

Report No.: 4

Test Time: 08.02.2018 11:19

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FG60 2x96LED 60W refond 32-34,5Lm 5000K microprism

Lamp Description: LED

Luminous Length (mm): 1550

Luminous Width (mm): 60

Luminous Height (mm): 80

Voltage: 232.0 V

Current: 0.275 A

Power: 61.68 W

Power Factor: 0.963

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 7976.6 lm

Measurement Flux: 7976.6 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, 75.0, 74.7, 74.9

Luminaire Efficacy Rating (LER): 129.37

Central Intensity: 4197.71 cd

Max. Intensity: 4201.09 cd

Pos of Max. Intensity: H225 V1

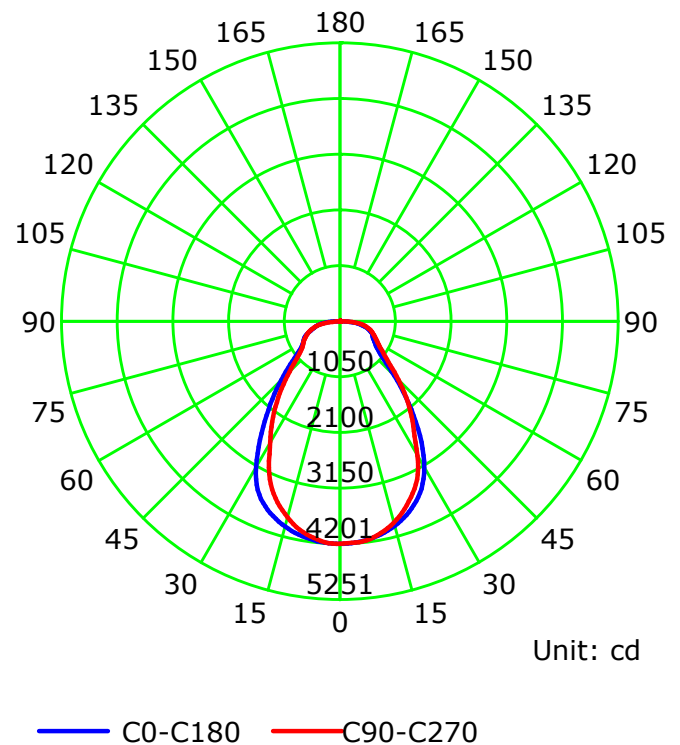
S/MH(C0/C180): 1.14

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

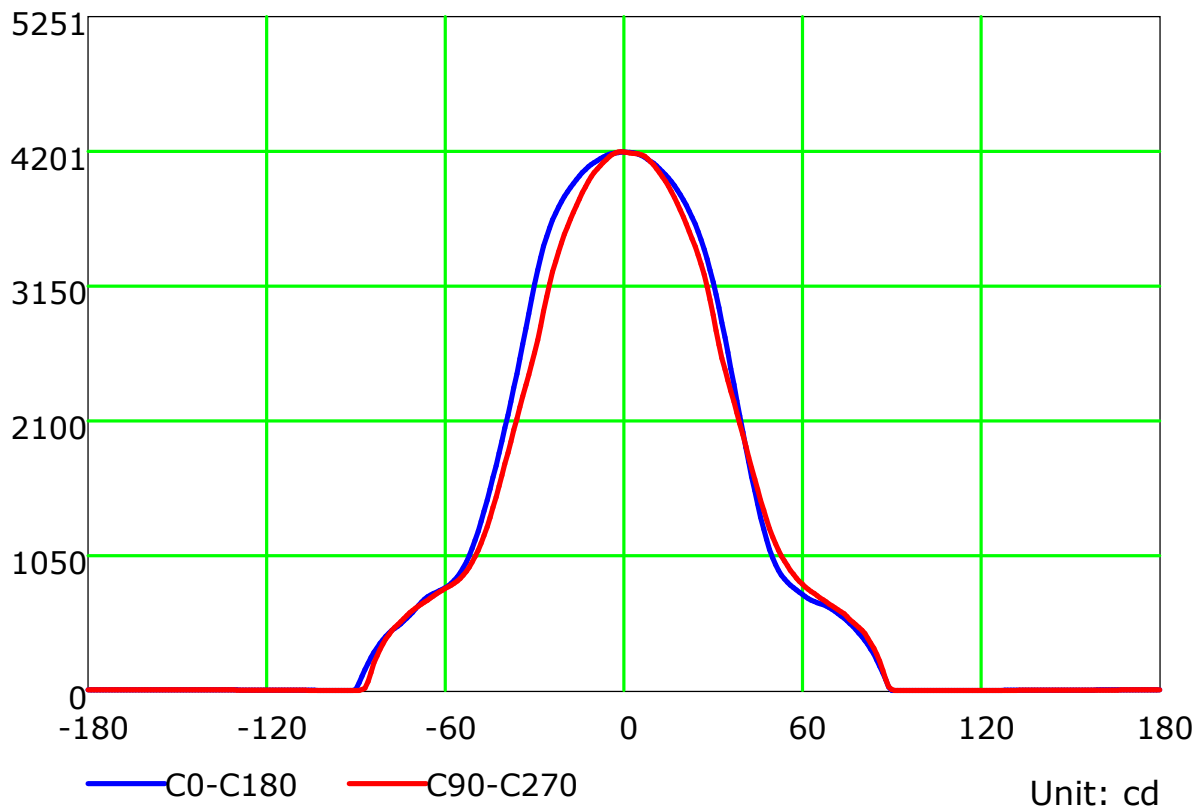
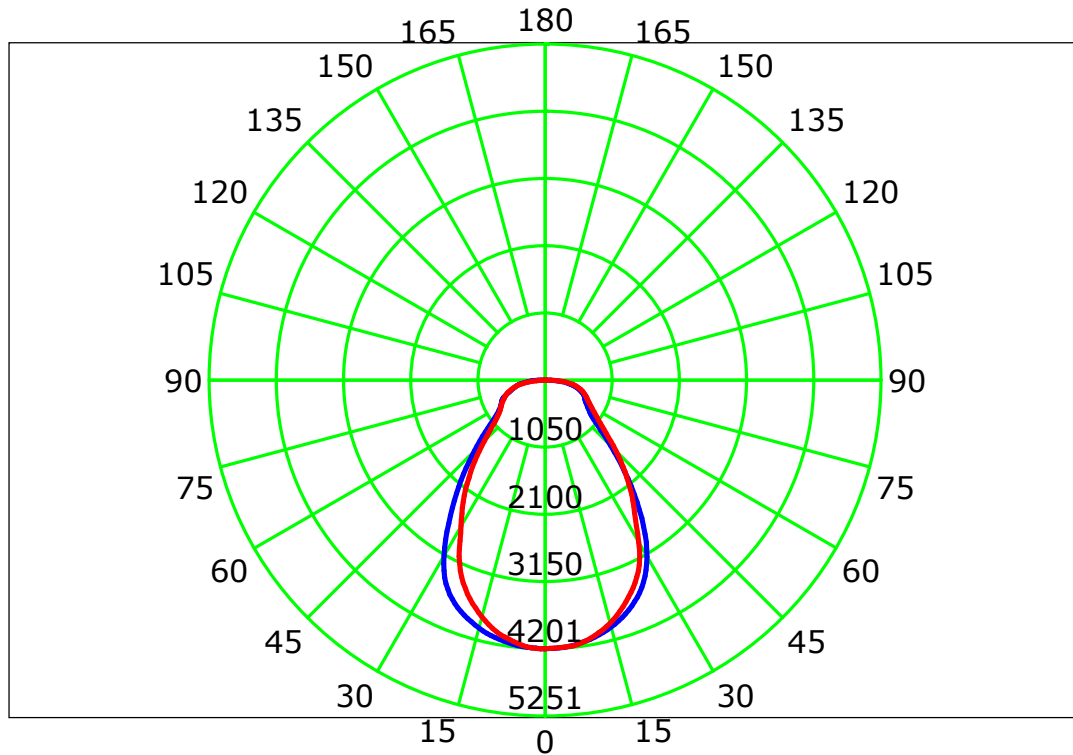
Temperature:

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

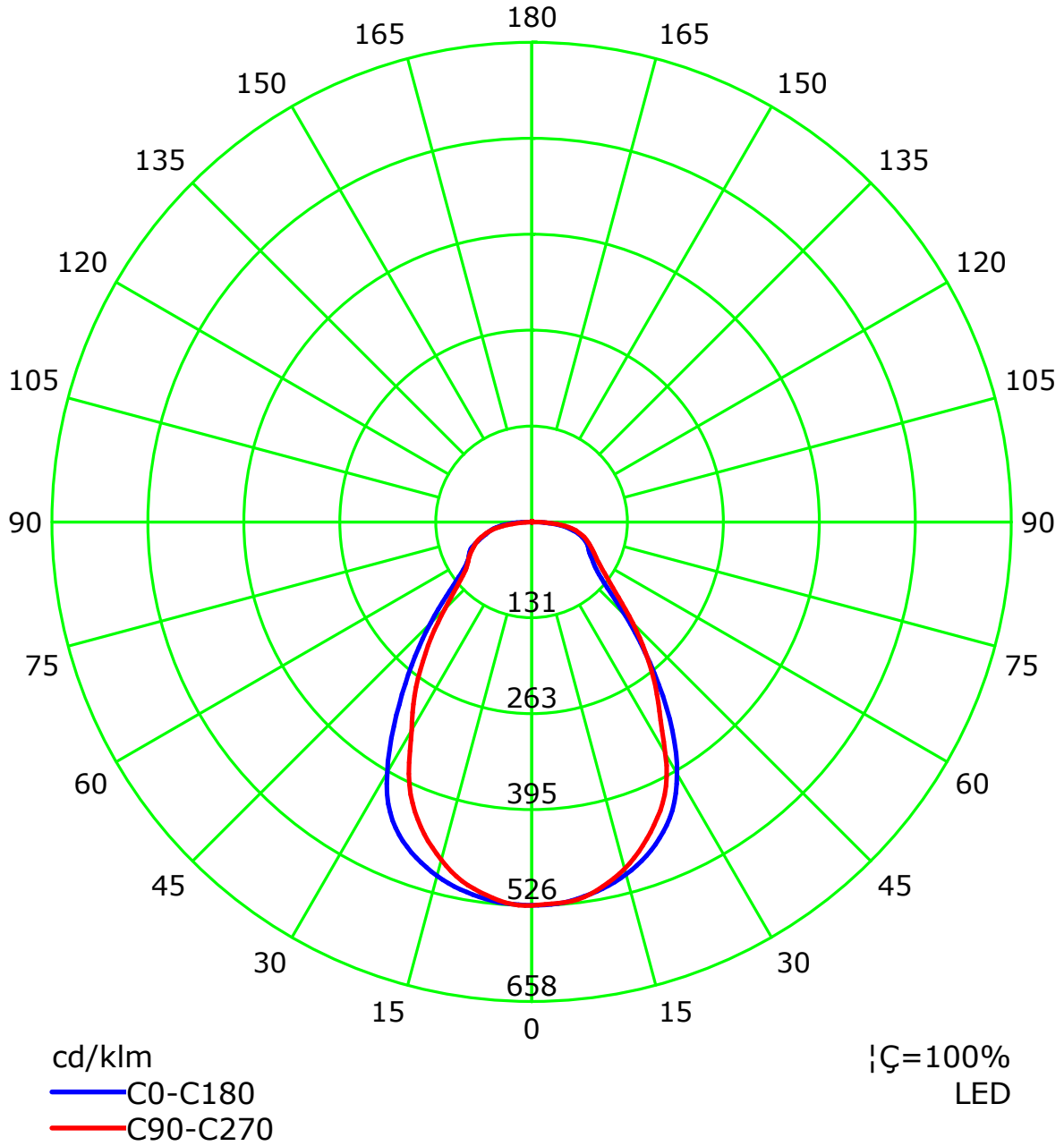
Test Device: LSG-1800B

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

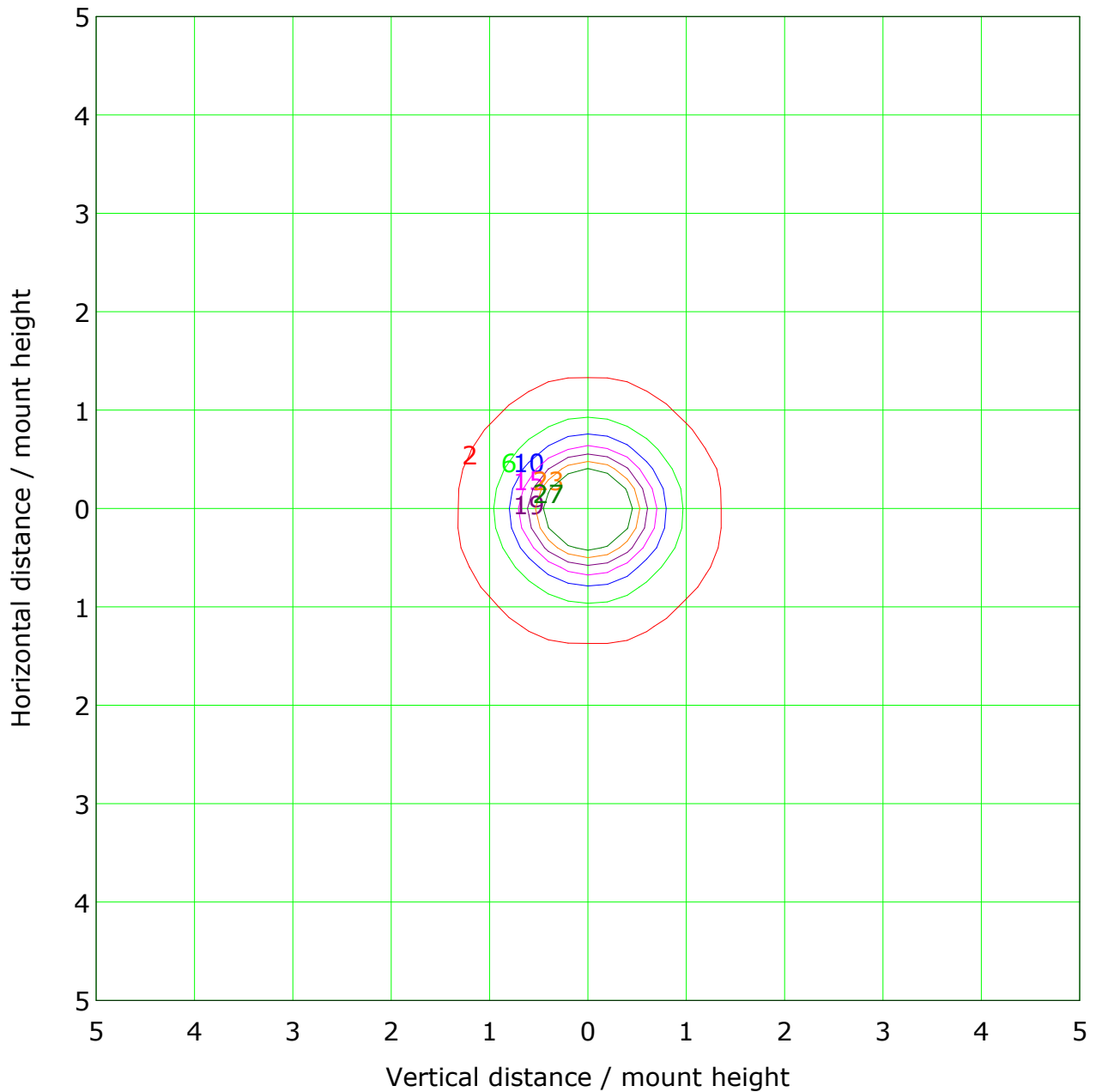
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



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

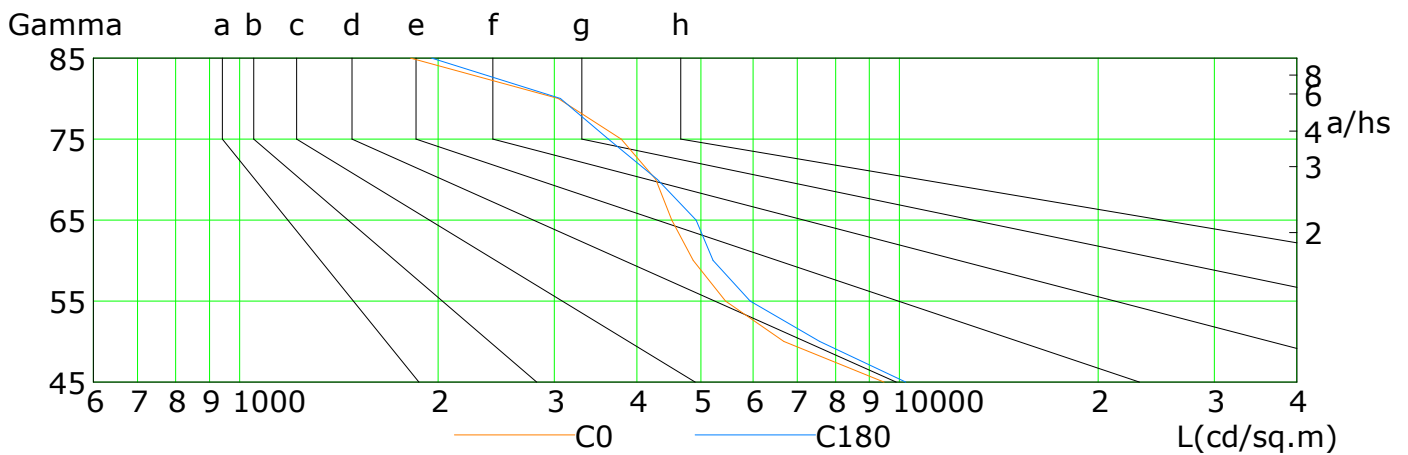
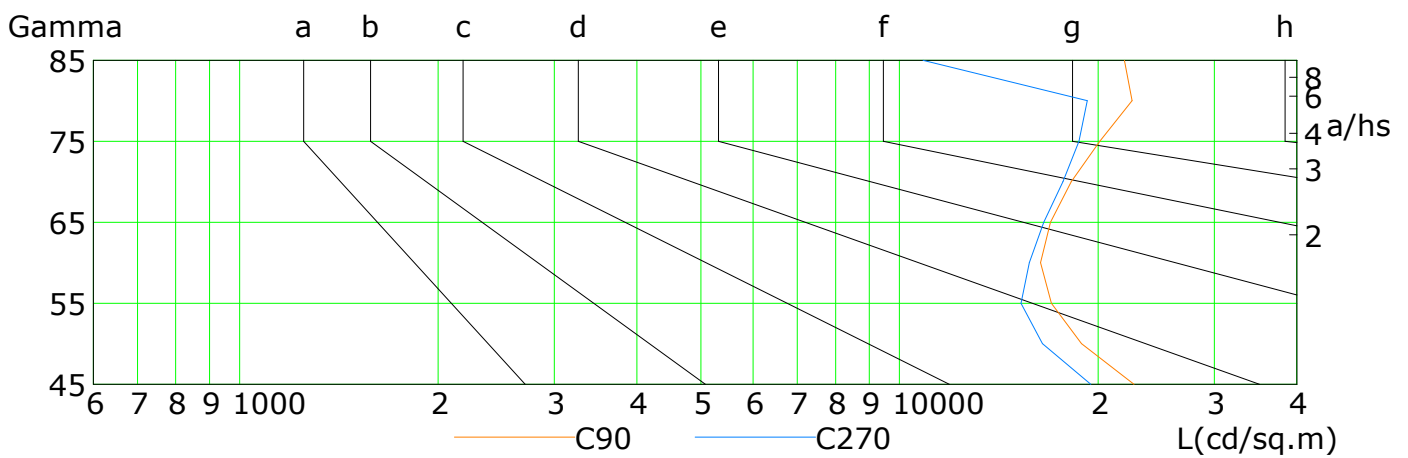
Humidity:

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	9478	6678	5448	4868	4518	4271	3786	3039	1816
C90	22663	18867	16988	16352	16931	18203	20124	22526	21911
C180	10228	7572	5939	5215	4917	4294	3623	3064	1956
C270	19490	16462	15277	15730	16547	17689	18698	19258	10852

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

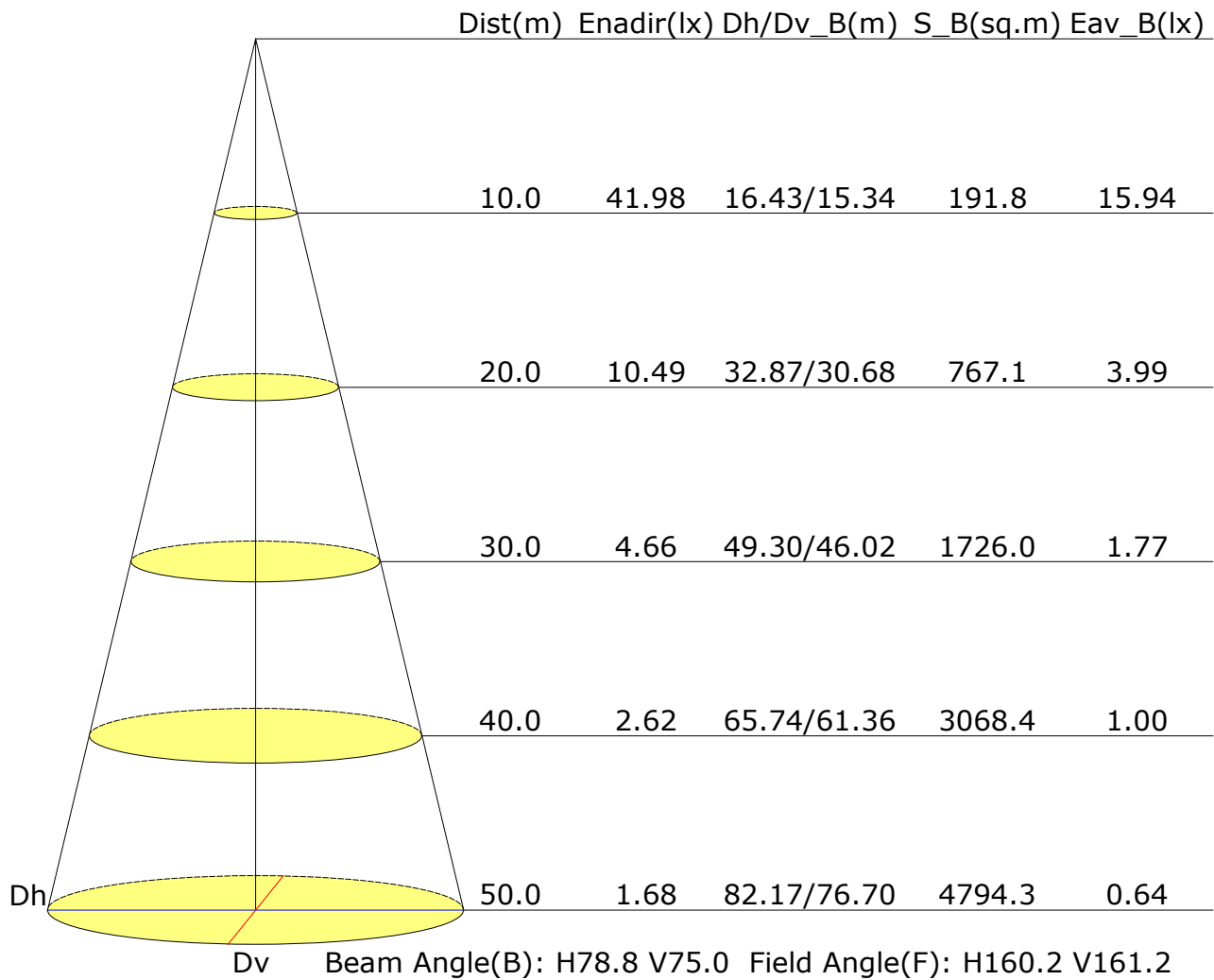
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

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: