

Report No.: 2

Test Time: 14.03.2018 15:03

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FD 111 245LED 160W 5000K 90 Degrees lense

Lamp Description: LED

Diameter (mm): 325

Luminous Width (mm): 215

Voltage: 231.5 V

Current: 0.708 A

Power: 159.50 W

Power Factor: 0.972

Photometric Results

CIE Class: Direct

Measurement Flux: 19222.7 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 19222.7 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 136.5, 136.8, 128.7, 127.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 84.4, 84.5, 84.8, 83.9

Luminaire Efficacy Rating (LER): 120.57

Central Intensity: 8081.3 cd

Max. Intensity: 10060.3 cd

Pos of Max. Intensity: H157.5 V28

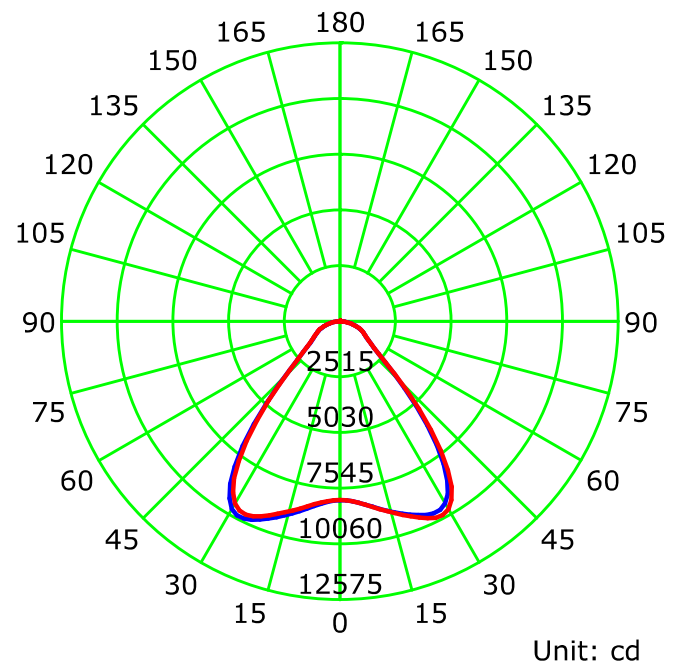
S/MH(C0/C180): 1.48

S/MH(C90/C270): 1.48

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

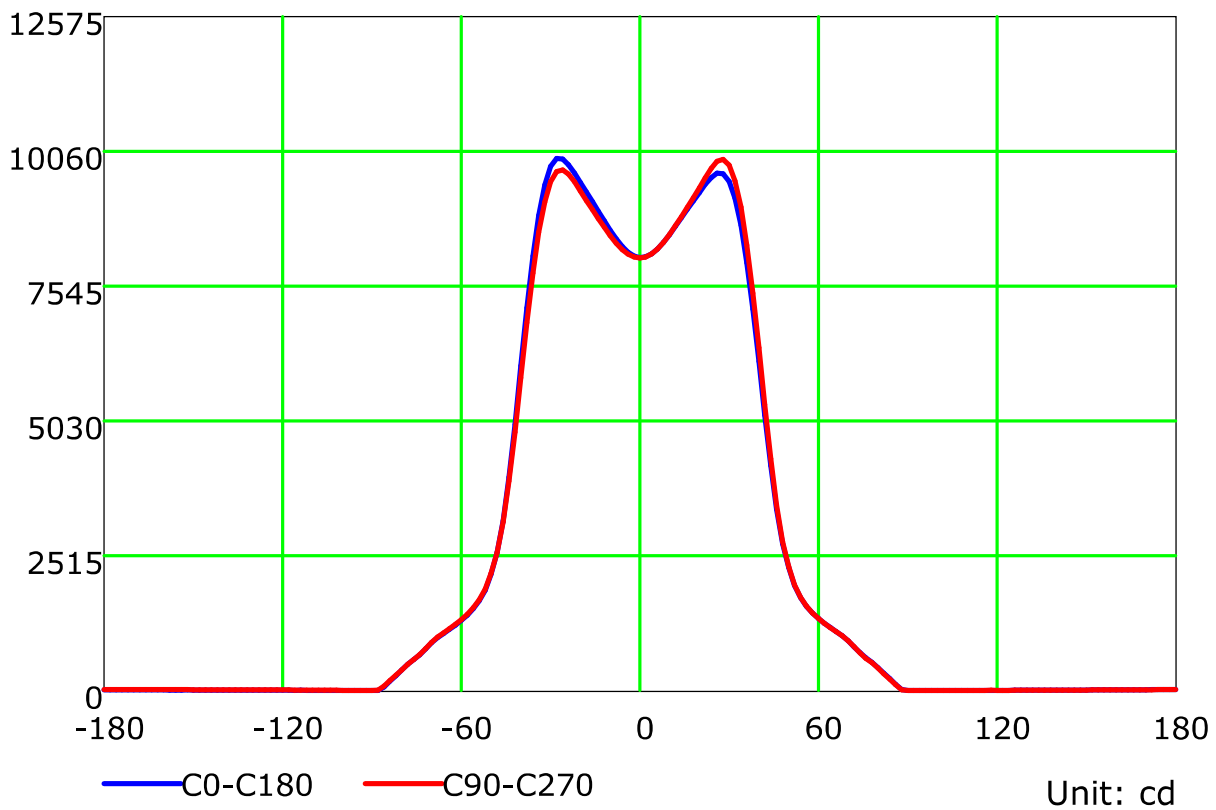
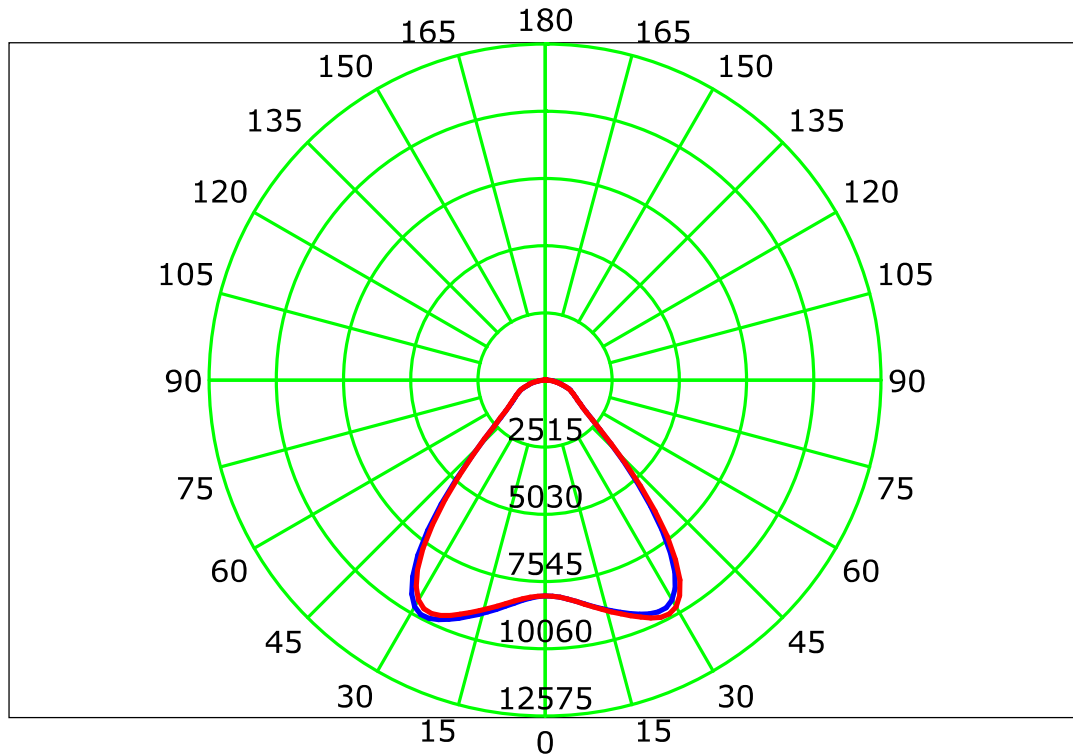
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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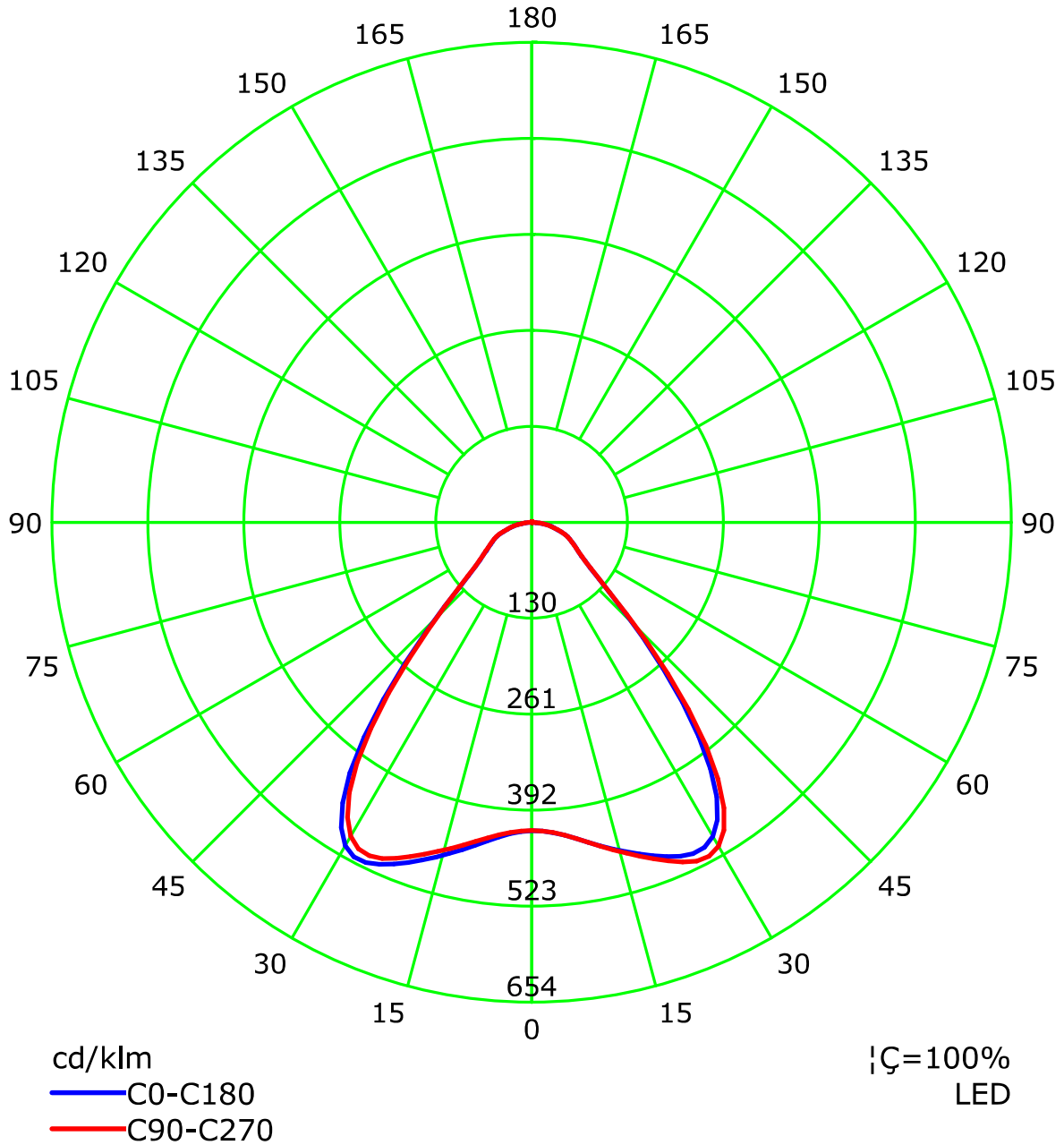
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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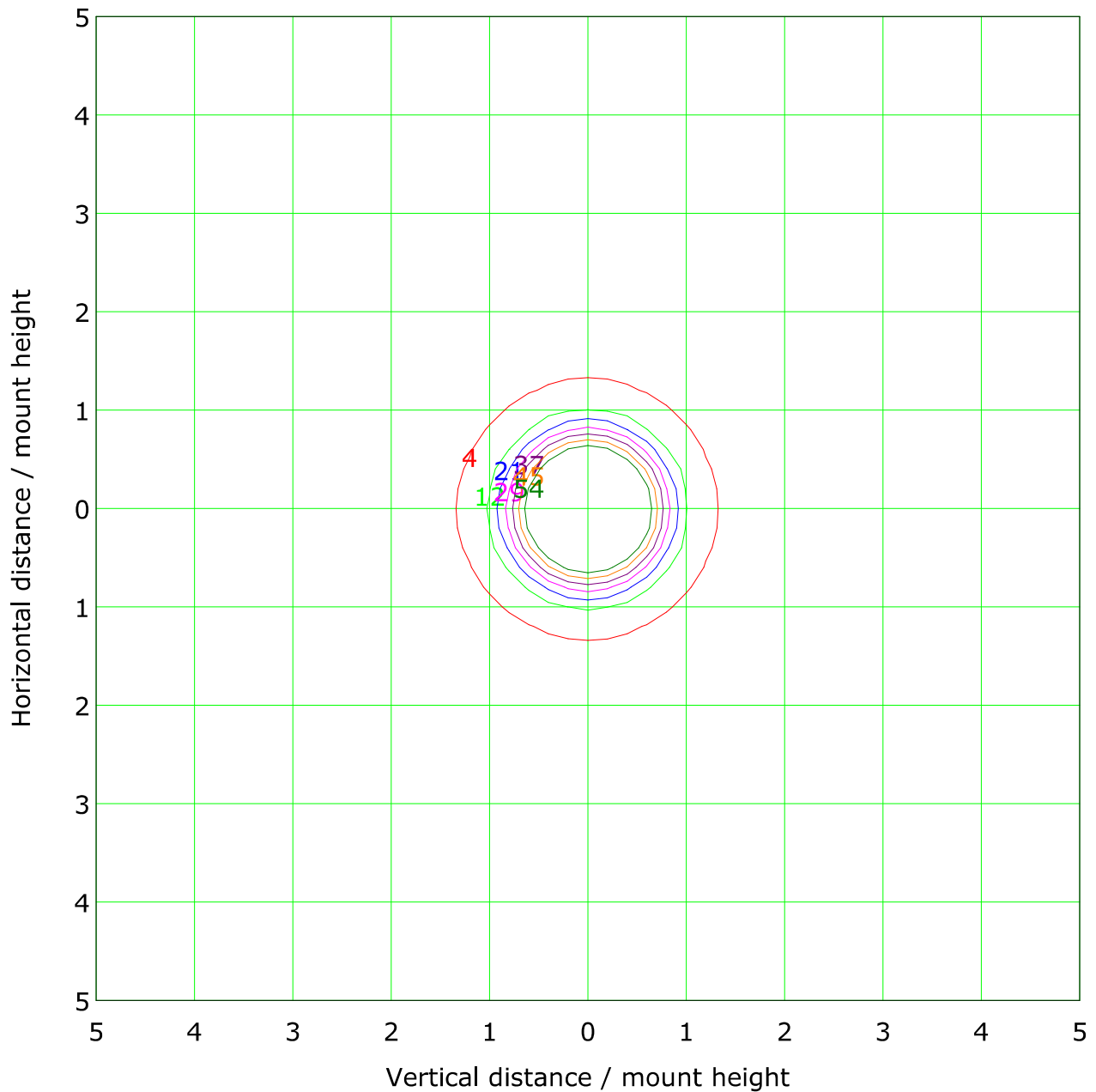
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 82.4 lx	
(5%): 4.1 lx	(15%): 12.4 lx
(25%): 20.6 lx	(35%): 28.8 lx
(45%): 37.1 lx	(55%): 45.3 lx
(65%): 53.6 lx	

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Test Device: LSG-1800B

Distance: 12.654 m

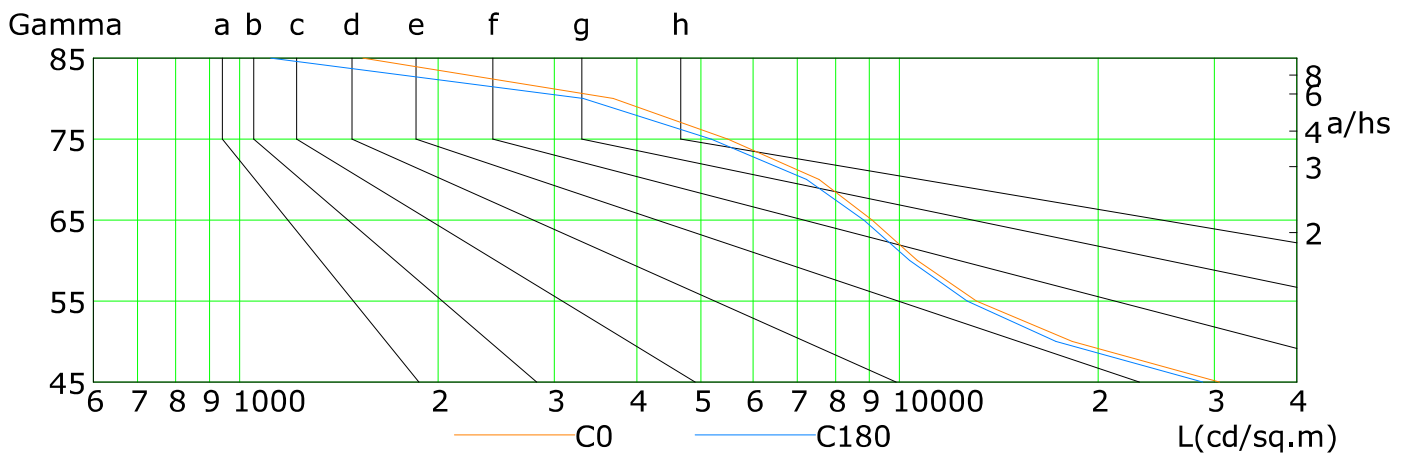
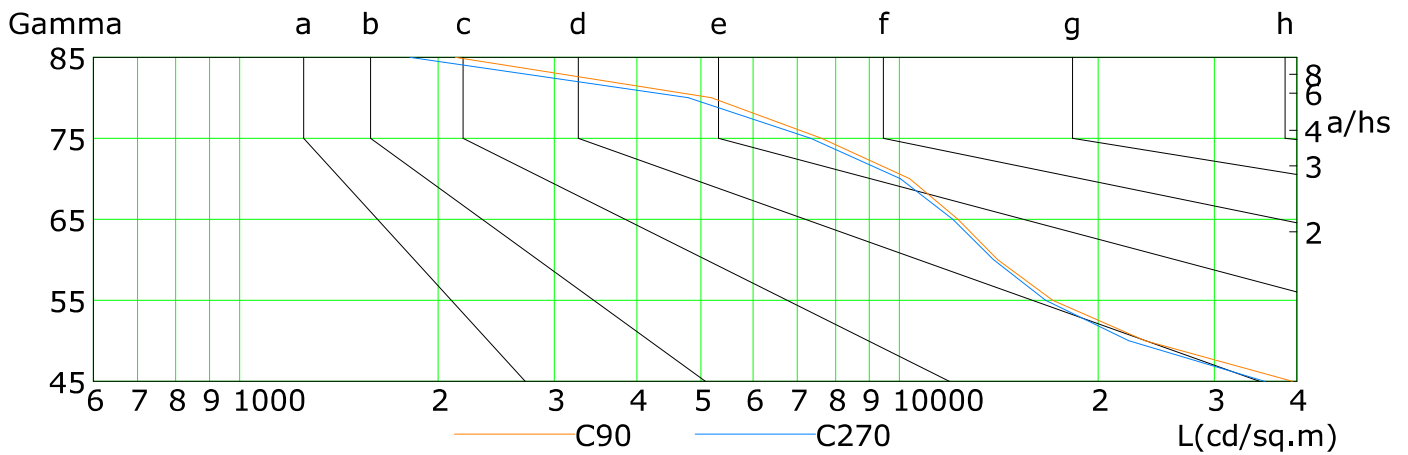
Humidity:

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	30537	18270	13077	10639	9094	7555	5492	3684	1538
C90	39419	23537	17062	14090	12259	10356	7622	5185	2122
C180	28835	17266	12670	10355	8828	7231	5185	3315	1115
C270	35733	22239	16655	13884	12049	10025	7334	4782	1812

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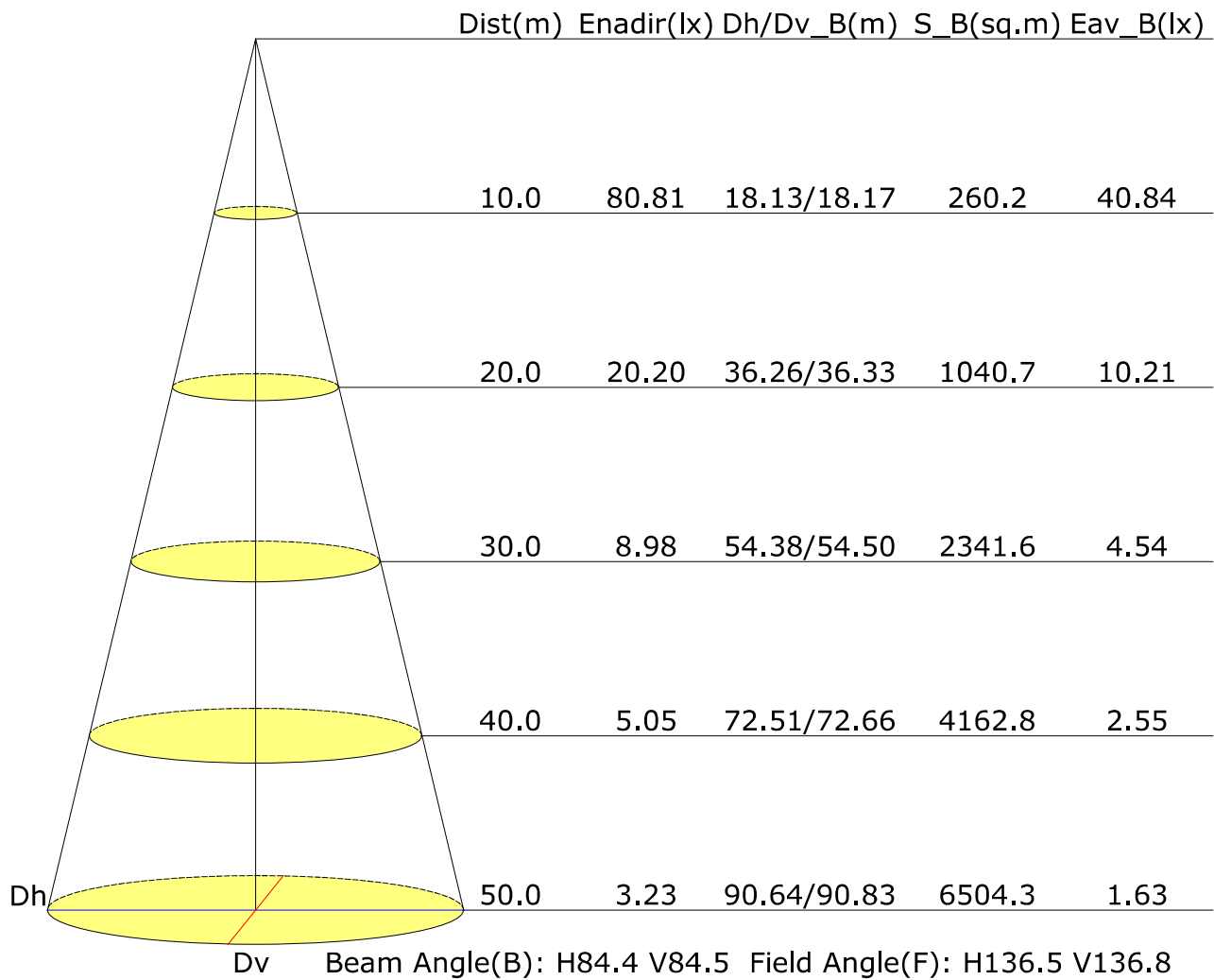
Test Device: LSG-1800B

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: