

Report No.: 7

Test Time: 07.02.2018 11:32

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 70W Refond 32-34,5Lm 5000K microprism

Lamp Description: LED

Luminous Length (mm): 1550

Luminous Width (mm): 60

Luminous Height (mm): 80

Voltage: 232.1 V

Current: 0.322 A

Power: 72.59 W

Power Factor: 0.968

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 9112.1 lm

Measurement Flux: 9112.1 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 161.2, 152.3, 152.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 78.8, 74.9, 74.6, 74.8

Luminaire Efficacy Rating (LER): 125.58

Central Intensity: 4797.33 cd

Max. Intensity: 4803.17 cd

Pos of Max. Intensity: H225 V1

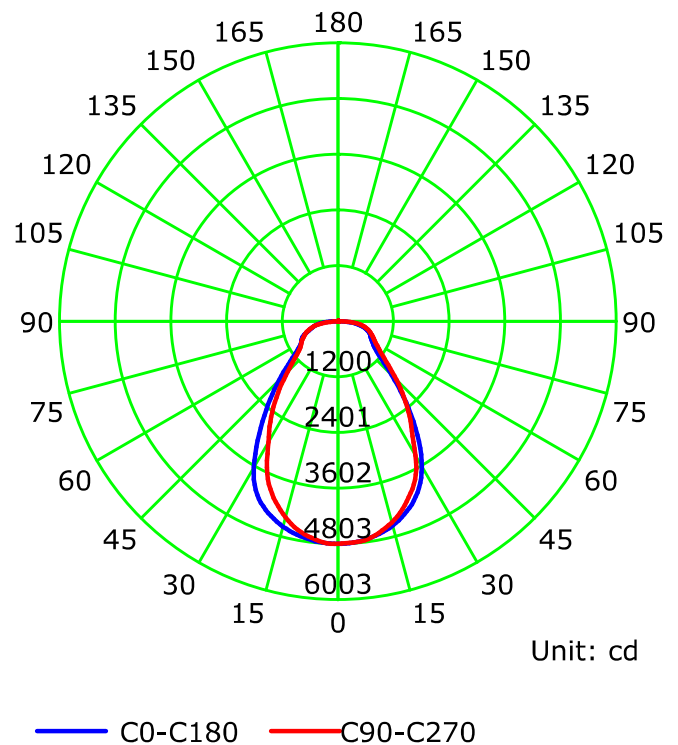
S/MH(C0/C180): 1.14

S/MH(C90/C270): 1.05

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: LSG-1800B

Test Type: TYPE C

Distance: 12.654 m

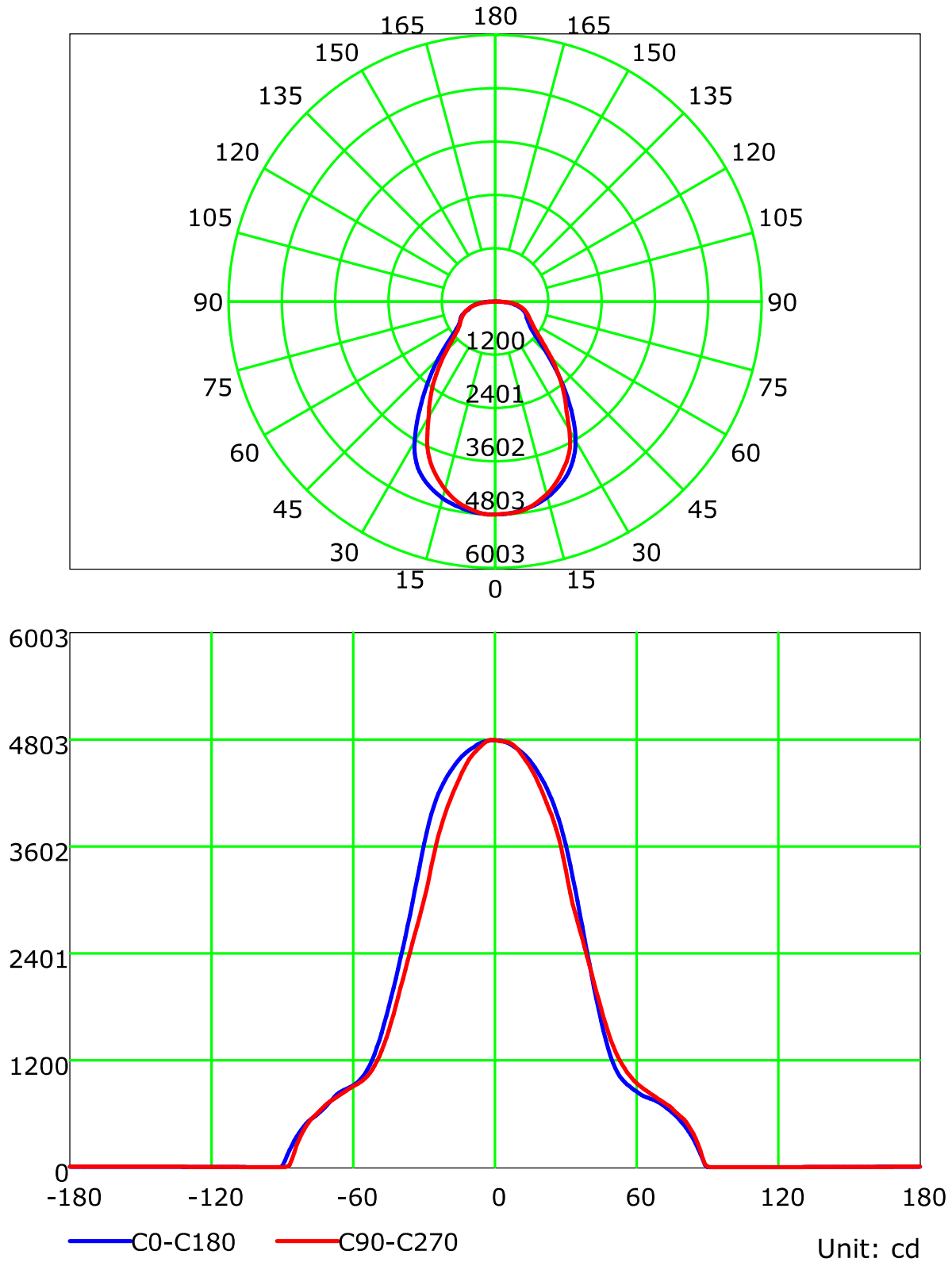
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

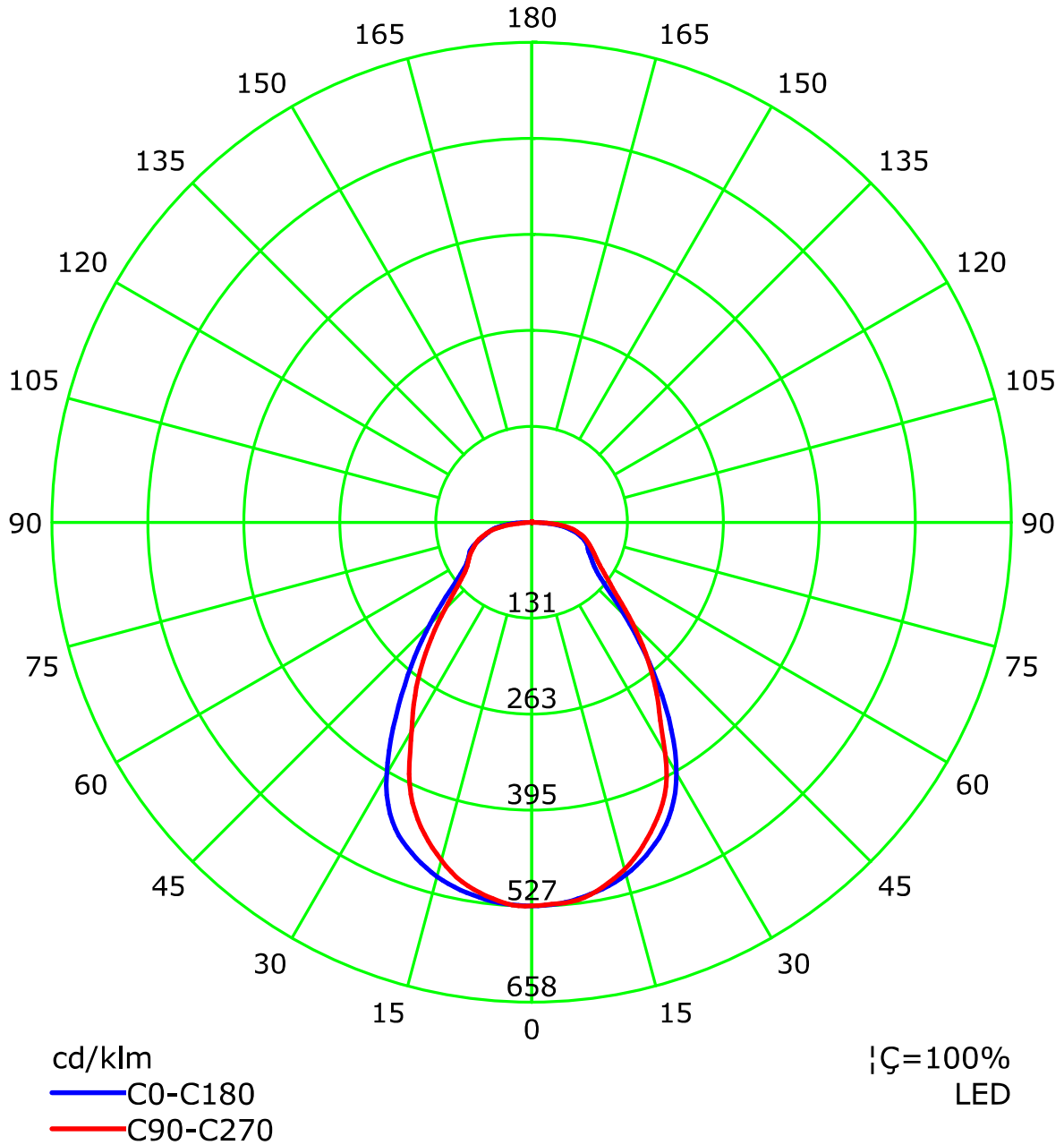
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

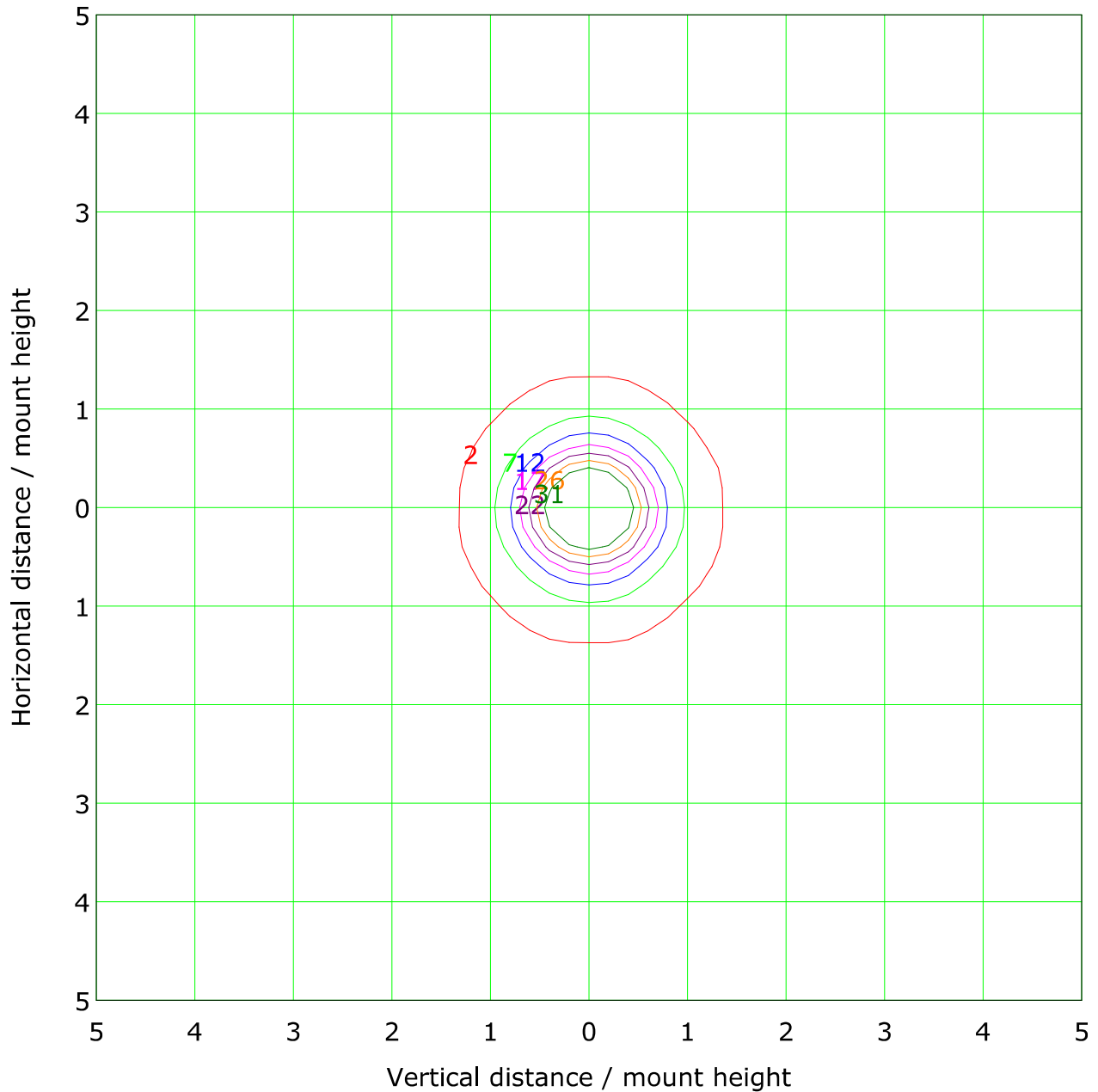
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 48.0 lx

(5%): 2.4 lx	(15%): 7.2 lx
(25%): 12.0 lx	(35%): 16.8 lx
(45%): 21.6 lx	(55%): 26.4 lx
(65%): 31.2 lx	

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

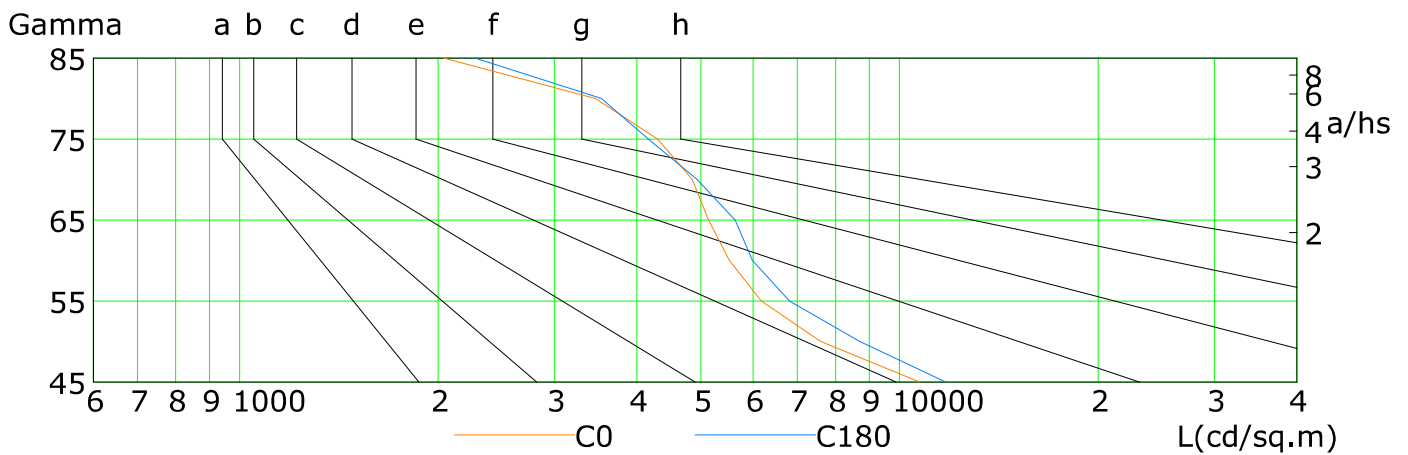
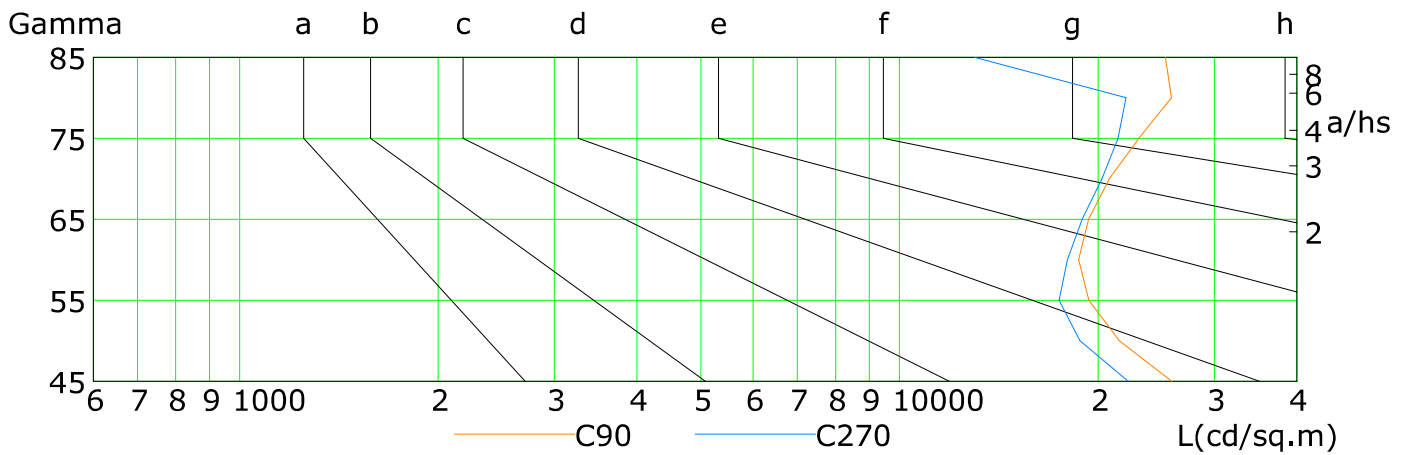
Humidity:

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	10740	7592	6180	5526	5136	4852	4300	3460	2041
C90	25847	21531	19372	18675	19341	20804	23058	25834	25278
C180	11756	8700	6812	5986	5639	4933	4166	3533	2276
C270	22216	18778	17446	17975	18906	20264	21440	22035	12997

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

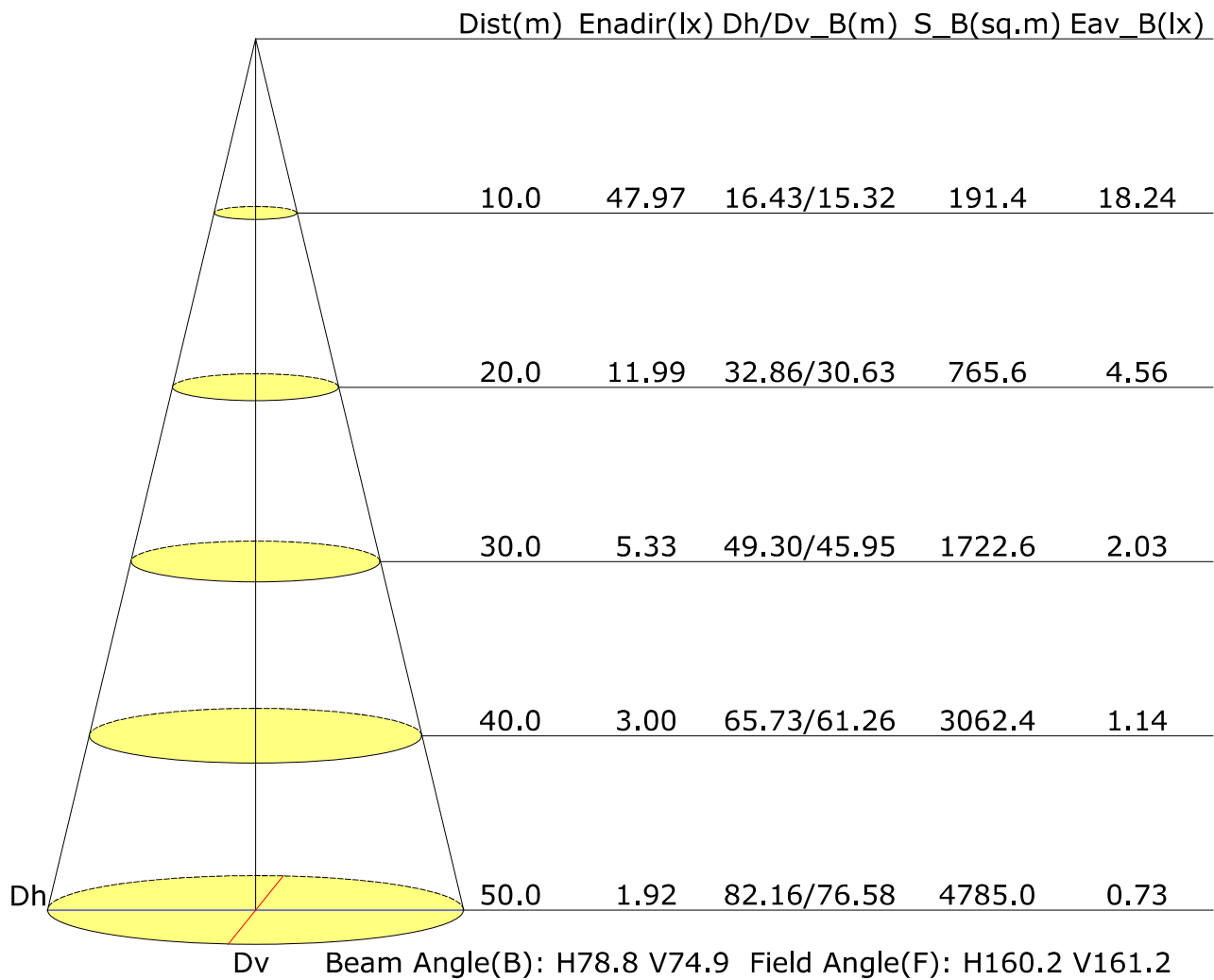
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector: