

Report No.: 1

Test Time: 15.08.2018 16:32

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FT 81 30W 3000K

Luminous Length (mm): 185

Luminous Height (mm): 147

Current: 0.131 A

Power Factor: 0.963

Lamp Description: LED

Luminous Width (mm): 185

Voltage: 221.0 V

Power: 28.01 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2221 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 75.6, 75.3, 75.7, 75.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 27.7, 29.7, 28.0, 28.6

Luminaire Efficacy Rating (LER): 79.34

Max. Intensity: 5296.07 cd

S/MH(C0/C180): 0.47

Total Rated Lamp Lumens: 2221.0 lm

Efficiency: 100%

Upward Ratio: 0%

Central Intensity: 5294.9 cd

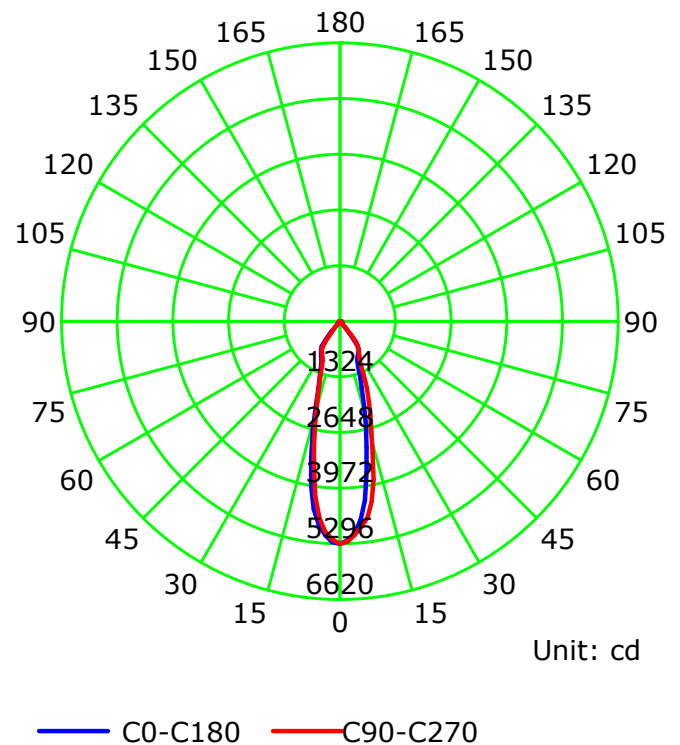
Pos of Max. Intensity: H22.5 V0

S/MH(C90/C270): 0.49

Picture Of Luminaire



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

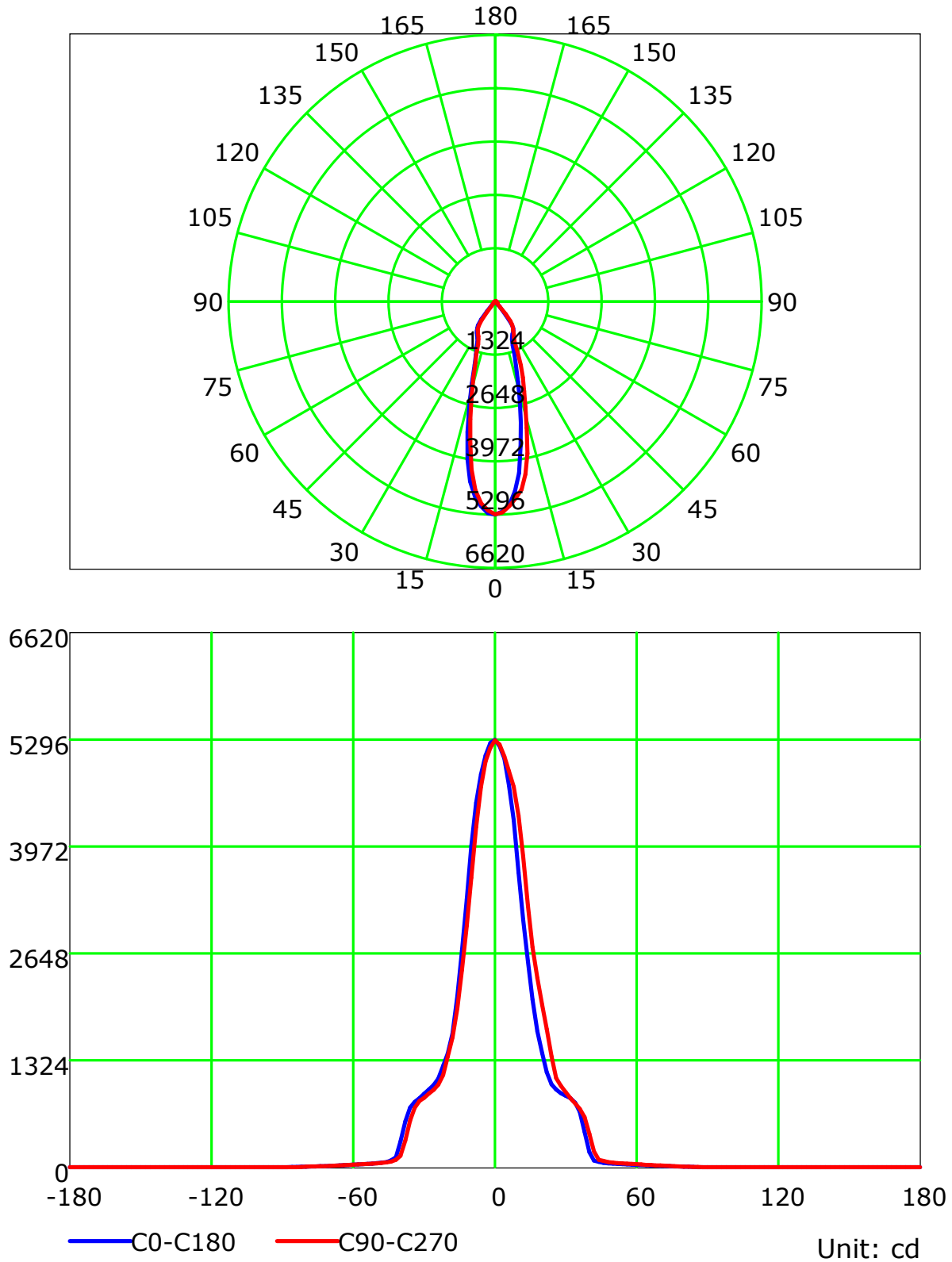
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

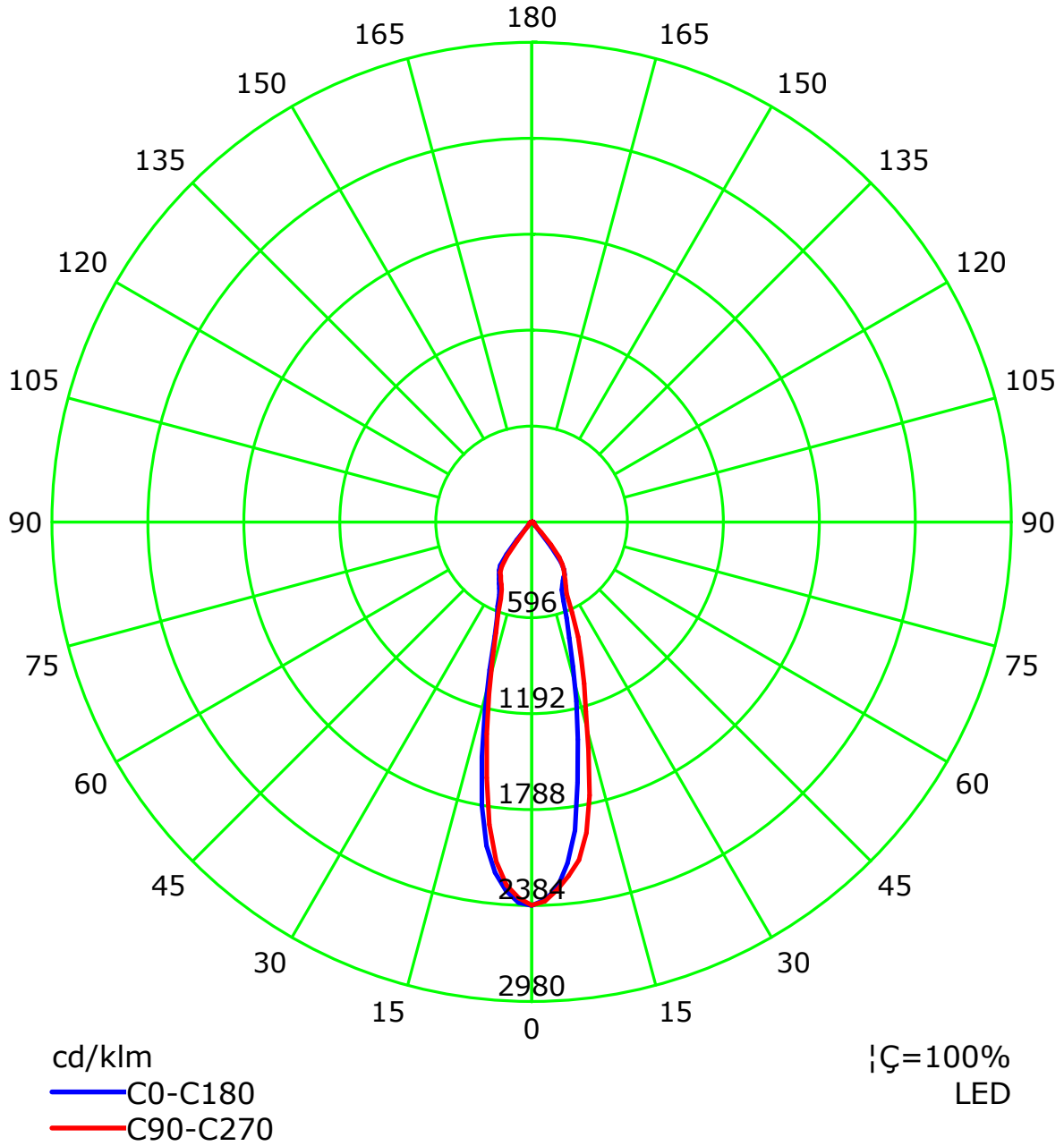
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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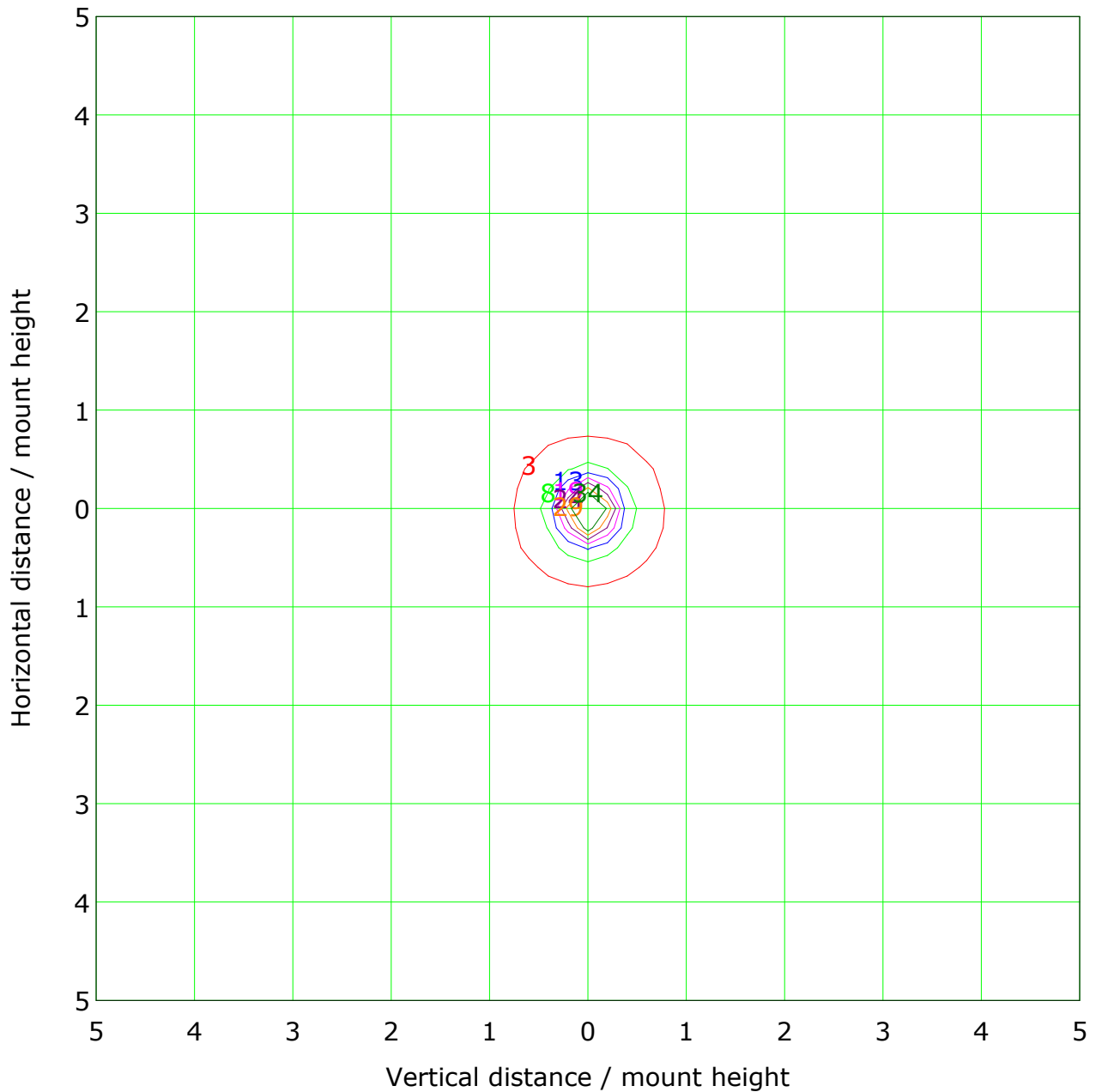
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 53.0 lx	
(5%): 2.6 lx	(15%): 7.9 lx
(25%): 13.2 lx	(35%): 18.5 lx
(45%): 23.8 lx	(55%): 29.1 lx
(65%): 34.4 lx	

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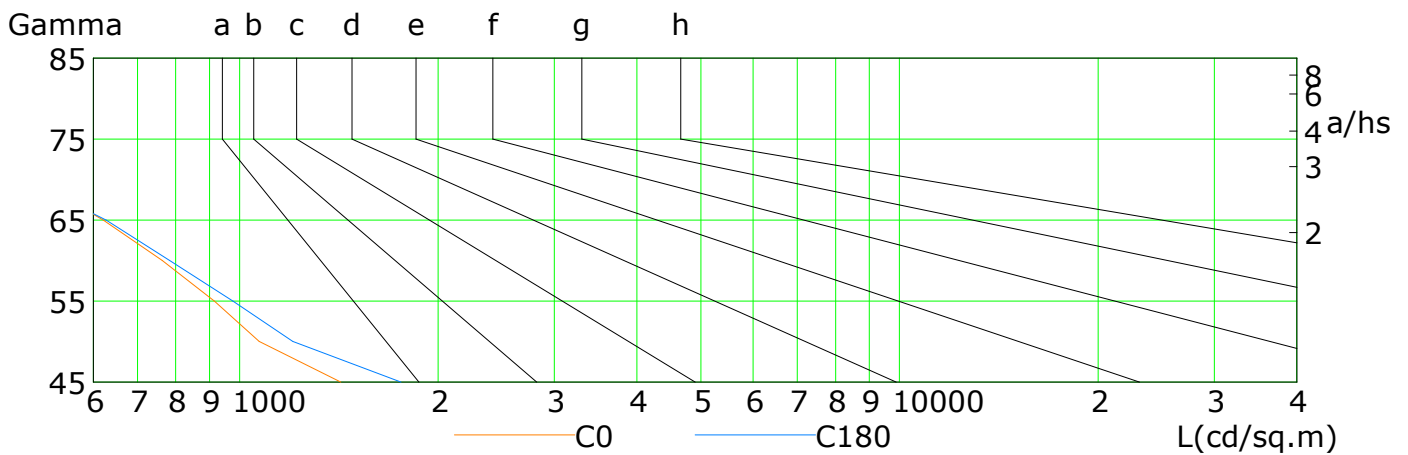
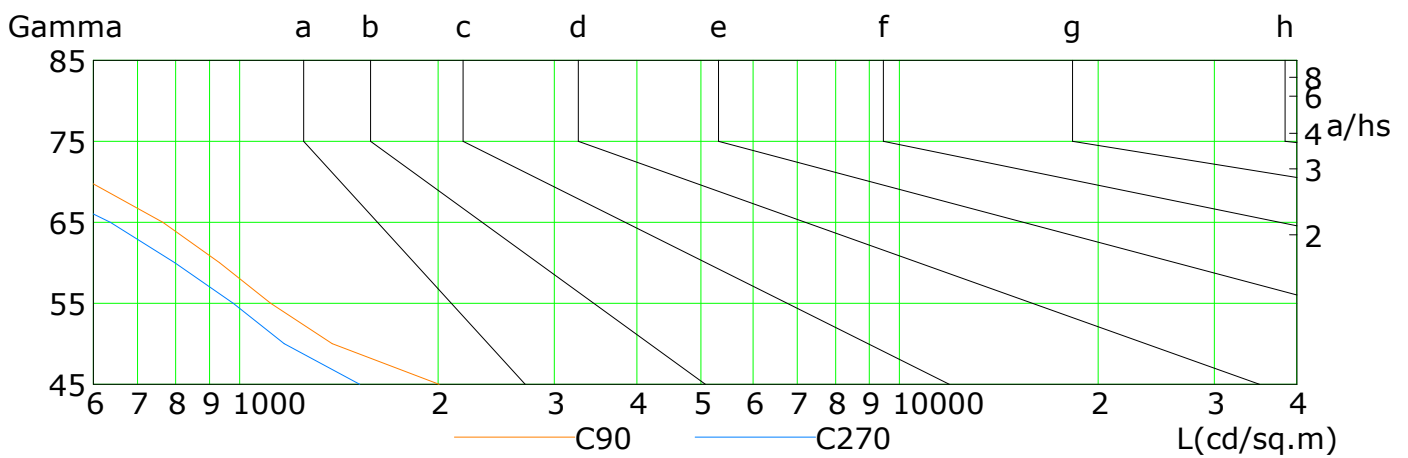
Humidity:

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	1423	1070	916	763	622	488	369	257	78
C90	2006	1381	1115	932	765	592	413	285	169
C180	1756	1204	977	783	628	476	360	264	151
C270	1520	1168	978	797	637	479	350	239	50

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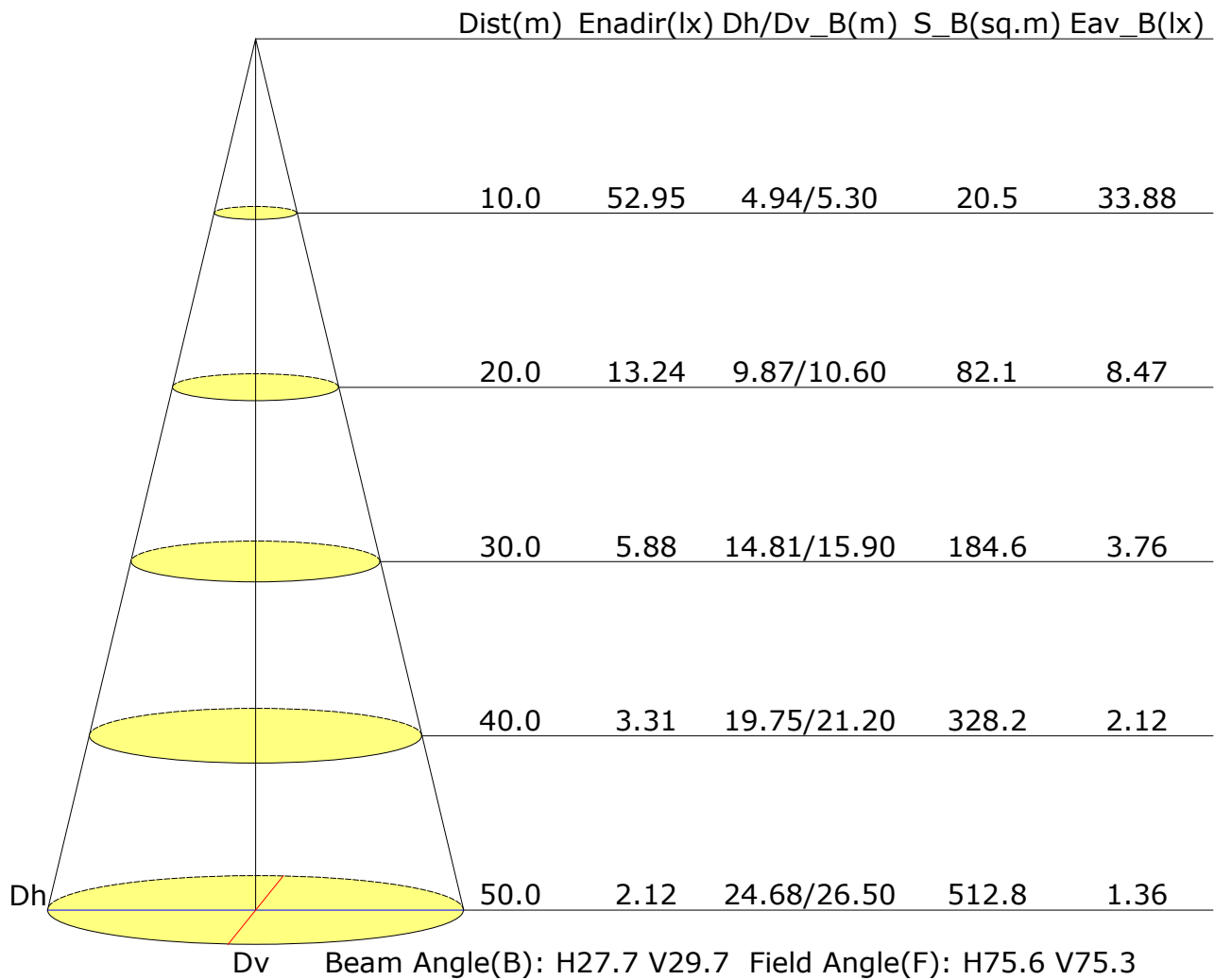
Test Device: LSG-1800B

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: