

Report No.: 1

Test Time: 07.05.2018 12:05

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 595 4x24LED 0,4A 20,5W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Width (mm): 595

Voltage: 231.5 V

Power: 20.78 W

Luminous Length (mm): 595

Luminous Height (mm): 35

Current: 0.091 A

Power Factor: 0.979

Photometric Results

CIE Class: Direct

Measurement Flux: 2823.1 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 162.9, 154.9, 154.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.5, 81.2, 77.9, 77.8

Luminaire Efficacy Rating (LER): 135.91

Max. Intensity: 1401.72 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 2823.1 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 1398.84 cd

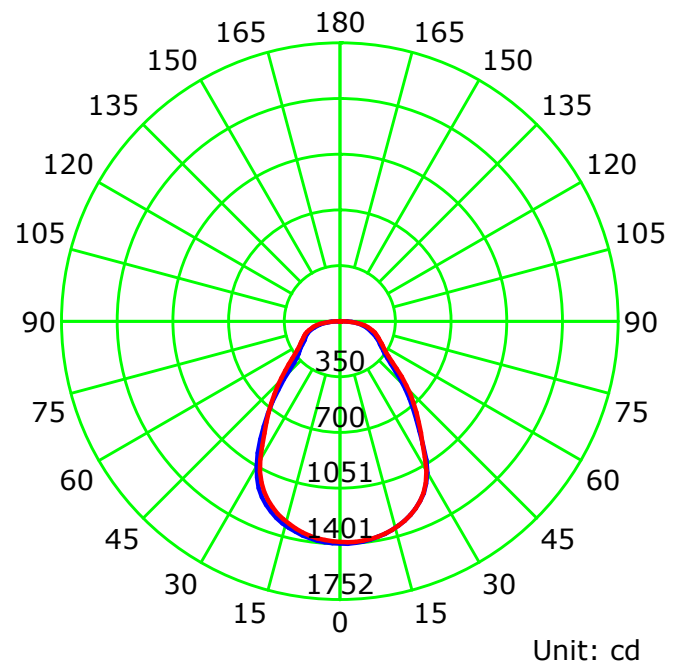
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.14

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 (°):0.0-180.0:2.0

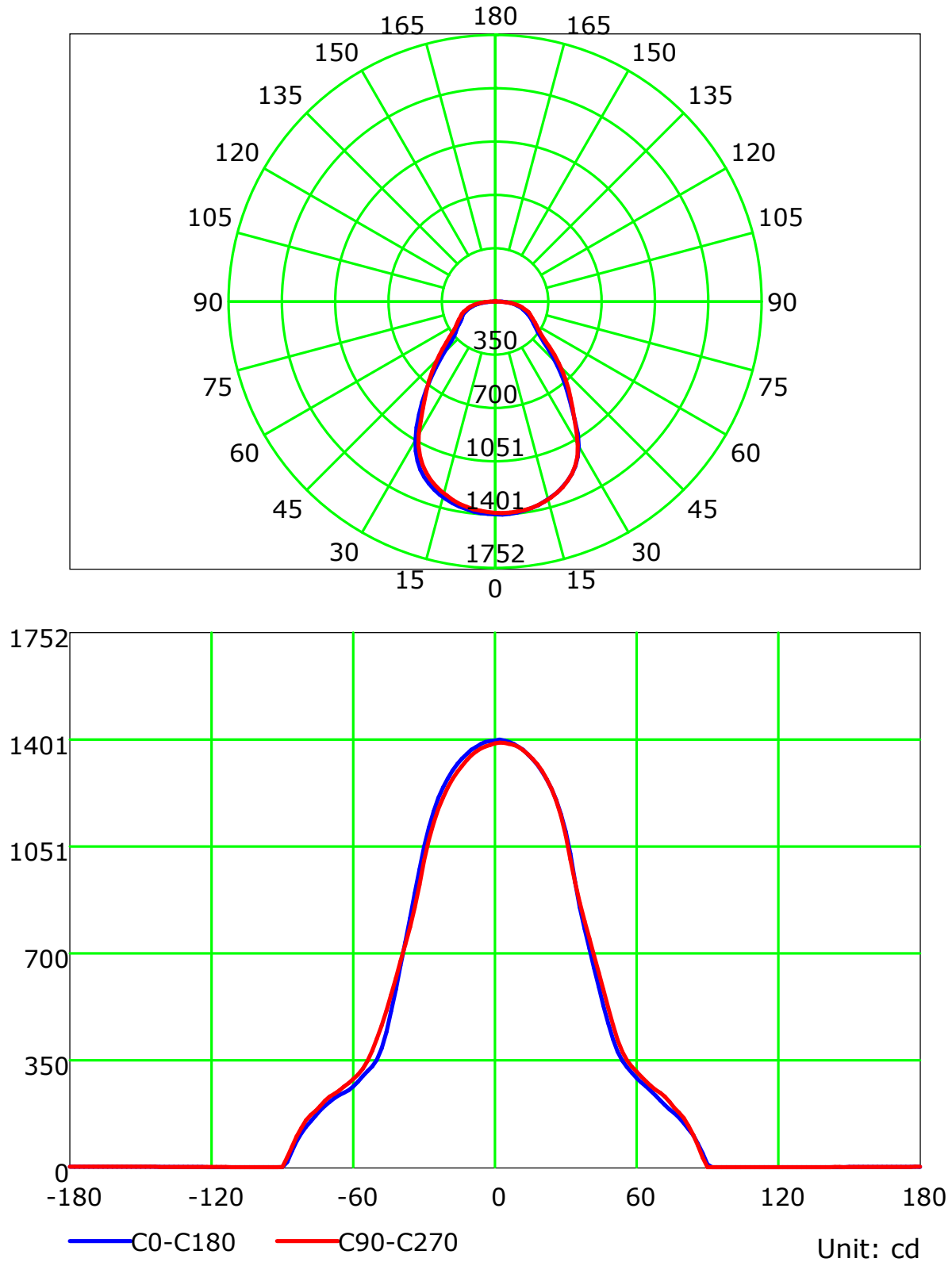
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

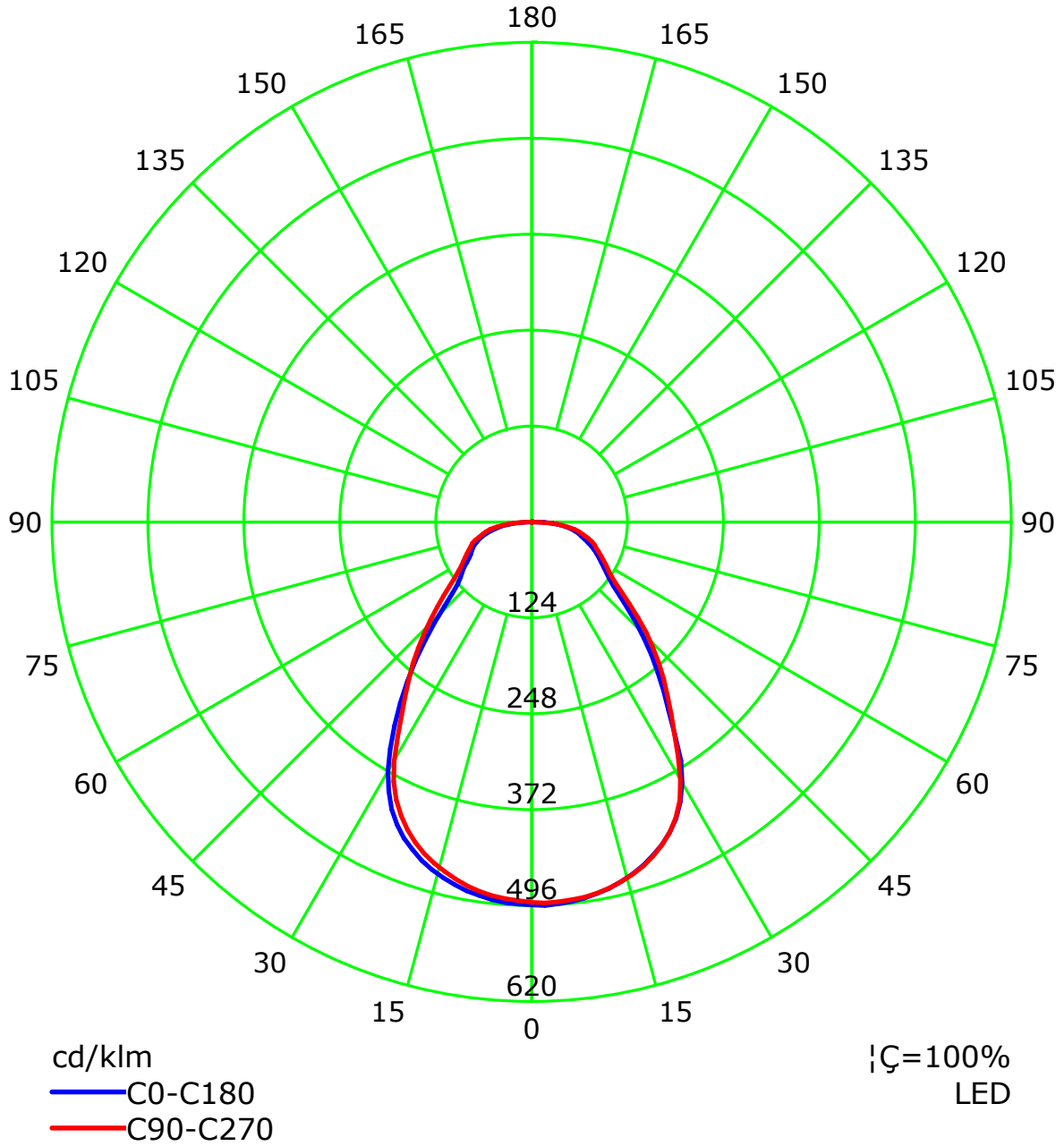
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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Test Lab:

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Temperature:

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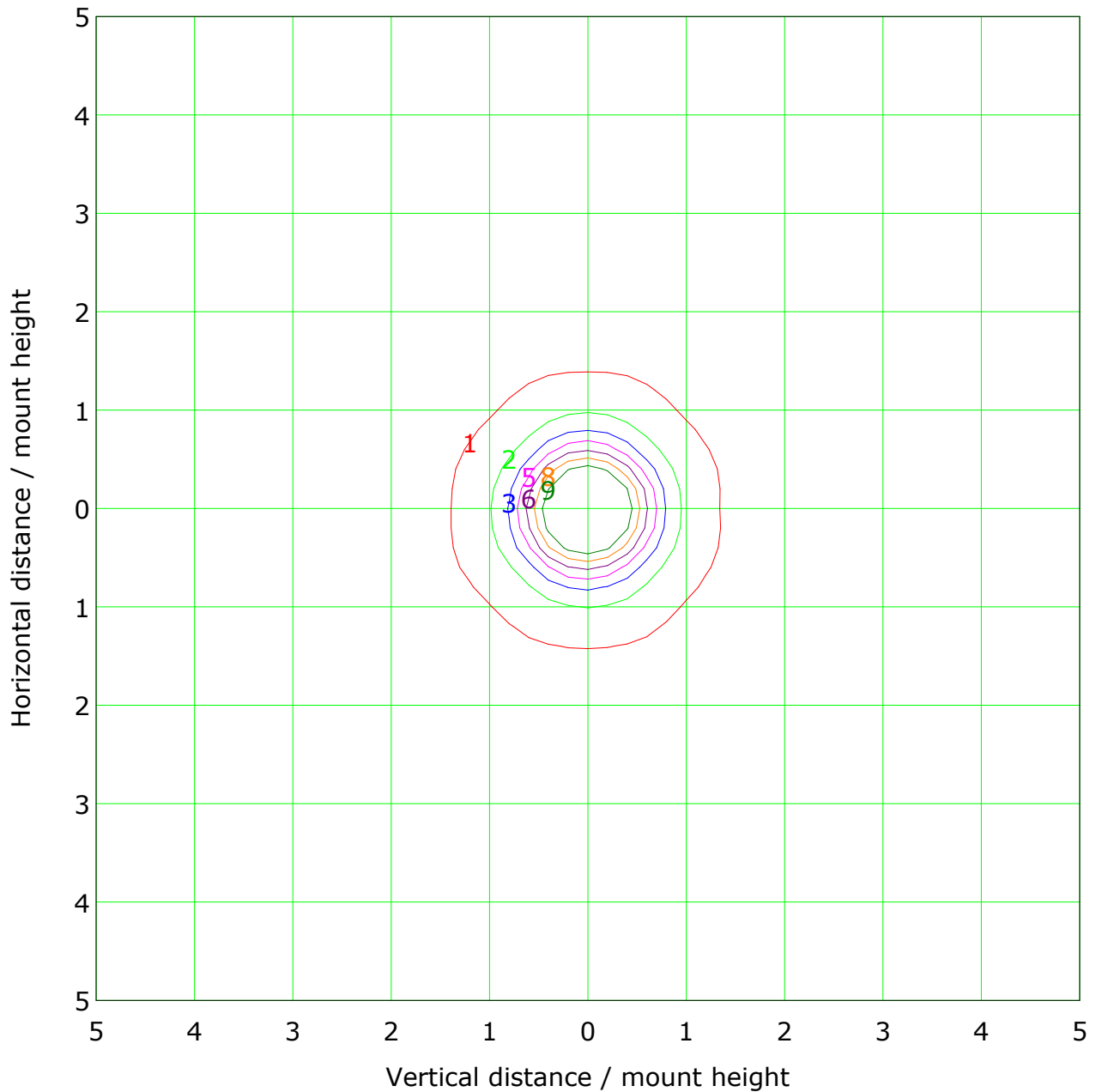
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 14.0 lx

(5%): 0.7 lx	(15%): 2.1 lx
(25%): 3.5 lx	(35%): 4.9 lx
(45%): 6.3 lx	(55%): 7.7 lx
(65%): 9.1 lx	

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Distance: 12.654 m

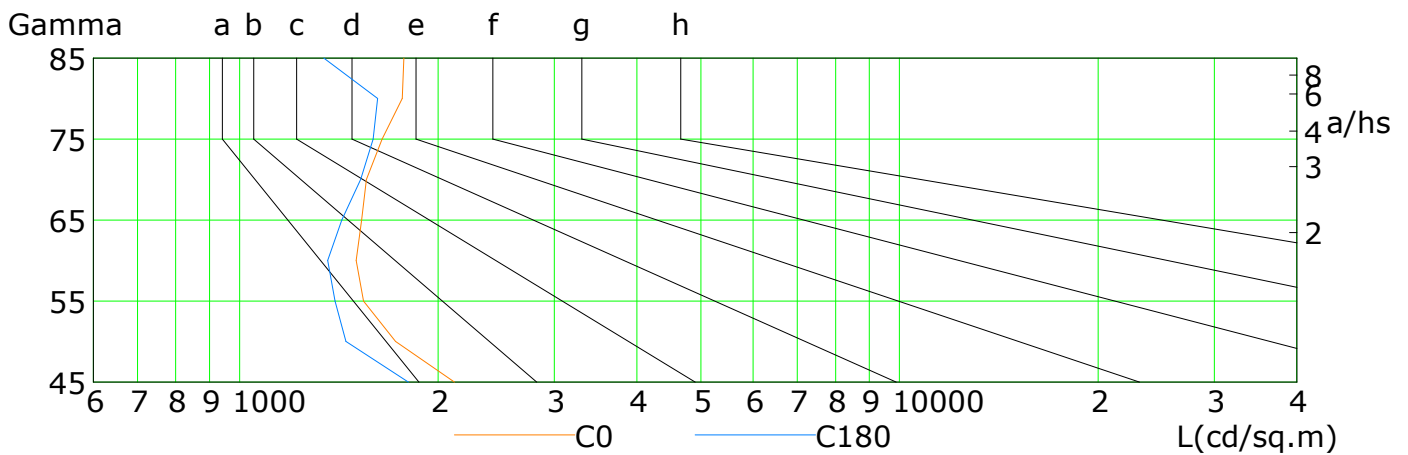
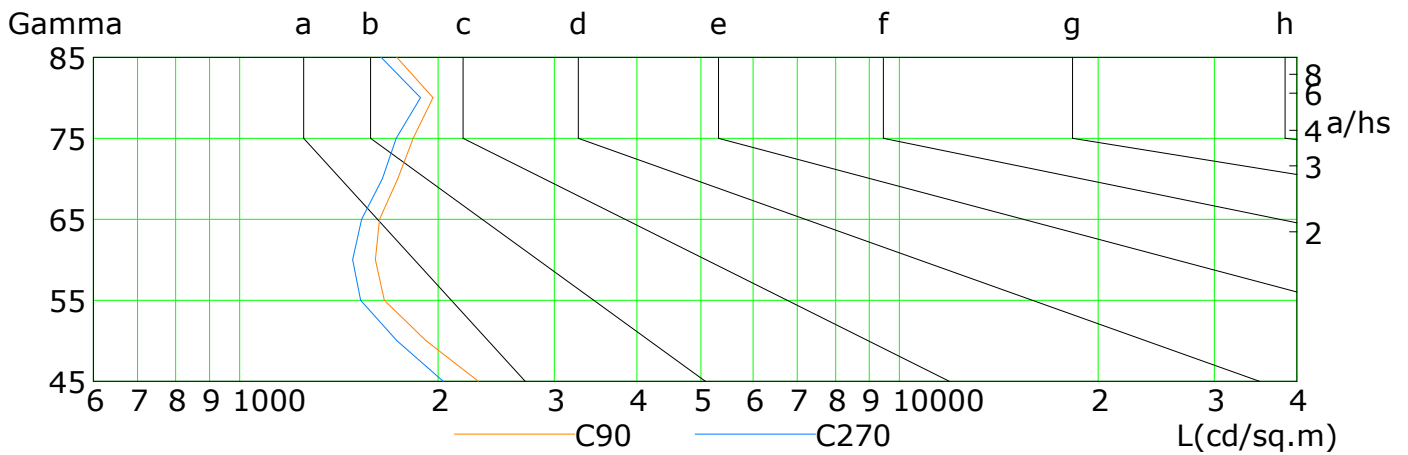
Humidity:

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	2115	1723	1541	1501	1531	1557	1643	1763	1775
C90	2302	1915	1656	1607	1630	1736	1831	1963	1731
C180	1802	1449	1395	1360	1428	1526	1593	1619	1342
C270	2036	1730	1526	1484	1530	1646	1728	1880	1639

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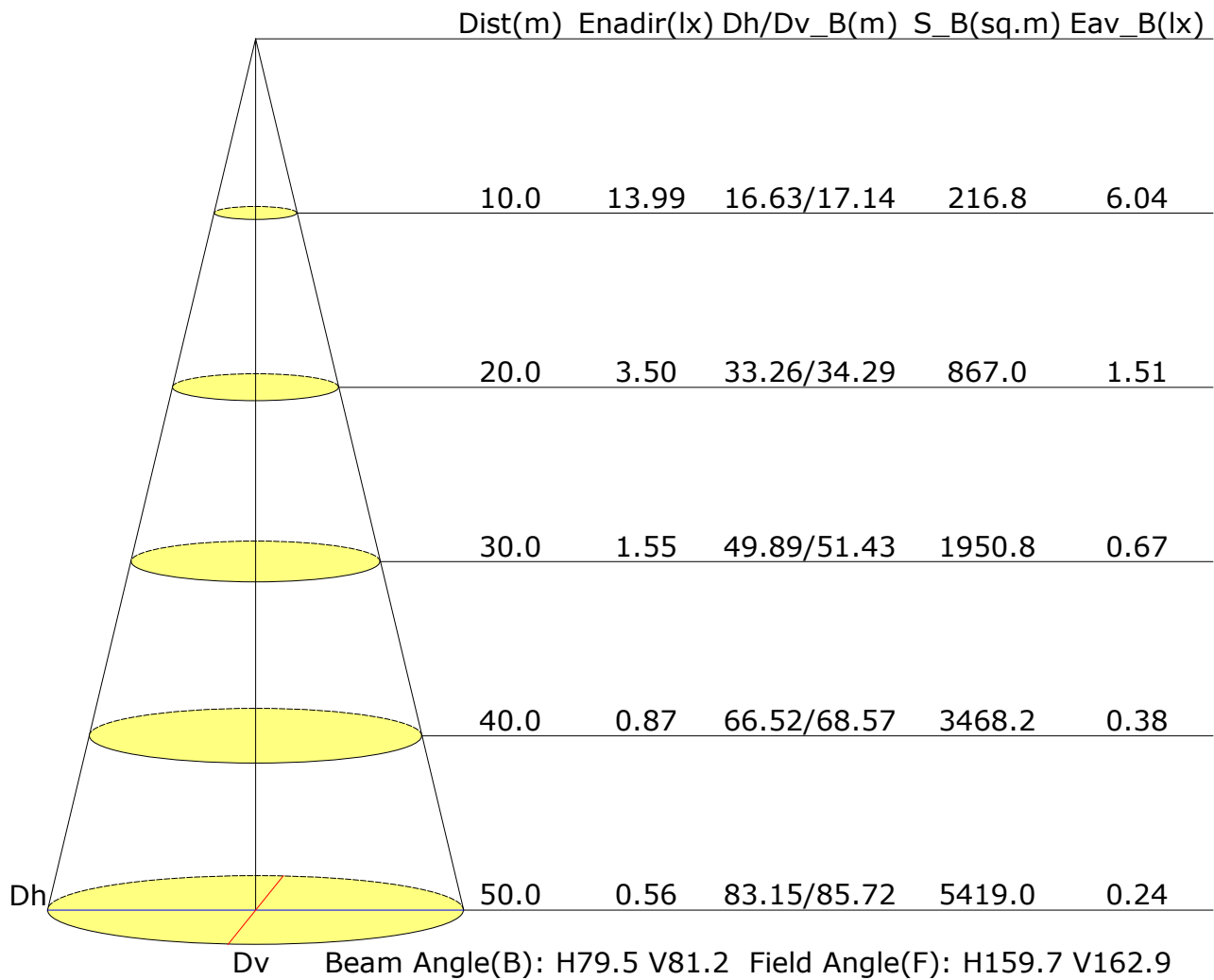
Test Device: LSG-1800B

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 (°):0.0-180.0:2.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: