

Report No.: 1

Test Time: 14.06.2018 15:09

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FI 105 20W Refond 32-34,5Lm 5000K IF 20,5-315

Lamp Description: LED

Luminous Length (mm): 390

Luminous Width (mm): 105

Luminous Height (mm): 85

Voltage: 230.9 V

Current: 0.074 A

Power: 15.85 W

Power Factor: 0.917

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2159.6 lm

Measurement Flux: 2159.6 lm

Efficiency: 100%

Downward Ratio: 98%

Upward Ratio: 2%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 153.8, 164.1, 170.2, 171.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.9, 109.4, 108.3, 107.5

Luminaire Efficacy Rating (LER): 136.30

Central Intensity: 755.68 cd

Max. Intensity: 841.27 cd

Pos of Max. Intensity: H292.5 V5

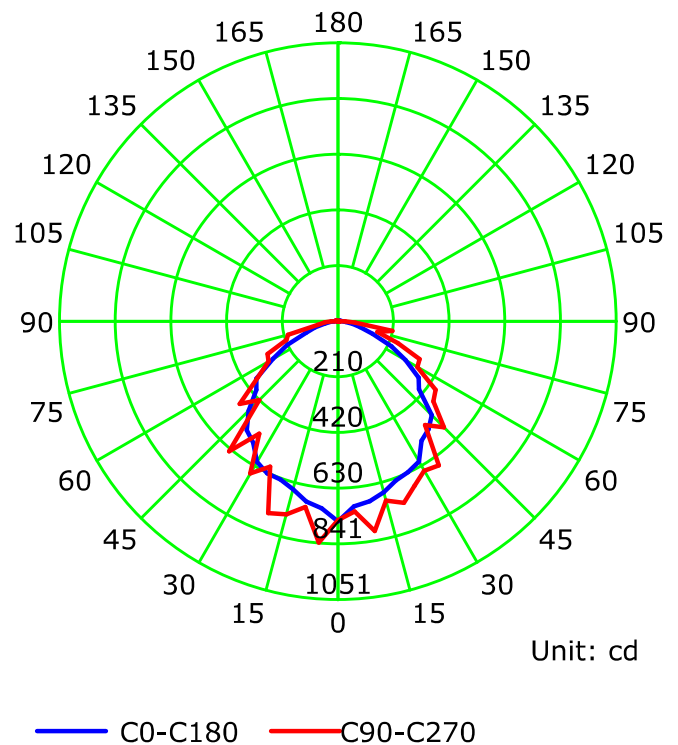
S/MH(C0/C180): 1.20

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



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

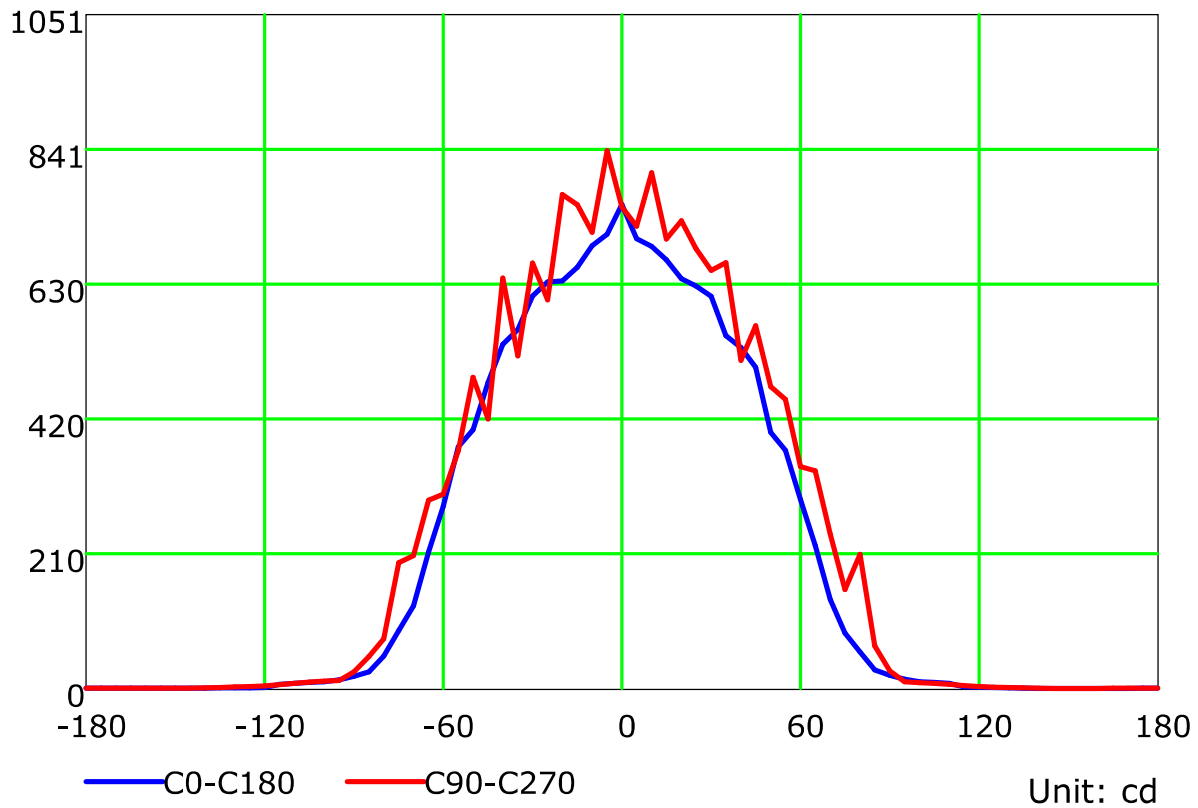
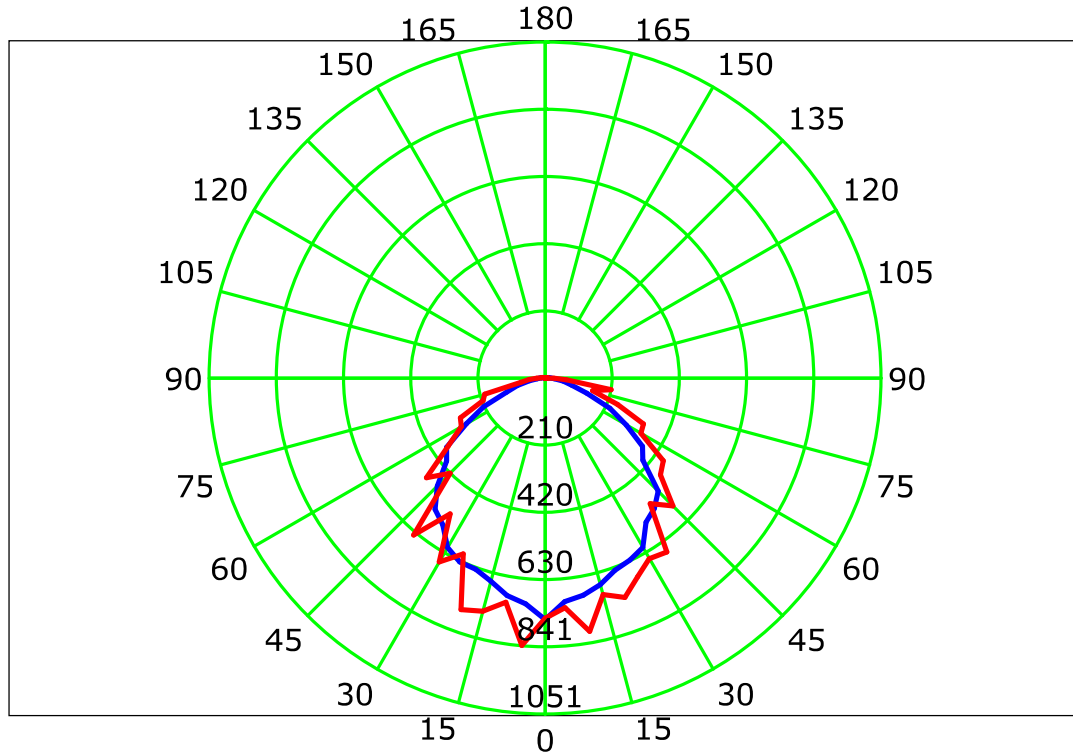
Temperature:

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

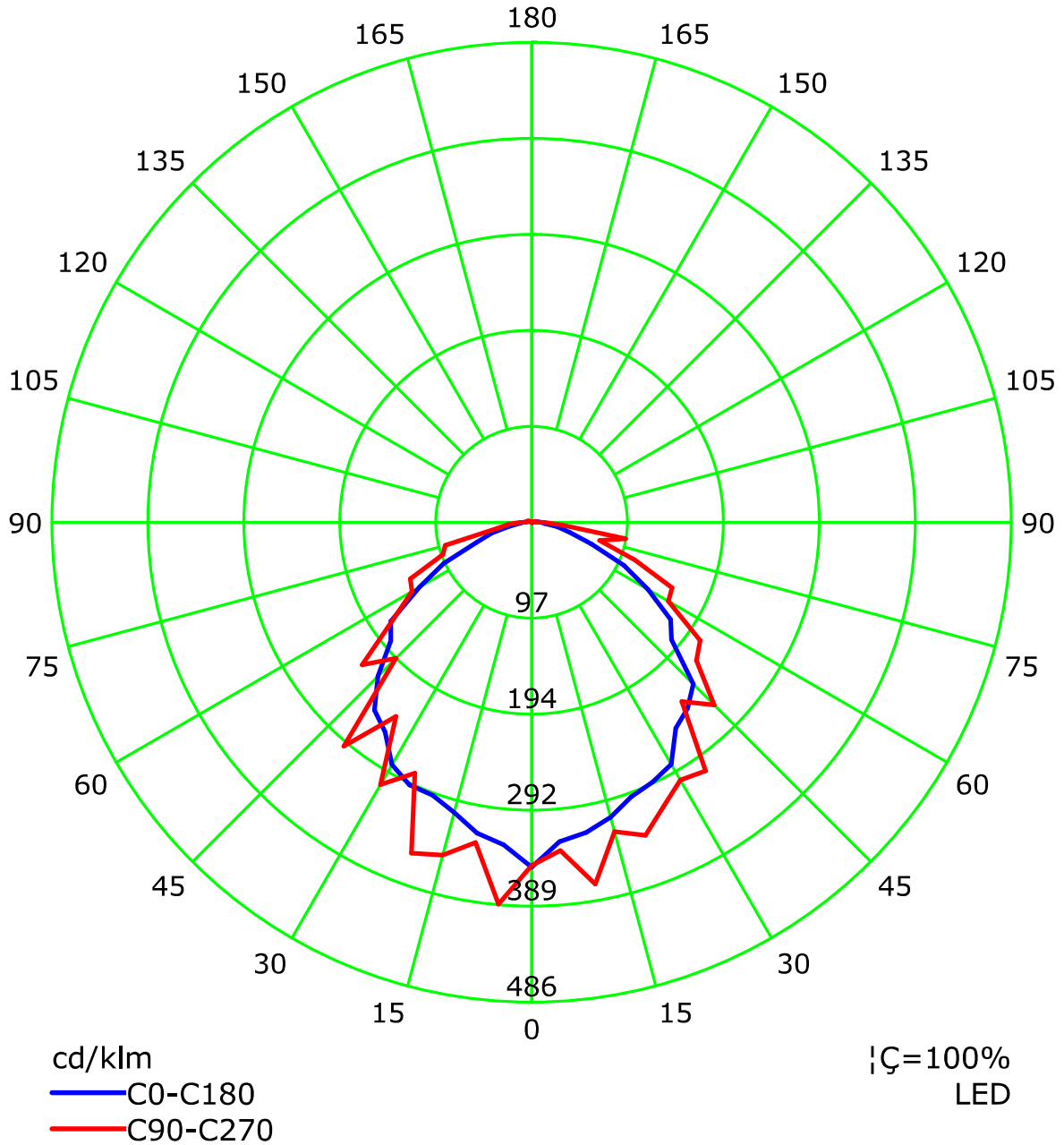
Test Device: LSG-1800B

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

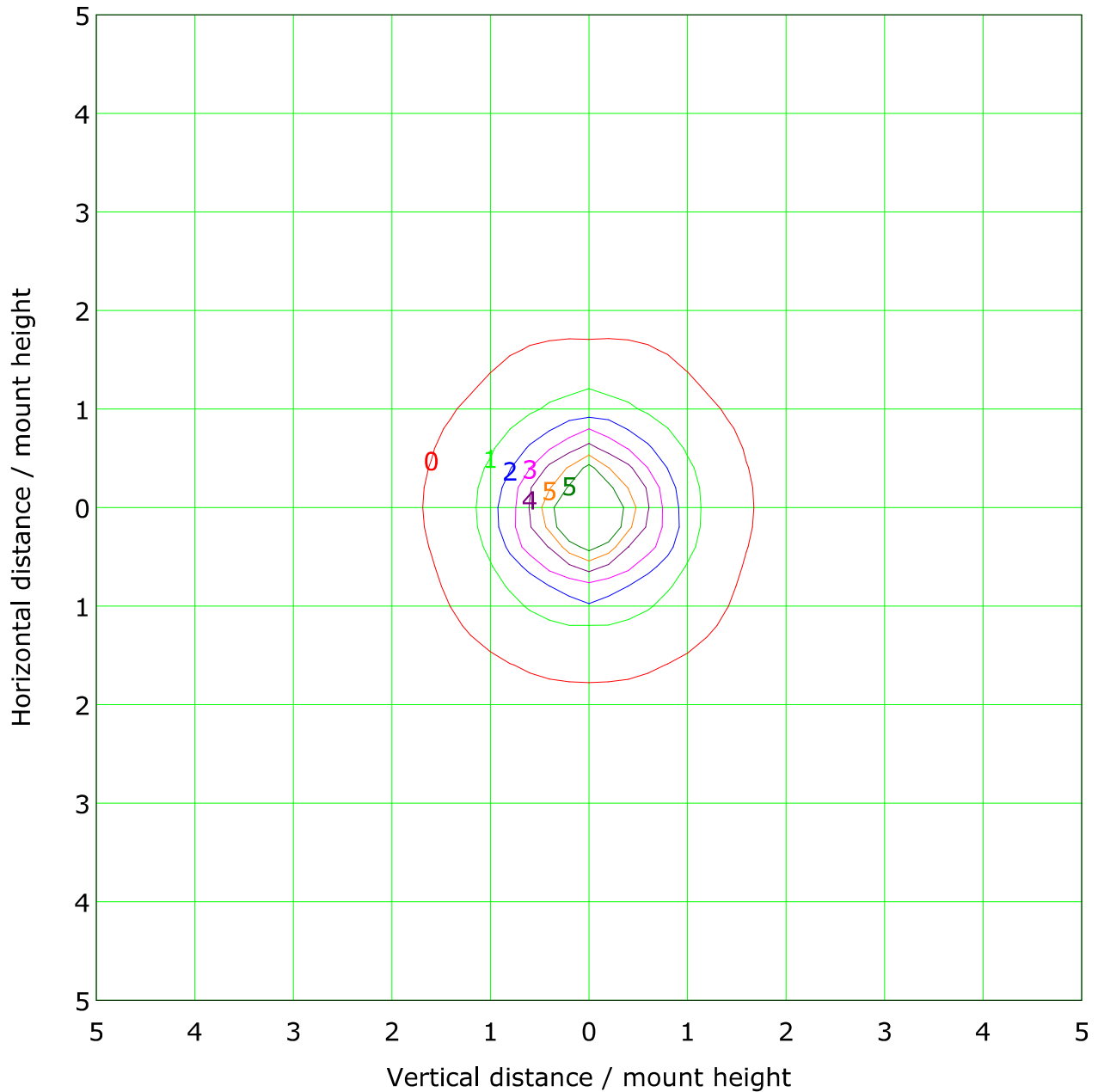
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 8.3 lx	
(5%):	0.4 lx	(15%):	1.2 lx
(25%):	2.1 lx	(35%):	2.9 lx
(45%):	3.7 lx	(55%):	4.6 lx
(65%):	5.4 lx		

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

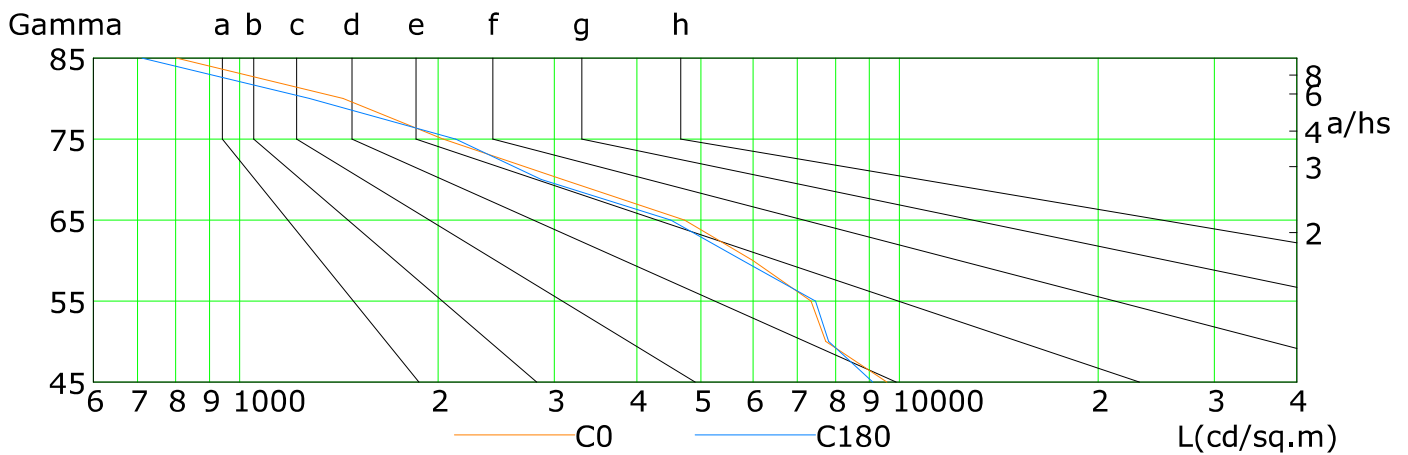
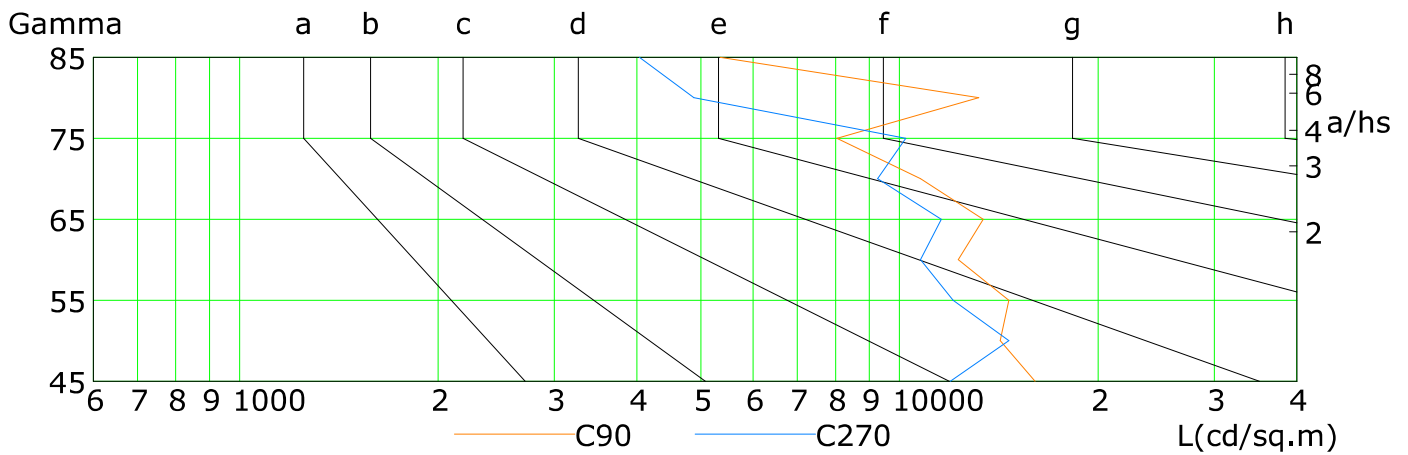
Humidity:

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	9569	7734	7346	5993	4723	3086	2034	1434	802
C90	16057	14215	14649	12278	13393	10763	8038	13180	5345
C180	9116	7806	7457	5785	4504	2865	2127	1275	712
C270	11940	14648	12054	10765	11573	9262	10217	4882	4034

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

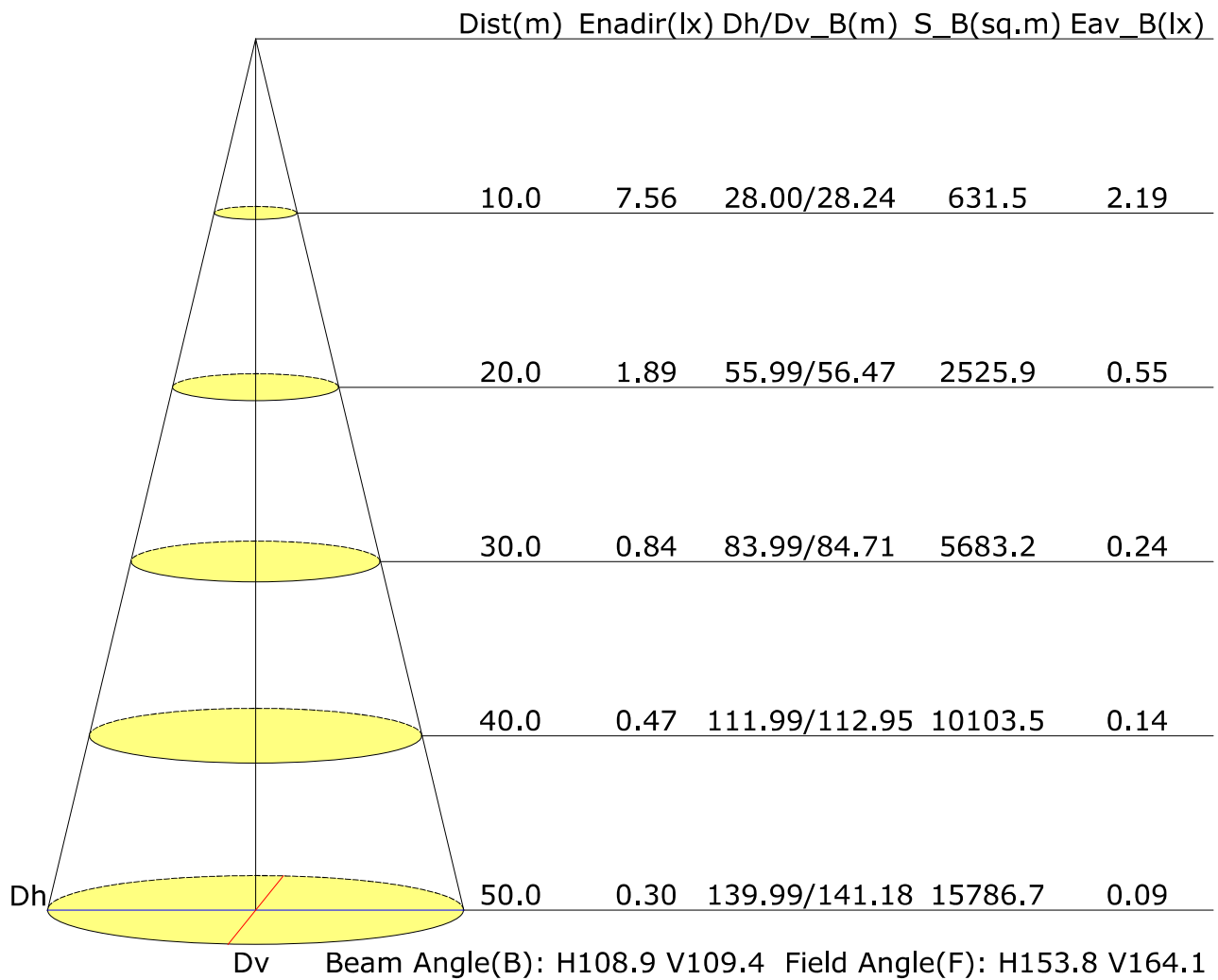
Test Device: LSG-1800B

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: