

Report No.: 20

Test Time: 19.09.2017 12:42

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 1500 3x40LED 0,39A 40W 4000K

Lamp Description: LED

Luminous Width (mm): 115

Voltage: 231.5 V

Power: 40.45 W

Luminous Length (mm): 1500

Luminous Height (mm): 64

Current: 0.181 A

Power Factor: 0.961

Photometric Results

CIE Class: Direct

Measurement Flux: 4561.2 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.6, 163.4, 154.4, 154.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 78.2, 80.2, 77.3, 77.0

Luminaire Efficacy Rating (LER): 112.81

Max. Intensity: 2269.73 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 4561.2 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 2256.01 cd

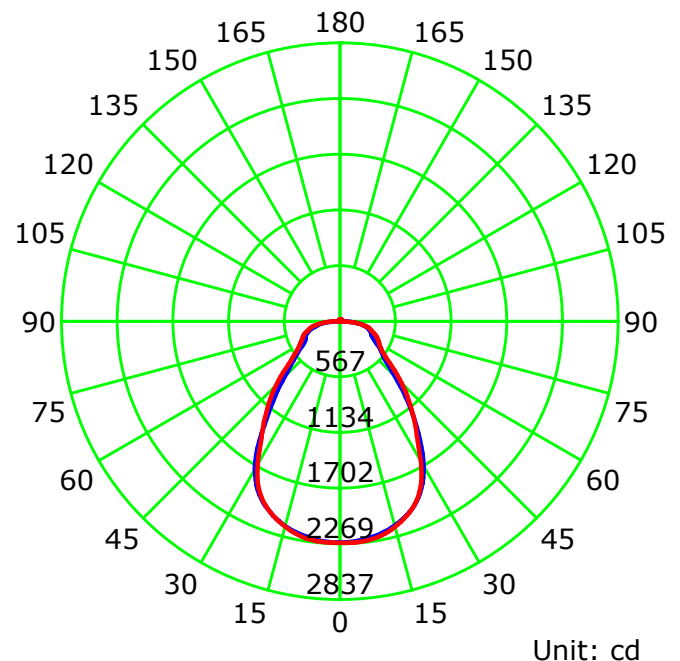
Pos of Max. Intensity: H157.5 V1

S/MH(C90/C270): 1.13

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

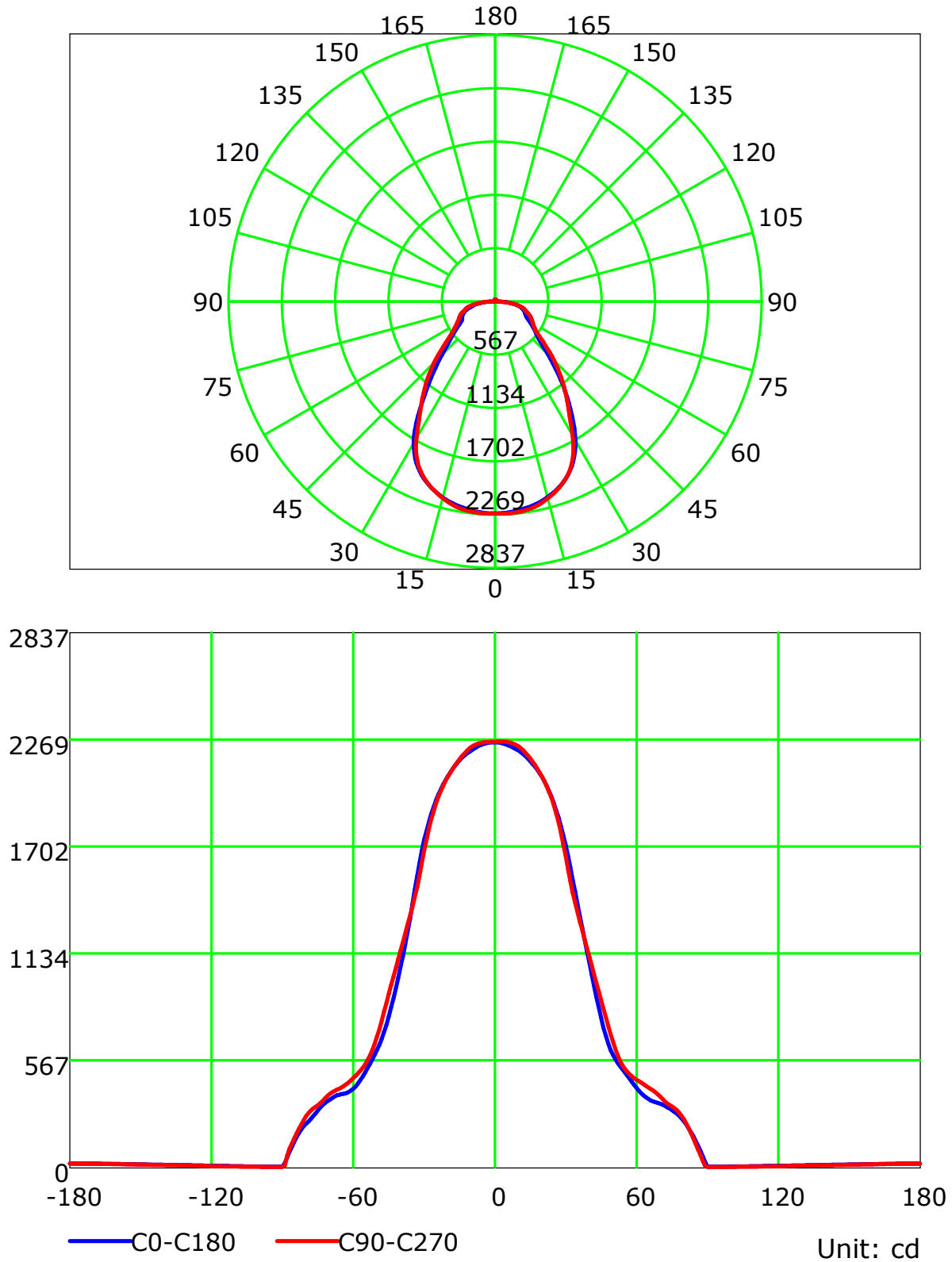
Test Device: LSG-1800B

Distance: 12.606 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

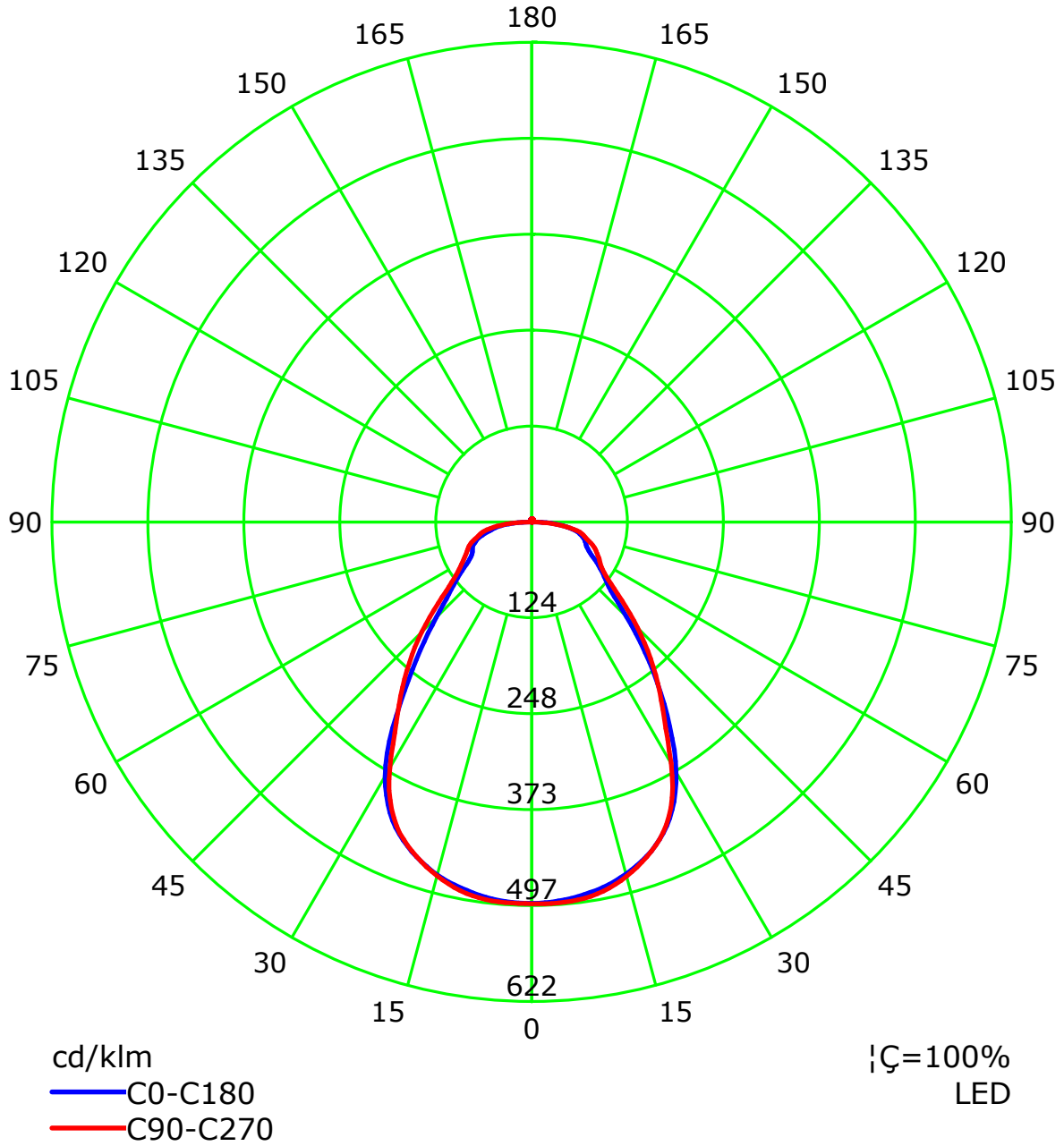
Test Device: LSG-1800B

Distance: 12.606 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 (°):0.0-180.0:1.0

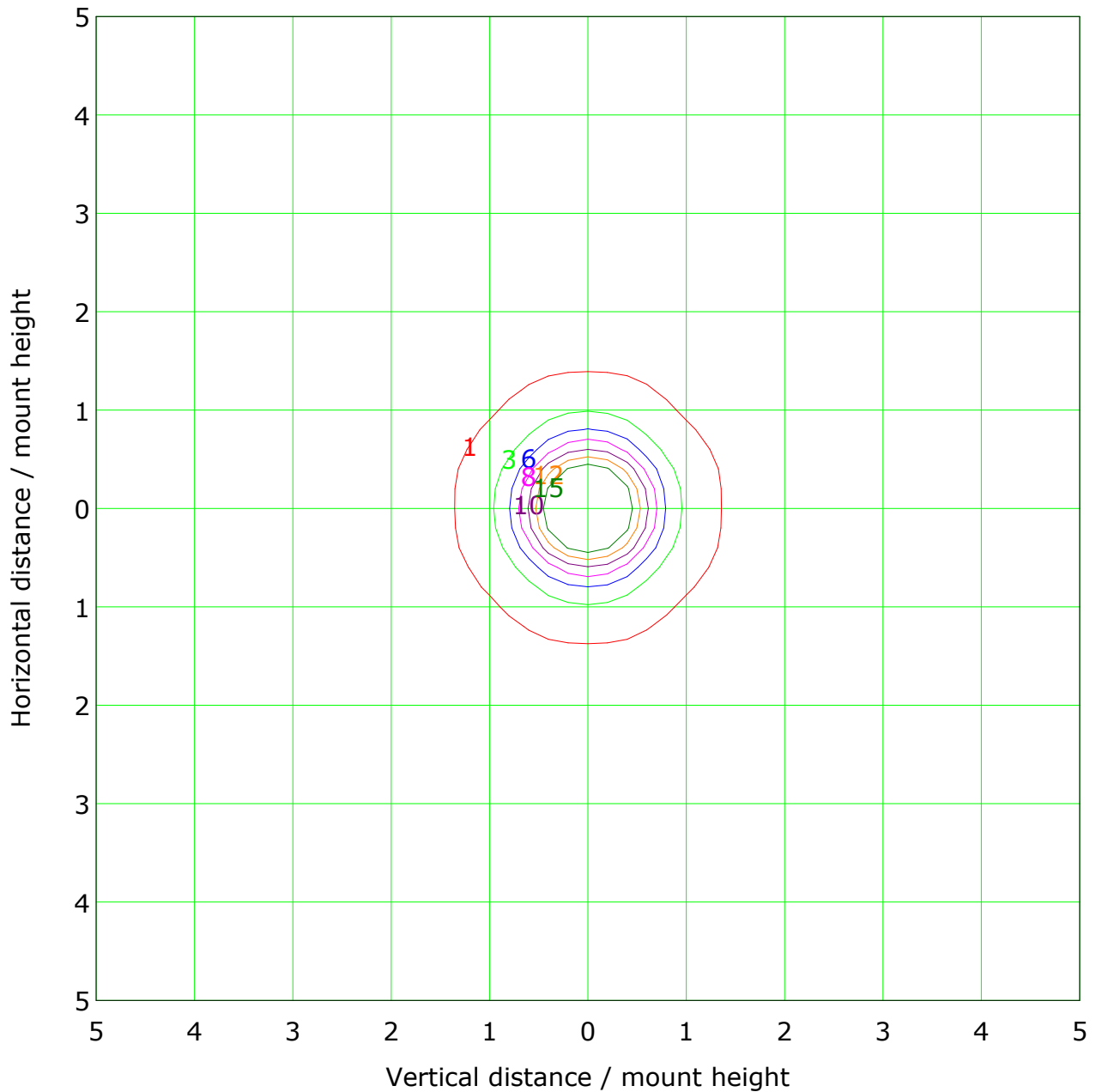
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 22.7 lx	
(5%):	1.1 lx	(15%):	3.4 lx
(25%):	5.7 lx	(35%):	7.9 lx
(45%):	10.2 lx	(55%):	12.5 lx
(65%):	14.8 lx		

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Test Lab:

Test Type: TYPE C

Temperature:

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Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.606 m

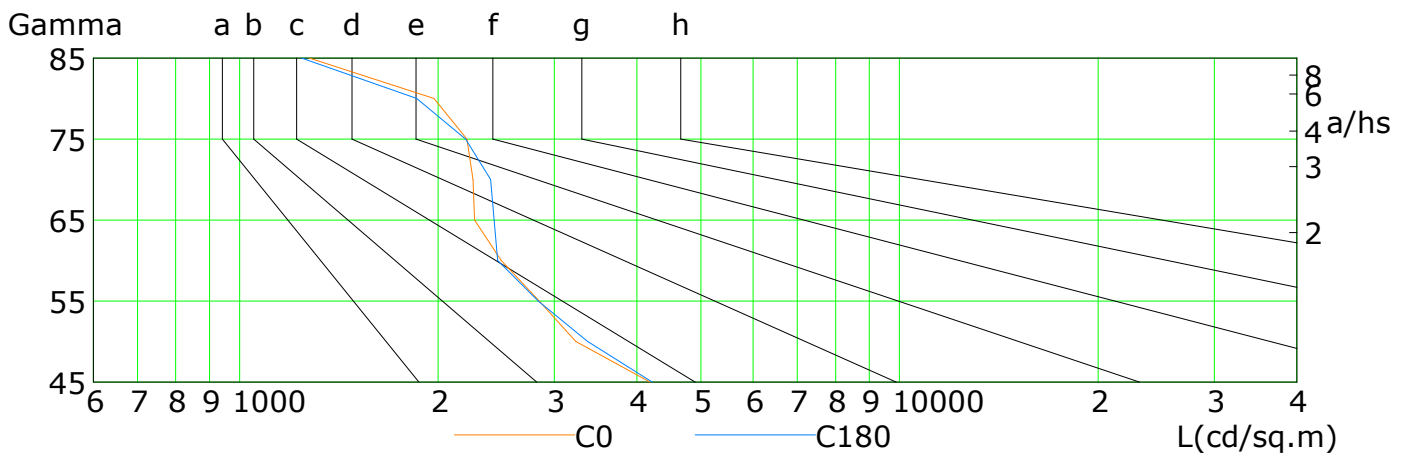
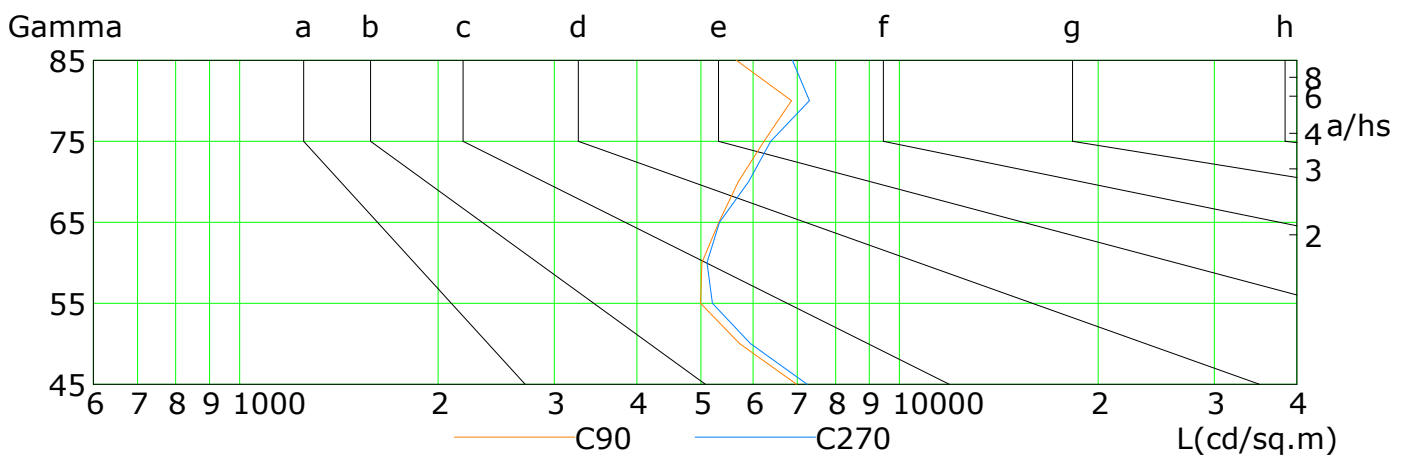
Humidity:

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	4187	3231	2846	2490	2270	2259	2210	1970	1276
C90	6983	5723	4994	5019	5327	5700	6232	6861	5659
C180	4221	3369	2835	2461	2429	2402	2201	1856	1242
C270	7247	5944	5209	5110	5334	5904	6380	7301	6886

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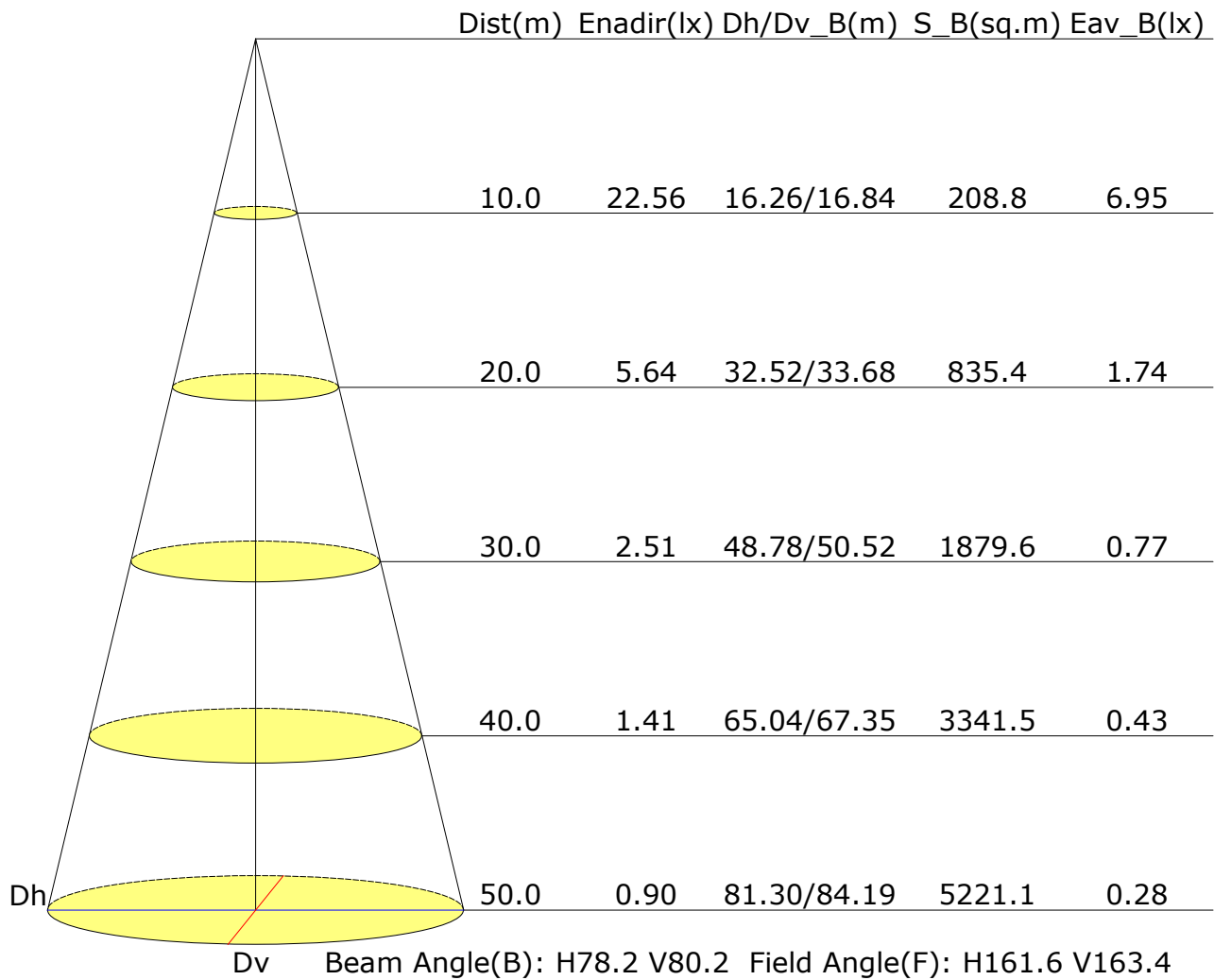
Test Device: LSG-1800B

Distance: 12.606 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: 12.606 m

Humidity:

Inspector: