

Report No.: 1

Test Time: 15.03.2018 14:00

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 360LED 220W 5000K 90 Degrees lense

Lamp Description: LED

Diameter(mm):400

Luminous High (mm): 215

Voltage: 231.2 V

Current: 0.978 A

Power: 221.50 W

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Measurement Flux: 28140.8 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 28140.8 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 130.2, 131.3, 129.1, 130.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 82.0, 81.9, 81.9, 82.5

Luminaire Efficacy Rating (LER): 127.10

Central Intensity: 13209.7 cd

Max. Intensity: 15412.79 cd

Pos of Max. Intensity: H45 V26

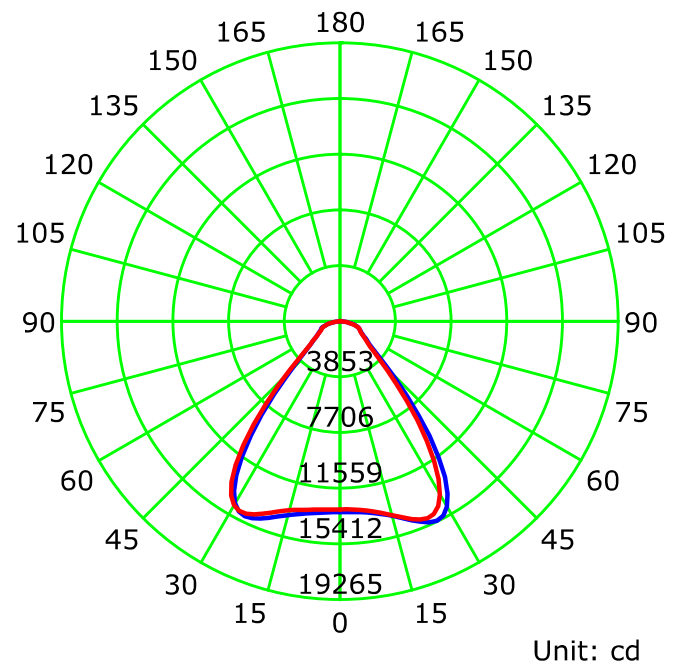
S/MH(C0/C180): 1.41

S/MH(C90/C270): 1.40

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

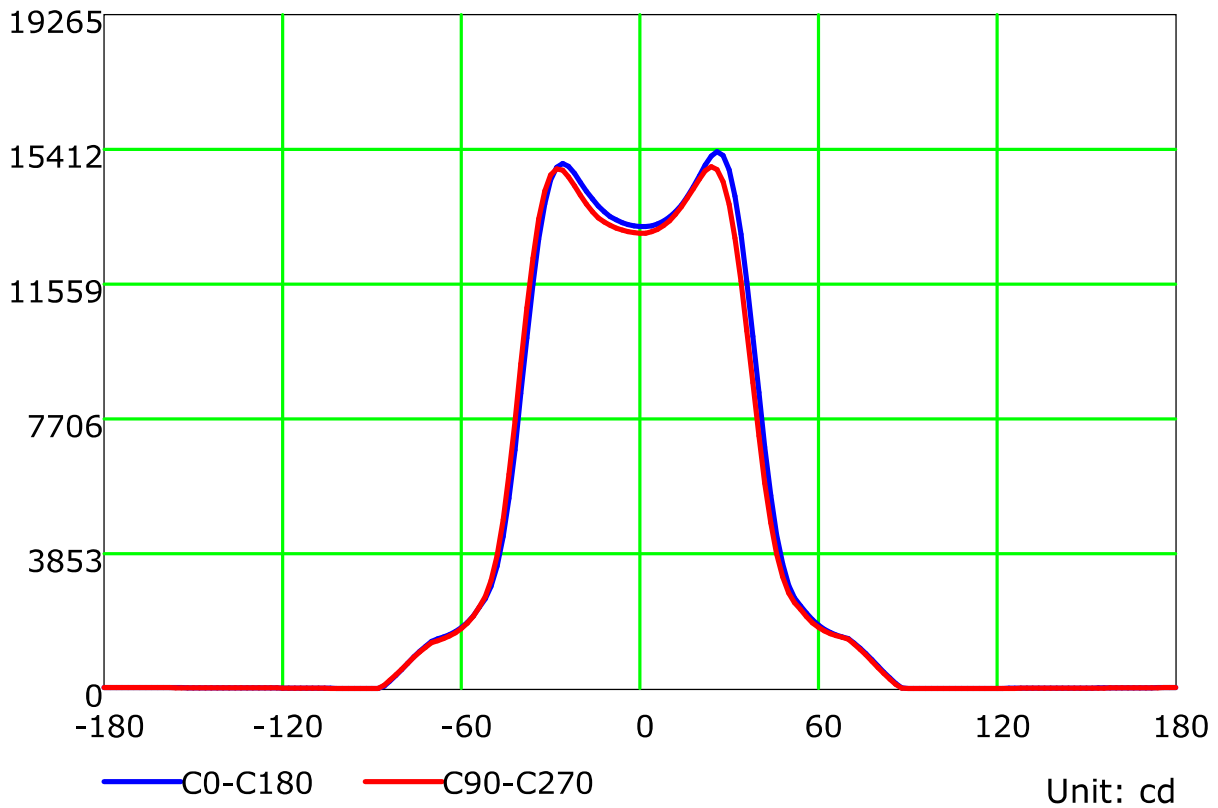
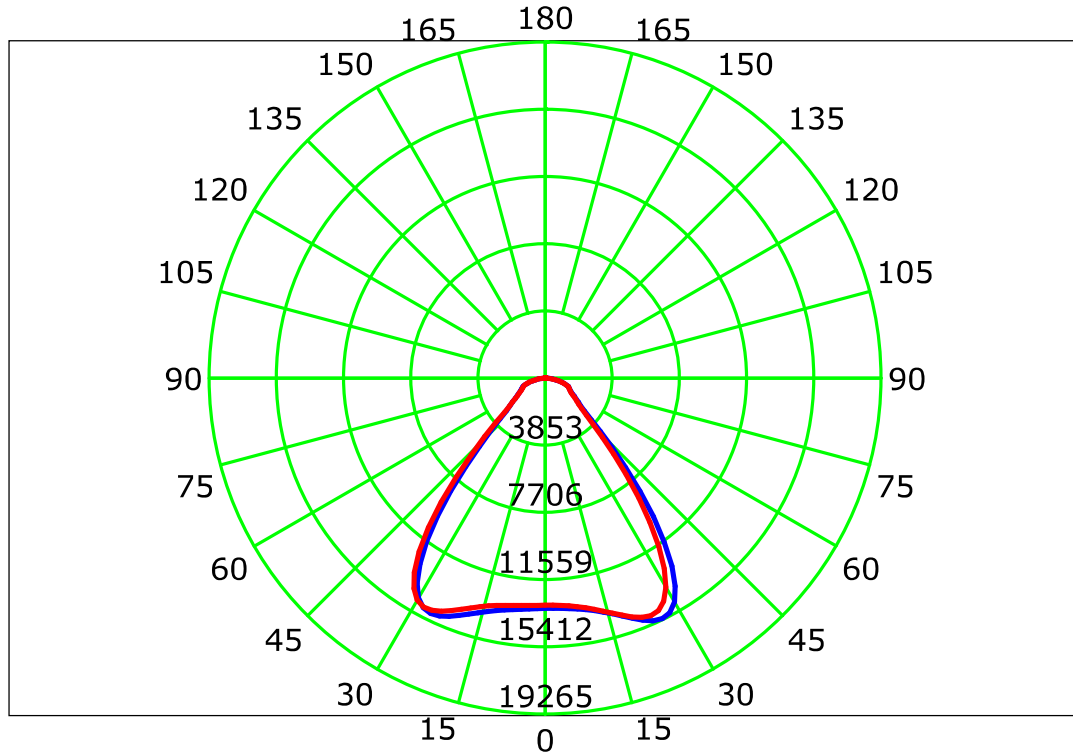
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

