

Report No.: 1

Test Time: 01.09.2018 14:47

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: Pure aluminium 30W Sanan 2700-6500K

Lamp Description: LED

Luminous Width (mm): 130

Voltage: 222.4 V

Power: 30.05 W

Luminous Length (mm): 185

Luminous Height (mm): 20

Current: 0.141 A

Power Factor: 0.958

Photometric Results

CIE Class: Direct

Measurement Flux: 2324.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.2, 145.8, 153.1, 153.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.7, 117.7, 115.6, 115.6

Luminaire Efficacy Rating (LER): 77.40

Max. Intensity: 827.97 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 2324.5 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 827.59 cd

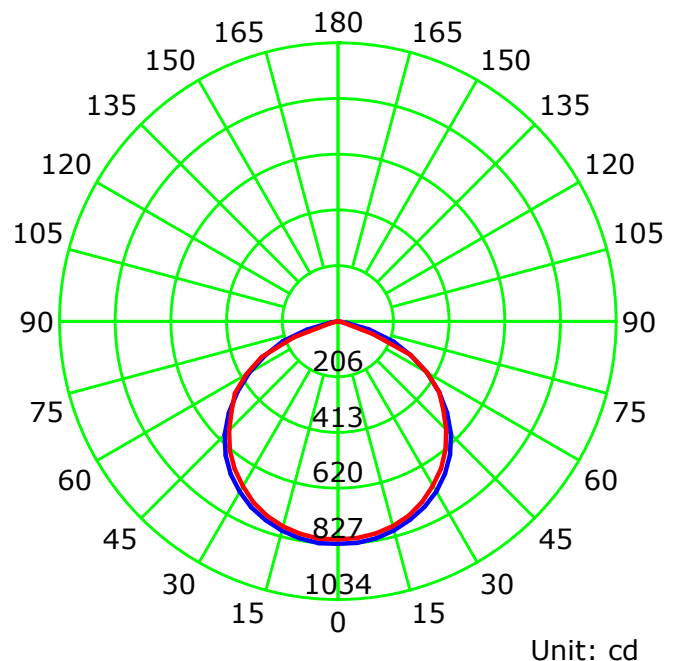
Pos of Max. Intensity: H180 V5

S/MH(C90/C270): 1.29

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

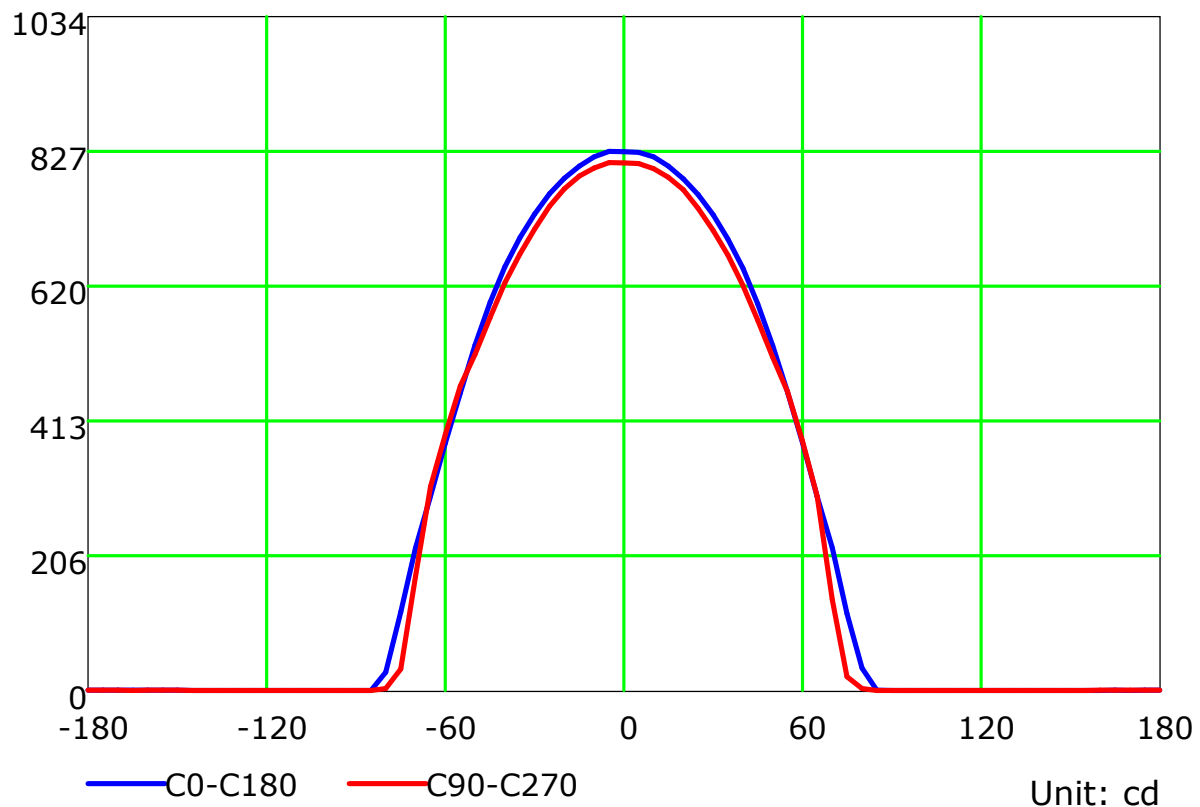
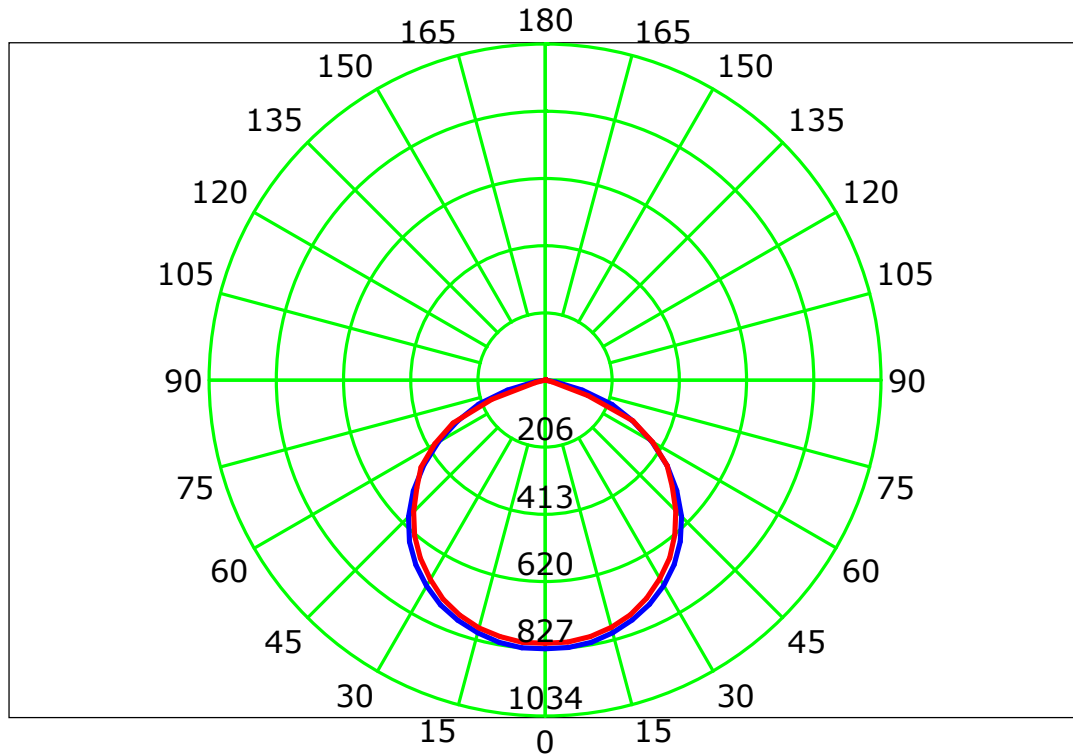
Test Device: LSG-1800B

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

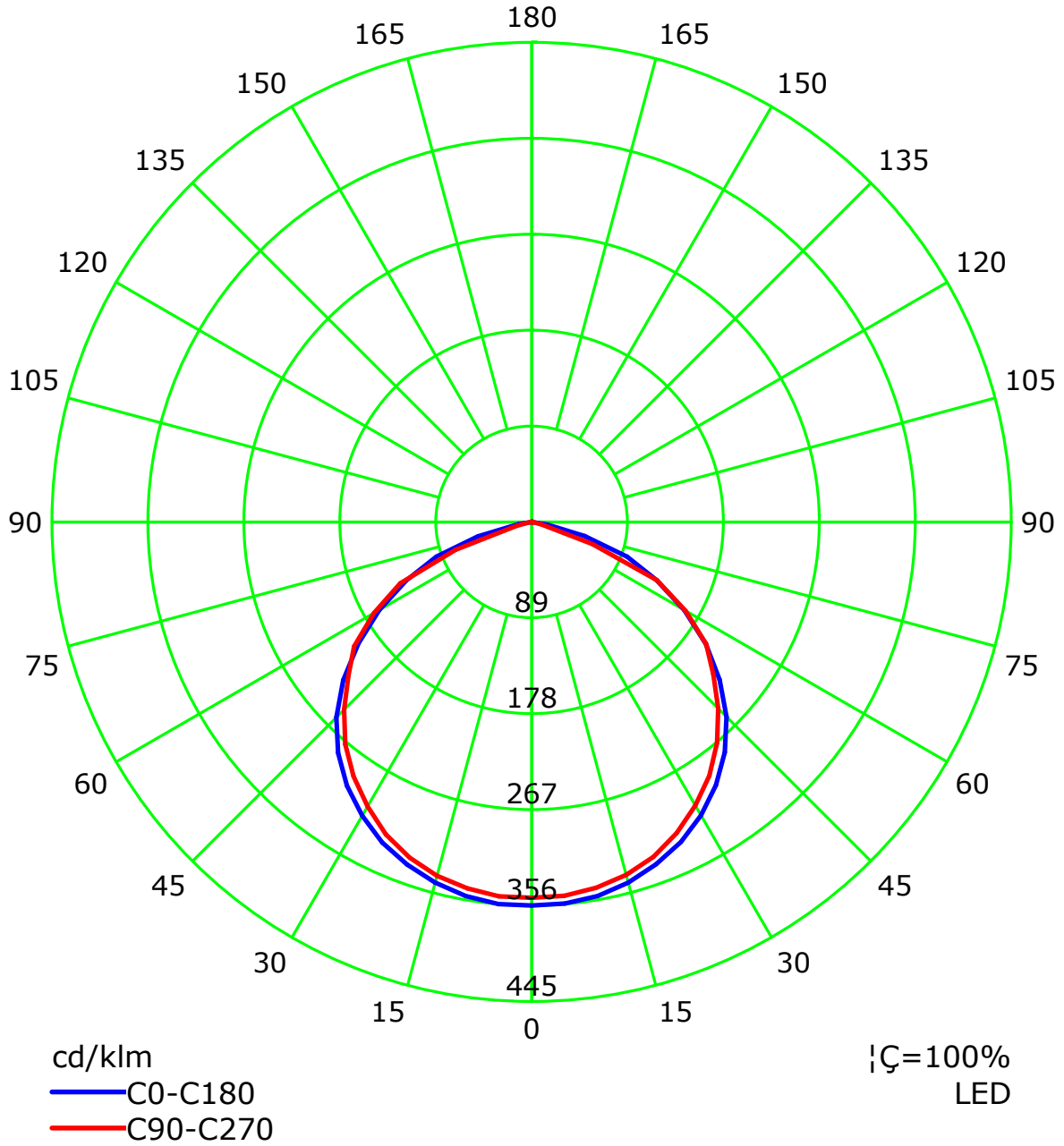
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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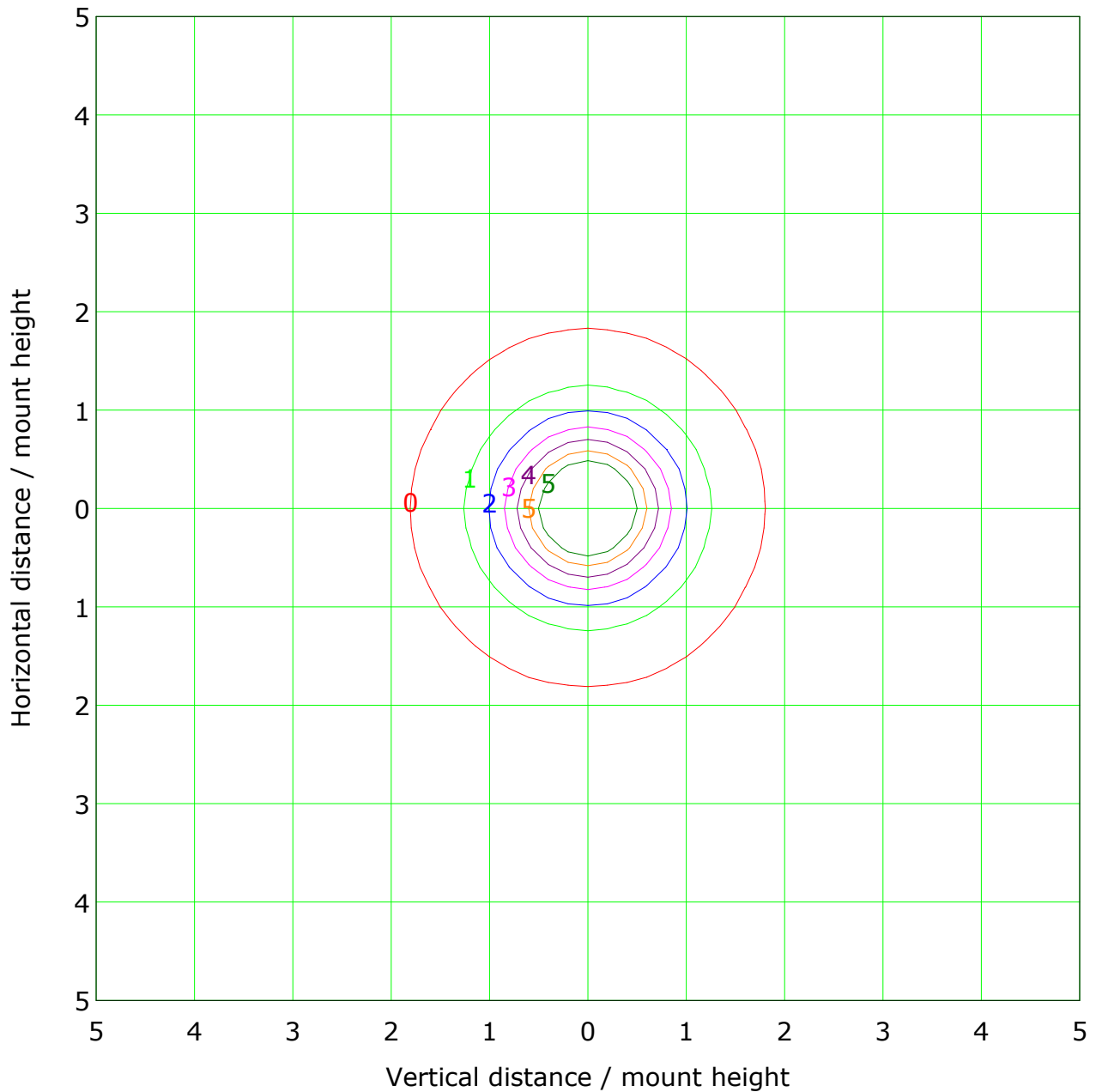
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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	

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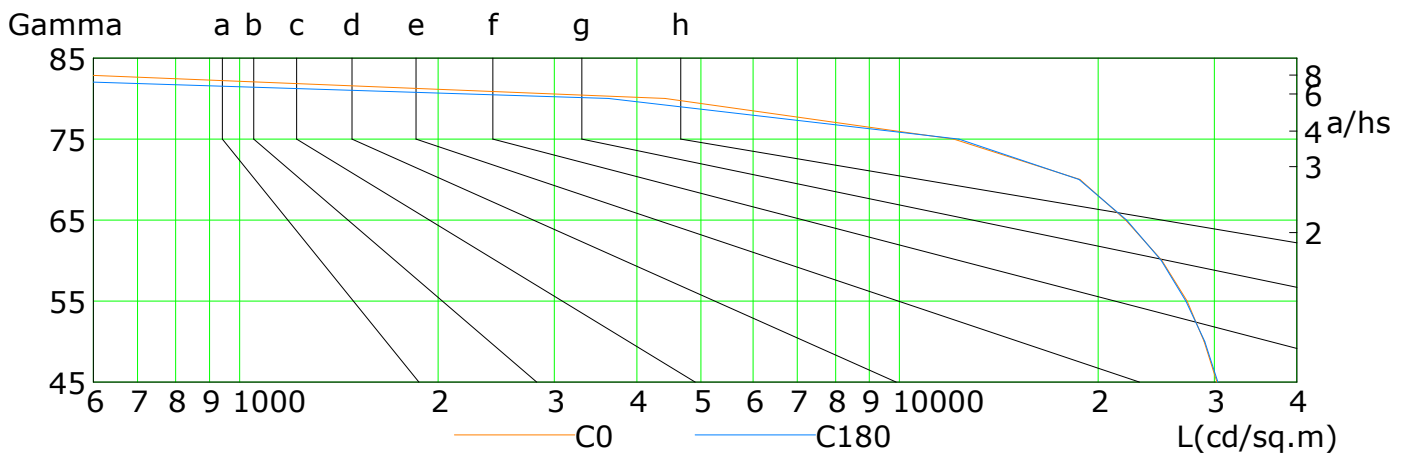
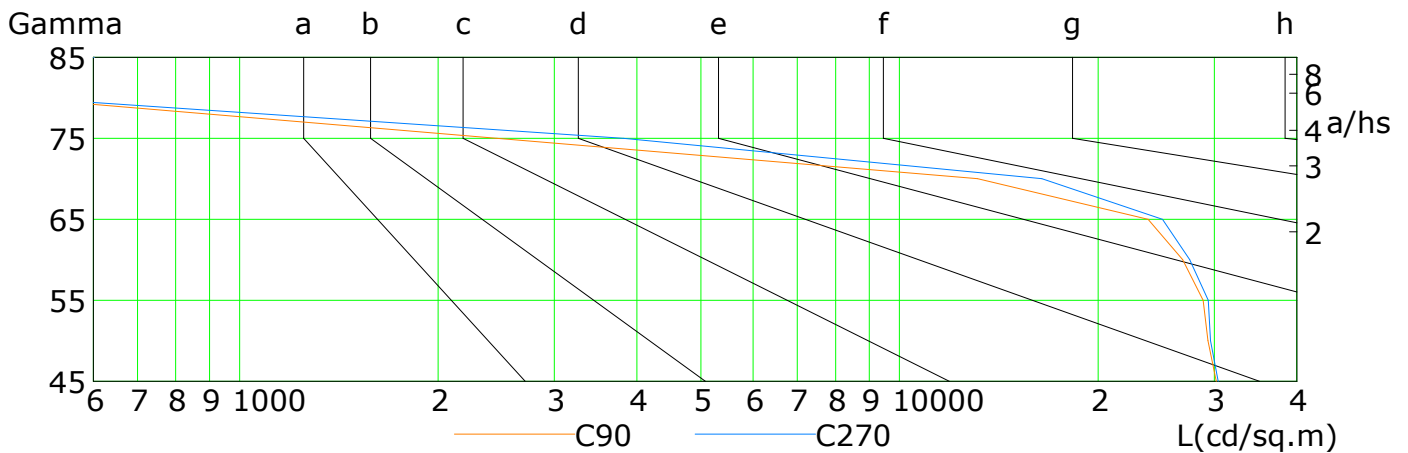
Humidity:

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	30287	28961	27276	24994	22007	18763	12091	4414	137
C90	30189	29331	28863	26847	23820	13127	2457	459	0
C180	30381	29018	27160	24929	22098	18712	12311	3620	45
C270	30412	29587	29385	27544	25043	16425	3819	472	0

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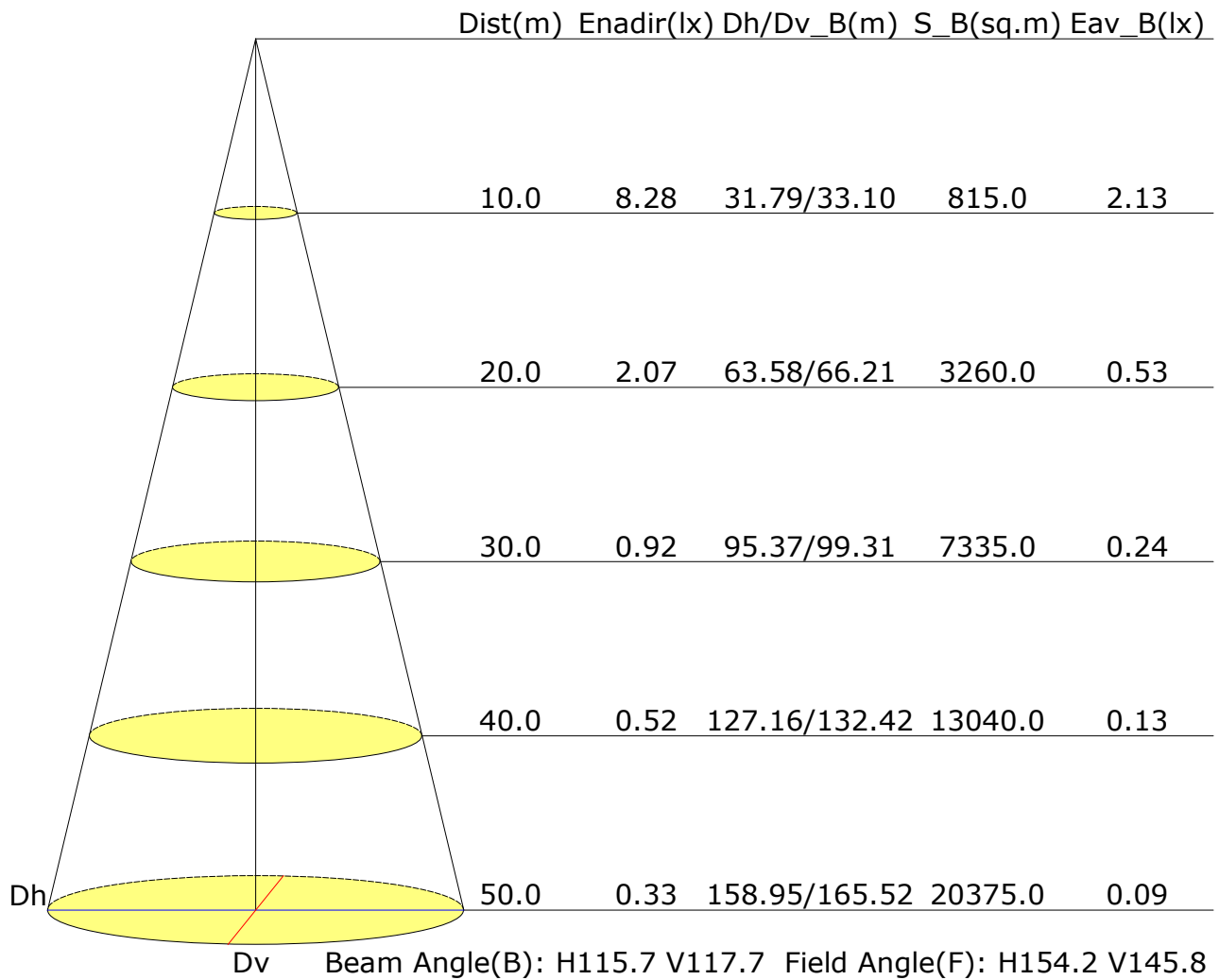
Test Device: LSG-1800B

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: