

Report No.: 1

Test Time: 16.07.2019 14:53

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 58 2x152LED 0,45A 52W 4000K

Lamp Description: LED

Luminous Width (mm): 76

Voltage: 221.4 V

Power: 51.25 W

Luminous Length (mm): 1500

Luminous Height (mm): 60

Current: 0.233 A

Power Factor: 0.991

Photometric Results

CIE Class: Direct

Measurement Flux: 6621.9 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.1, 159.4, 149.7, 150.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 81.0, 80.0, 79.3, 79.5

Luminaire Efficacy Rating (LER): 129.26

Max. Intensity: 3331.58 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 6621.9 lm

Efficiency: 100%

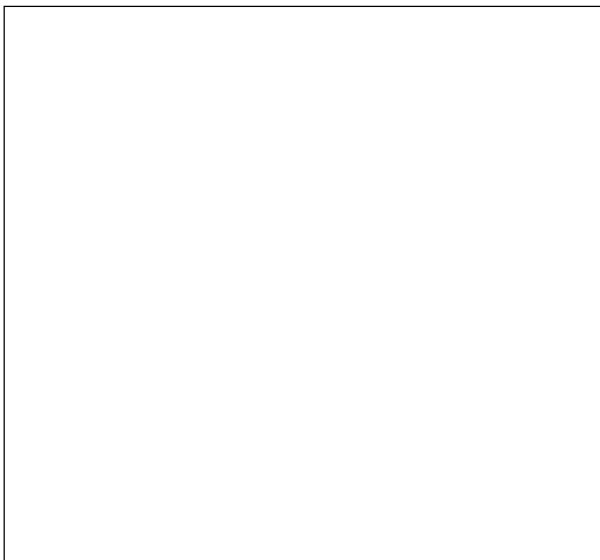
Upward Ratio: 1%

Central Intensity: 3310.46 cd

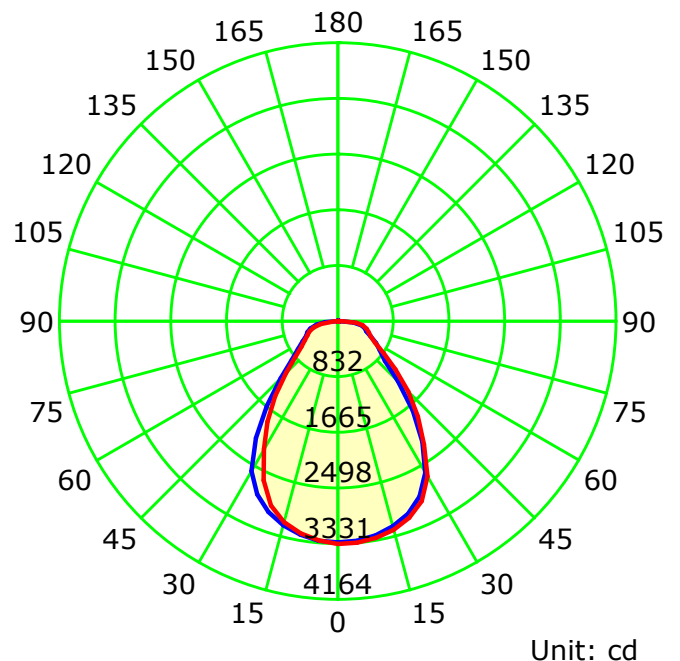
Pos of Max. Intensity: H90 V0

S/MH(C90/C270): 1.12

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

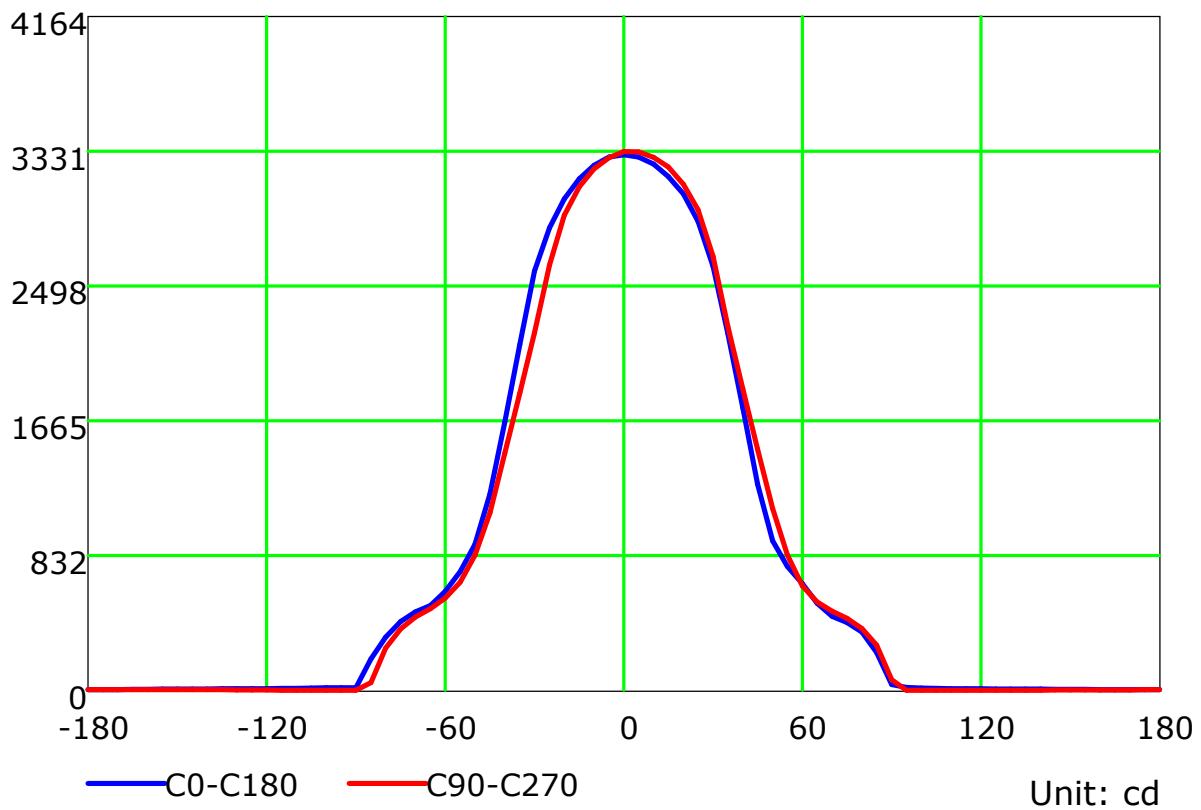
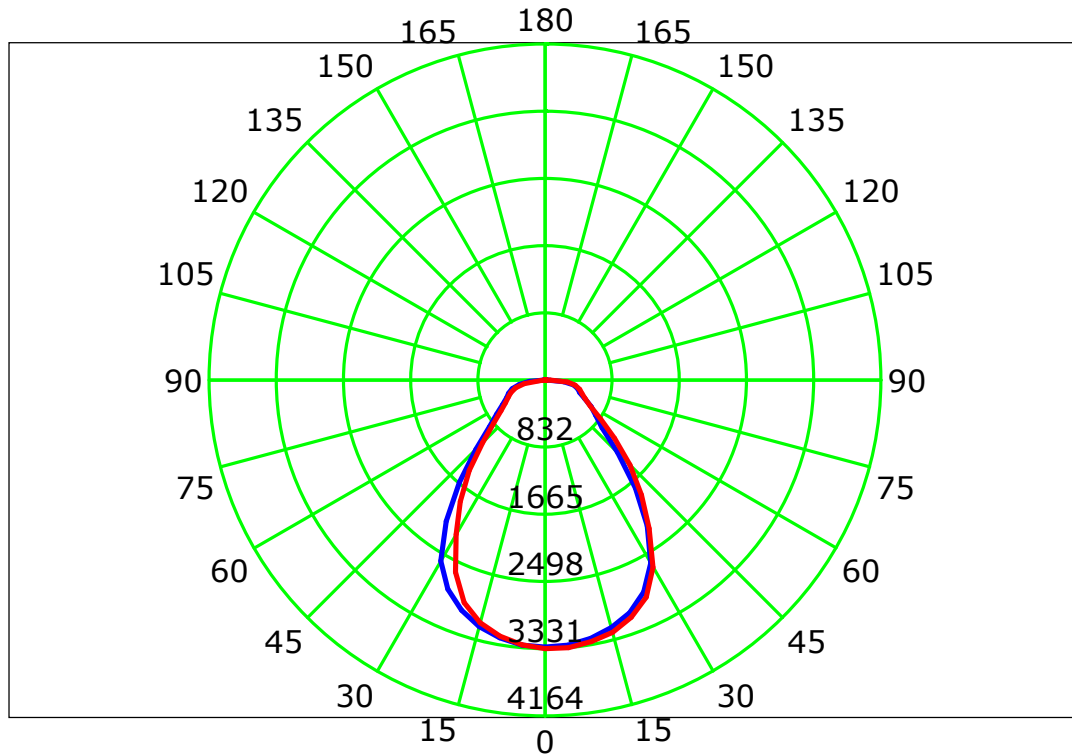
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

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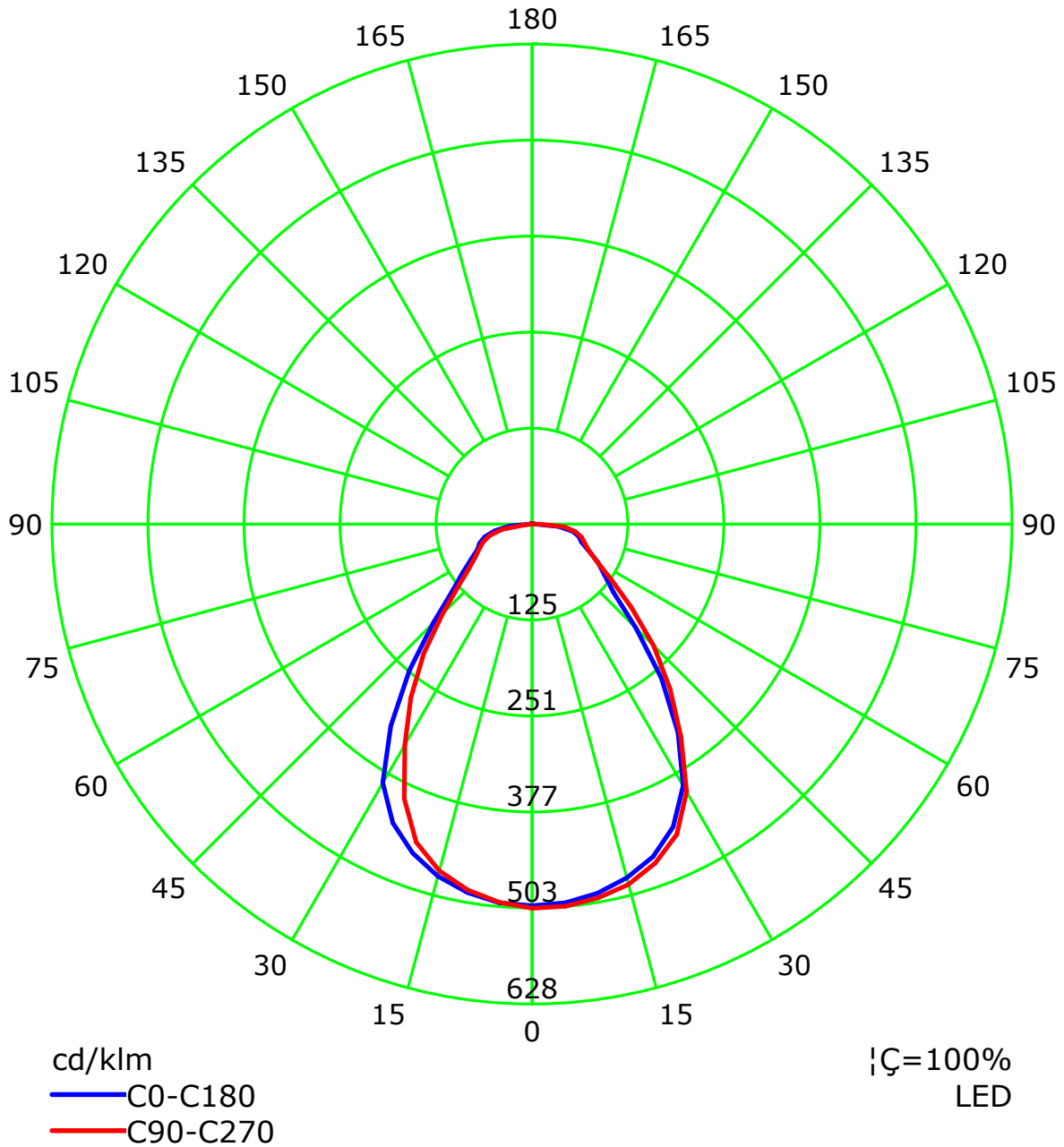
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

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Test Device: LSG-1800B

Distance: 12.654 m

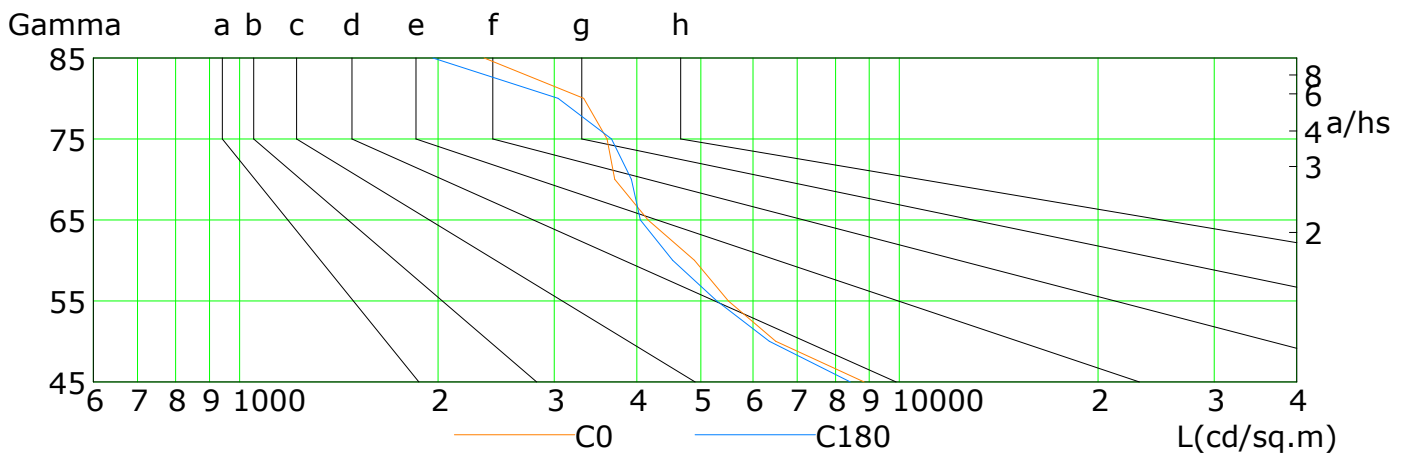
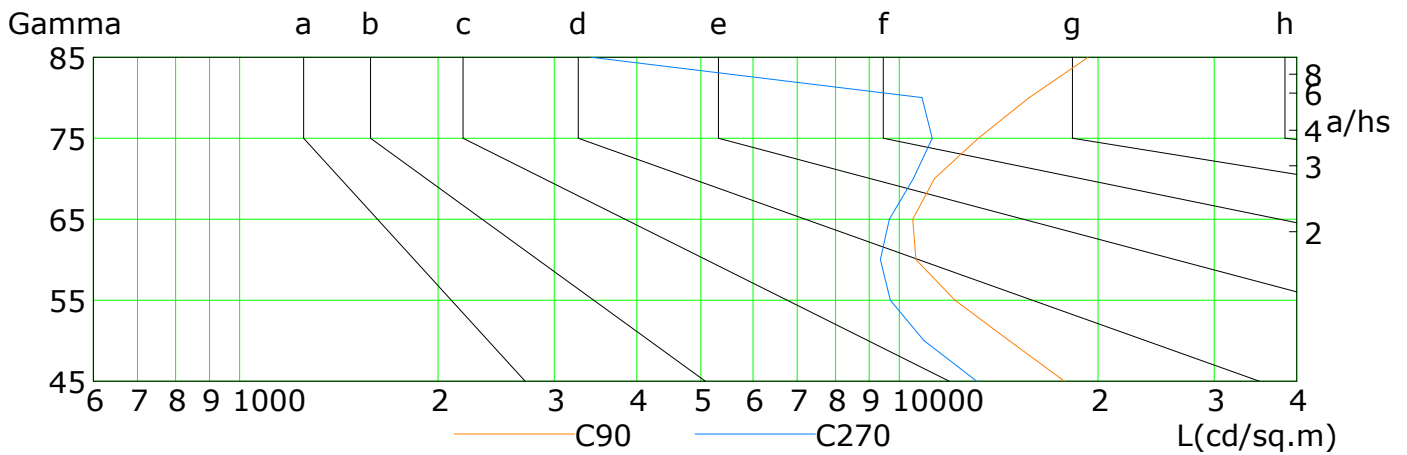
Humidity:

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8841	6498	5504	4891	4161	3704	3604	3322	2348
C90	17789	14659	12134	10600	10475	11309	13173	15733	19318
C180	8429	6353	5289	4533	4050	3924	3662	3039	1964
C270	13102	10889	9691	9354	9654	10498	11220	10820	3408

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Test Type: TYPE C

Temperature:

Operator:

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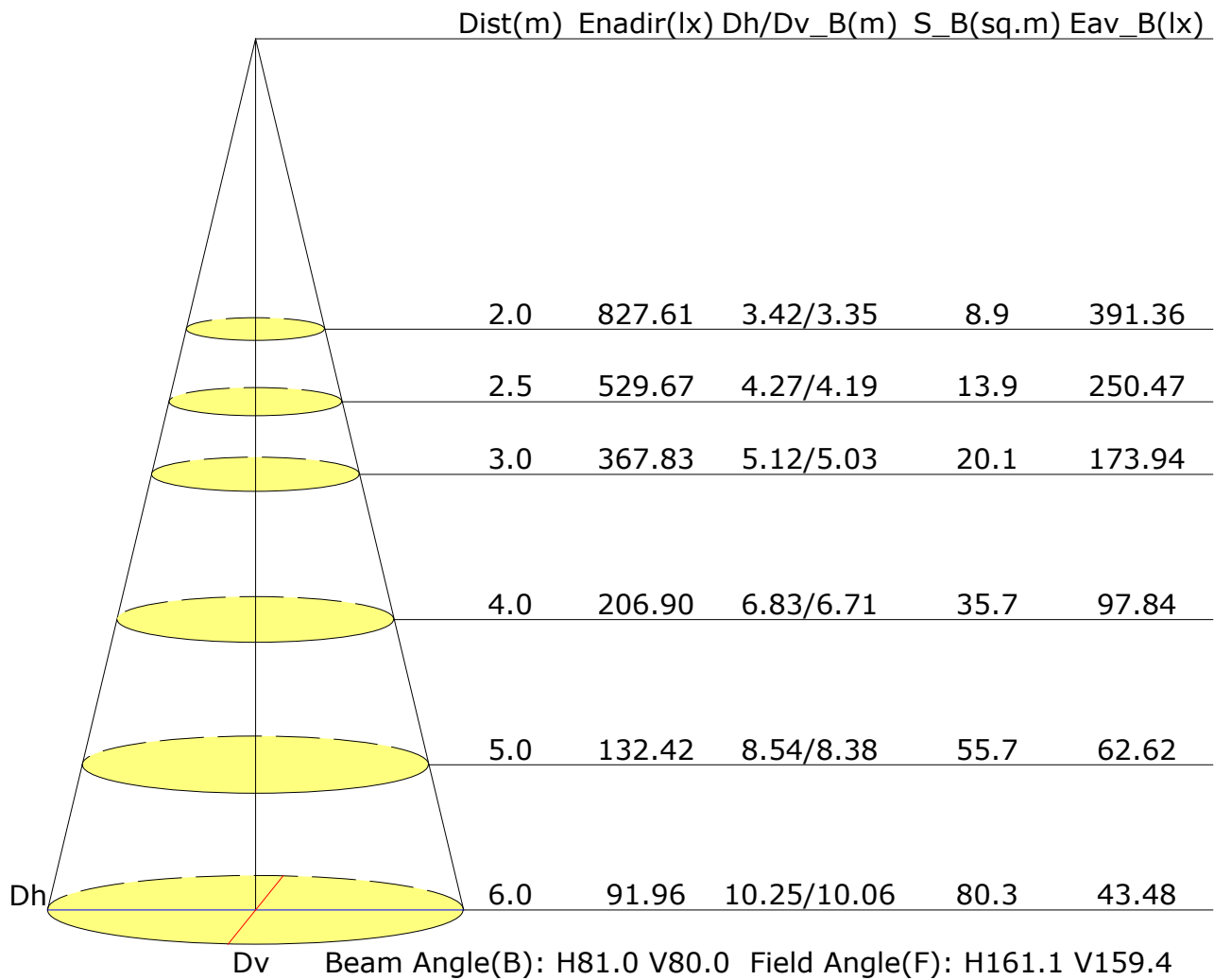
Test Device: LSG-1800B

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	18.1	19.3	18.4	19.6	19.8	19.3	20.6	19.6	20.8	21.1
3H	19.1	20.2	19.4	20.5	20.8	20.8	21.9	21.1	22.2	22.5
4H	19.7	20.7	20.0	21.0	21.3	21.7	22.7	22.0	23.0	23.3
6H	20.2	21.2	20.6	21.5	21.9	22.6	23.6	22.9	23.9	24.2
8H	20.4	21.4	20.8	21.7	22.1	22.9	23.9	23.3	24.2	24.6
12H	20.6	21.5	21.0	21.9	22.2	23.3	24.2	23.7	24.5	24.9
X=4H Y=2H	18.5	19.6	18.8	19.9	20.2	19.5	20.6	19.9	20.9	21.2
3H	19.7	20.6	20.1	21.0	21.3	21.2	22.1	21.6	22.5	22.8
4H	20.4	21.3	20.8	21.6	22.0	22.2	23.1	22.6	23.4	23.8
6H	21.1	21.9	21.6	22.3	22.7	23.3	24.0	23.7	24.4	24.8
8H	21.4	22.1	21.9	22.5	23.0	23.7	24.4	24.2	24.8	25.3
12H	21.7	22.3	22.1	22.7	23.2	24.2	24.8	24.6	25.2	25.7
X=8H Y=4H	20.7	21.4	21.2	21.8	22.2	22.3	23.0	22.8	23.4	23.9
6H	21.6	22.1	22.0	22.6	23.0	23.5	24.1	24.0	24.5	25.0
8H	21.9	22.4	22.4	22.9	23.4	24.1	24.6	24.6	25.0	25.5
12H	22.2	22.7	22.7	23.2	23.7	24.6	25.0	25.1	25.5	26.0
X=12H Y=4H	20.8	21.4	21.2	21.8	22.3	22.3	23.0	22.8	23.4	23.8
6H	21.6	22.1	22.1	22.6	23.1	23.5	24.0	24.0	24.5	25.0
8H	22.0	22.5	22.6	23.0	23.5	24.1	24.5	24.6	25.0	25.5
Variations with the observer position at spacings:										
S=1.0H	+0.4/-0.5					+0.3/-0.3				
S=1.5H	+0.6/-0.9					+0.4/-0.6				
S=2.0H	+1.1/-1.4					+0.9/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 6622lm ($8\log(F/F_0) = 6.6$).

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