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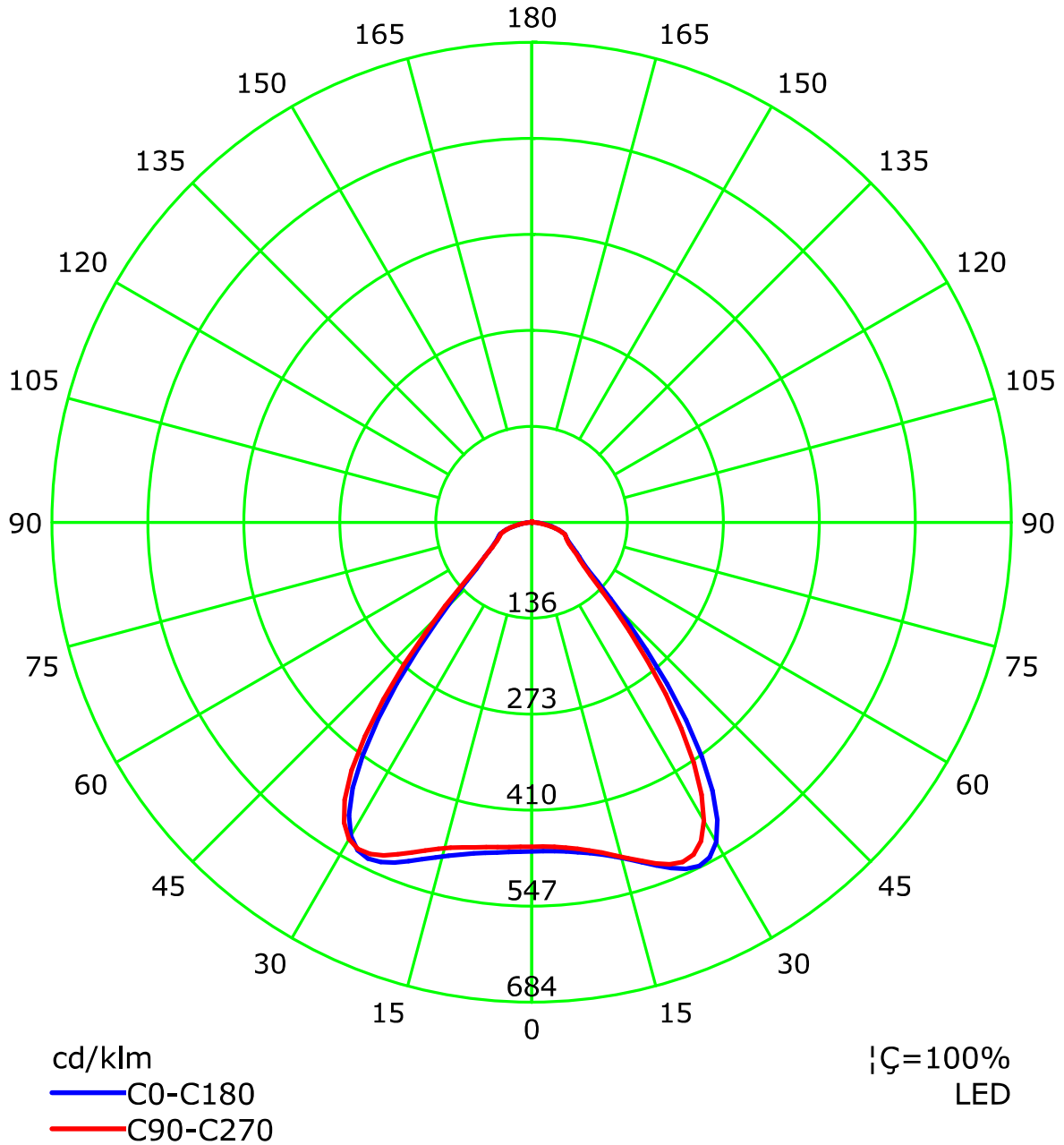
Test Device: LSG-1800B

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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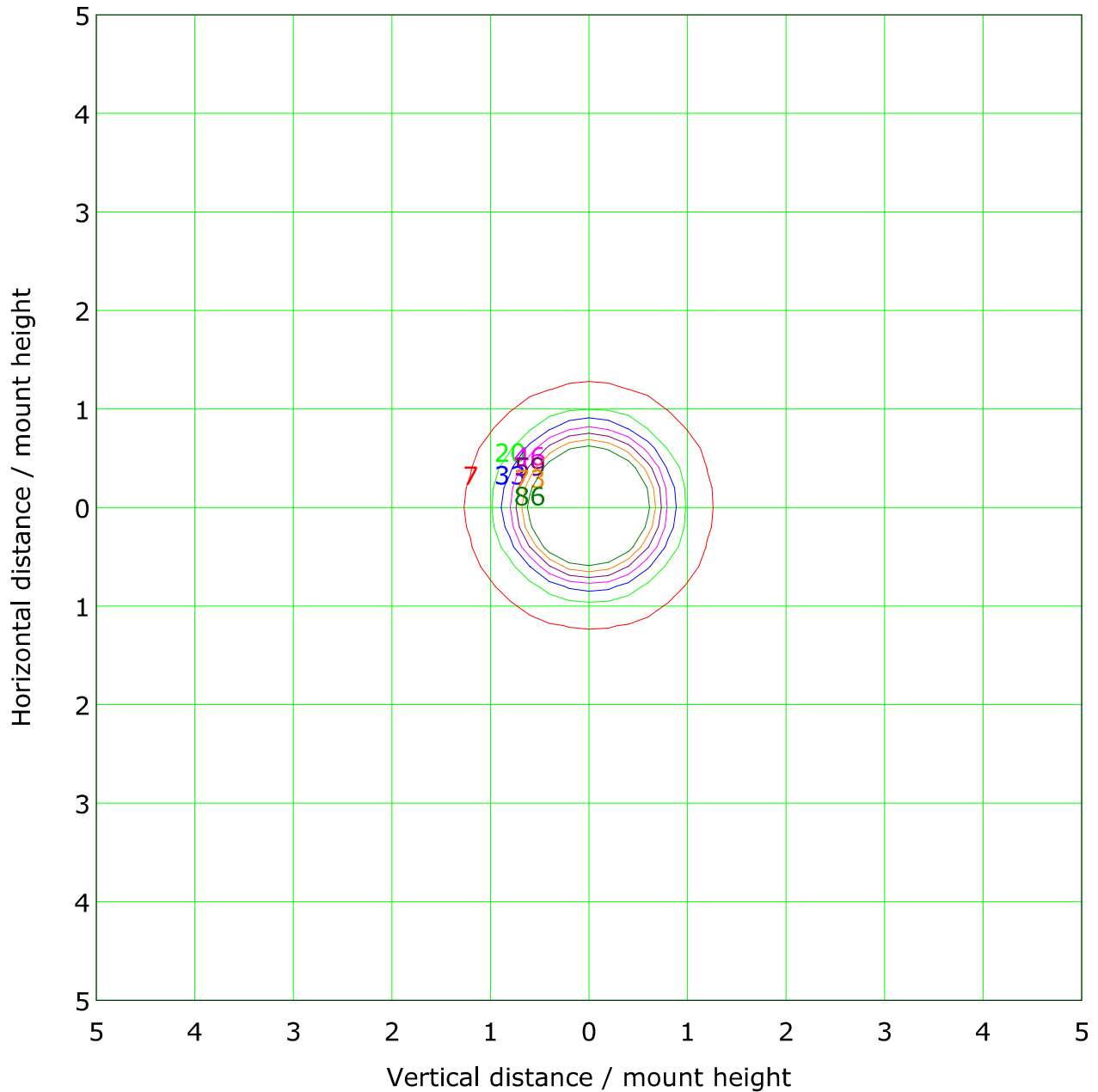
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 132.1 lx

(5%): 6.6 lx	(15%): 19.8 lx
(25%): 33.0 lx	(35%): 46.2 lx
(45%): 59.4 lx	(55%): 72.7 lx
(65%): 85.9 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

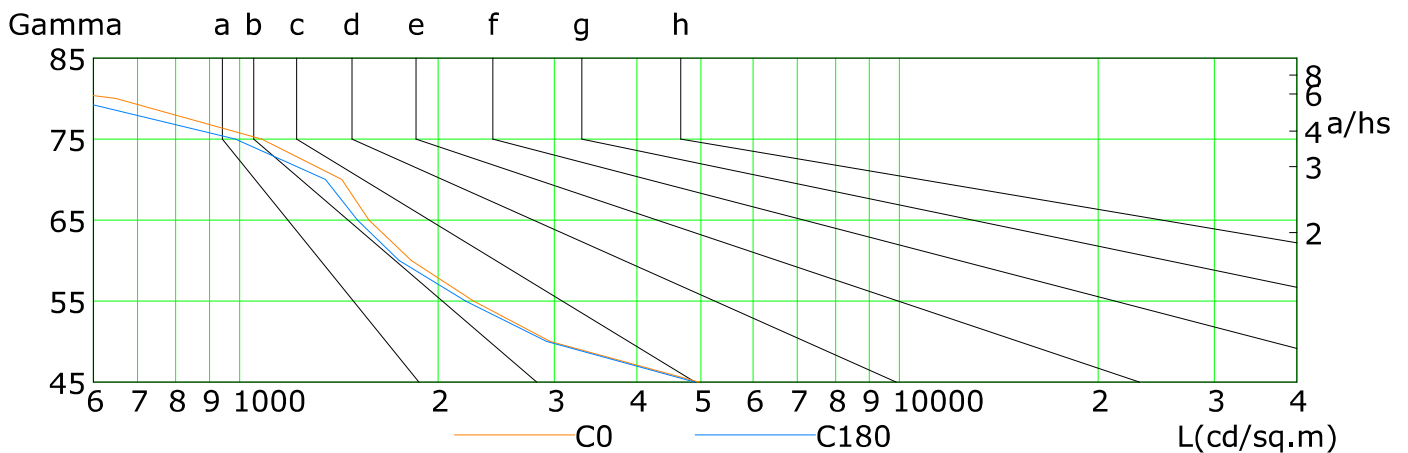
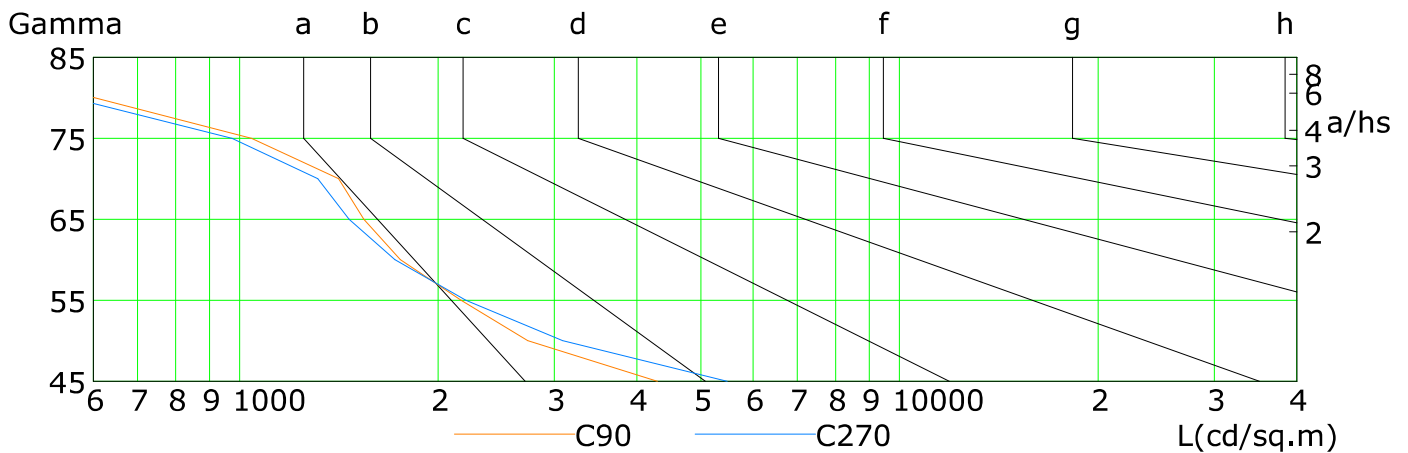
Humidity:

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	4969	2954	2264	1820	1571	1428	1080	649	231
C90	4296	2733	2167	1753	1543	1412	1042	603	197
C180	4895	2921	2201	1745	1509	1349	986	547	143
C270	5479	3088	2204	1720	1465	1314	973	557	168

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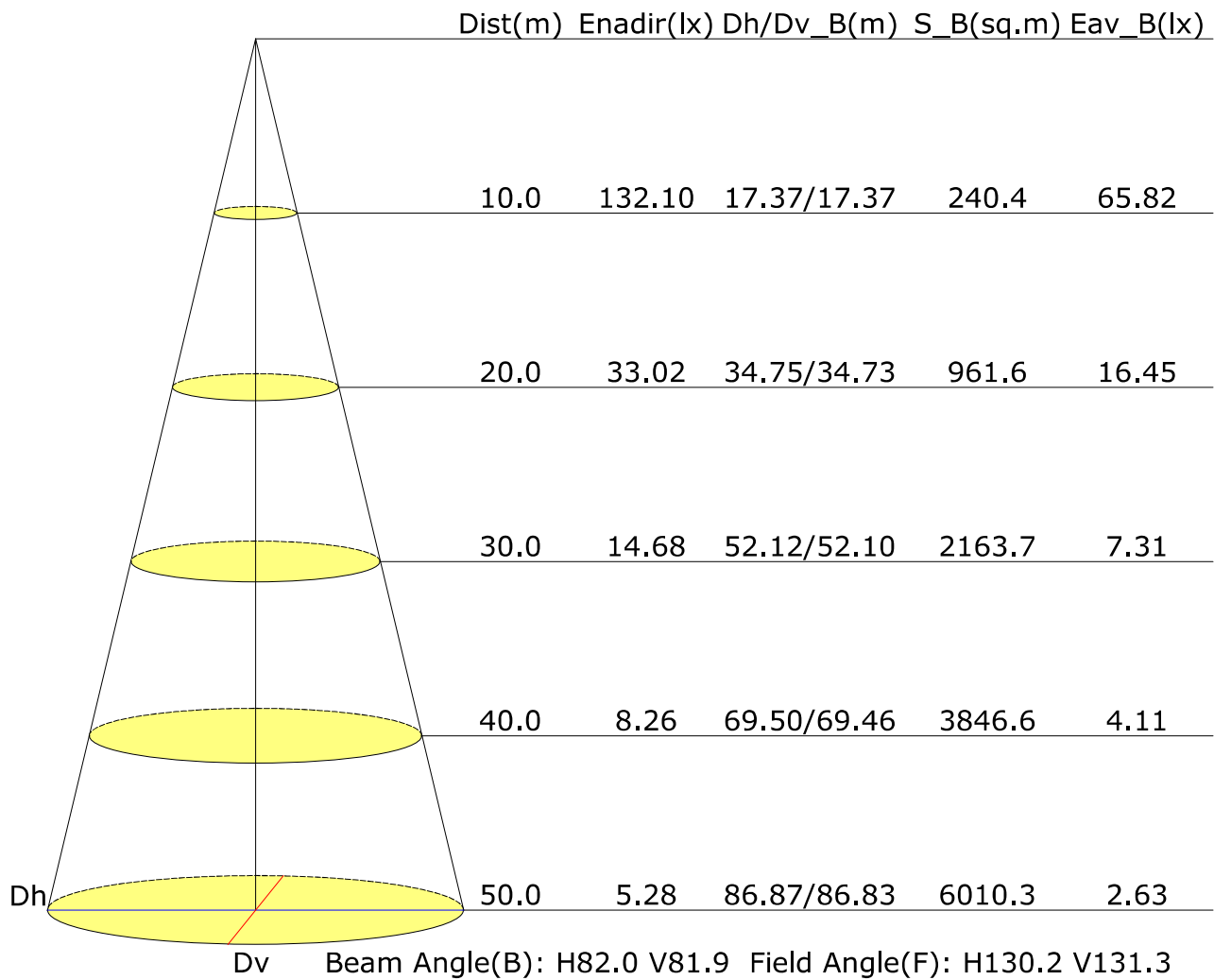
Test Device: LSG-1800B

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: