

Report No.: 1

Test Time: 23.08.2018 15:55

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG 55 0,355A 57W 5000K

Lamp Description: LED

Luminous Width (mm): 55

Voltage: 221.6 V

Power: 56.94 W

Luminous Length (mm): 1200

Luminous Height (mm): 85

Current: 0.263 A

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 8109.7 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.4, 150.7, 153.1, 153.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.1, 115.5, 112.4, 112.3

Luminaire Efficacy Rating (LER): 142.47

Max. Intensity: 2830.05 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 8109.7 lm

Efficiency: 100%

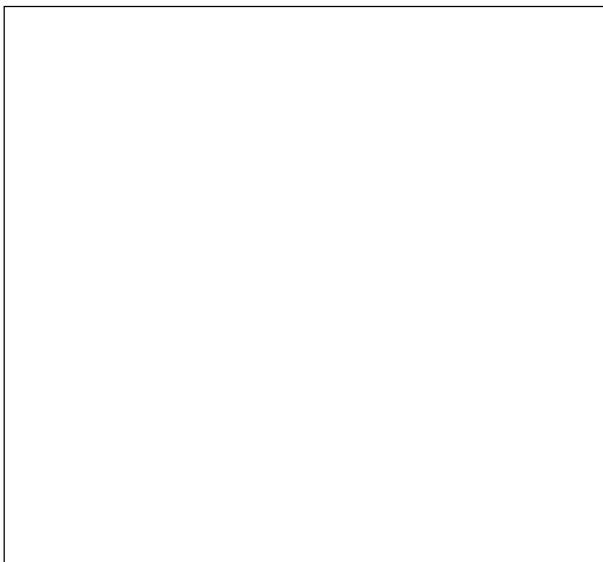
Upward Ratio: 1%

Central Intensity: 2823.86 cd

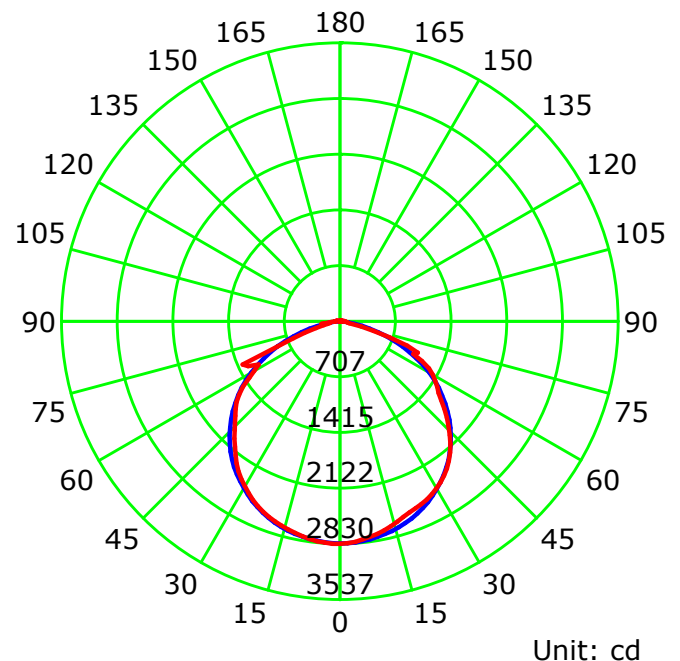
Pos of Max. Intensity: H112.5 V0

S/MH(C90/C270): 1.28

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

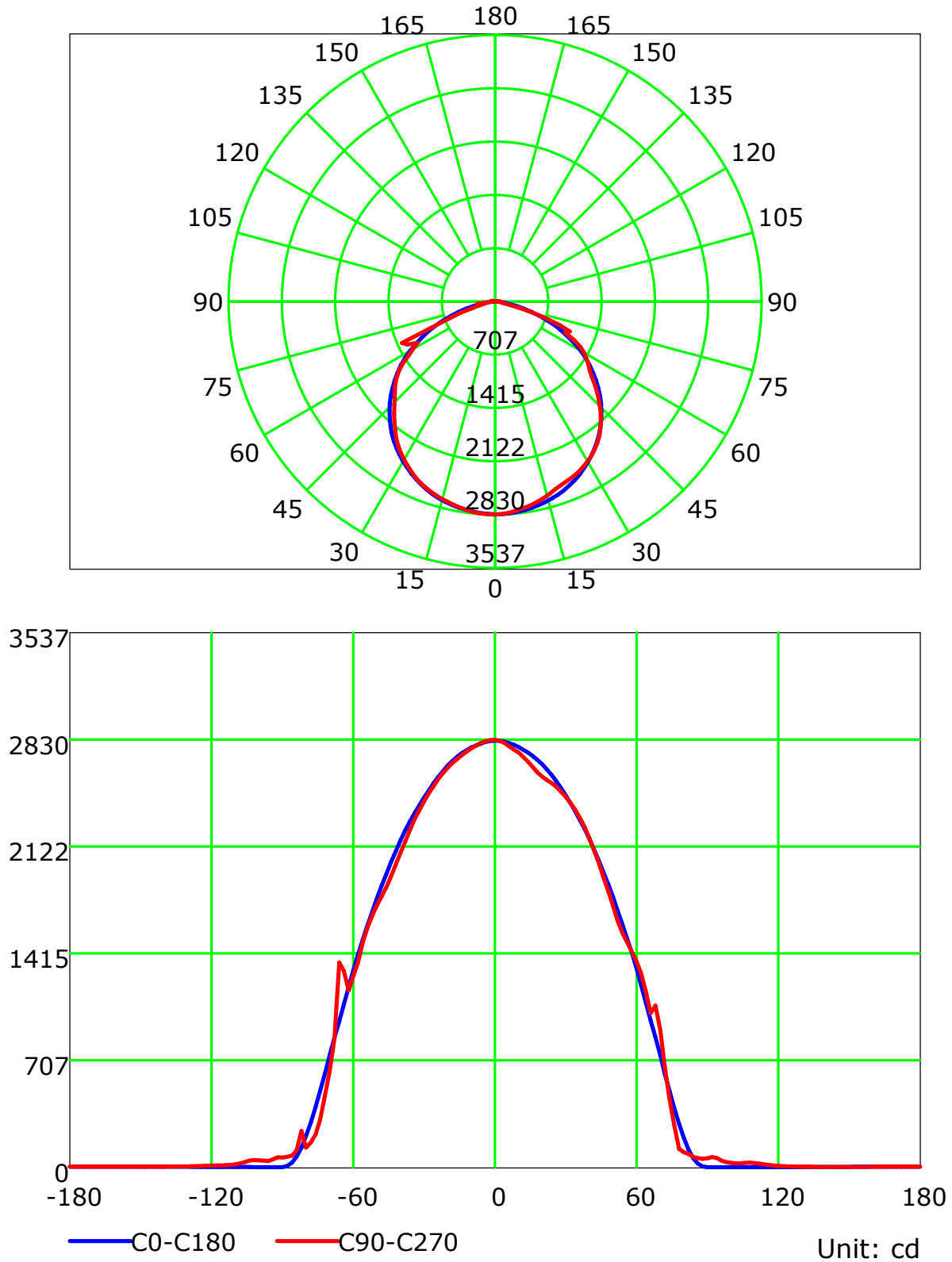
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

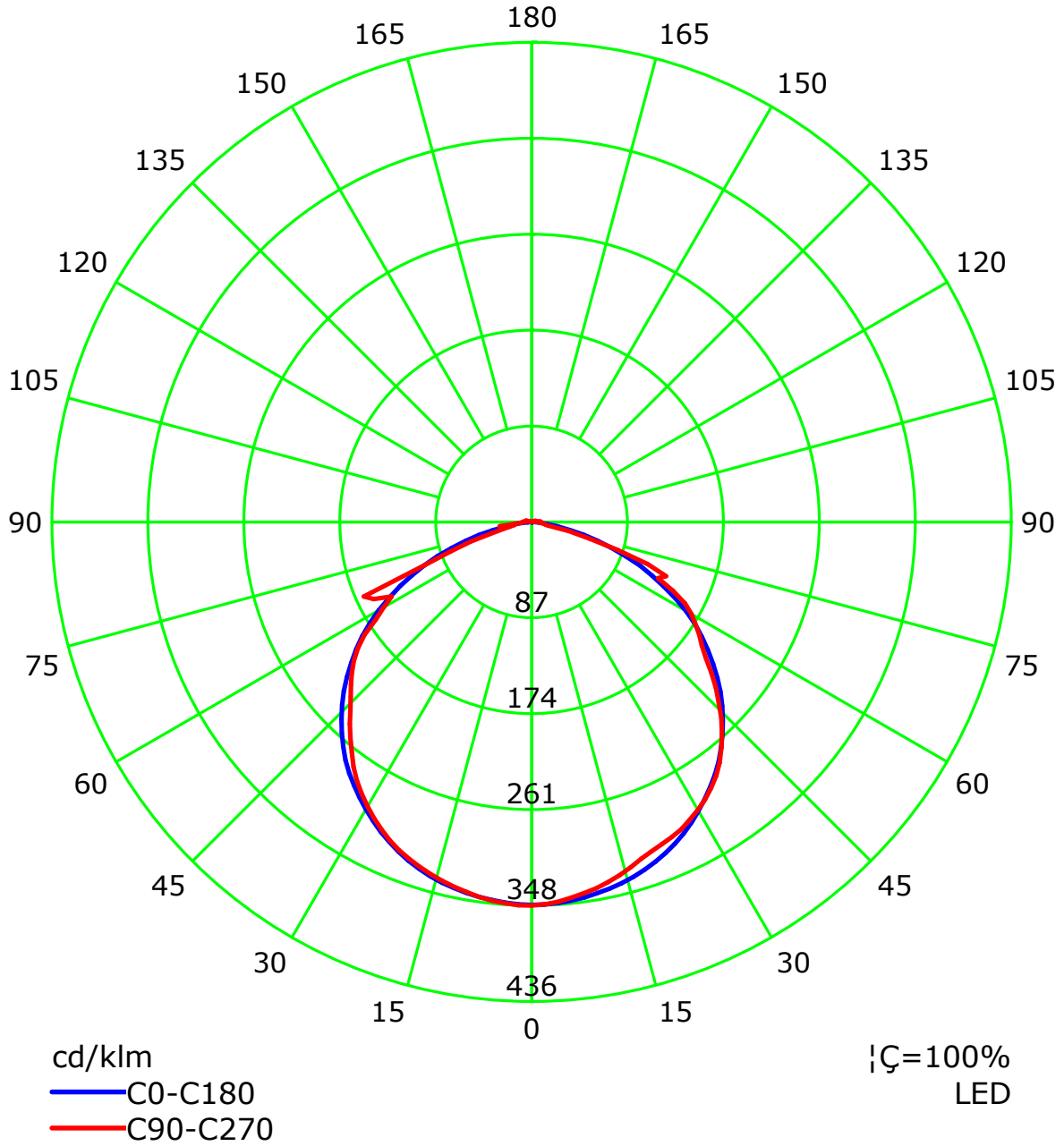
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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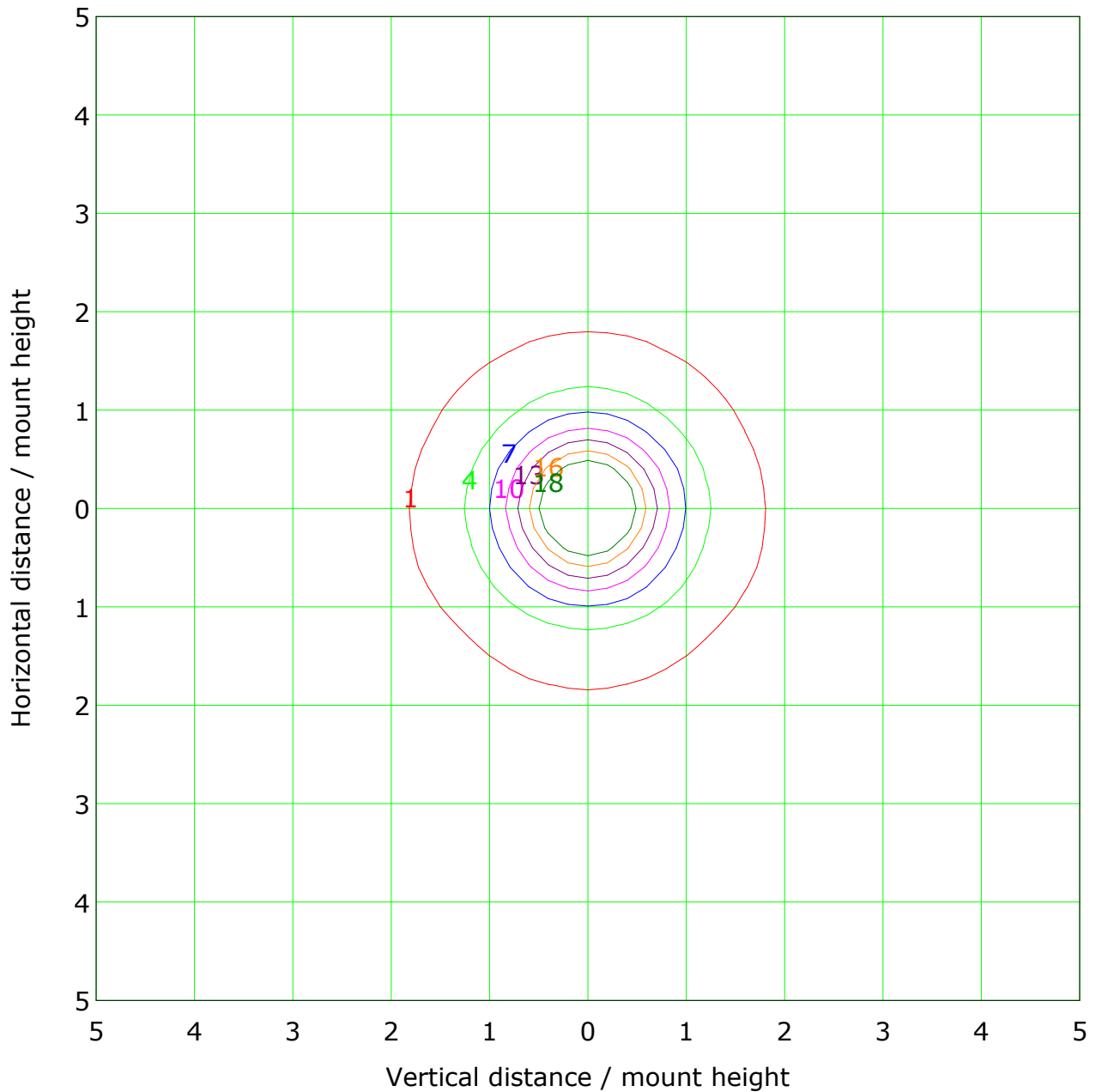
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 28.3 lx	
(5%):	1.4 lx	(15%):	4.2 lx
(25%):	7.1 lx	(35%):	9.9 lx
(45%):	12.7 lx	(55%):	15.6 lx
(65%):	18.4 lx		

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Test Lab:

Test Type: TYPE C

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Test Device: LSG-1800B

Distance: 12.654 m

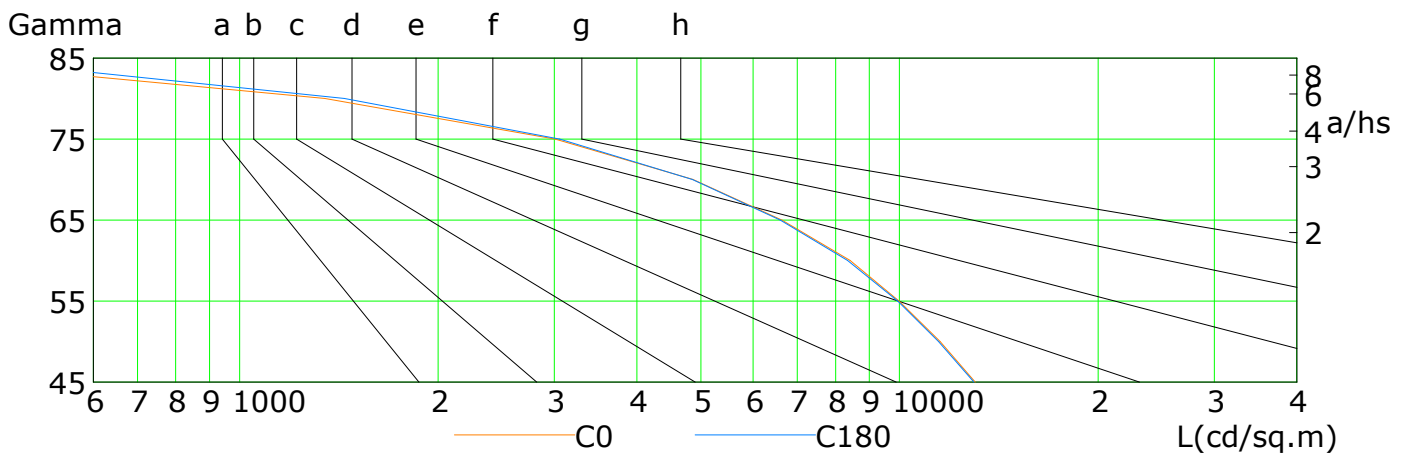
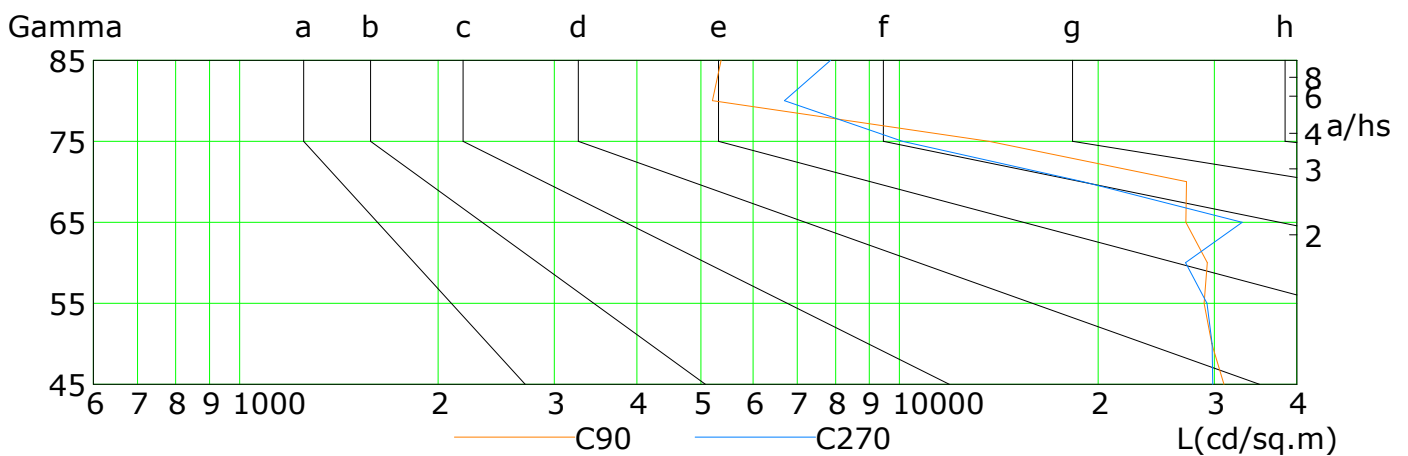
Humidity:

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	13019	11520	9988	8420	6638	4861	3010	1347	303
C90	31021	29737	28955	29269	27154	27217	13673	5205	5368
C180	12961	11458	9945	8337	6601	4854	3055	1440	374
C270	29846	29784	29254	27130	33055	18947	10103	6693	7858

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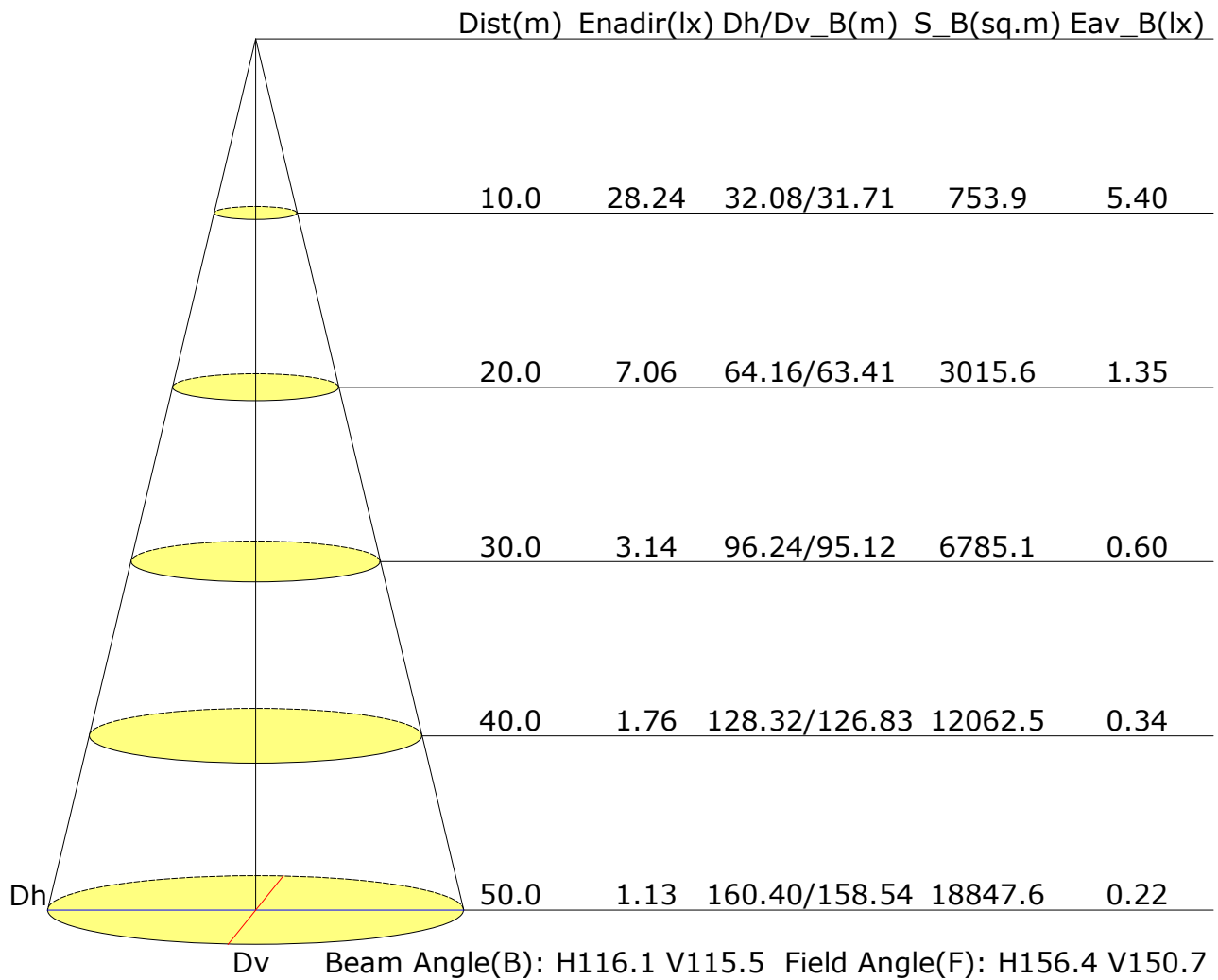
Test Device: LSG-1800B

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: