

Report No.: 19

Test Time: 17.10.2017 10:45

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 50 3x25LED 40W Refond 125-127,5Lm 3000K

Lamp Description: LED

Luminous Length (mm): 945

Luminous Width (mm): 55

Luminous Height (mm): 85

Voltage: 232.0 V

Current: 0.175 A

Power: 40.27 W

Power Factor: 0.987

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3148.8 lm

Measurement Flux: 3148.8 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.6, 160.4, 161.8, 161.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.9, 110.7, 111.4, 111.4

Luminaire Efficacy Rating (LER): 78.24

Central Intensity: 1128.53 cd

Max. Intensity: 1128.8 cd

Pos of Max. Intensity: H180 V2

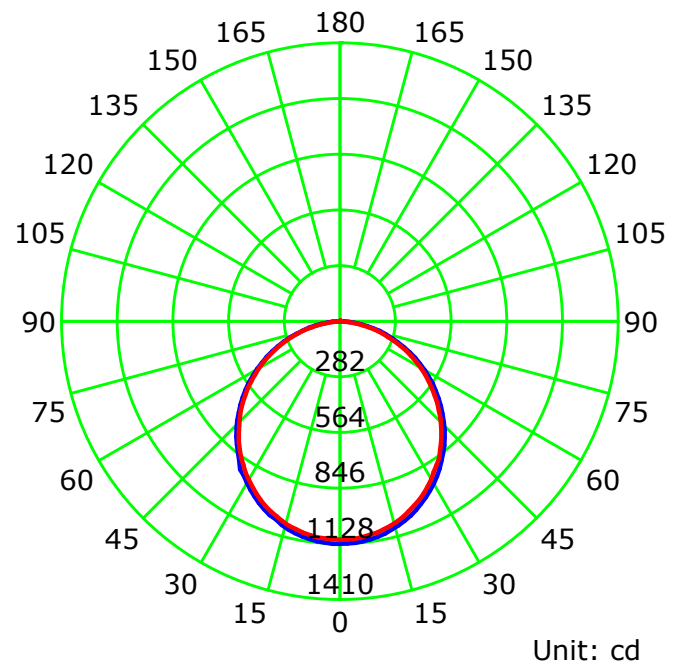
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:2.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.606 m

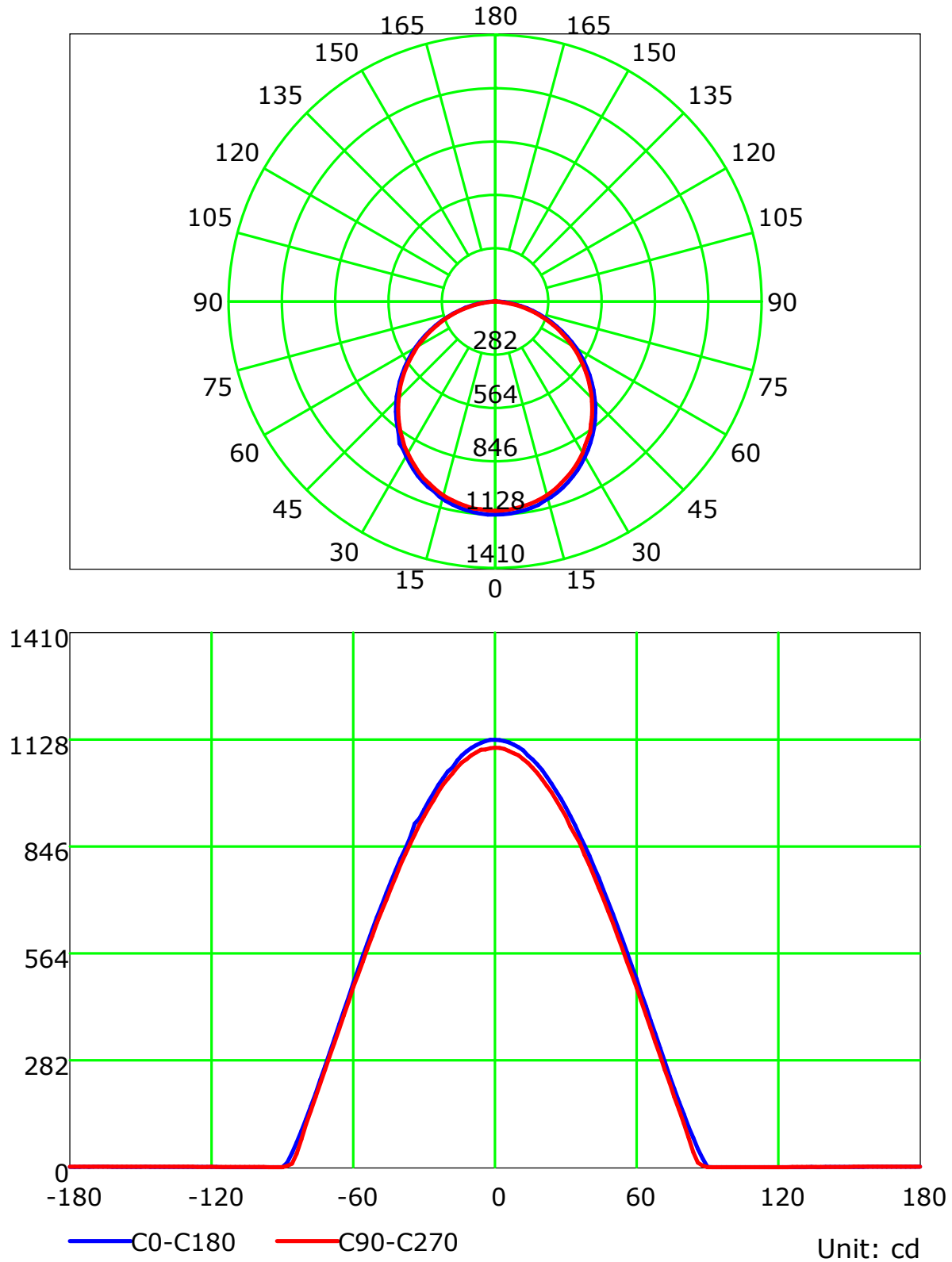
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

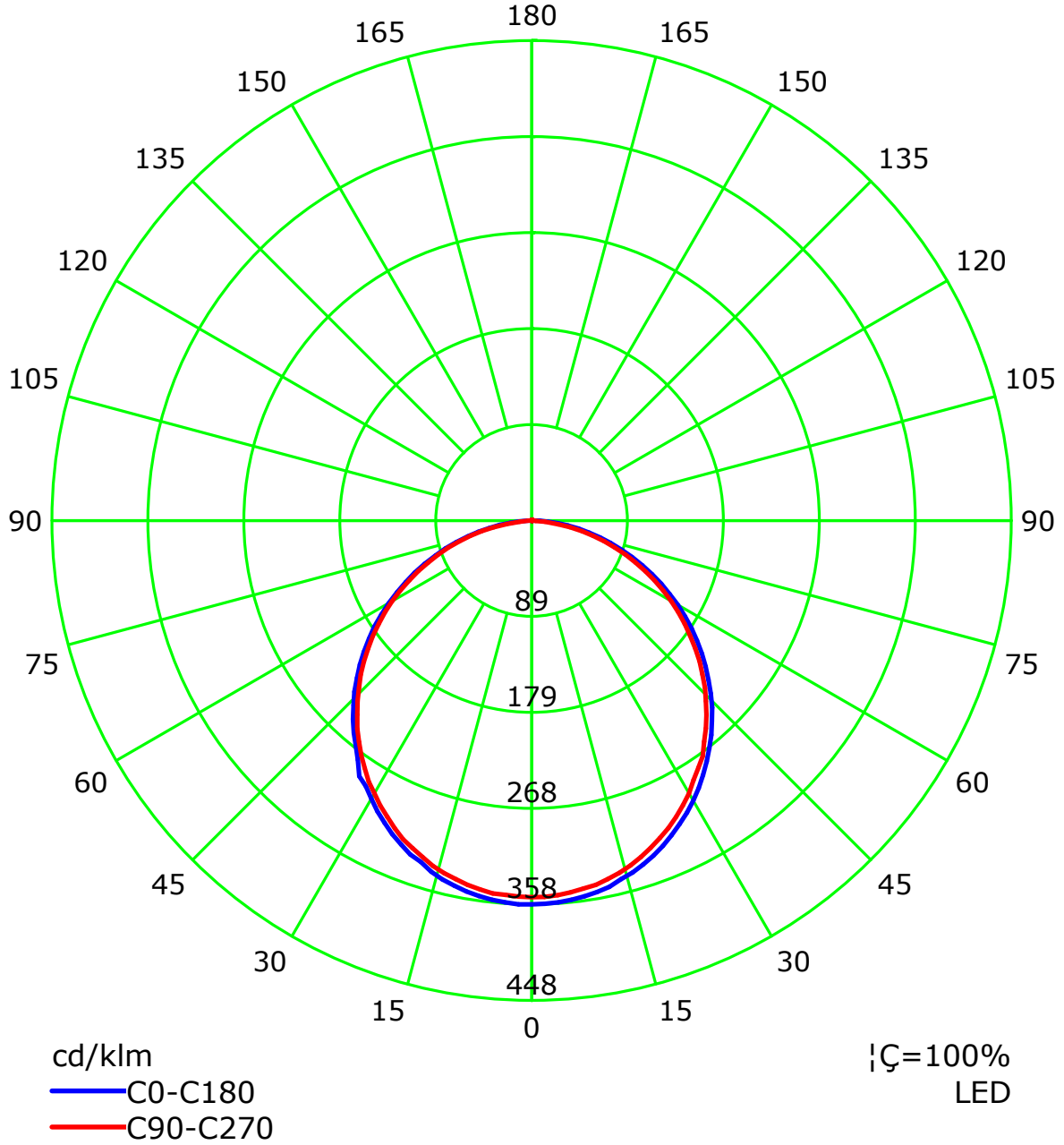
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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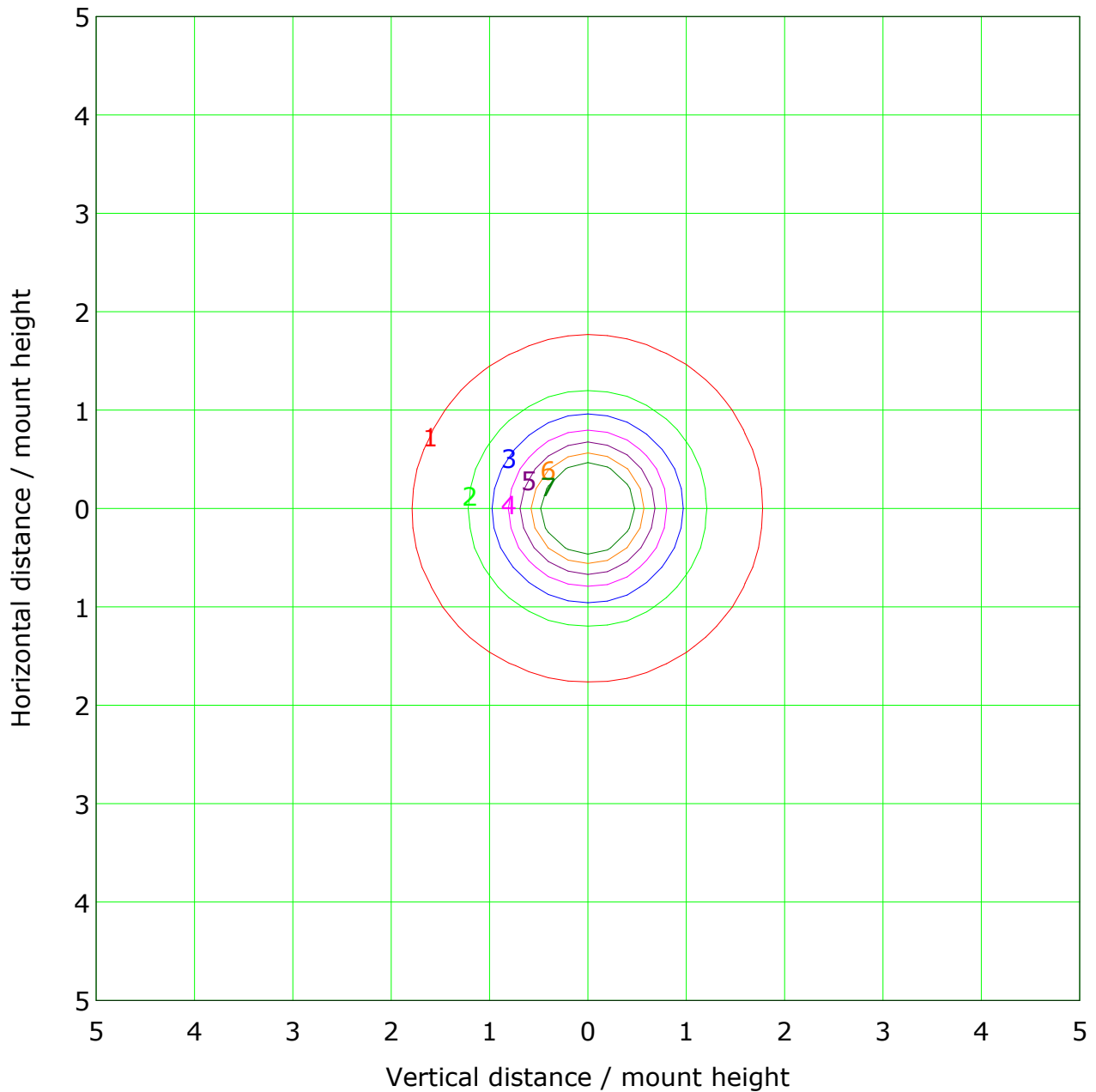
Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 11.3 lx	
(5%):	0.6 lx	(15%):	1.7 lx
(25%):	2.8 lx	(35%):	3.9 lx
(45%):	5.1 lx	(55%):	6.2 lx
(65%):	7.3 lx		

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Test Device: LSG-1800B

Distance: 12.606 m

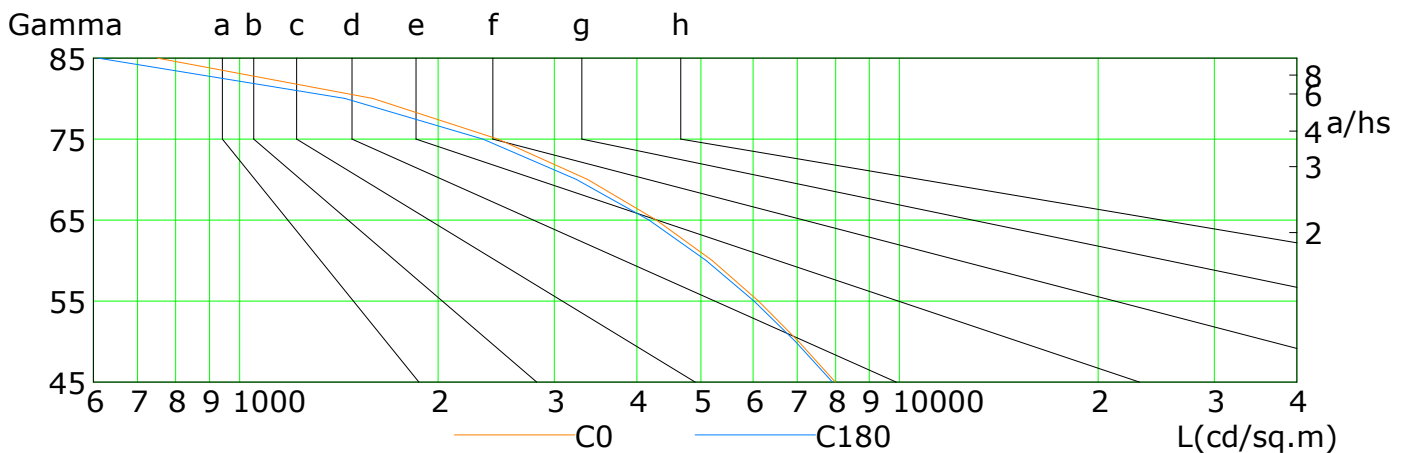
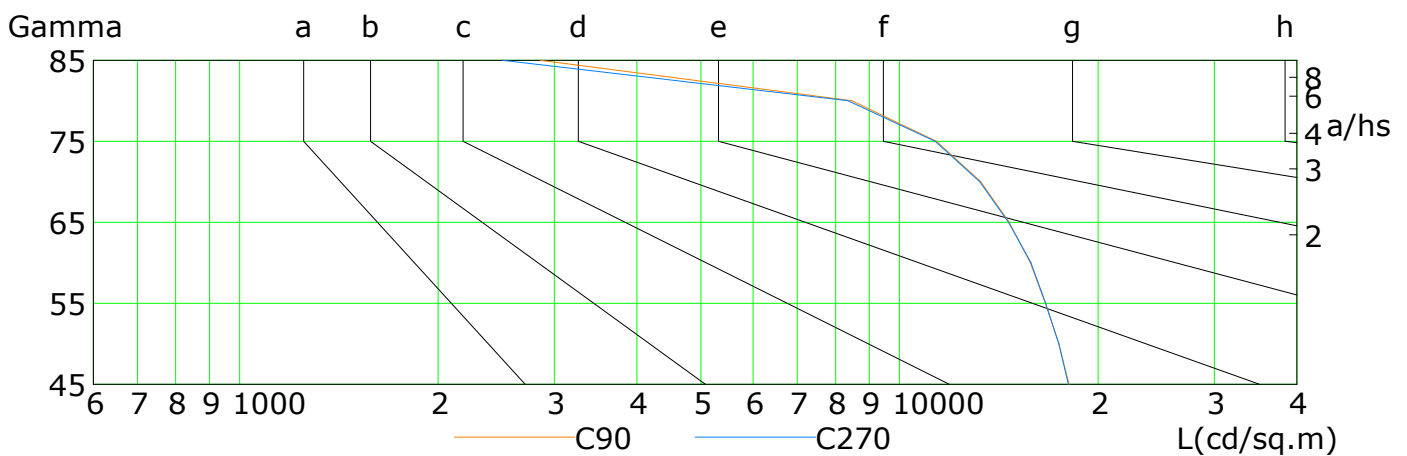
Humidity:

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	7998	7034	6113	5199	4284	3367	2463	1592	751
C90	18059	17425	16638	15779	14661	13270	11378	8467	2858
C180	7911	6951	6017	5089	4172	3239	2337	1445	610
C270	18034	17438	16659	15828	14627	13232	11328	8347	2506

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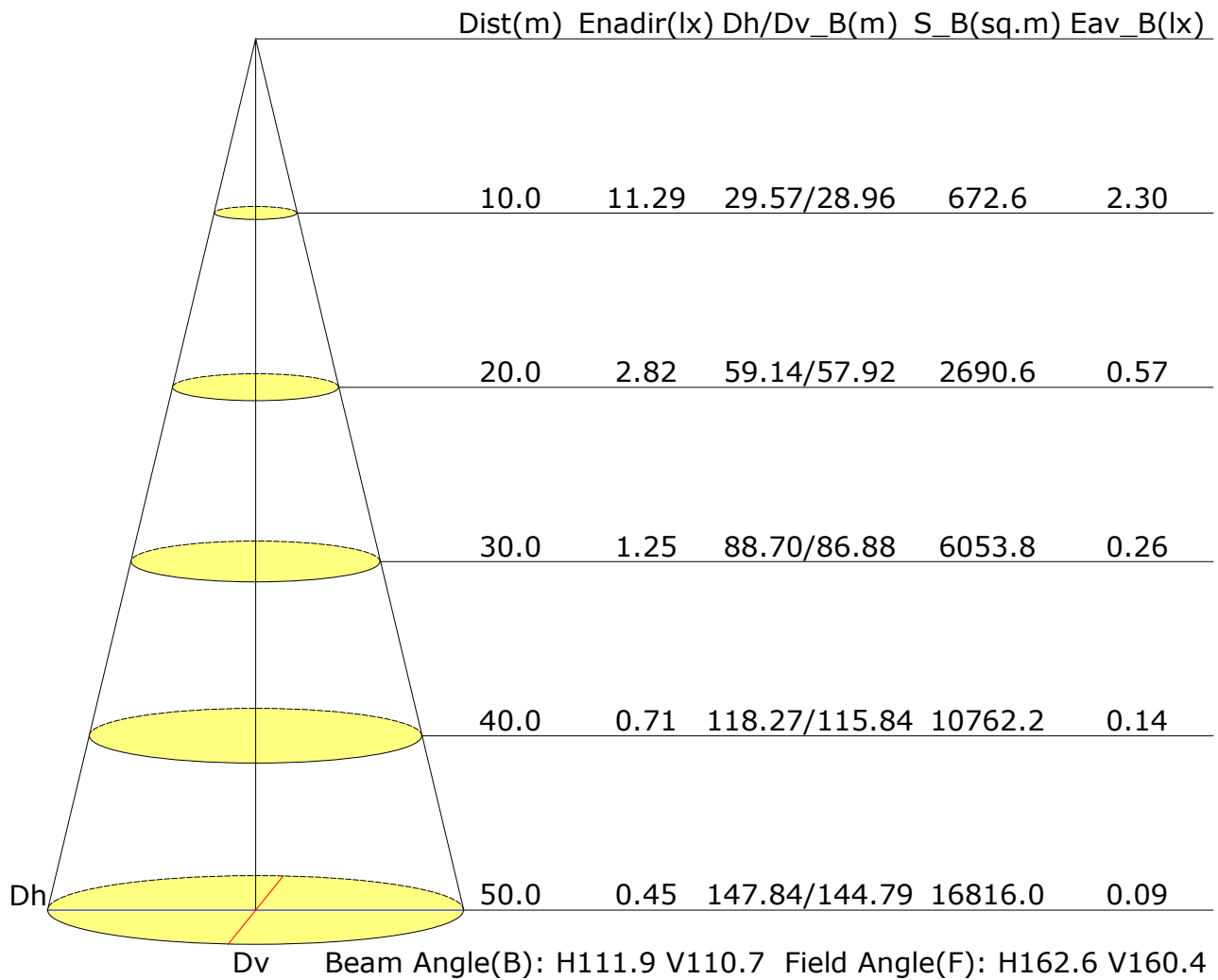
Test Device: LSG-1800B

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 (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.606 m

Humidity:

Inspector: