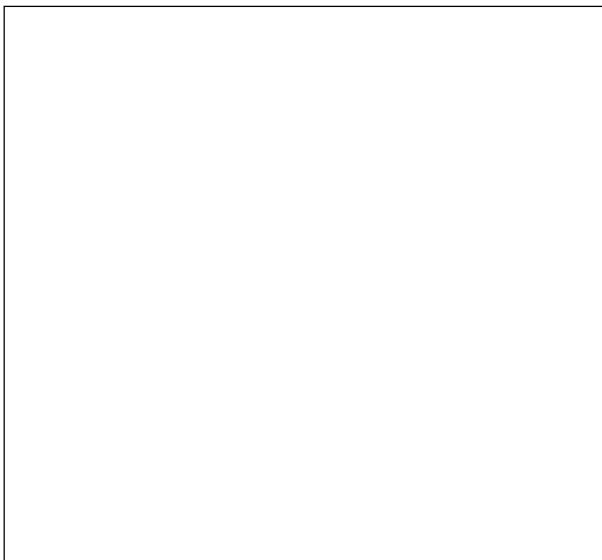
Upward Ratio: 0%

Central Intensity: 1292.31 cd

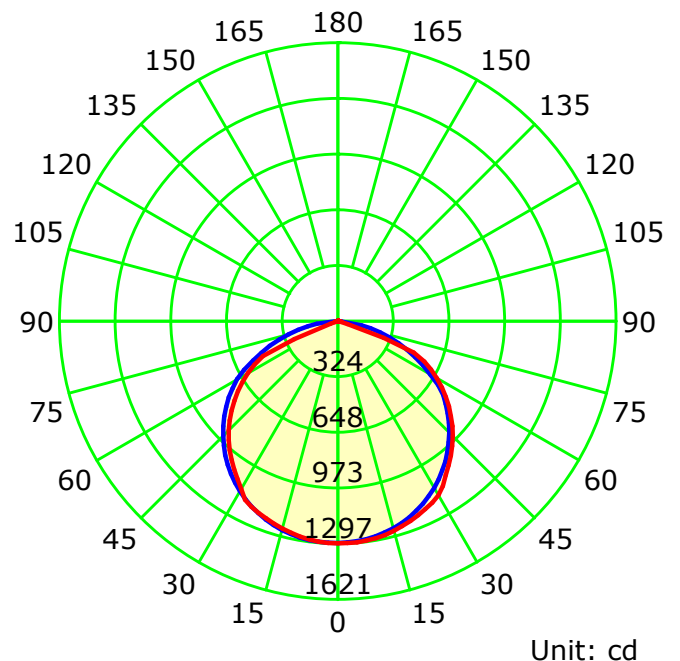
Pos of Max. Intensity: H157.5 V2.5

S/MH(C90/C270): 1.31

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 (°):0.0-180.0:2.5

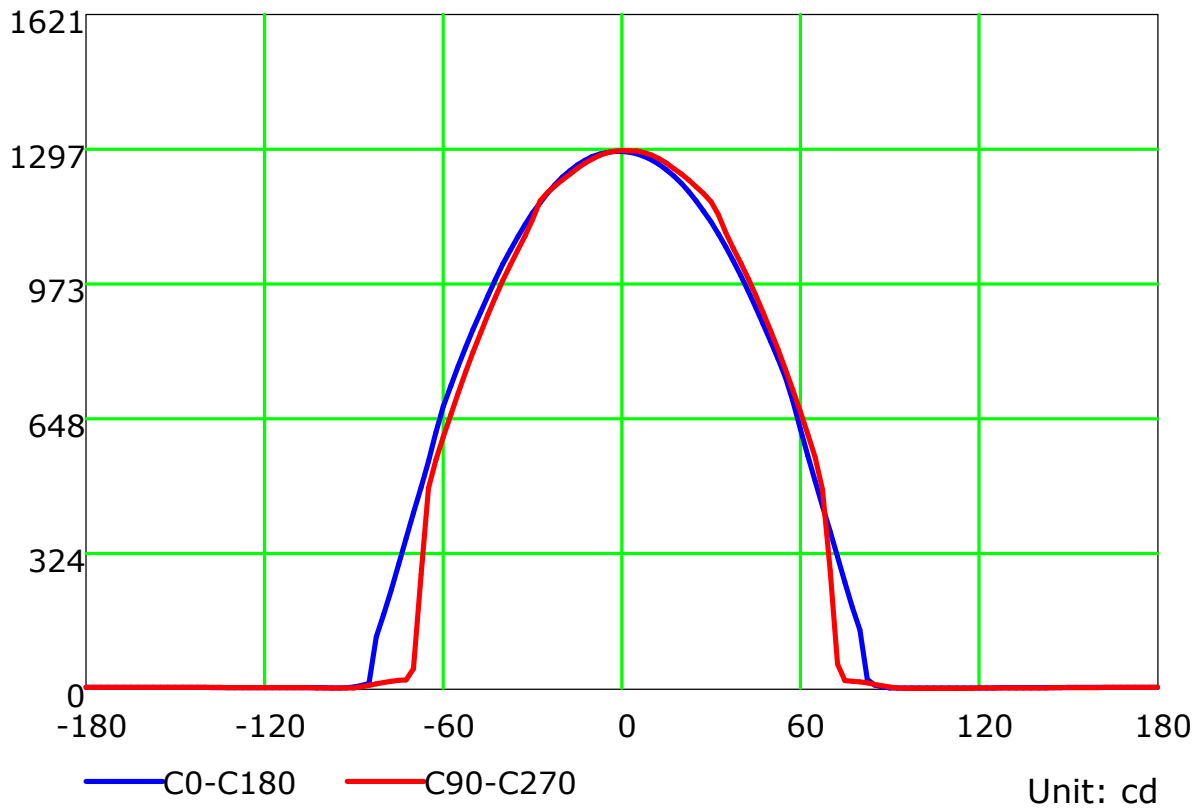
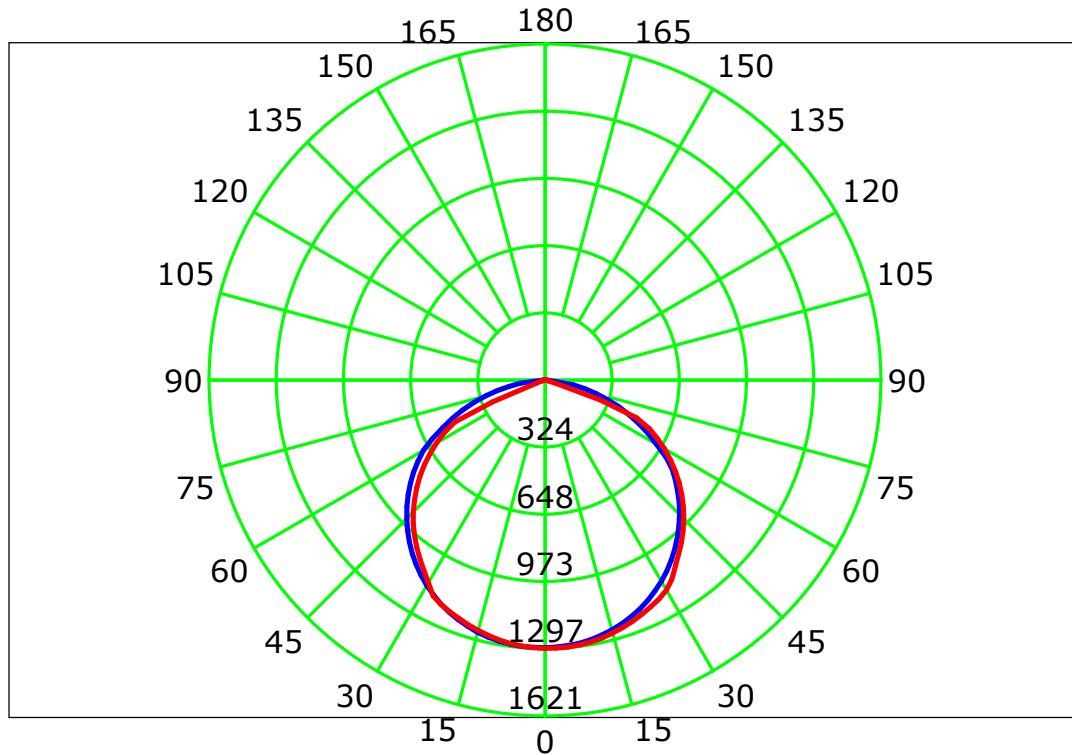
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.5

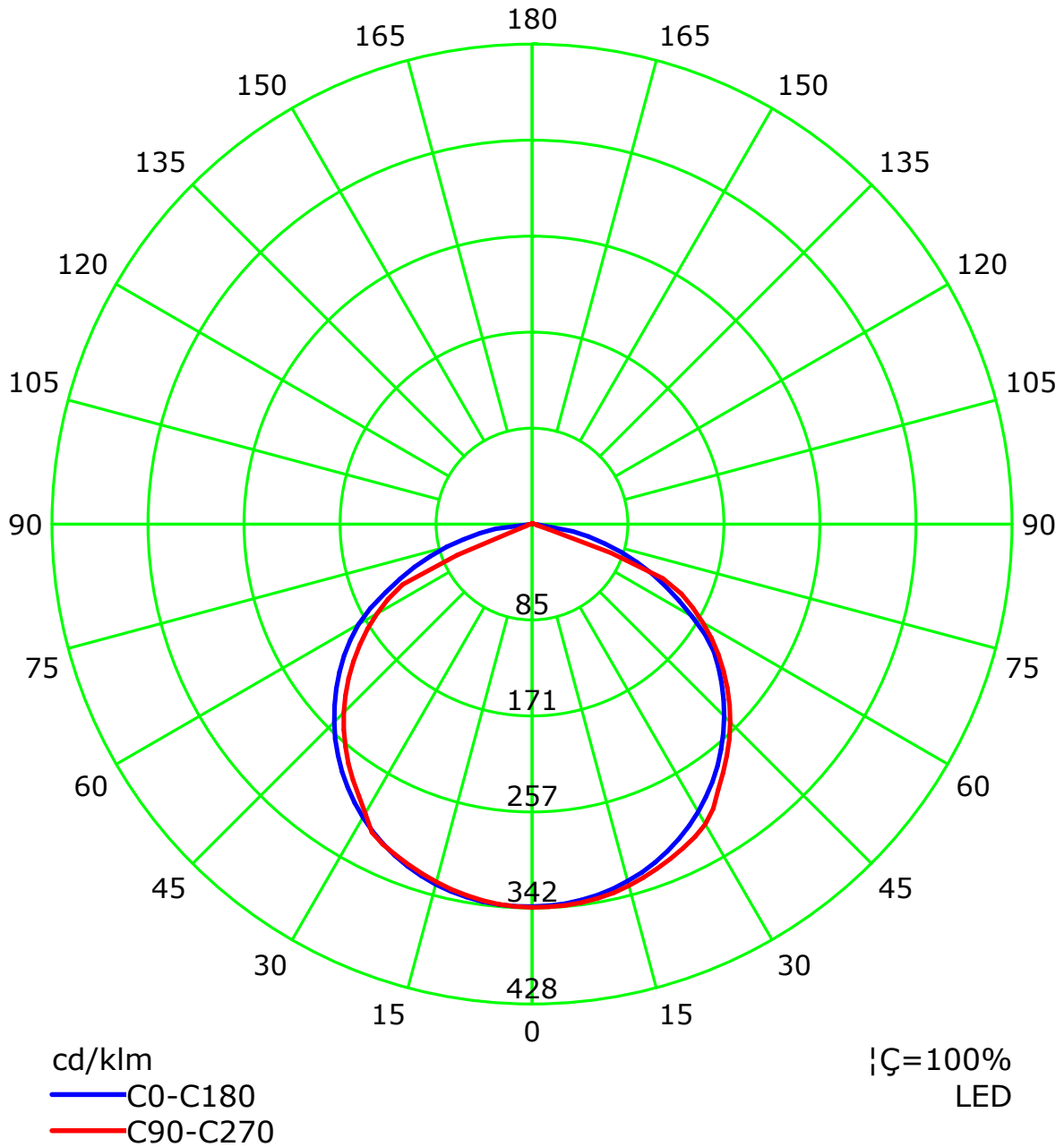
Test Device: LSG-1800B

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:

Gamma Plane (°):0.0-180.0:2.5

Test Device: LSG-1800B

Distance: 12.677 m

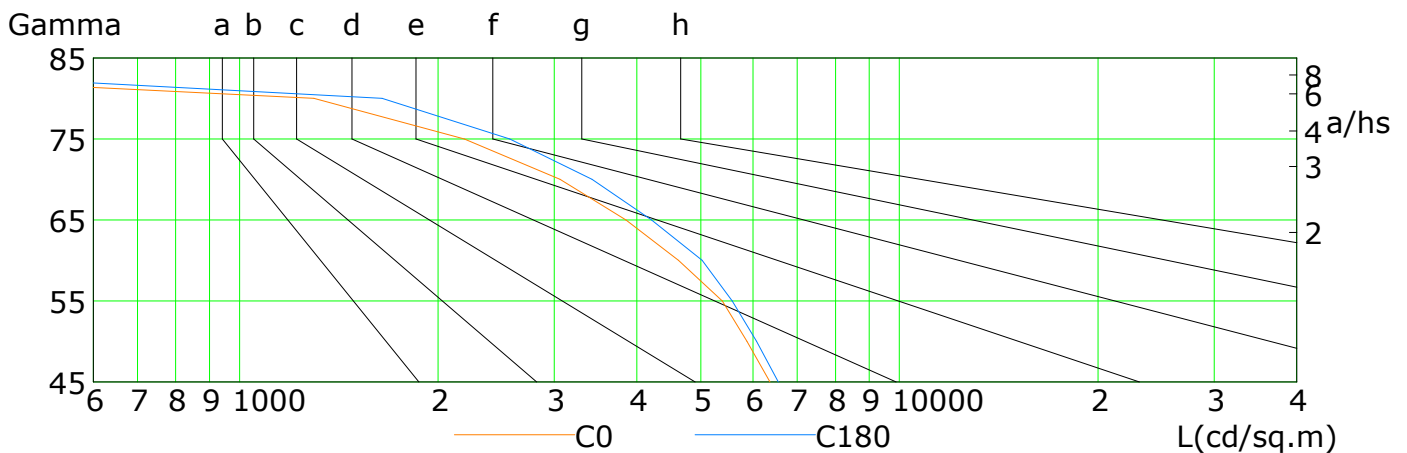
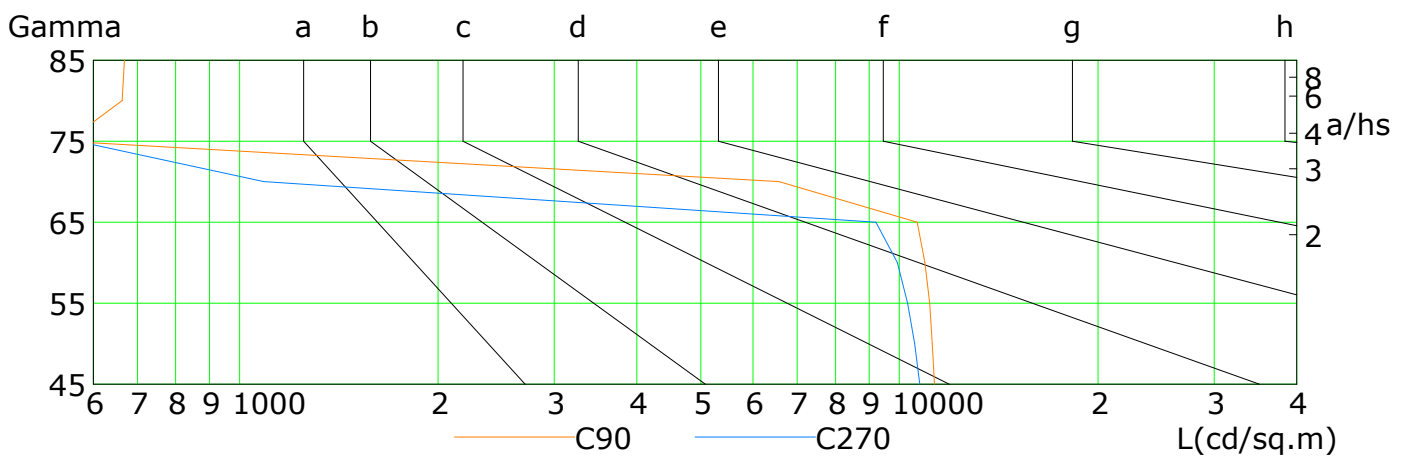
Humidity:

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	6366	5877	5389	4626	3850	3060	2190	1296	79
C90	11300	11221	11119	10928	10644	6568	547	664	669
C180	6556	6075	5579	5026	4210	3422	2568	1645	118
C270	10742	10541	10294	9935	9218	1087	569	598	513

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.5

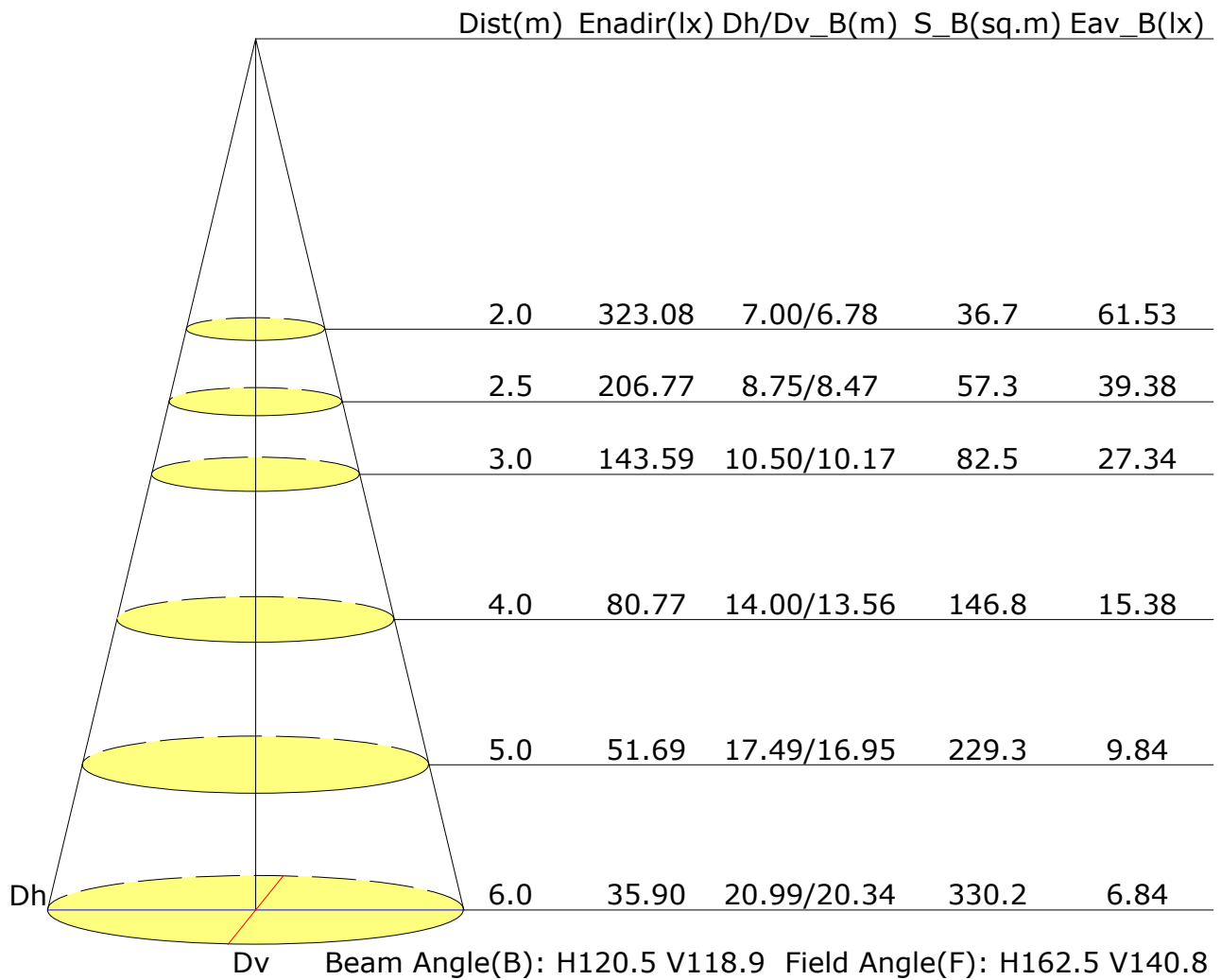
Test Device: LSG-1800B

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 (°):0.0-180.0:2.5

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	18.7	20.0	19.0	20.3	20.5	20.1	21.5	20.4	21.7	22.0
3H	19.8	21.0	20.1	21.3	21.6	21.1	22.3	21.4	22.6	22.9
4H	20.1	21.2	20.4	21.5	21.8	21.0	22.2	21.4	22.5	22.8
6H	20.2	21.3	20.5	21.6	21.9	21.0	22.0	21.3	22.4	22.7
8H	20.2	21.2	20.5	21.5	21.9	20.9	22.0	21.3	22.3	22.6
12H	20.1	21.1	20.5	21.5	21.8	20.9	21.9	21.3	22.2	22.6
X=4H Y=2H	19.3	20.4	19.6	20.7	21.0	20.5	21.6	20.8	21.9	22.2
3H	20.5	21.5	20.9	21.8	22.2	21.5	22.5	21.9	22.8	23.2
4H	20.8	21.7	21.2	22.1	22.4	21.5	22.4	21.9	22.8	23.1
6H	21.0	21.8	21.4	22.2	22.6	21.4	22.2	21.9	22.6	23.0
8H	21.0	21.7	21.4	22.1	22.5	21.4	22.1	21.8	22.5	23.0
12H	21.0	21.6	21.4	22.0	22.5	21.4	22.0	21.8	22.4	22.9
X=8H Y=4H	20.9	21.6	21.3	22.0	22.4	21.5	22.3	22.0	22.7	23.1
6H	21.1	21.7	21.6	22.1	22.6	21.5	22.1	22.0	22.5	23.0
8H	21.1	21.6	21.6	22.1	22.6	21.5	22.0	22.0	22.4	22.9
12H	21.1	21.6	21.6	22.0	22.5	21.4	21.9	21.9	22.4	22.9
X=12H Y=4H	20.9	21.5	21.3	21.9	22.4	21.5	22.2	22.0	22.6	23.0
6H	21.1	21.6	21.6	22.1	22.5	21.5	22.0	22.0	22.4	22.9
8H	21.1	21.5	21.6	22.0	22.5	21.5	21.9	22.0	22.4	22.9
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.3				
S=1.5H	+0.5/-0.8					+0.2/-0.3				
S=2.0H	+0.9/-1.5					+1.4/-2.5				

Calculate in accordance with CIE Pub.117. The table is revised with 3786lm ($8\log(F/F_0) = 4.6$).

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