

Report No.: 1

Test Time: 21.03.2019 10:20

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FD 111 226W Extreme

Lamp Description: LED

Luminous Width (mm): 400

Voltage: 221.2 V

Power: 225.98 W

Luminous Length (mm): 400

Luminous Height (mm): 153

Current: 1.041 A

Power Factor: 0.980

Photometric Results

CIE Class: Direct

Measurement Flux: 33088.3 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.6, 156.4, 156.6, 156.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.9, 115.8, 115.9, 116.3

Luminaire Efficacy Rating (LER): 146.47

Max. Intensity: 11341.52 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 33088.3 lm

Efficiency: 100%

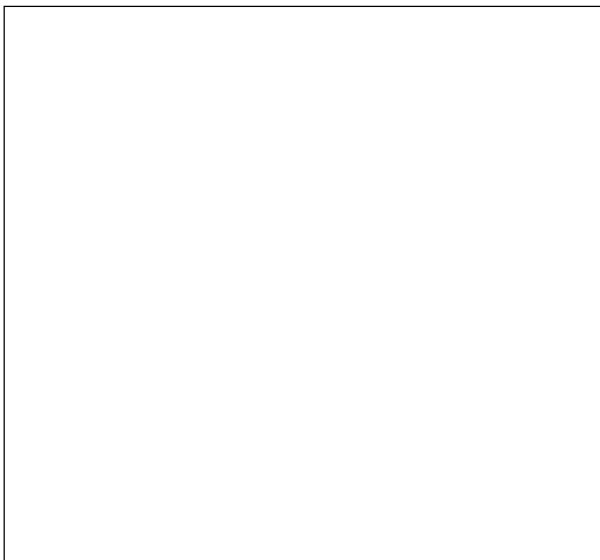
Upward Ratio: 1%

Central Intensity: 11340.06 cd

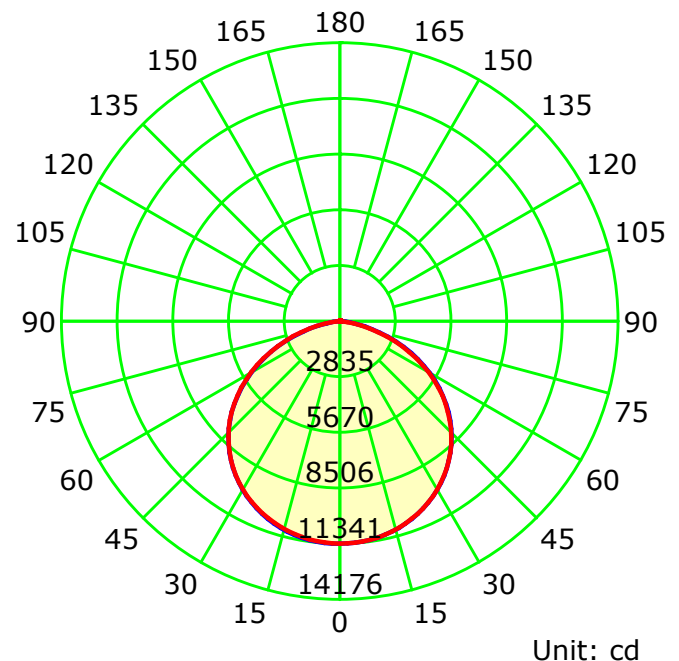
Pos of Max. Intensity: H180 V2

S/MH(C90/C270): 1.30

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

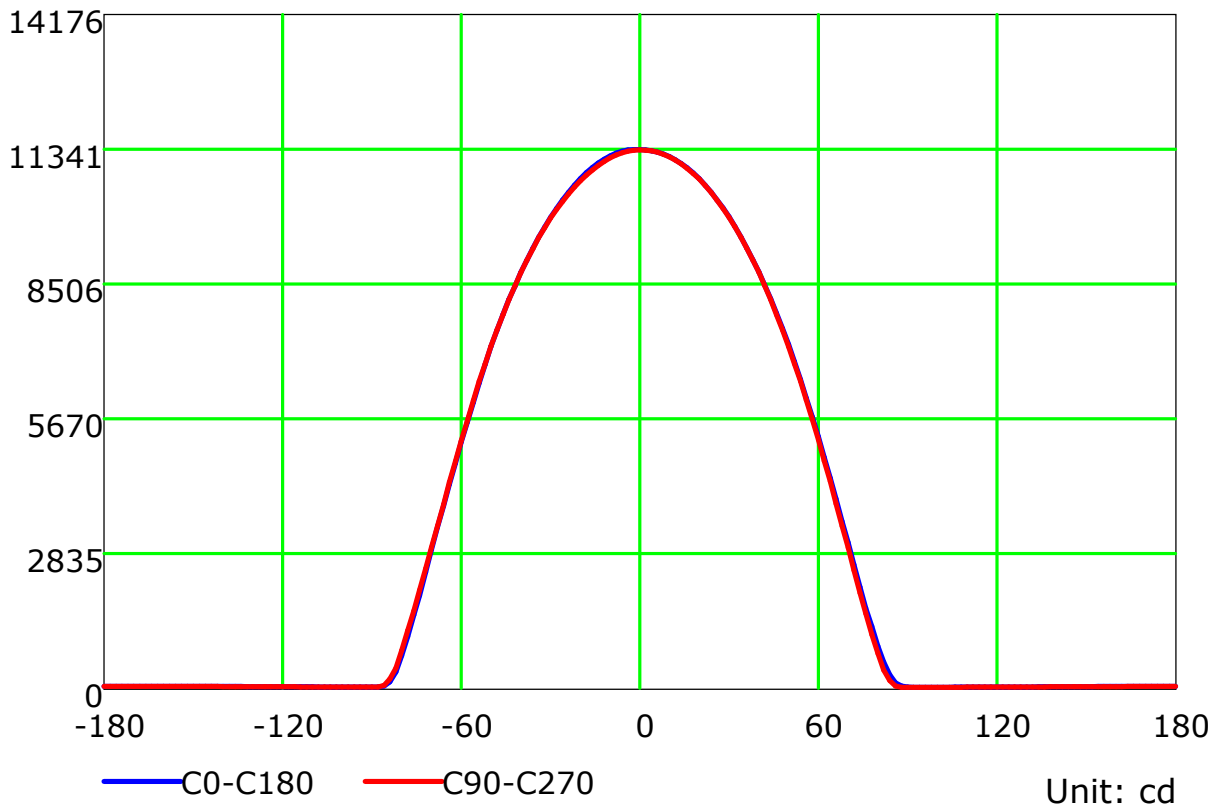
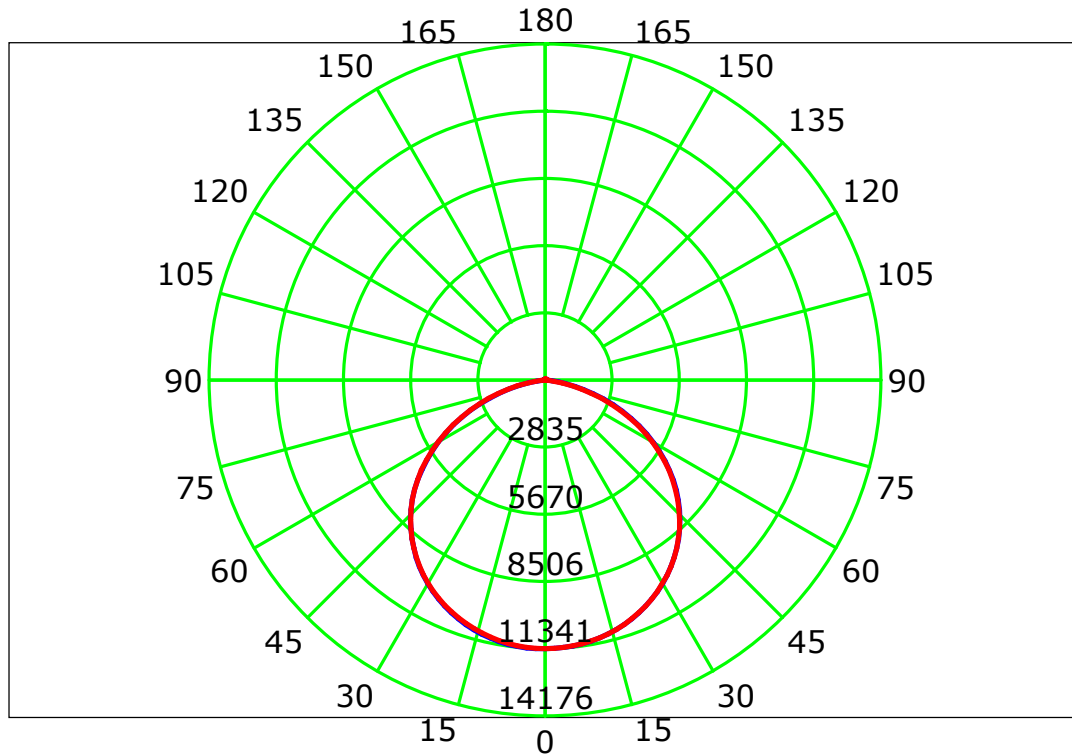
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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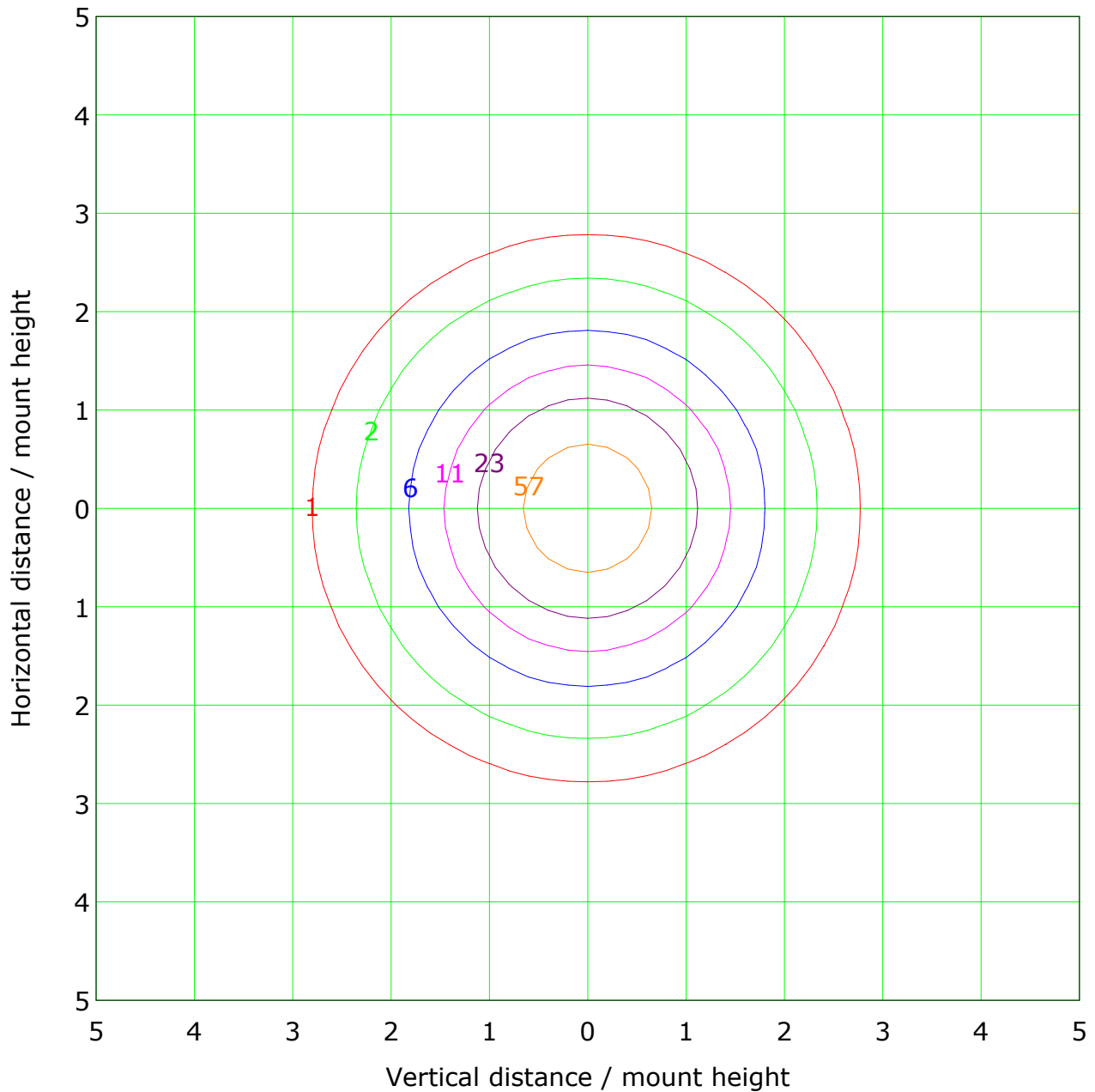
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 113.4 lx

(1%): 1.1 lx	(2%): 2.3 lx
(5%): 5.7 lx	(10%): 11.3 lx
(20%): 22.7 lx	(50%): 56.7 lx
(100%): 113.4 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

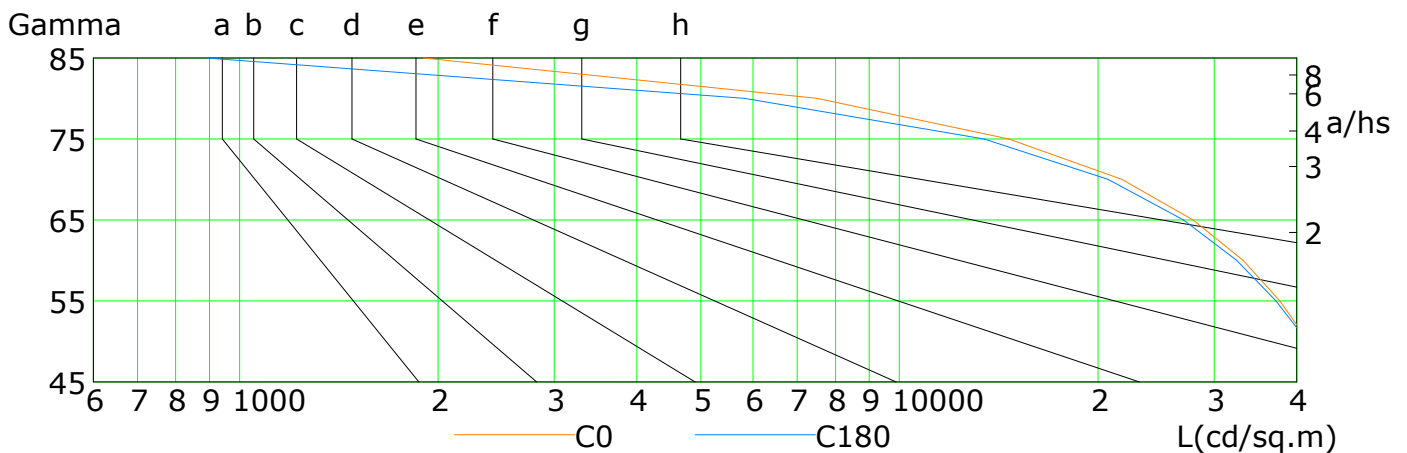
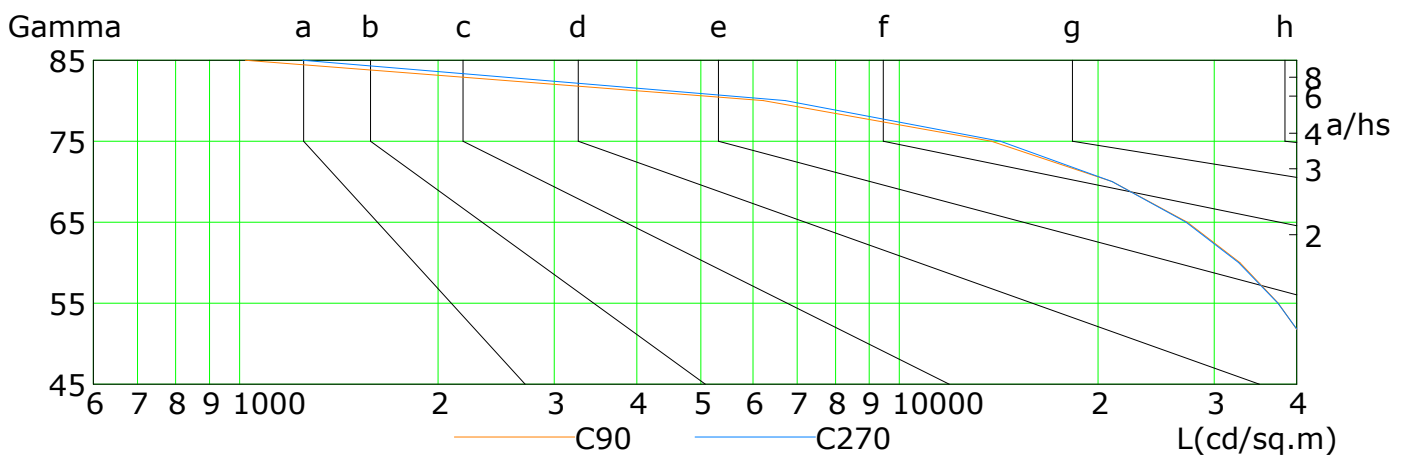
Humidity:

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	45158	41733	37739	33187	27855	21731	14649	7499	1899
C90	45011	41477	37510	32804	27322	21021	13785	6220	1020
C180	45062	41538	37207	32447	26949	20704	13444	5822	891
C270	45034	41541	37461	32643	27179	21000	14230	6719	1246

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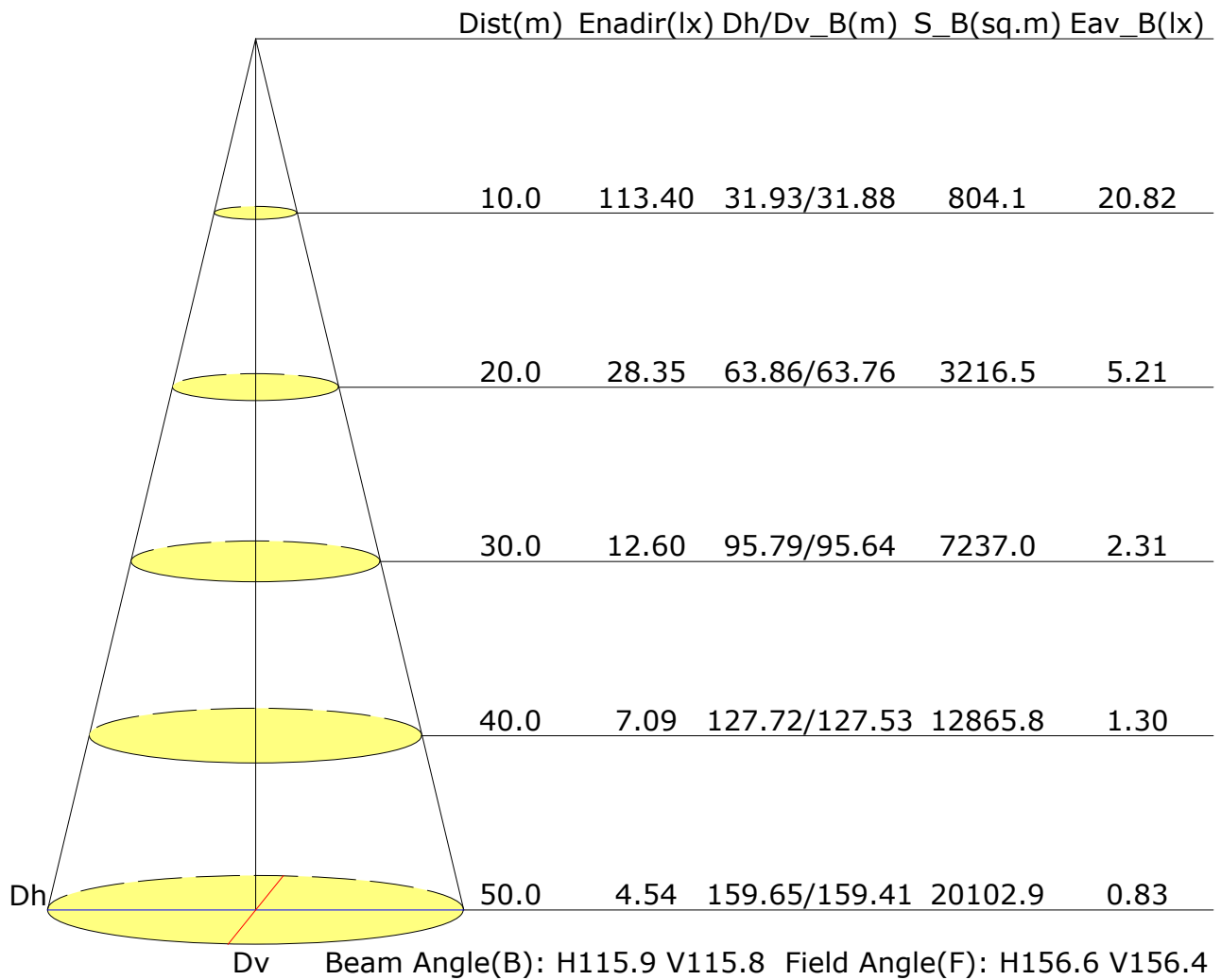
Test Device: LSG-1800B

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: