

Report No.: 4

Test Time: 15.03.2018 11:17

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 360LED 220W 5000K 60 Degrees lense

Lamp Description: LED

Diameter(mm):400

Luminous High (mm): 215

Voltage: 231.3 V

Current: 0.973 A

Power: 220.40 W

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 25748.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 25748.8 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 106.1, 106.2, 102.9, 103.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 43.5, 43.6, 43.1, 44.0

Luminaire Efficacy Rating (LER): 116.88

Central Intensity: 28155.19 cd

Max. Intensity: 28395.44 cd

Pos of Max. Intensity: H22.5 V2

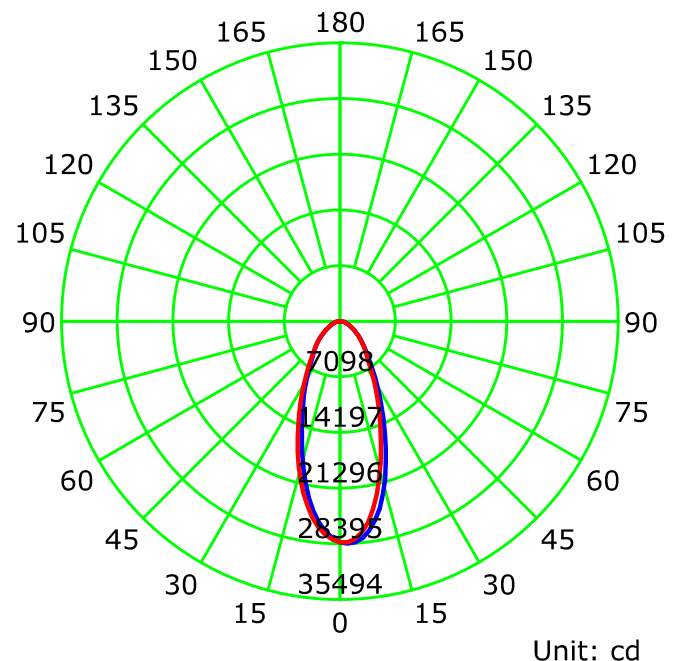
S/MH(C0/C180): 0.68

S/MH(C90/C270): 0.68

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 (°):0.0-180.0:2.0

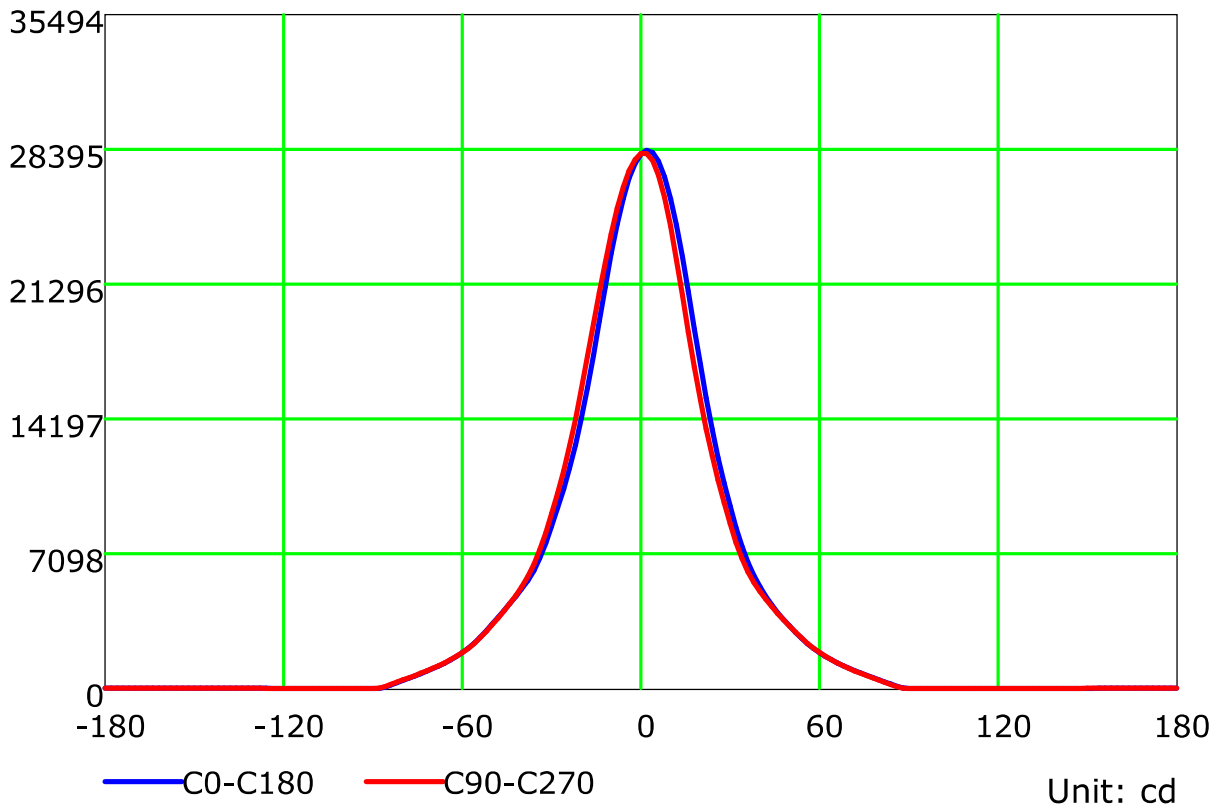
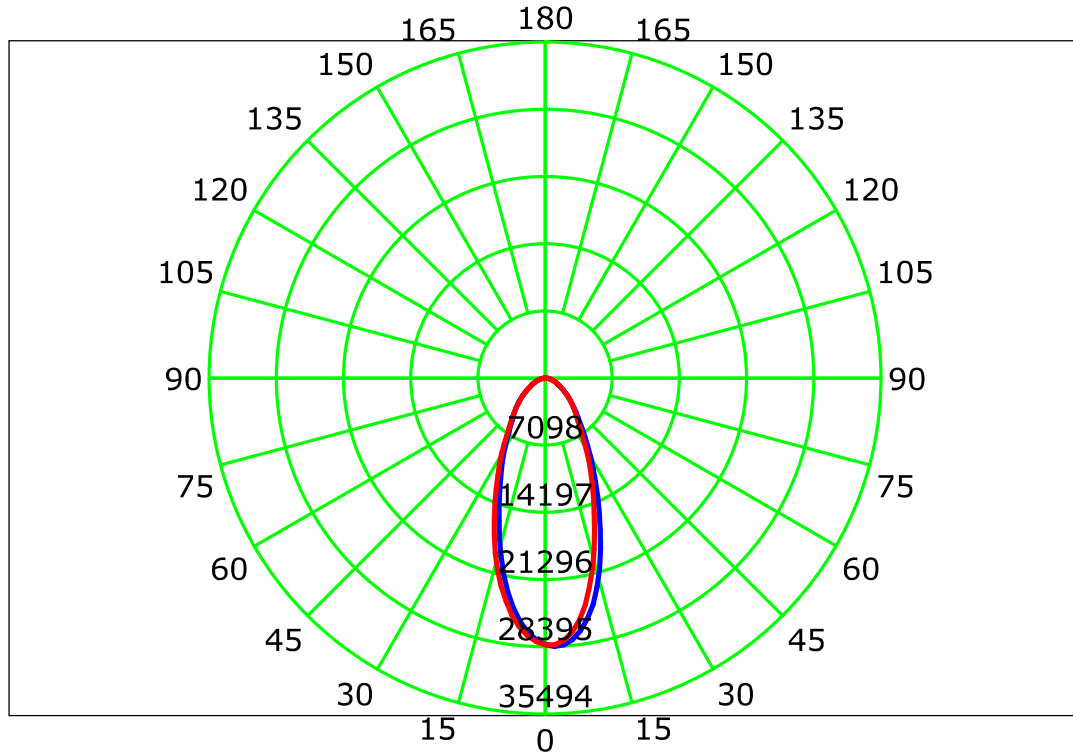
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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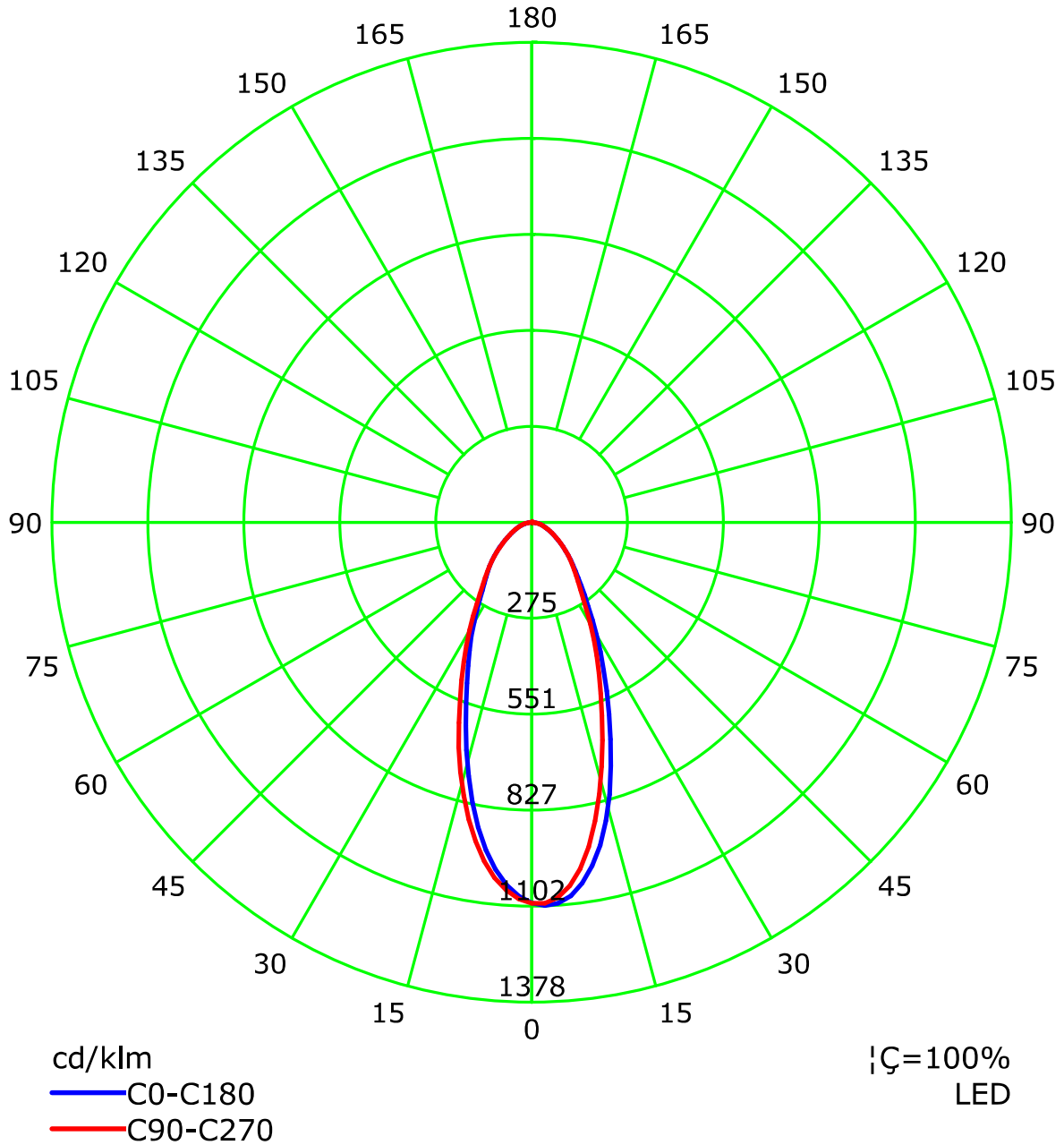
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

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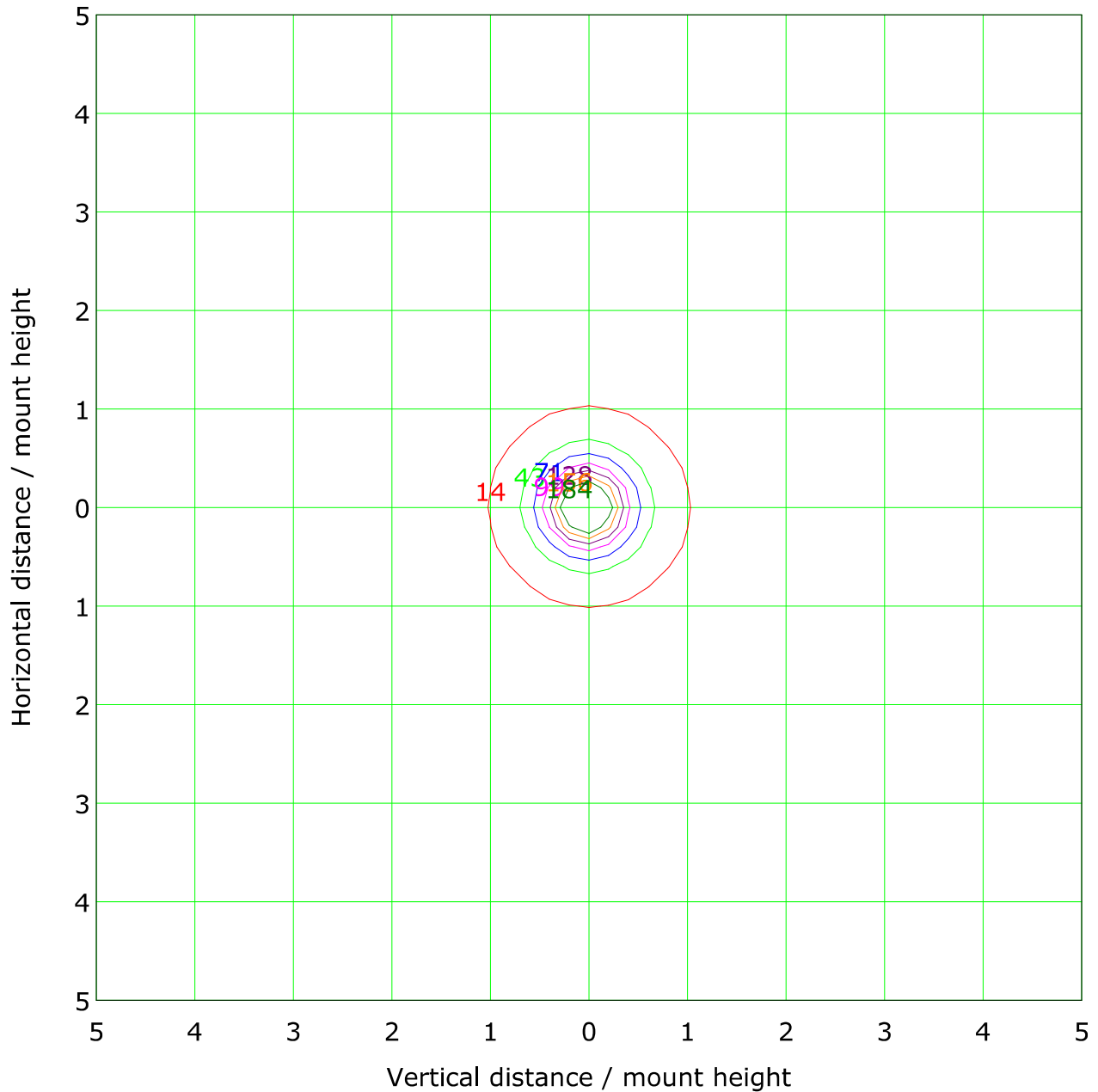
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 283.4 lx

(5%): 14.2 lx	(15%): 42.5 lx
(25%): 70.9 lx	(35%): 99.2 lx
(45%): 127.5 lx	(55%): 155.9 lx
(65%): 184.2 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

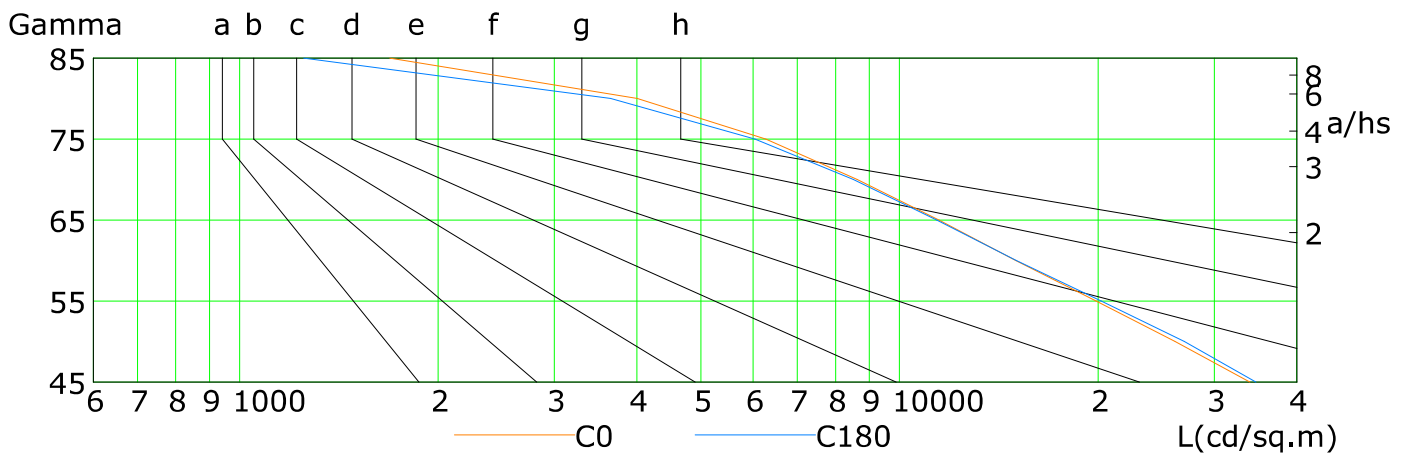
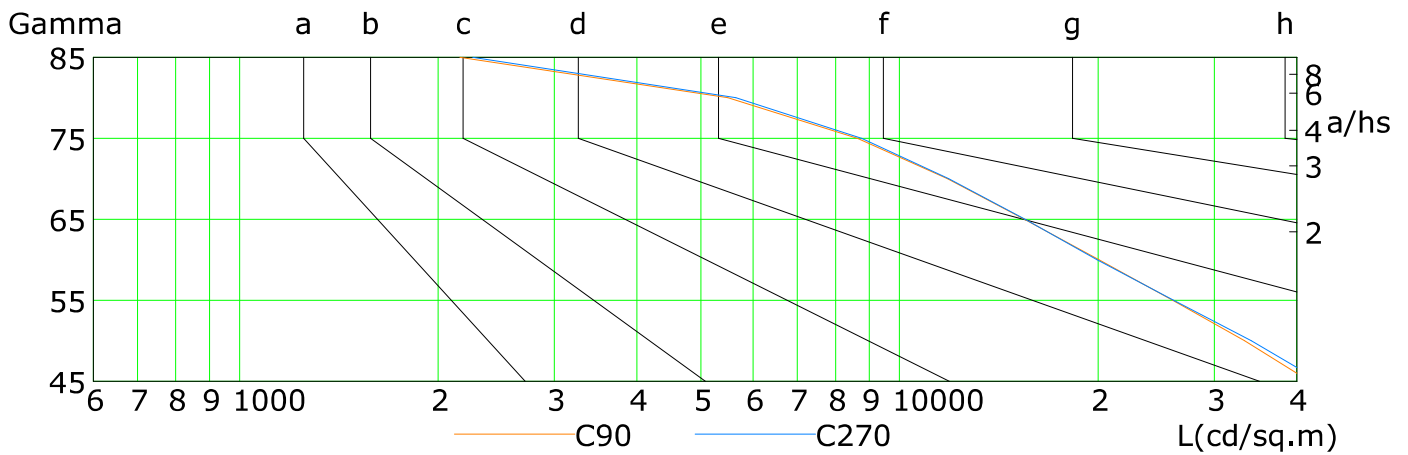
Humidity:

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	33958	26143	19870	15000	11480	8628	6275	4005	1689
C90	41929	33320	25961	20044	15476	11819	8635	5493	2157
C180	34692	26997	20216	15023	11393	8514	6037	3651	1251
C270	43477	34126	26046	19902	15498	11878	8762	5646	2254

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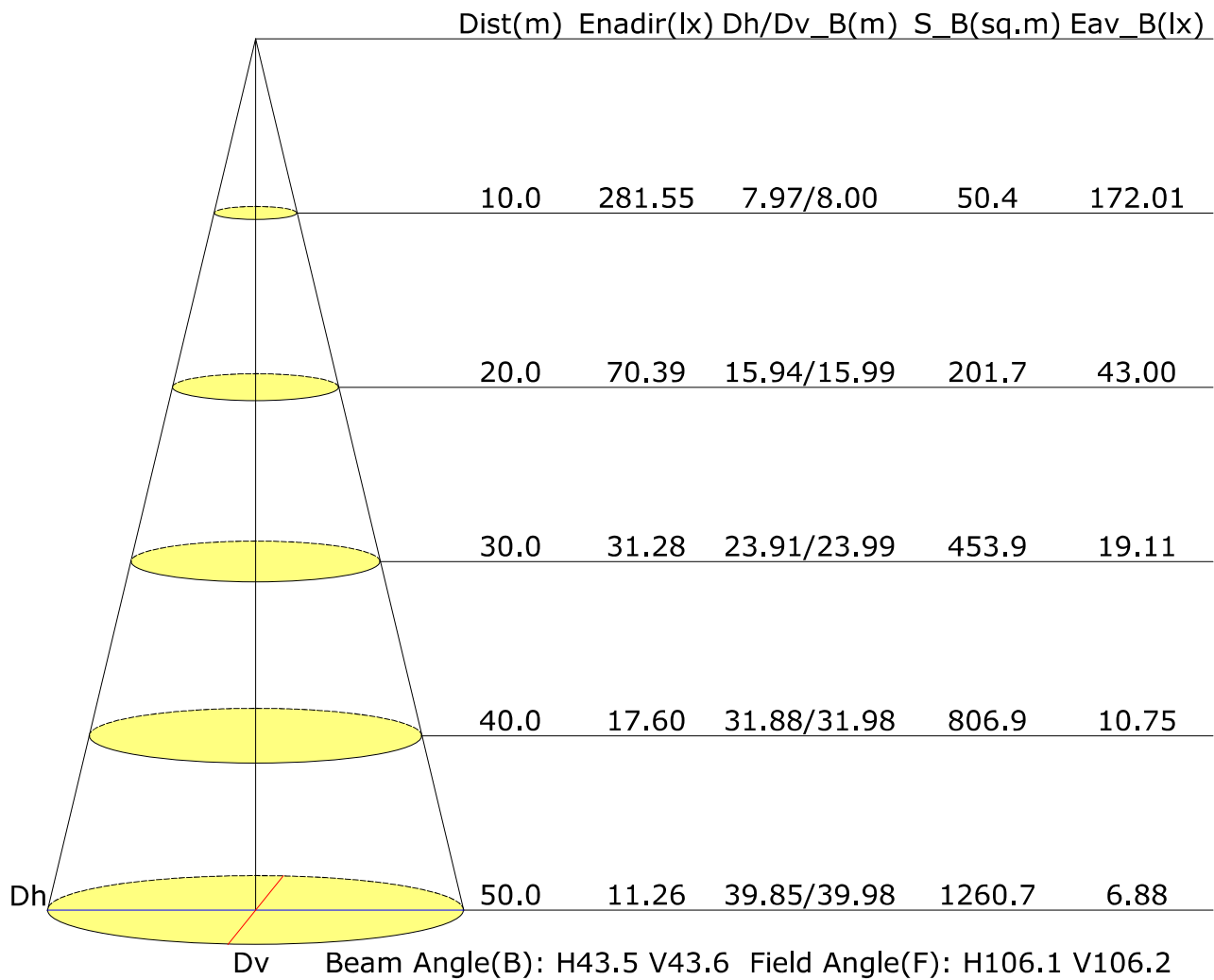
Test Device: LSG-1800B

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 (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: