

Report No.: 1

Test Time: 12.07.2019 10:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FL 1500 À30 4x30 LED 0,6A 75W 4000K microprisma

Lamp Description: LED

Luminous Length (mm): 1500

Luminous Width (mm): 80

Luminous Height (mm): 91

Voltage: 222.3 V

Current: 0.365 A

Power: 79.68 W

Power Factor: 0.981

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 8245.5 lm

Measurement Flux: 8245.5 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.5, 143.0, 154.8, 141.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 78.0, 79.4, 77.8, 80.2

Luminaire Efficacy Rating (LER): 103.53

Central Intensity: 4249.96 cd

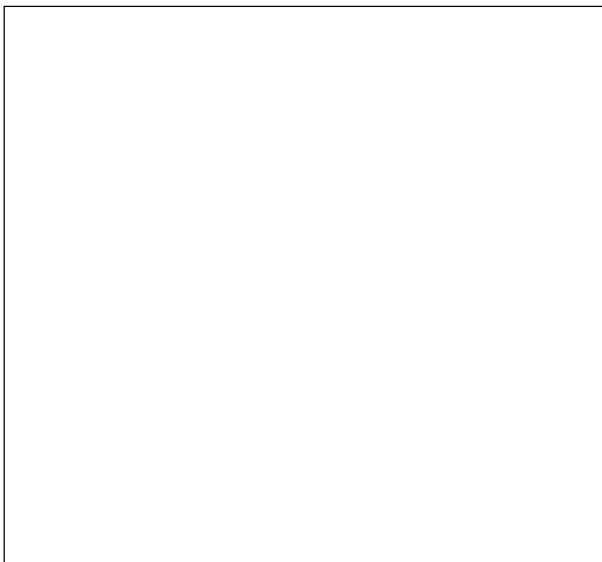
Max. Intensity: 4298.36 cd

Pos of Max. Intensity: H270 V5

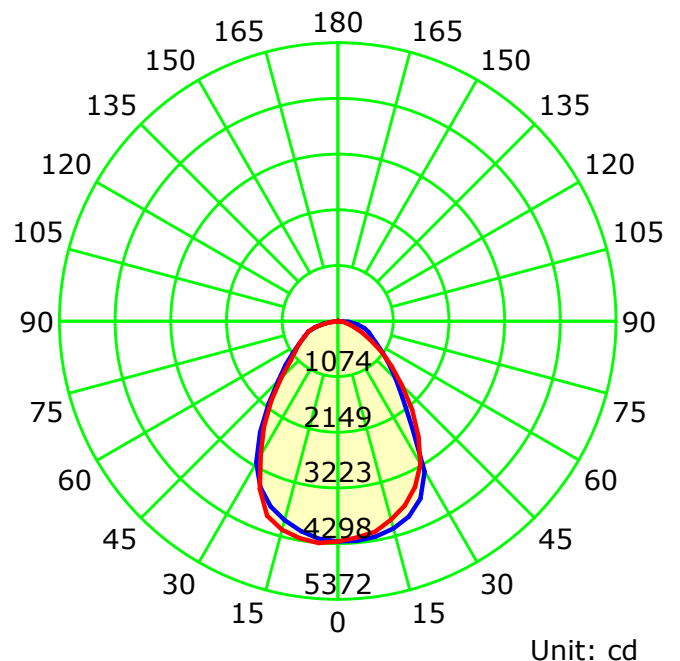
S/MH(C0/C180): 1.15

S/MH(C90/C270): 1.11

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

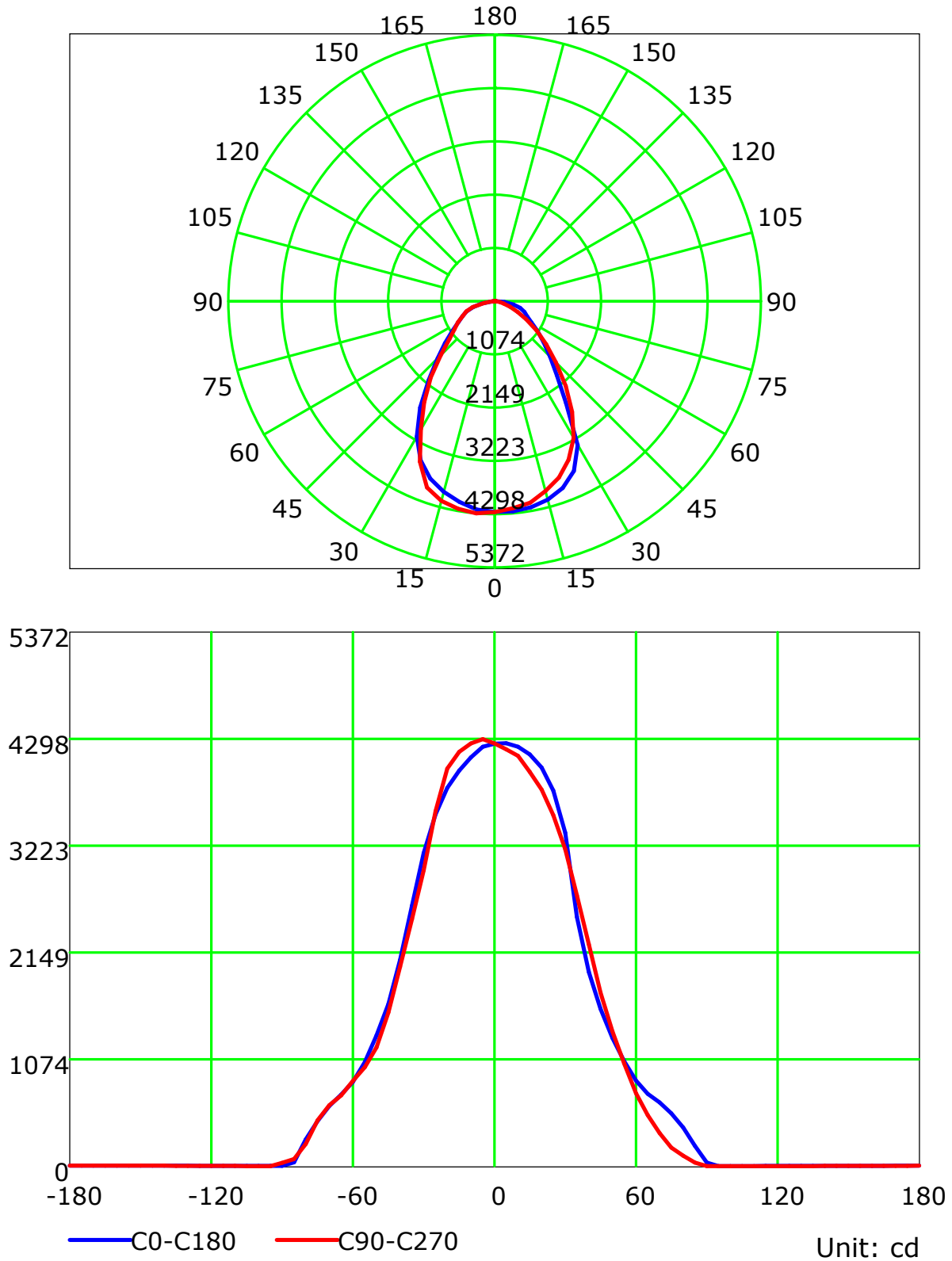
Temperature:

Humidity:

Operator:

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

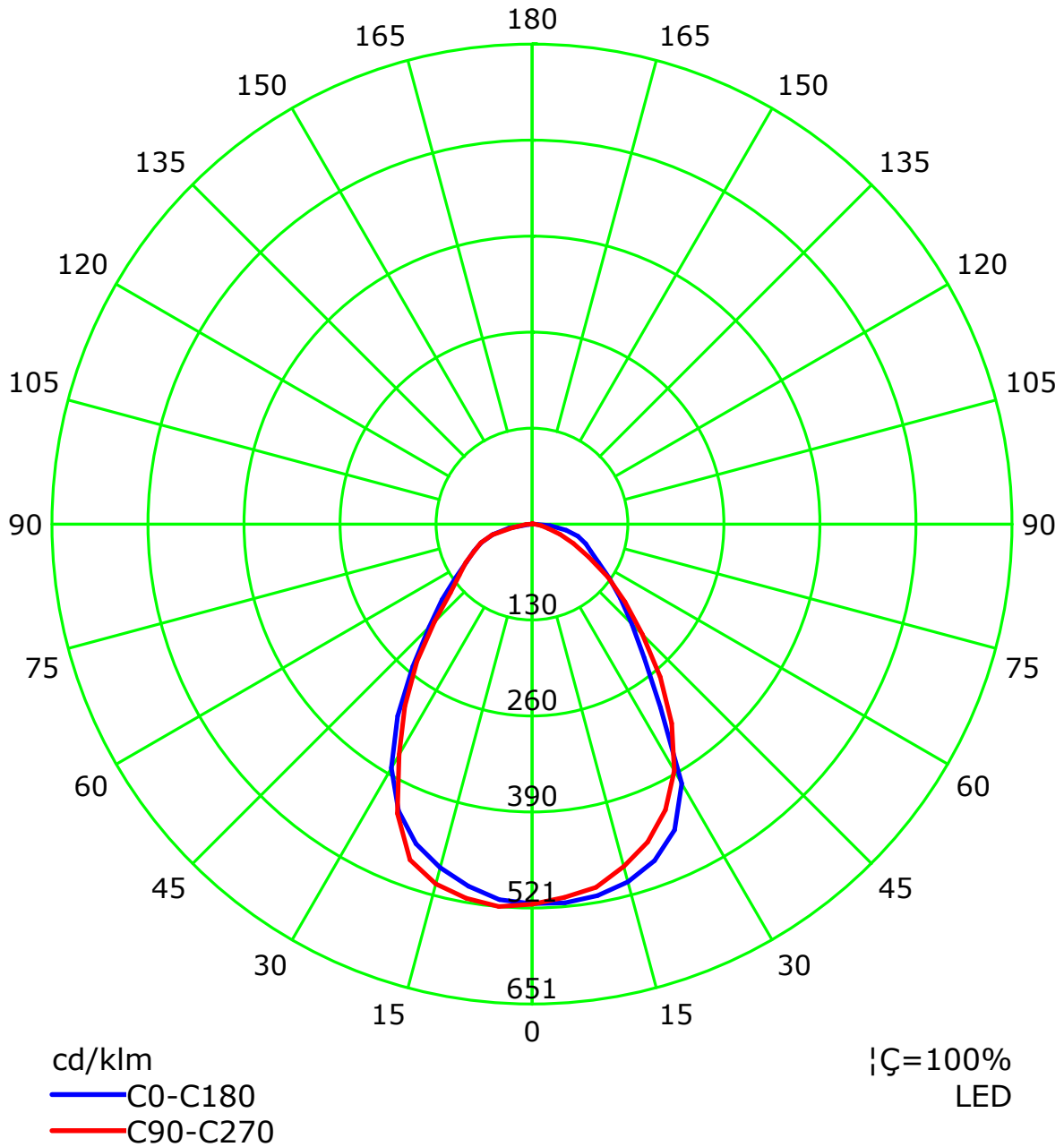
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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

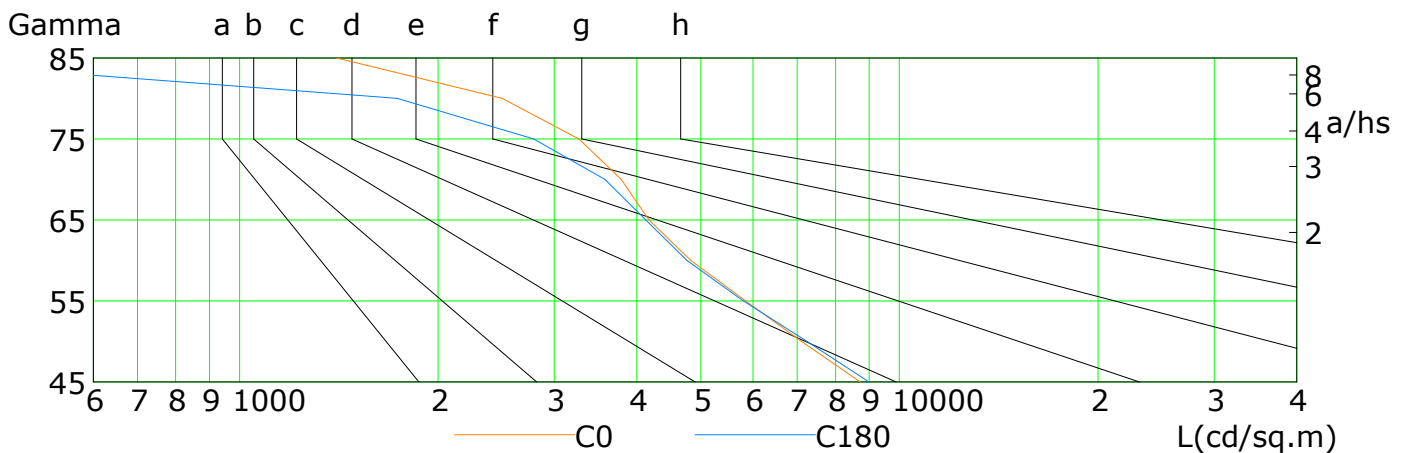
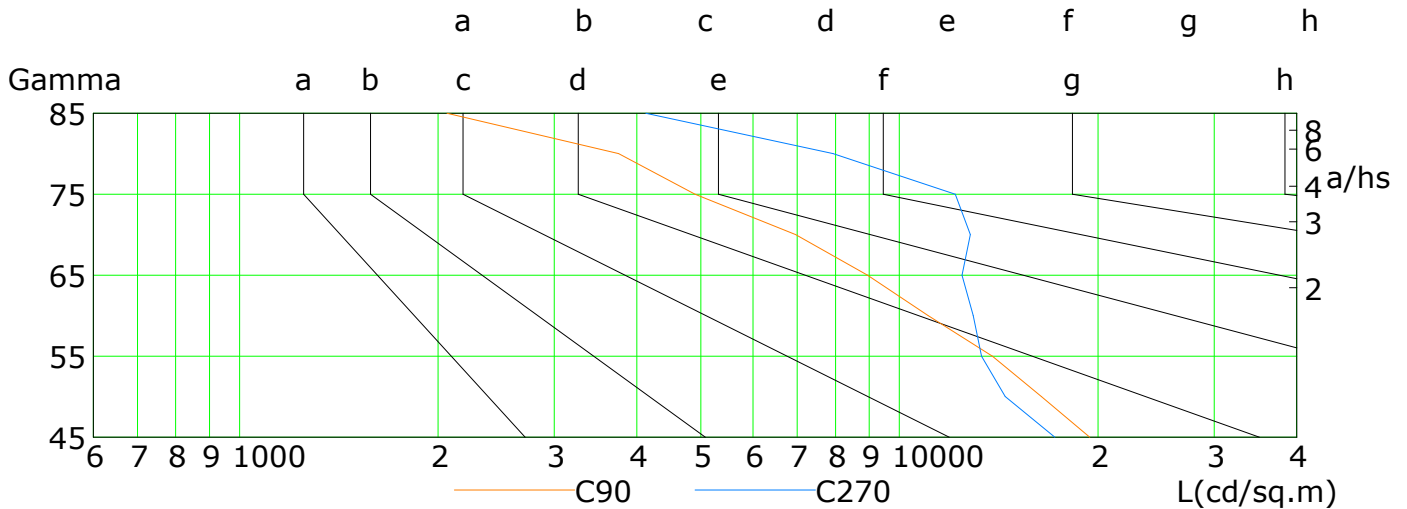
Distance: 12.654 m

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	8726	7103	5850	4827	4175	3787	3268	2501	1403
C90	19420	16410	13831	11052	8952	6964	4902	3752	2061
C180	8994	7241	5805	4763	4129	3577	2793	1732	272
C270	17193	14472	13313	12940	12439	12803	12154	7929	4129

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

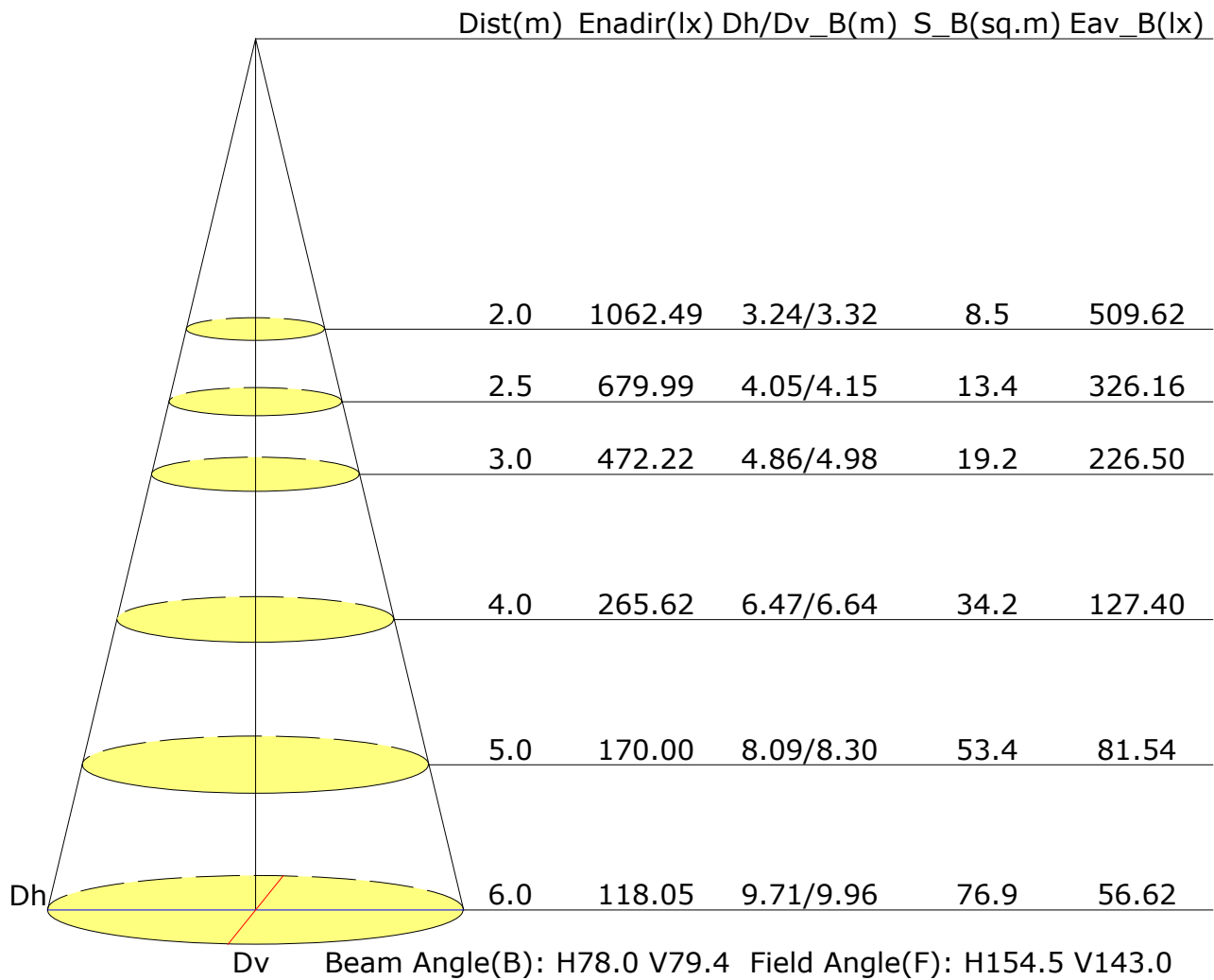
Test Device: LSG-1800B

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	18.5	19.7	18.8	19.9	20.2	19.9	21.1	20.2	21.4	21.6
3H	19.5	20.6	19.8	20.9	21.2	21.1	22.2	21.4	22.5	22.7
4H	20.0	21.1	20.3	21.3	21.6	21.6	22.6	21.9	22.9	23.2
6H	20.4	21.4	20.8	21.7	22.0	21.8	22.8	22.2	23.1	23.5
8H	20.5	21.5	20.9	21.8	22.1	21.9	22.8	22.3	23.2	23.5
12H	20.6	21.5	21.0	21.8	22.2	21.9	22.8	22.3	23.1	23.5
X=4H Y=2H	19.0	20.1	19.4	20.4	20.7	20.2	21.3	20.6	21.6	21.9
3H	20.3	21.2	20.6	21.5	21.9	21.6	22.5	22.0	22.8	23.2
4H	20.9	21.7	21.3	22.1	22.4	22.2	23.0	22.6	23.4	23.7
6H	21.4	22.1	21.8	22.5	22.9	22.5	23.3	23.0	23.6	24.0
8H	21.6	22.2	22.0	22.7	23.1	22.6	23.3	23.0	23.7	24.1
12H	21.7	22.3	22.1	22.7	23.2	22.6	23.2	23.1	23.6	24.1
X=8H Y=4H	21.2	21.8	21.6	22.2	22.7	22.3	23.0	22.8	23.4	23.8
6H	21.8	22.4	22.3	22.8	23.3	22.8	23.3	23.2	23.7	24.2
8H	22.1	22.5	22.6	23.0	23.5	22.9	23.3	23.3	23.8	24.3
12H	22.2	22.7	22.7	23.1	23.6	22.9	23.3	23.4	23.8	24.3
X=12H Y=4H	21.2	21.8	21.6	22.2	22.6	22.3	22.9	22.8	23.4	23.8
6H	21.9	22.3	22.3	22.8	23.3	22.8	23.2	23.3	23.7	24.2
8H	22.1	22.5	22.6	23.0	23.5	22.9	23.3	23.4	23.8	24.3
Variations with the observer position at spacings:										
S=1.0H	+0.4/-0.4					+0.3/-0.4				
S=1.5H	+0.5/-0.9					+0.8/-0.9				
S=2.0H	+1.1/-1.3					+1.4/-1.4				

Calculate in accordance with CIE Pub.117. The table is revised with 8245lm ($8\log(F/F_0) = 7.3$).

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 Test Device: LSG-1800B
 Distance: 12.654 m
 Humidity:
 Inspector: