

Report No.: 1

Test Time: 25.05.2018 11:55

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FI 135 4x24LED 0,35A 37W Refond 32-34,5Lm 5000K

Lamp Description: LED

Luminous Length (mm): 1280

Luminous Width (mm): 135

Luminous Height (mm): 100

Voltage: 232.1 V

Current: 0.151 A

Power: 34.66 W

Power Factor: 0.982

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 4455.4 lm

Measurement Flux: 4455.4 lm

Efficiency: 100%

Downward Ratio: 95%

Upward Ratio: 5%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.3, 191.3, 182.7, 180.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 104.2, 117.8, 113.6, 111.4

Luminaire Efficacy Rating (LER): 128.60

Central Intensity: 1430.97 cd

Max. Intensity: 1445.11 cd

Pos of Max. Intensity: H112.5 V0

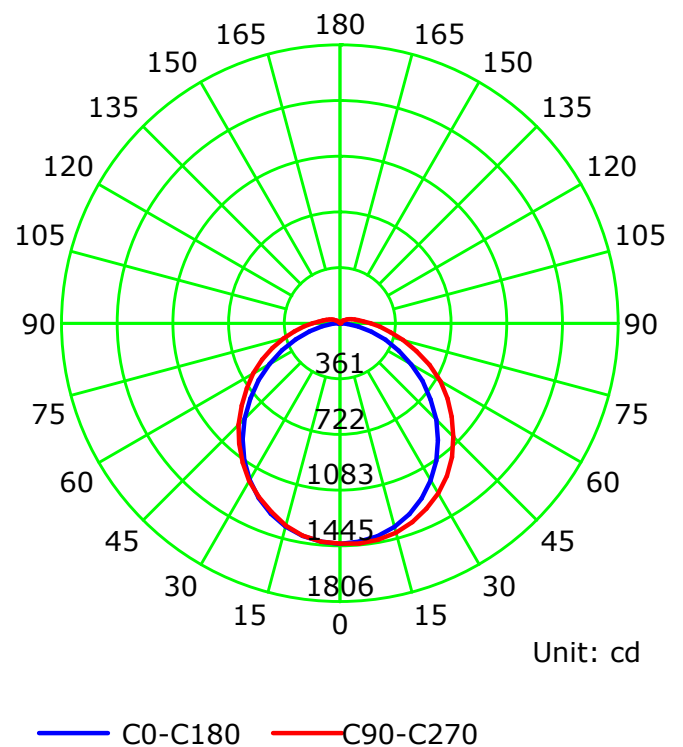
S/MH(C0/C180): 1.22

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

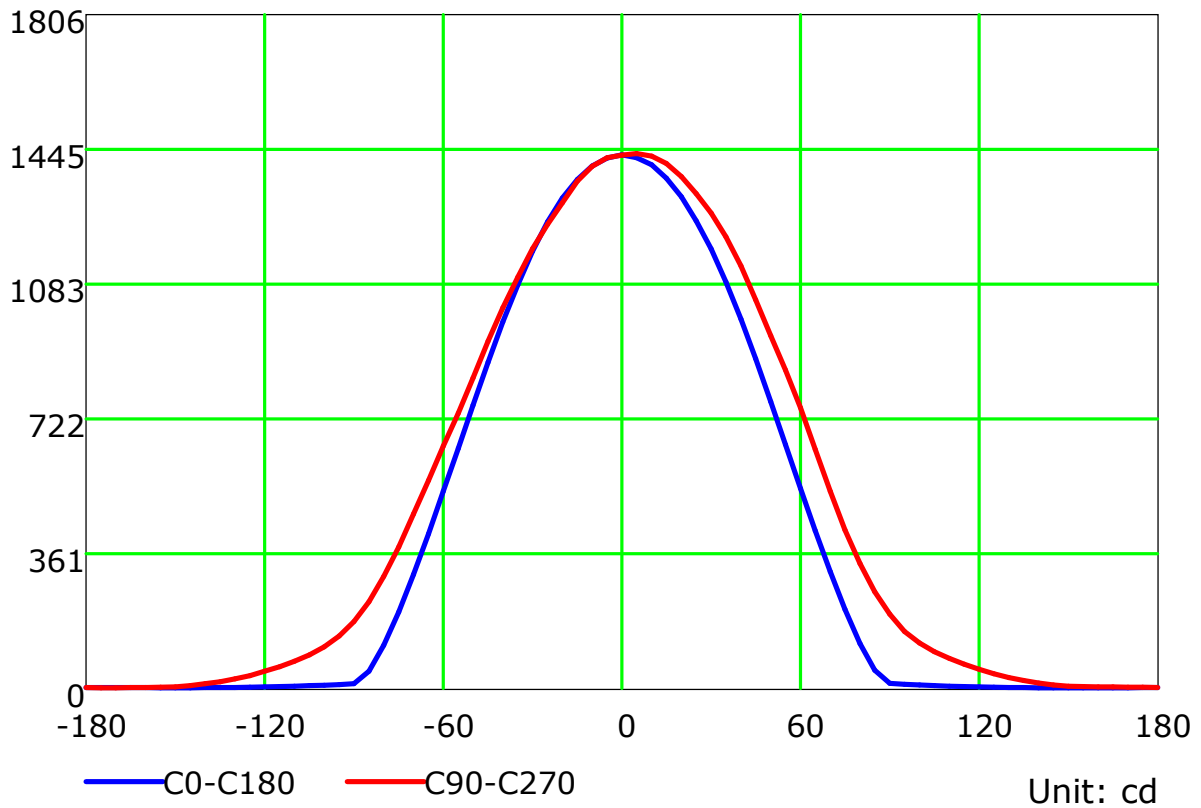
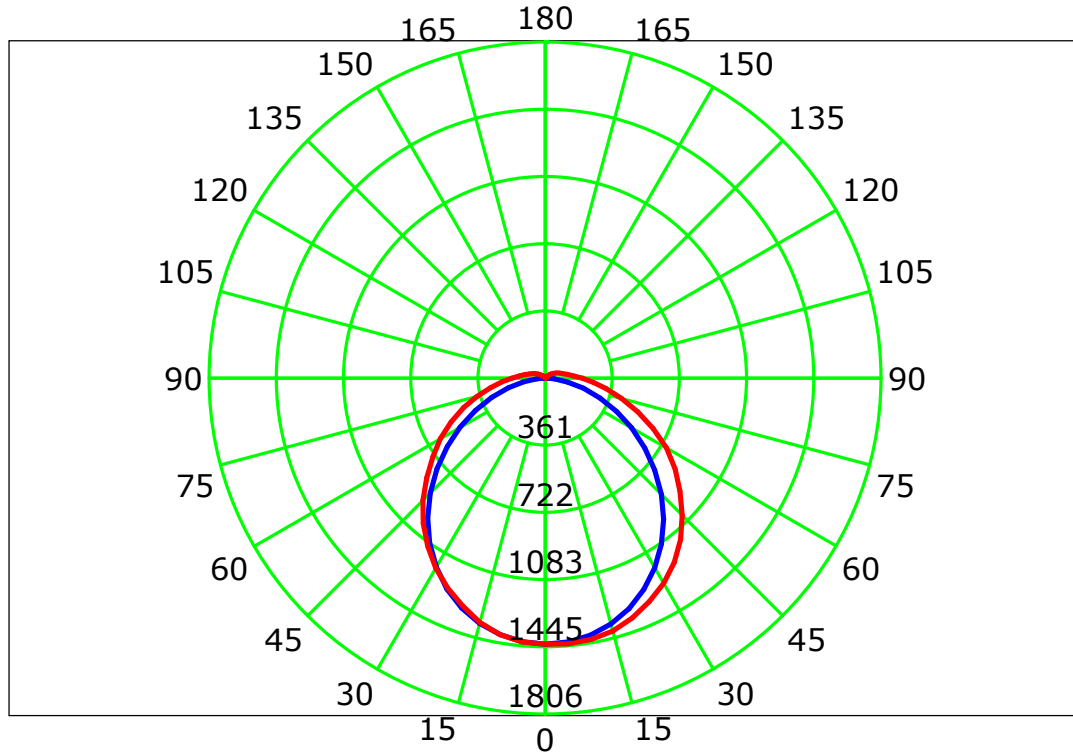
Temperature:

Humidity:

Operator:

Inspector:

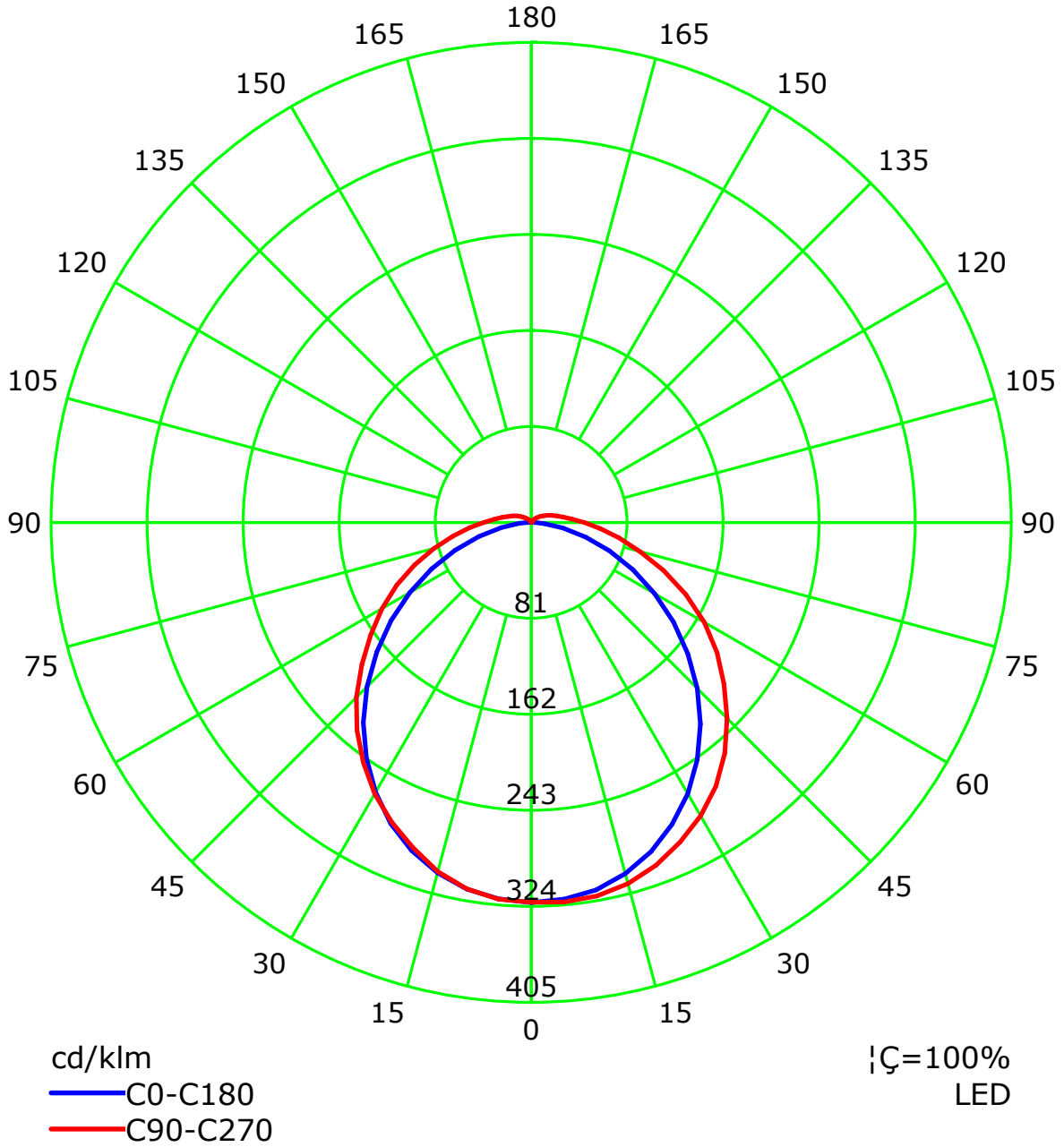
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:5.0
 Test Device: LSG-1800B
 Distance: 12.654 m
 Humidity:
 Inspector:

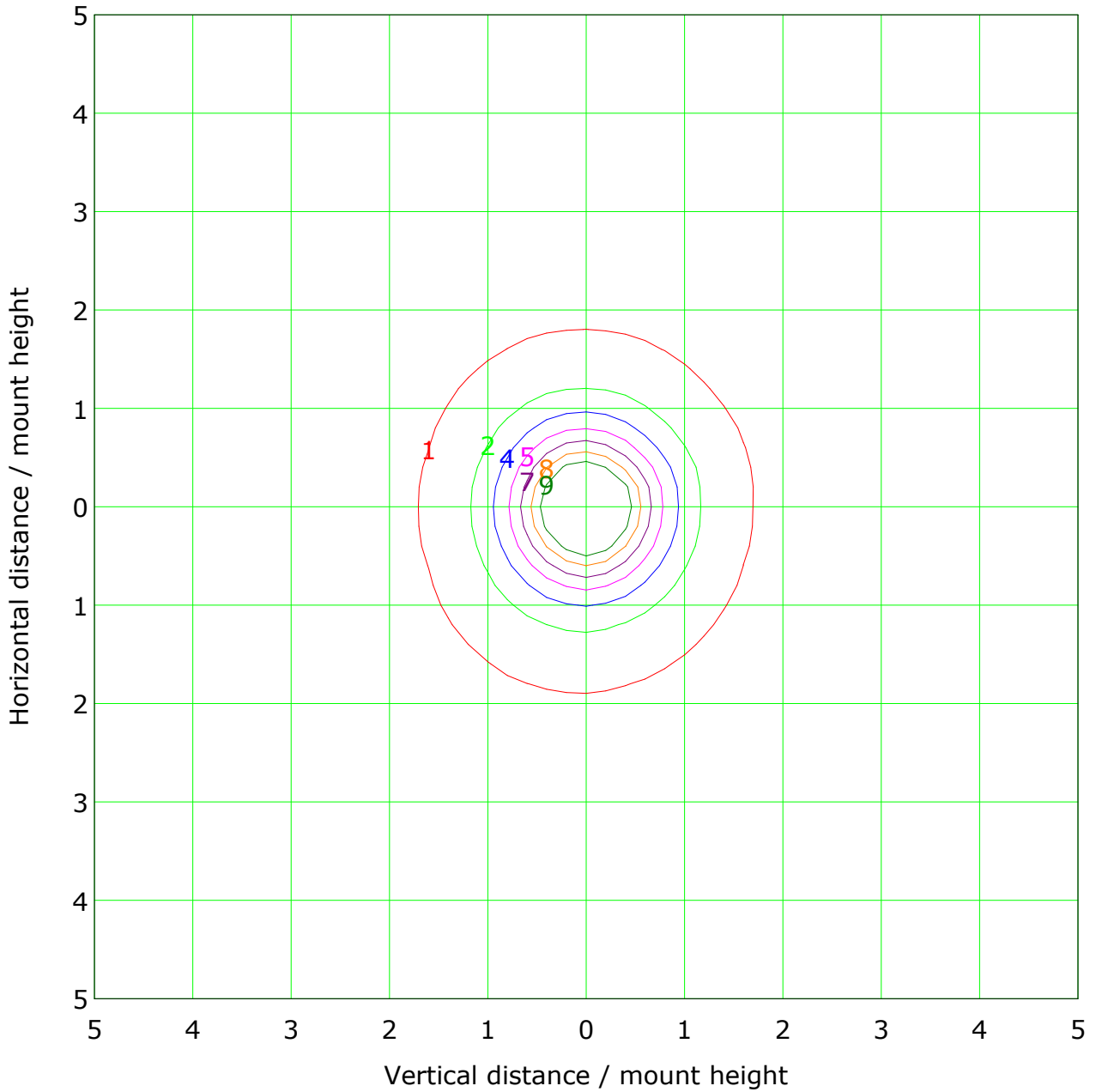
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: LSG-1800B
Distance: 12.654 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 14.5 lx	
— (5%):	0.7 lx	— (15%):	2.2 lx
— (25%):	3.6 lx	— (35%):	5.1 lx
— (45%):	6.5 lx	— (55%):	7.9 lx
— (65%):	9.4 lx		

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

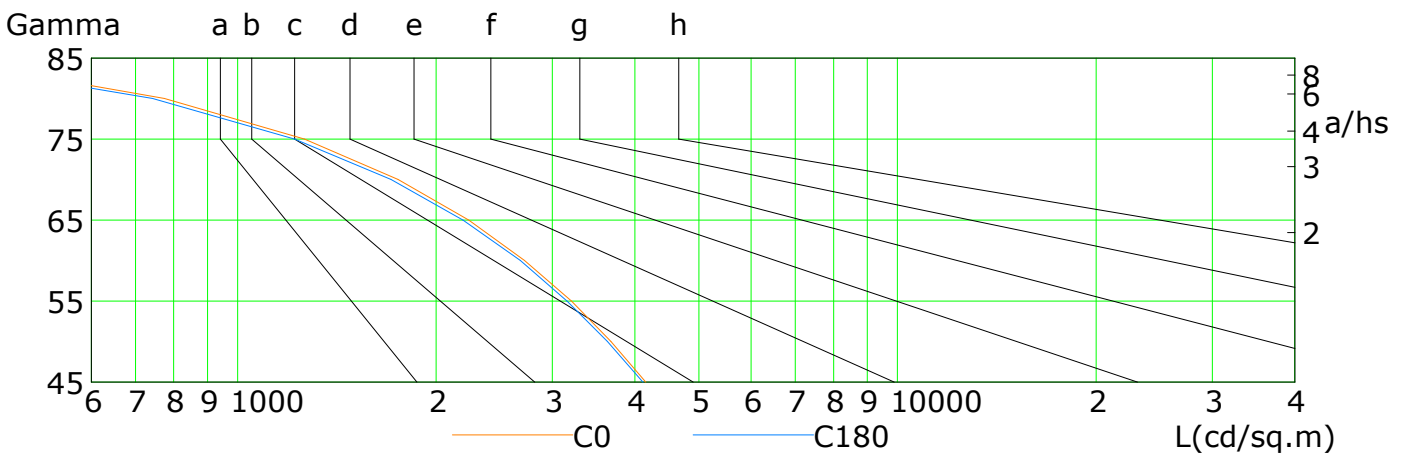
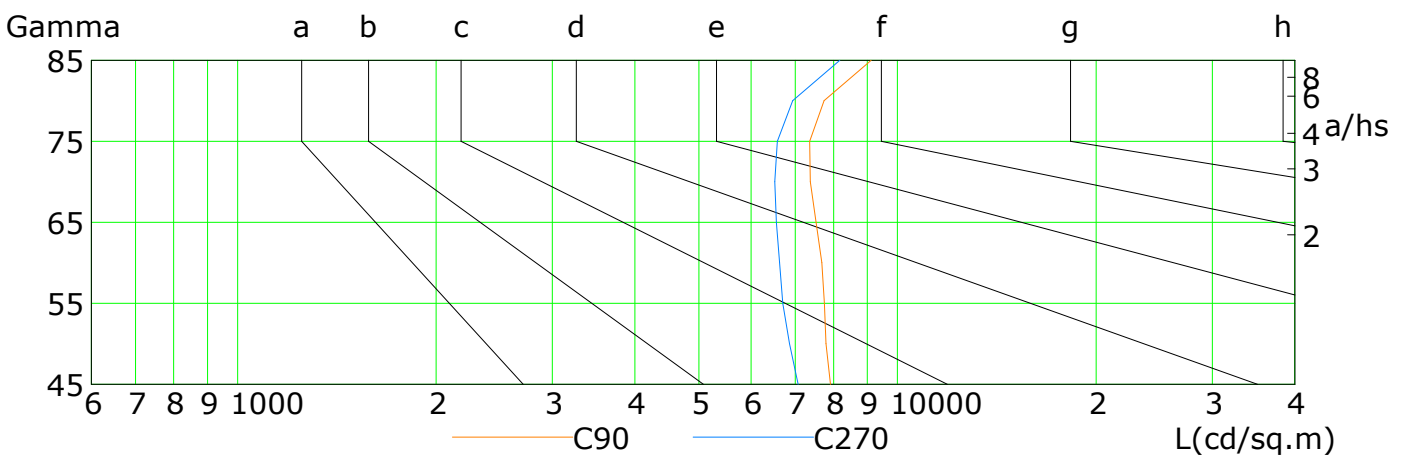
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	4157	3677	3206	2720	2240	1750	1263	774	349
C90	7913	7792	7750	7677	7523	7376	7358	7737	9118
C180	4115	3633	3157	2681	2195	1707	1220	743	327
C270	7072	6862	6702	6625	6552	6515	6576	6937	8172

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

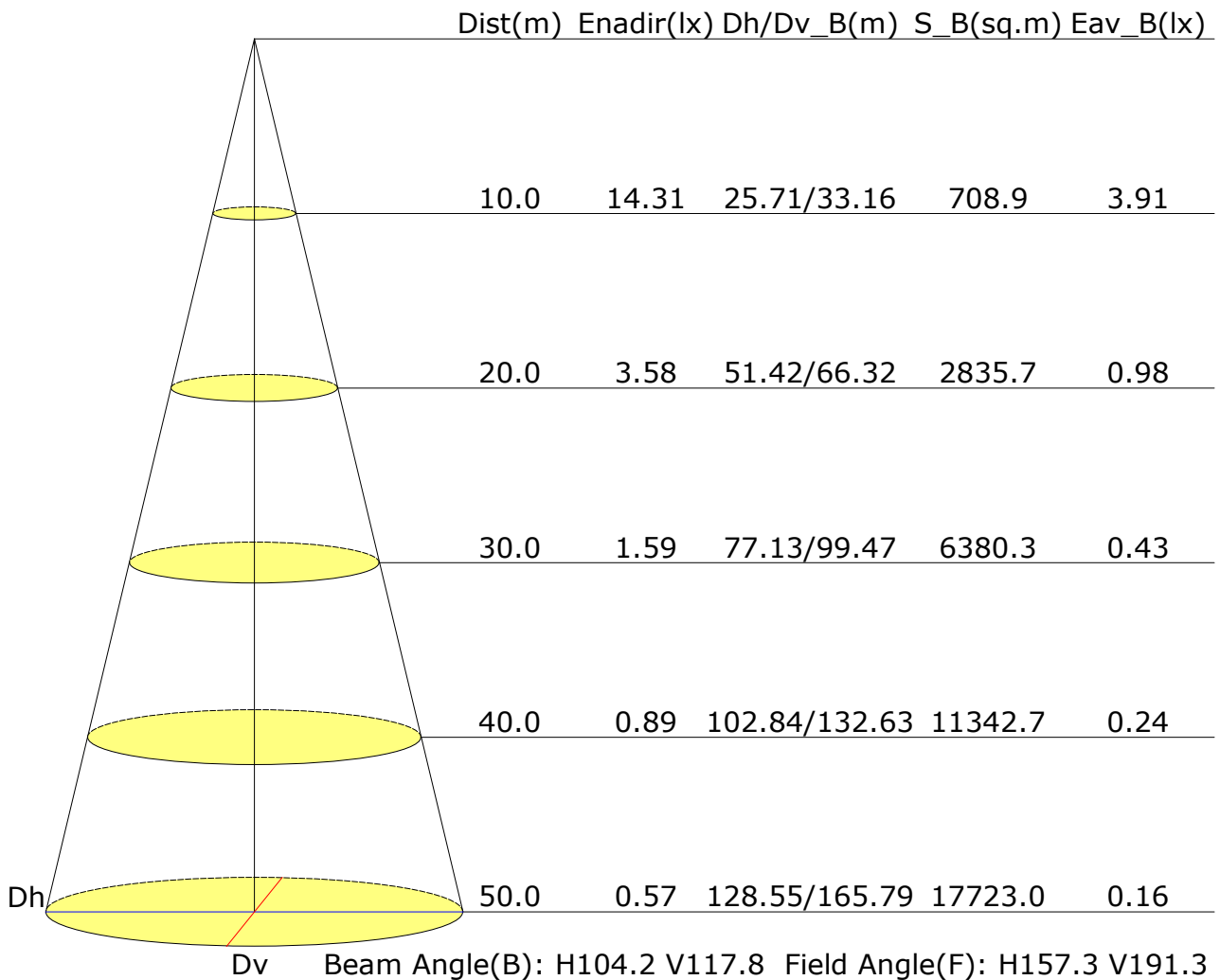
Test Device: LSG-1800B

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 (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: