

Report No.: 2

Test Time: 08.02.2018 15:51

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 45W Refond 32-34,5Lm 5000K microprism

Lamp Description: LED

Luminous Length (mm): 1550

Luminous Width (mm): 60

Luminous Height (mm): 80

Voltage: 231.1 V

Current: 0.188 A

Power: 43.16 W

Power Factor: 0.988

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 5857.9 lm

Measurement Flux: 5857.9 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 161.2, 152.4, 152.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 78.9, 74.9, 74.6, 75.0

Luminaire Efficacy Rating (LER): 135.78

Central Intensity: 3077.89 cd

Max. Intensity: 3090.49 cd

Pos of Max. Intensity: H120 V4

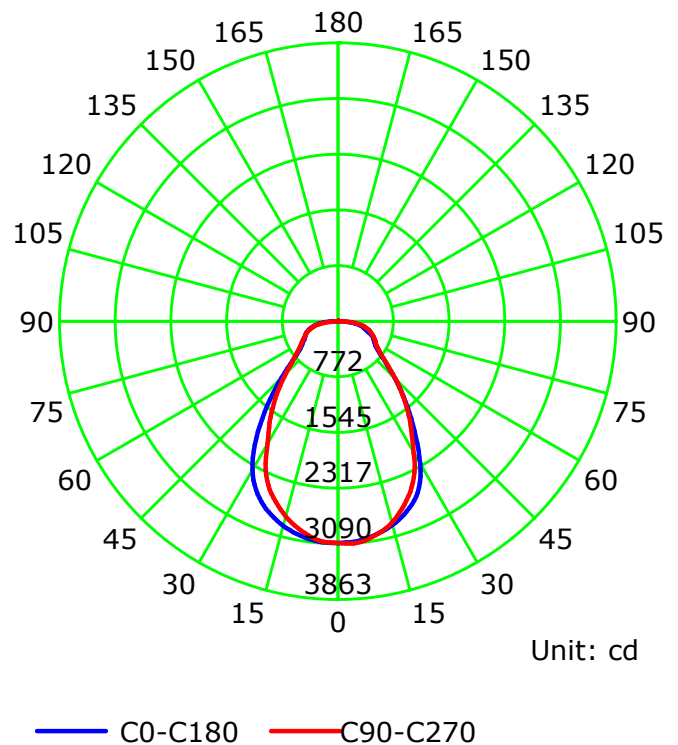
S/MH(C0/C180): 1.14

S/MH(C90/C270): 1.05

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

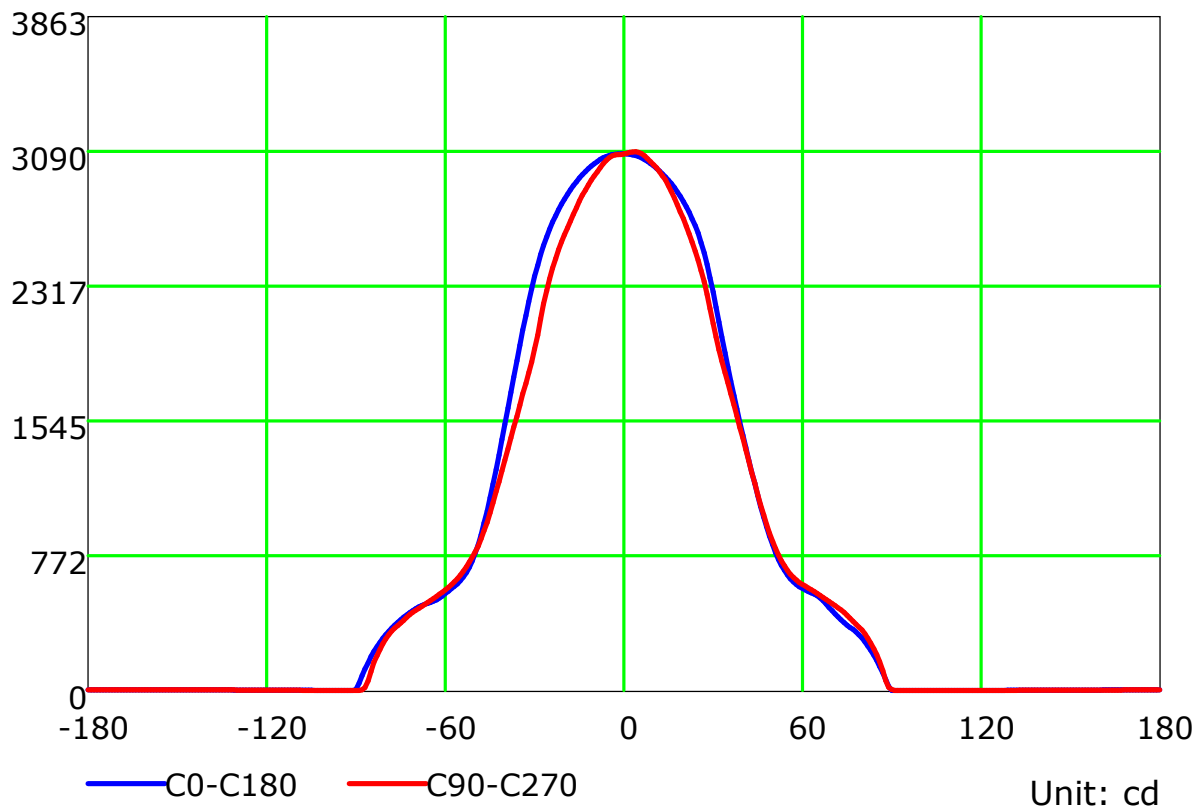
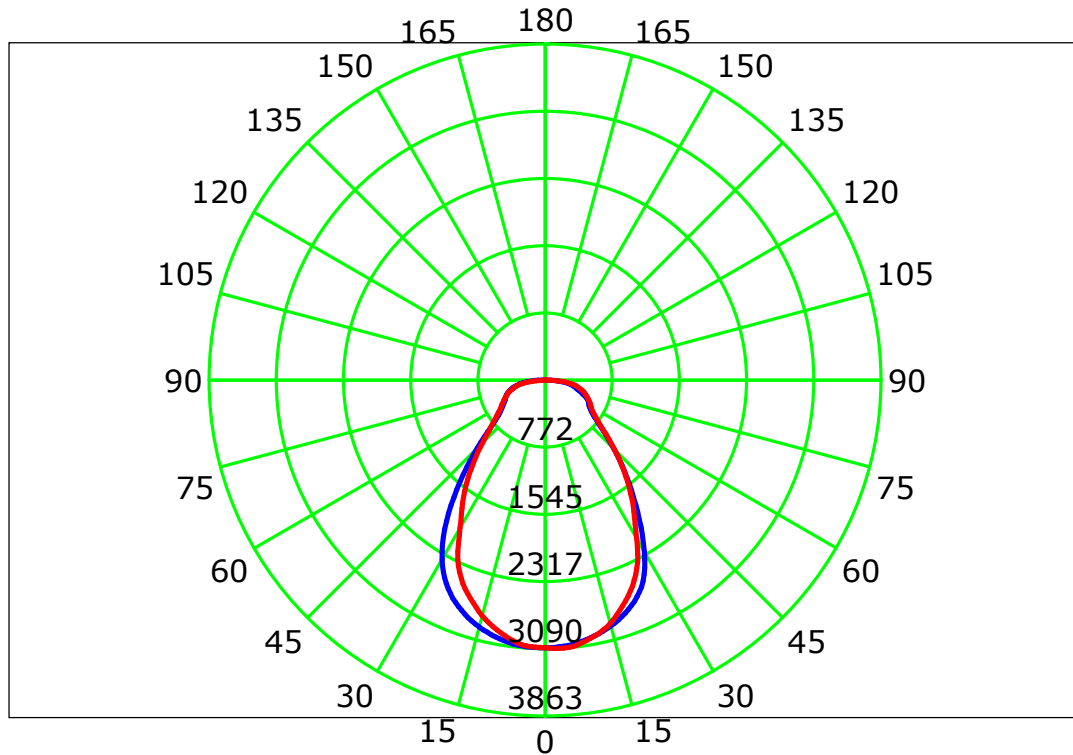
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

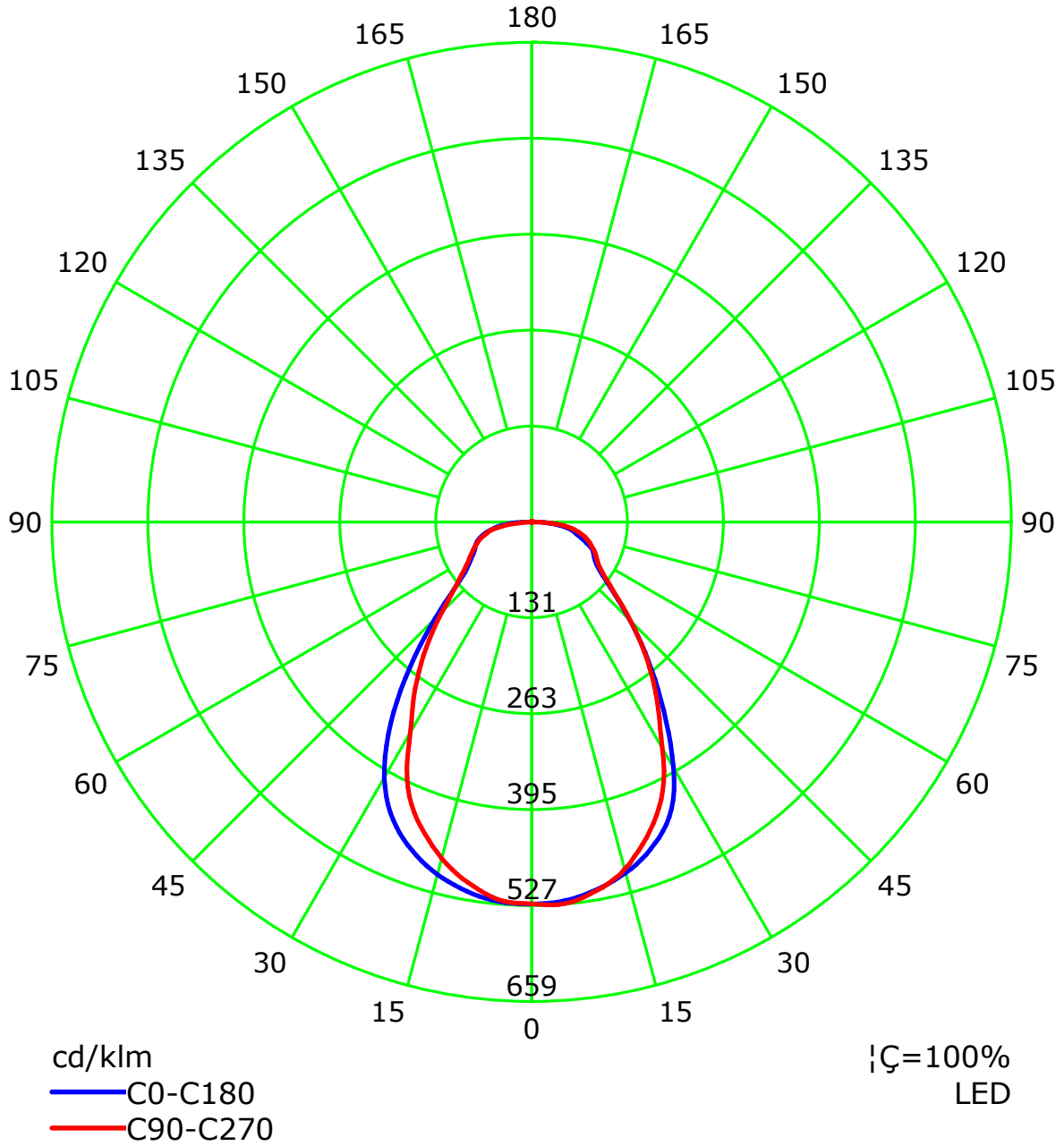
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

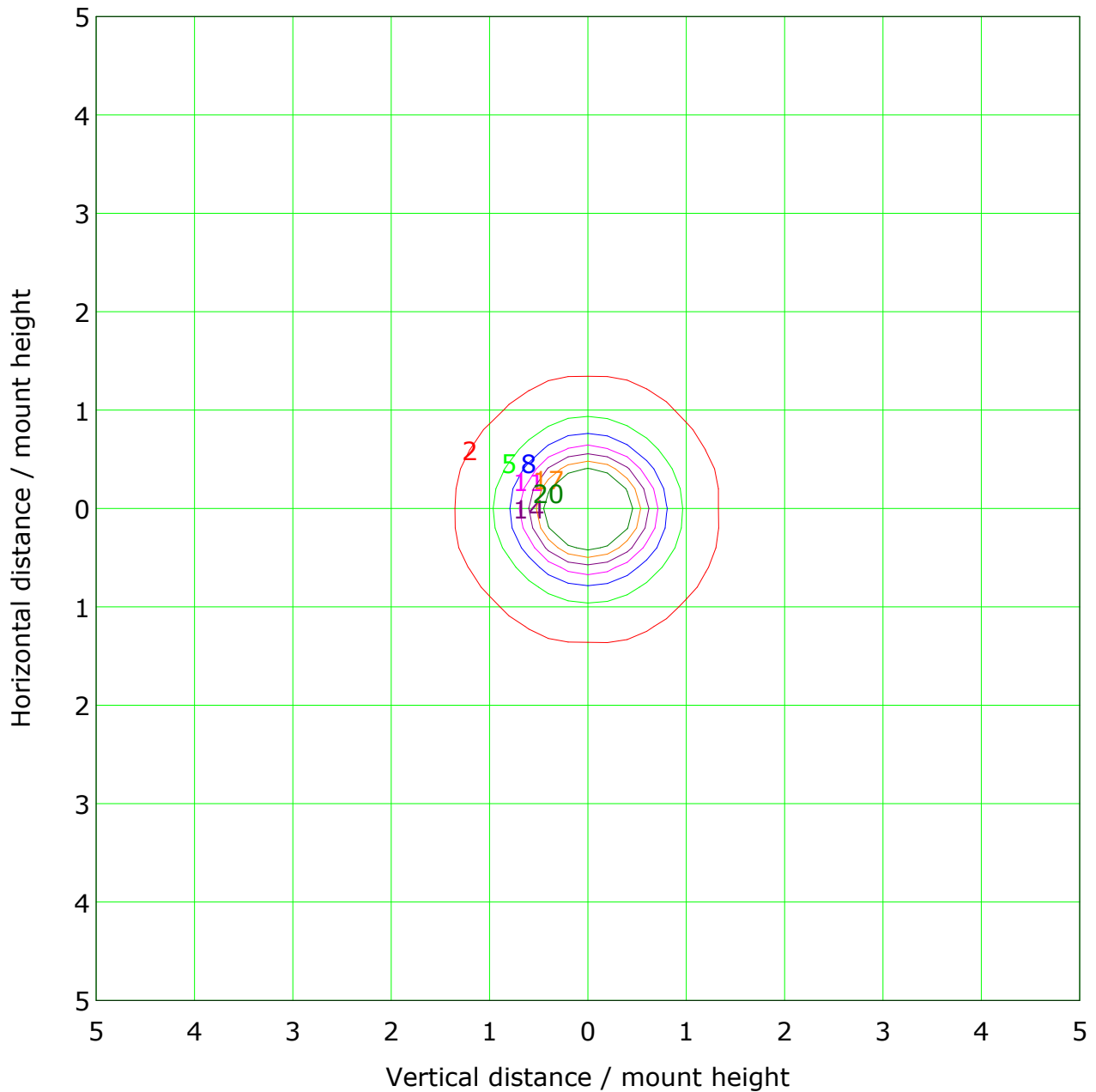
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 30.8 lx	
(5%):	1.5 lx	(15%):	4.6 lx
(25%):	7.7 lx	(35%):	10.8 lx
(45%):	13.9 lx	(55%):	16.9 lx
(65%):	20.0 lx		

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Test Lab:

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Test Device: LSG-1800B

Distance: 12.654 m

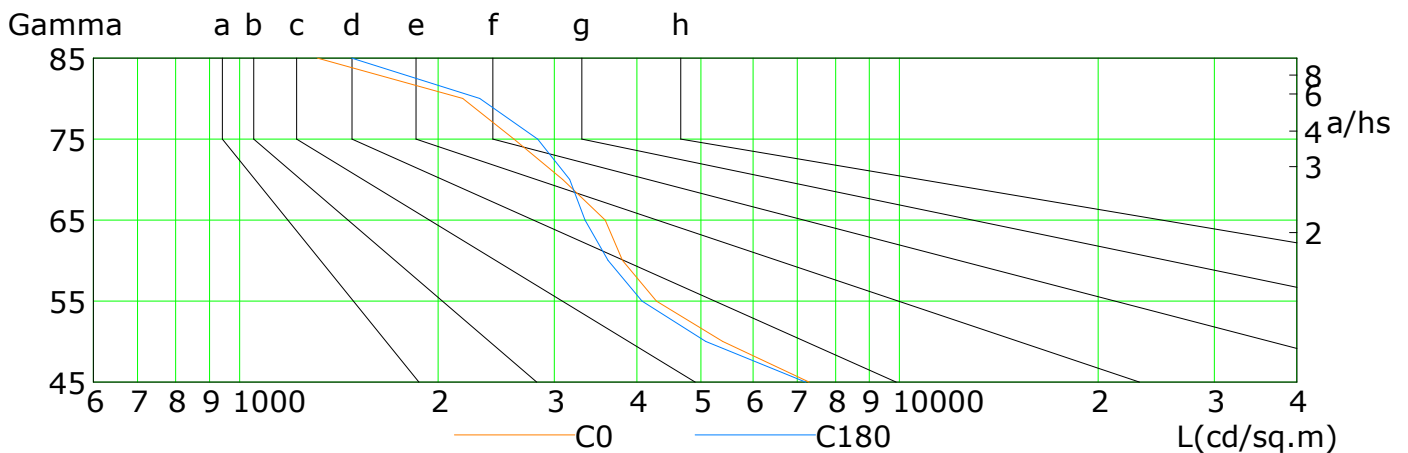
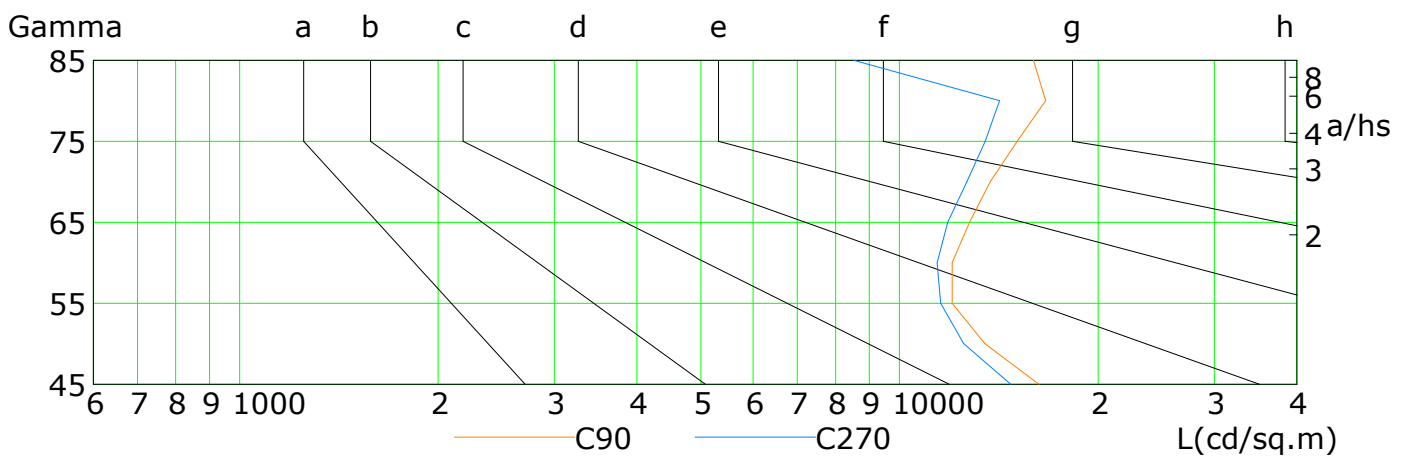
Humidity:

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	7298	5397	4283	3806	3583	3086	2605	2180	1312
C90	16267	13467	12023	12017	12771	13726	15082	16649	15965
C180	7204	5084	4072	3618	3337	3164	2831	2311	1478
C270	14737	12517	11545	11409	11839	12656	13489	14180	8526

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

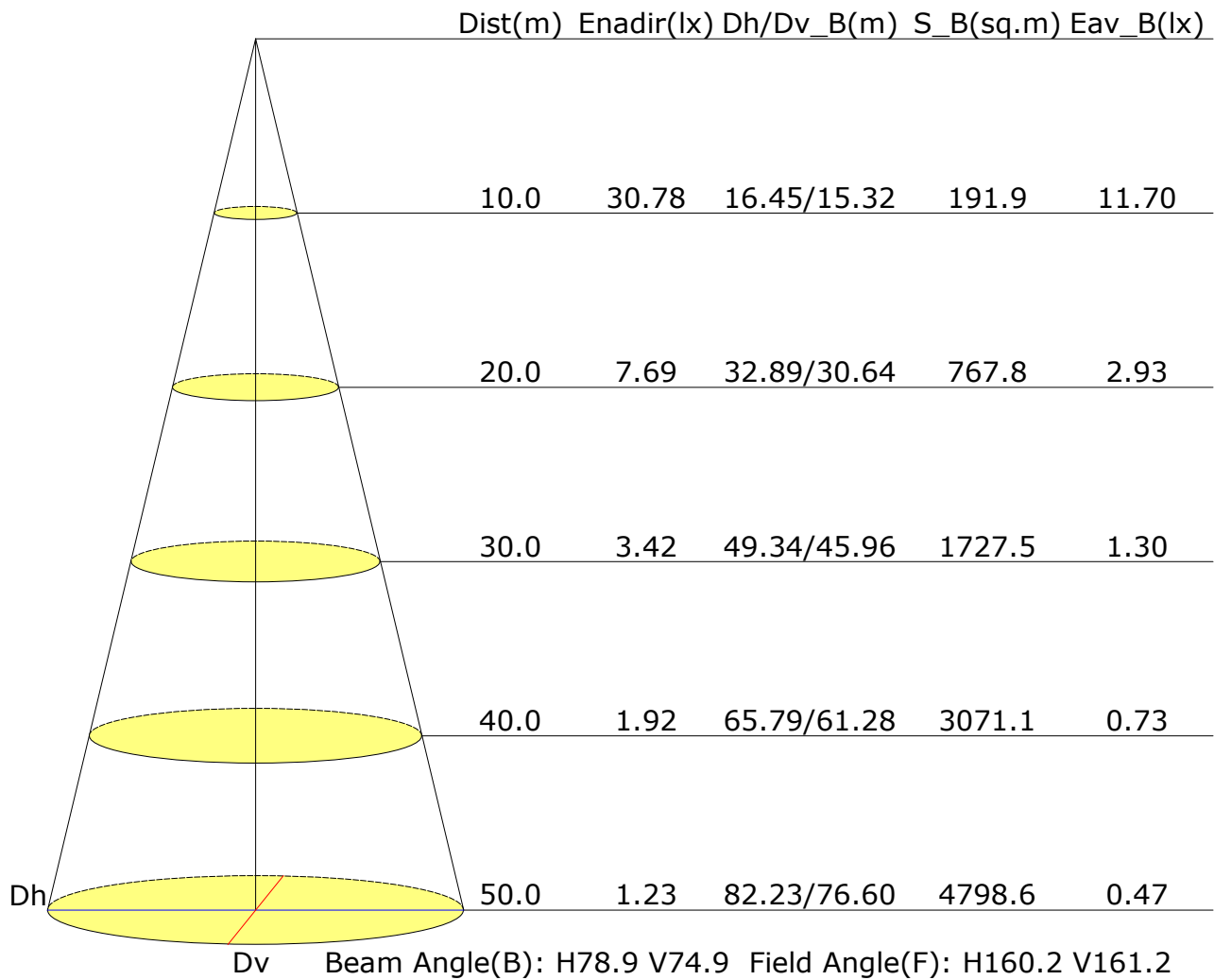
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: