

Report No.: 1

Test Time: 01.09.2018 12:28

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: Pure aluminium 100W Sanan 2700-6500K

Lamp Description: LED

Luminous Width (mm): 200

Voltage: 221.6 V

Power: 88.52 W

Luminous Length (mm): 300

Luminous Height (mm): 20

Current: 0.420 A

Power Factor: 0.948

Photometric Results

CIE Class: Direct

Measurement Flux: 7040.3 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.9, 153.9, 155.5, 155.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.9, 115.5, 117.0, 116.9

Luminaire Efficacy Rating (LER): 79.58

Max. Intensity: 2474.37 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 7040.3 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 2471.56 cd

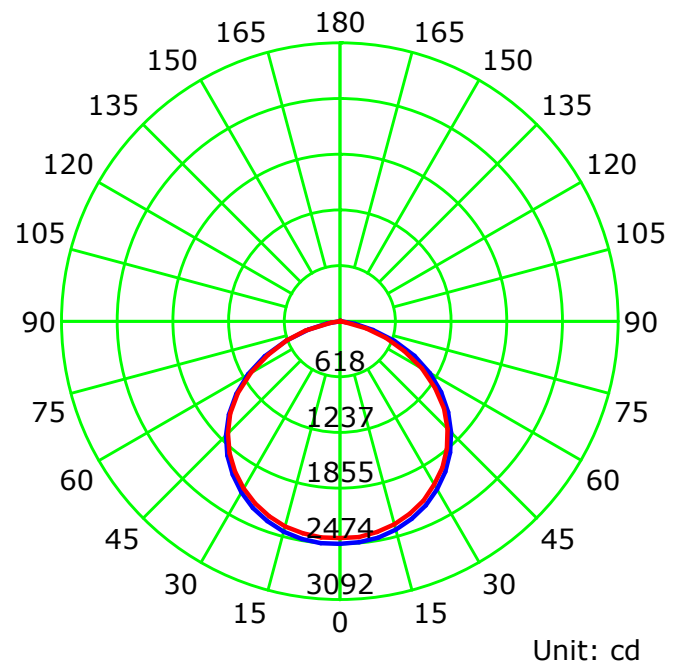
Pos of Max. Intensity: H180 V5

S/MH(C90/C270): 1.31

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 (°):0.0-180.0:5.0

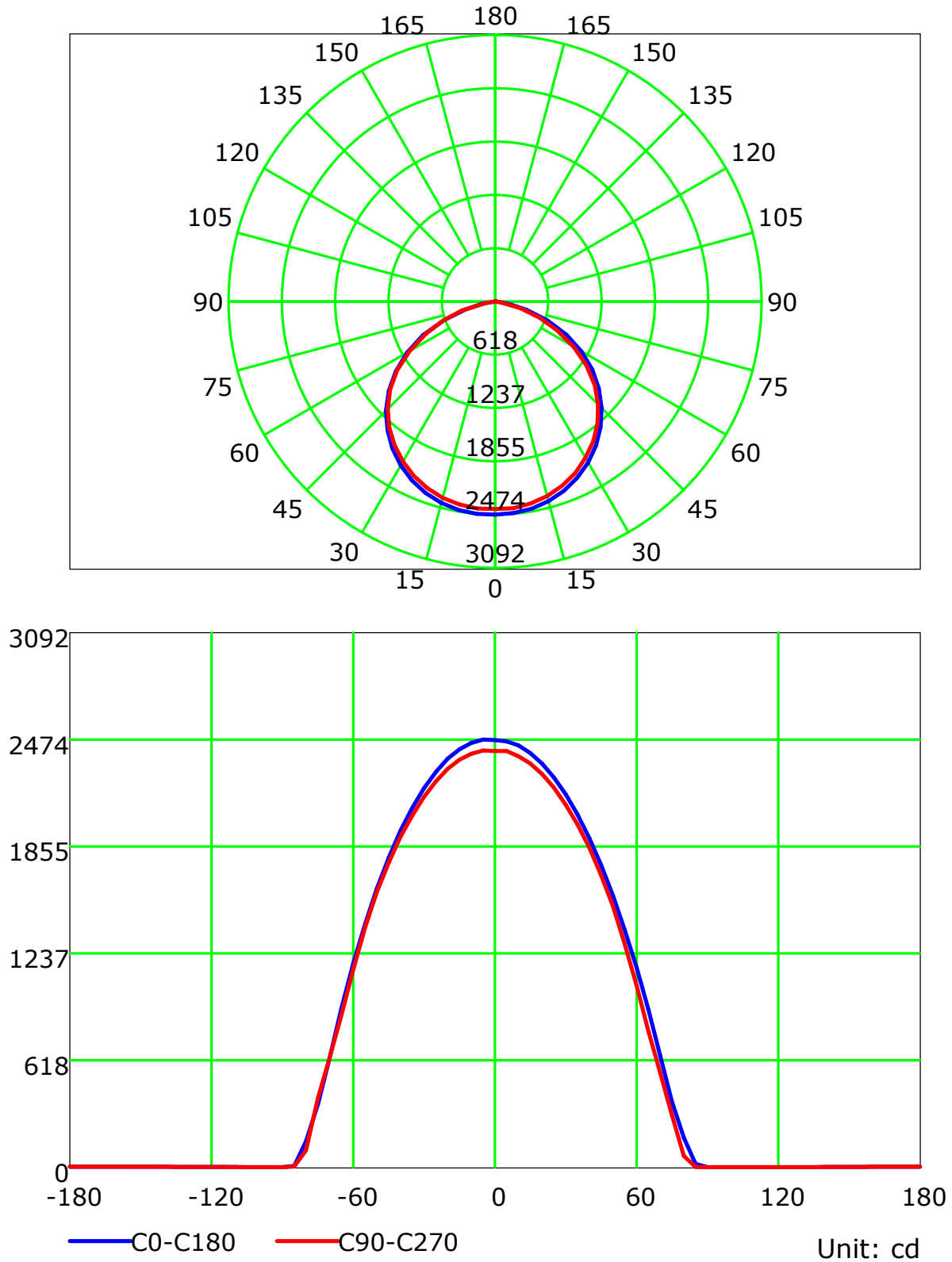
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

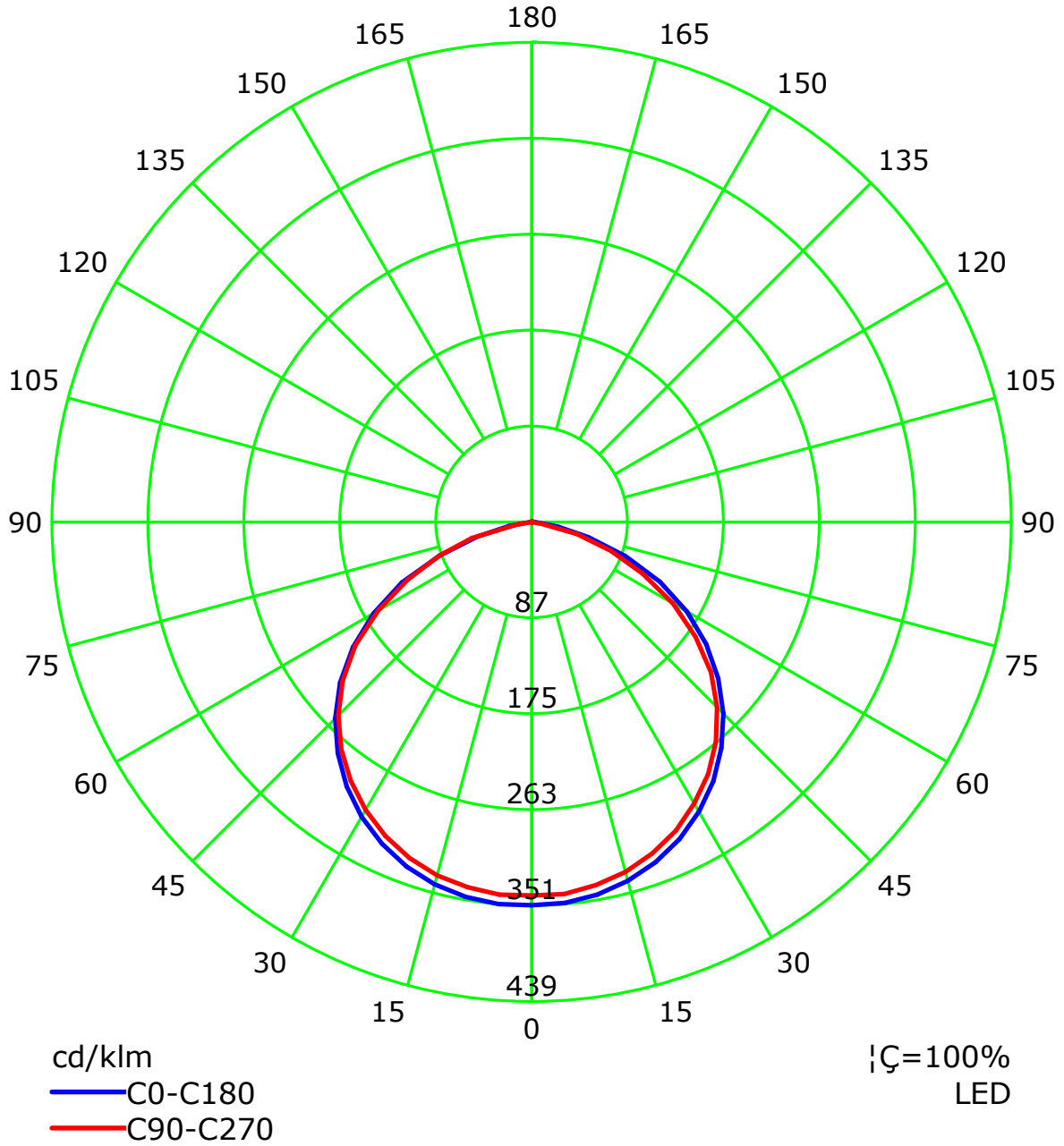
Test Device: LSG-1800B

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:

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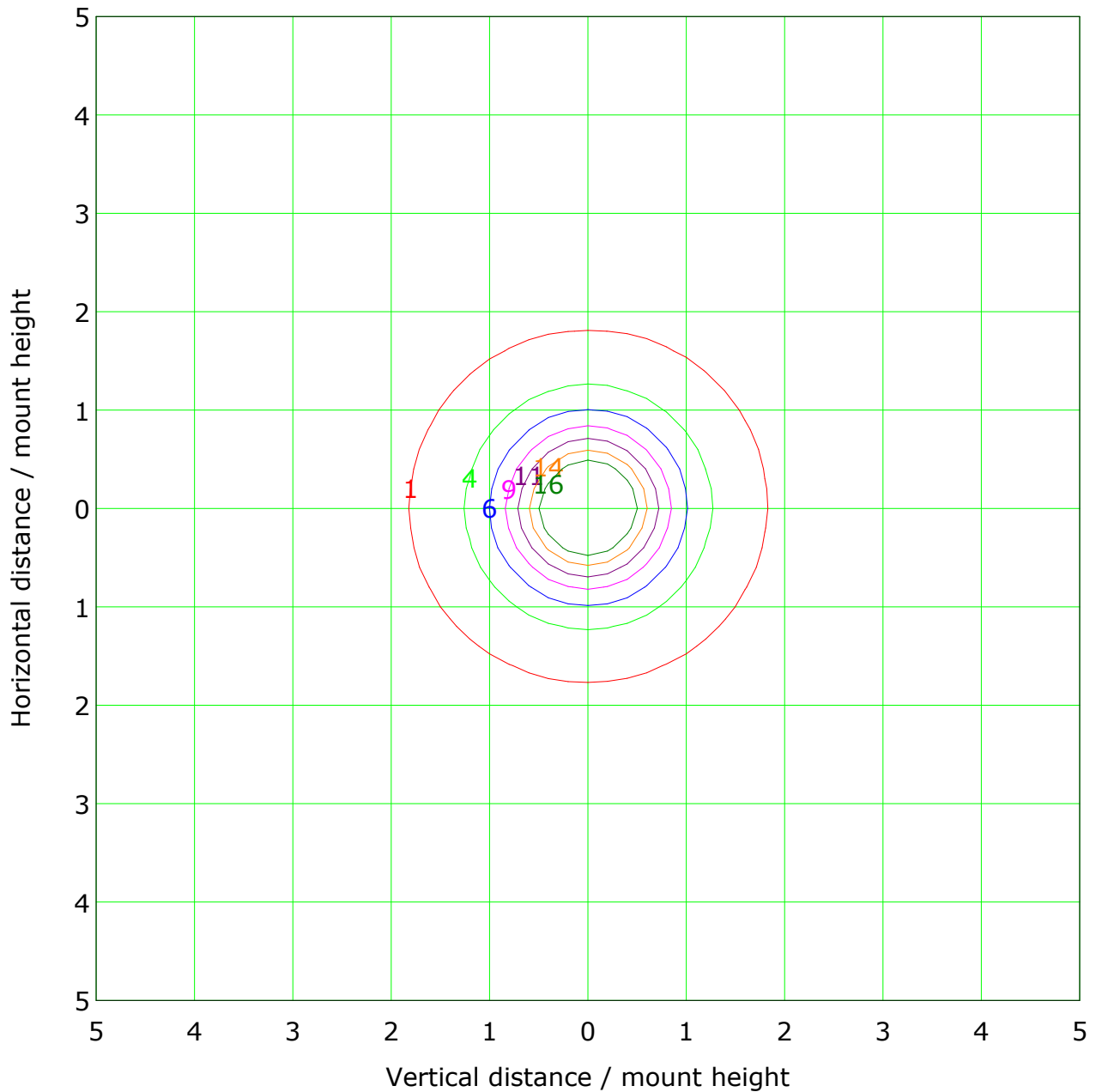
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 24.7 lx

(5%): 1.2 lx	(15%): 3.7 lx
(25%): 6.2 lx	(35%): 8.7 lx
(45%): 11.1 lx	(55%): 13.6 lx
(65%): 16.1 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

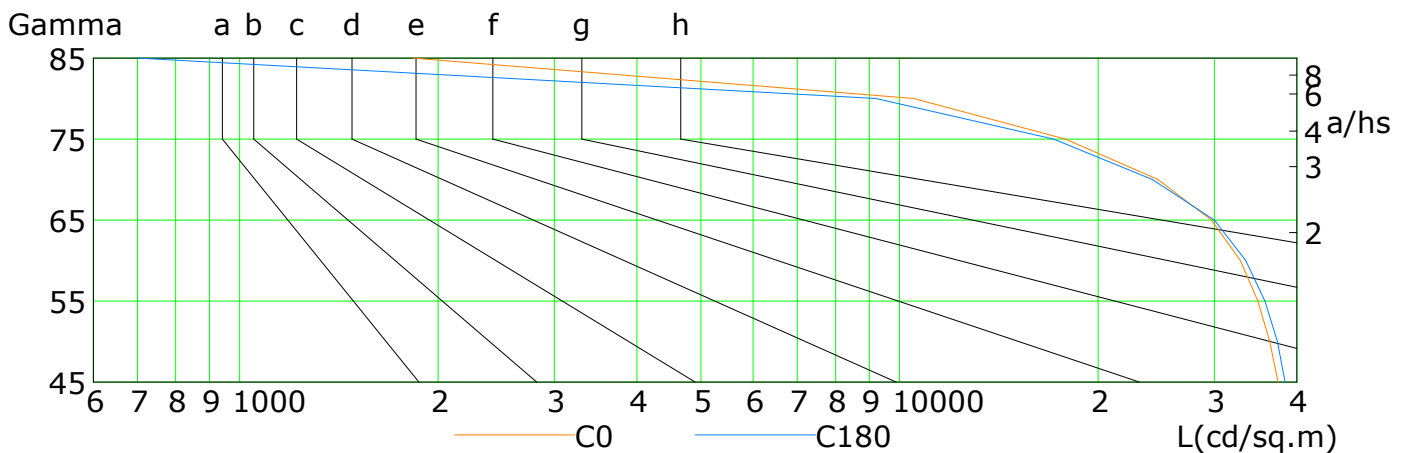
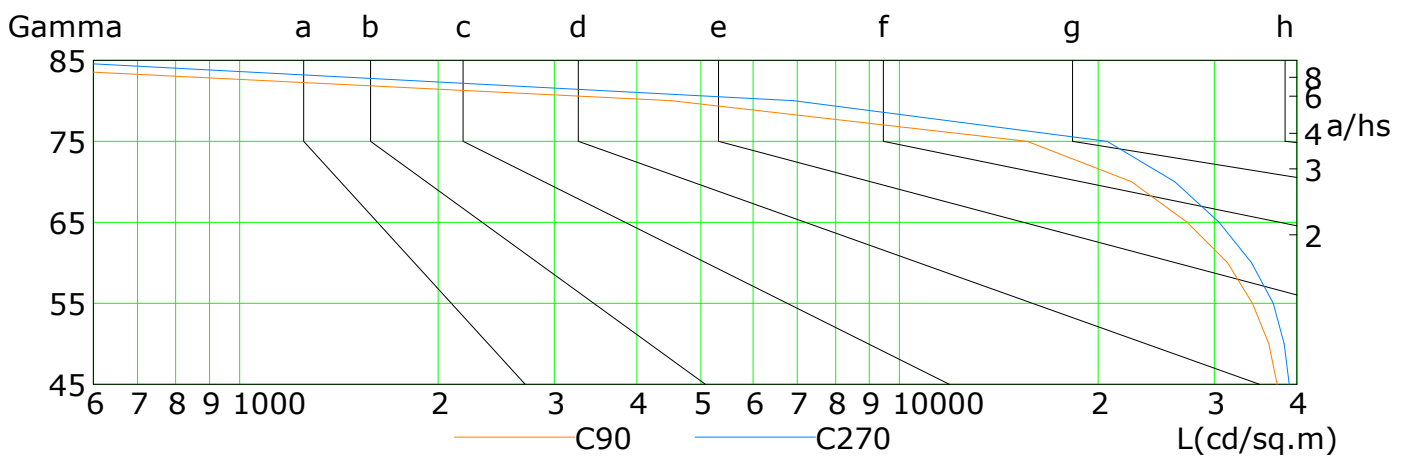
Humidity:

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	37489	36392	34929	32847	29690	24616	17839	10501	1832
C90	37359	36267	34268	31415	27275	22472	15604	4508	266
C180	38409	37373	35813	33490	30001	24164	17120	9208	702
C270	38971	38263	36843	34162	30511	26108	20638	6905	481

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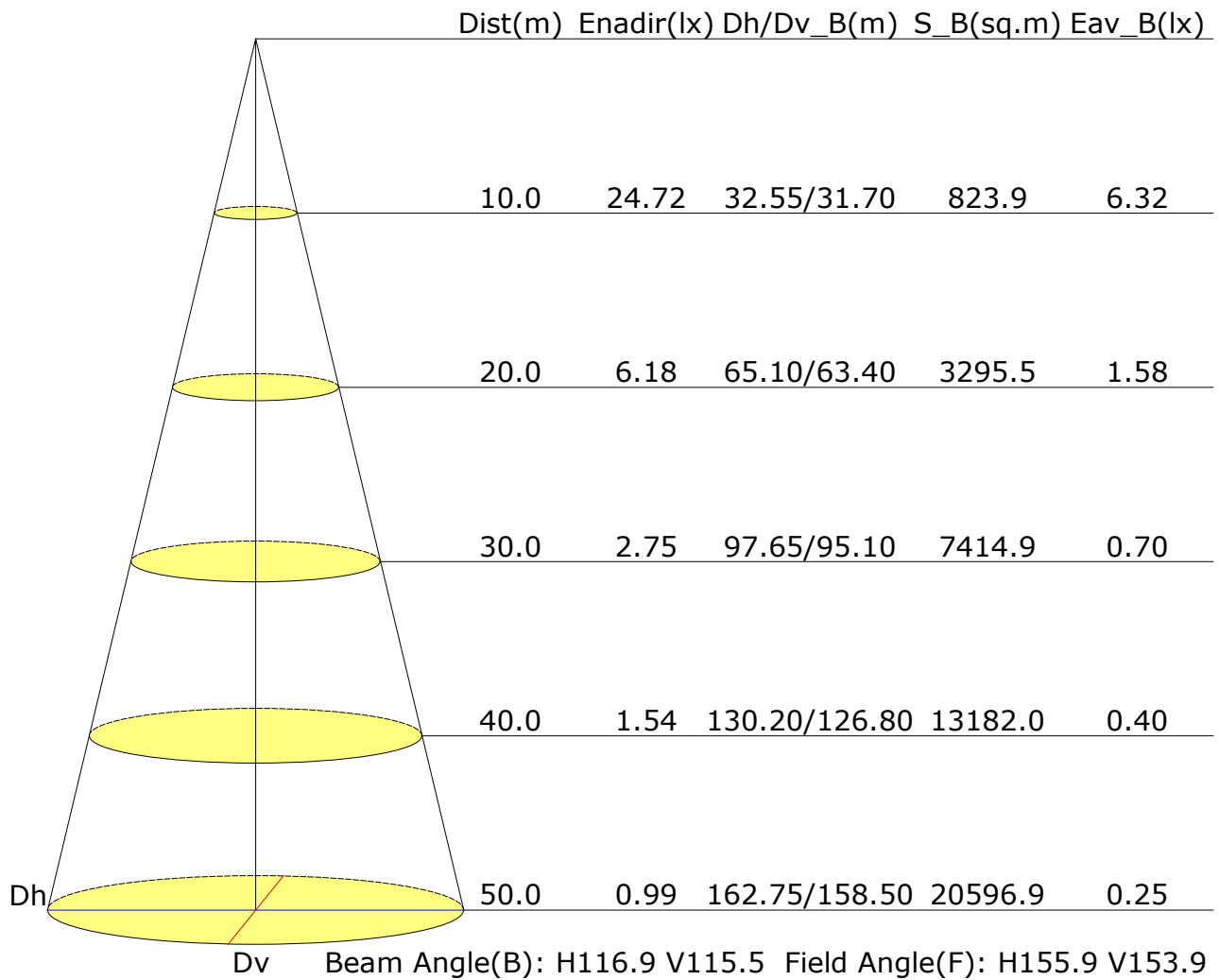
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: