

Report No.: 1

Test Time: 22.09.2018 13:28

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 750 84LED 0,39A 26W Refond 32-34,5Lm 5000K microprism

Luminous Length (mm): 750

Luminous Width (mm): 115

Luminous Height (mm): 64

Voltage: 220.9

Current: 0.122

Power: 26.4 W

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3136.2 lm

Measurement Flux: 3136.2 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.6, 160.4, 152.4, 151.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 79.6, 82.6, 78.4, 78.3

Luminaire Efficacy Rating (LER): 118.85

Central Intensity: 1553.42 cd

Max. Intensity: 1567.1 cd

Pos of Max. Intensity: H90 V0

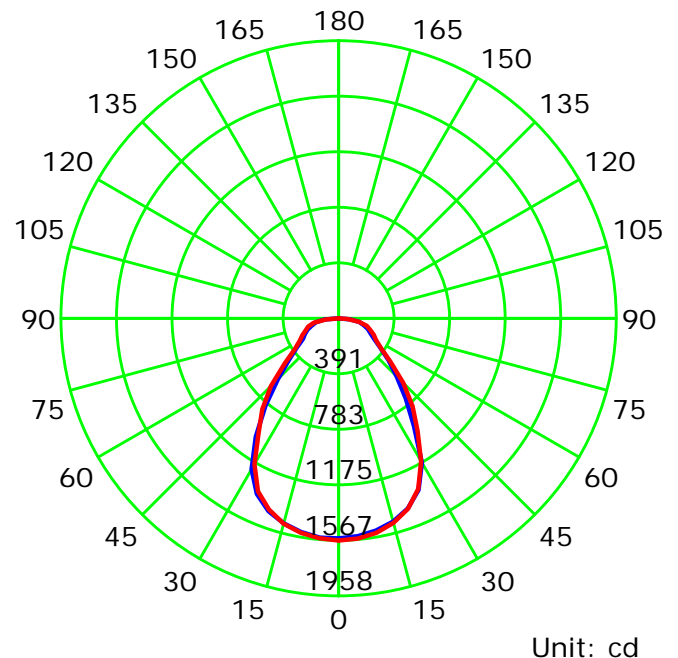
S/MH(C0/C180): 1.16

S/MH(C90/C270): 1.13

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Gamma Plane (°):0.0-180.0:5.0

Test Lab:

Test Device:

Test Type: TYPE C

Distance:

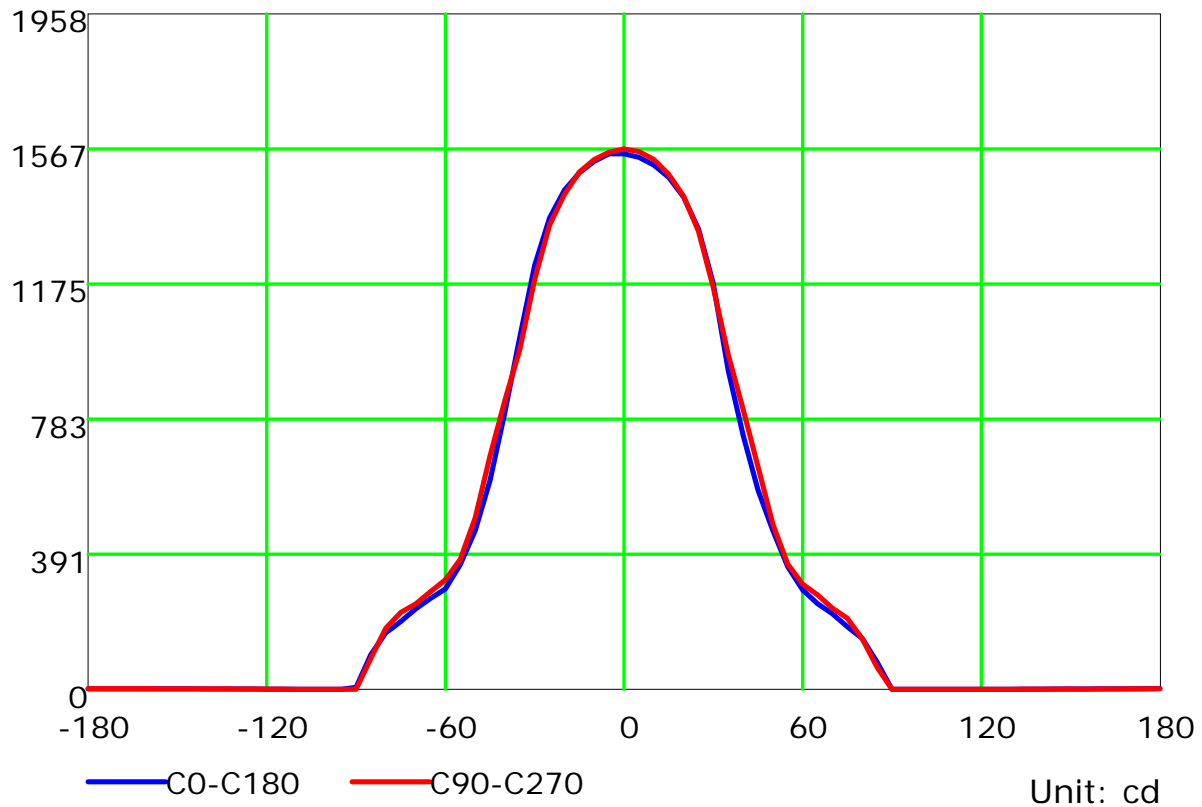
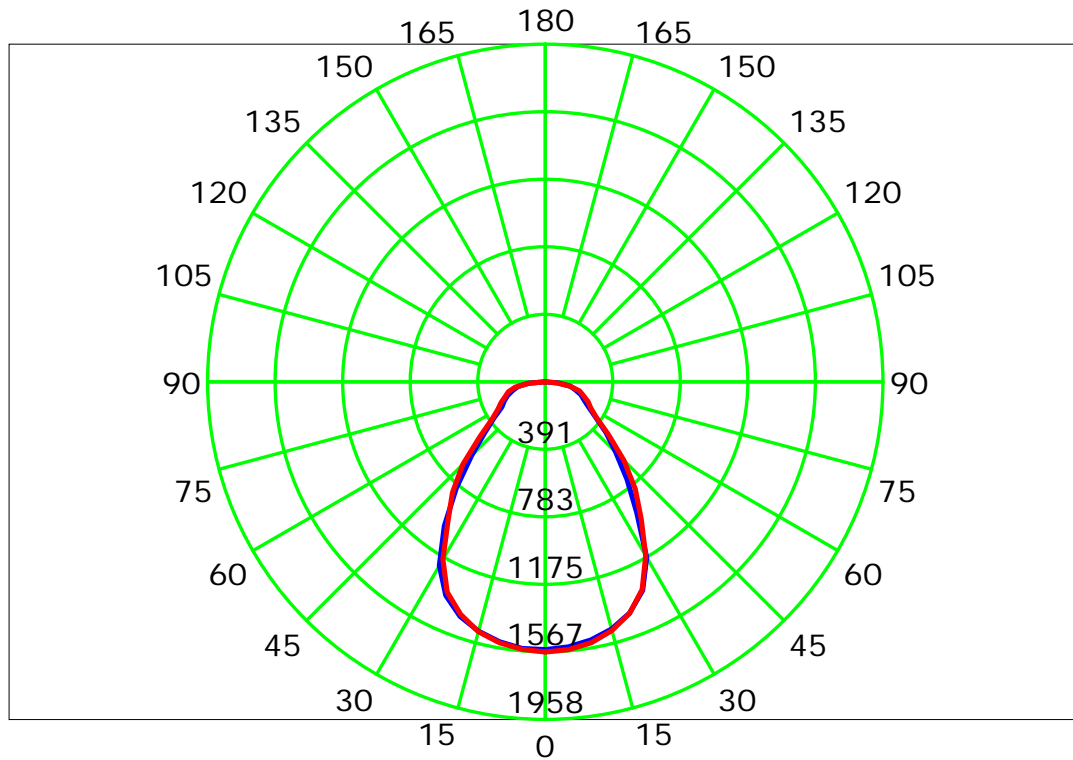
Temperature:

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

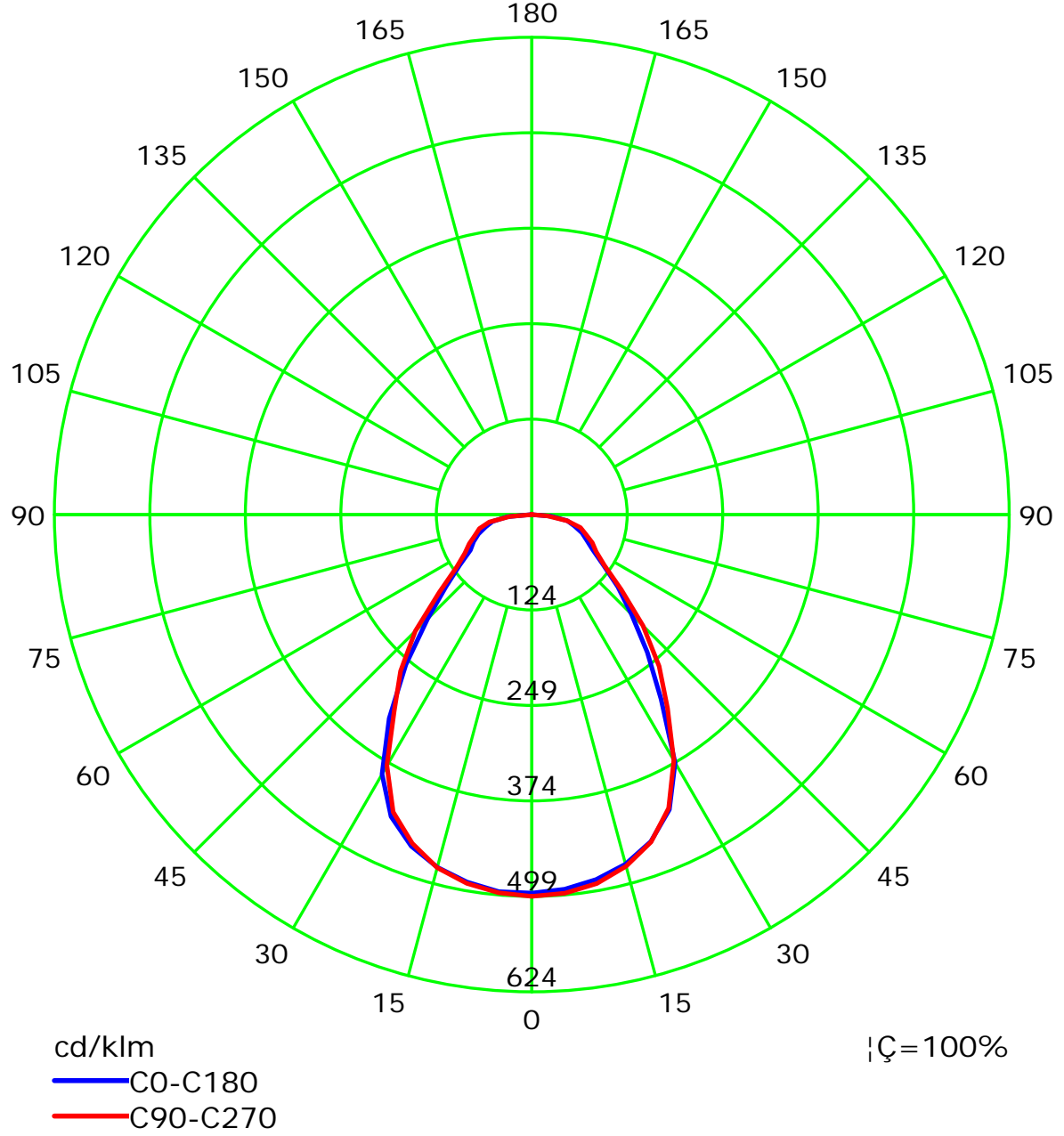
Test Device:

Distance:

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

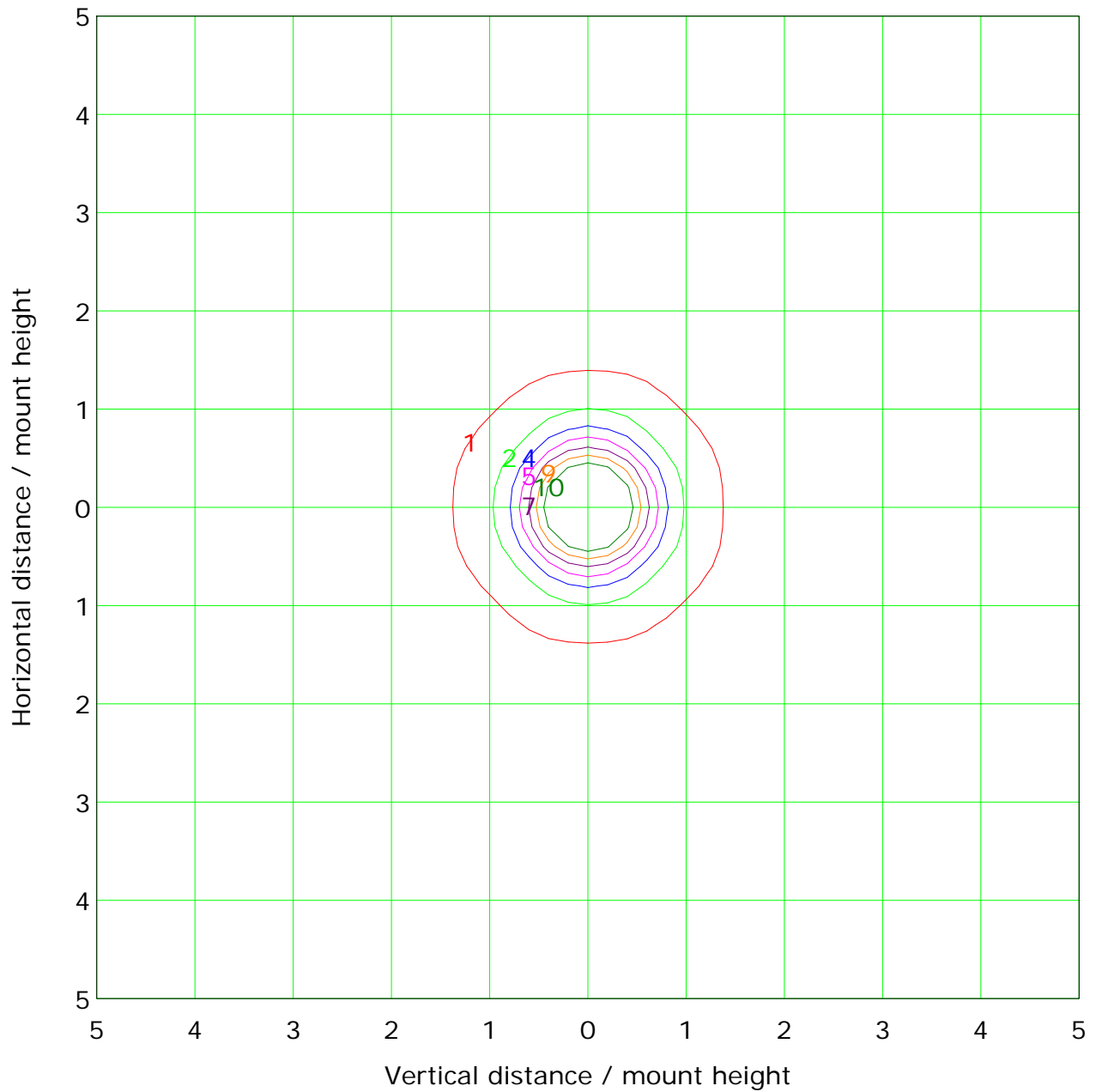
Test Device:

Distance:

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 15.7 lx

(5%): 0.8 lx	(15%): 2.4 lx
(25%): 3.9 lx	(35%): 5.5 lx
(45%): 7.1 lx	(55%): 8.6 lx
(65%): 10.2 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:

Distance:

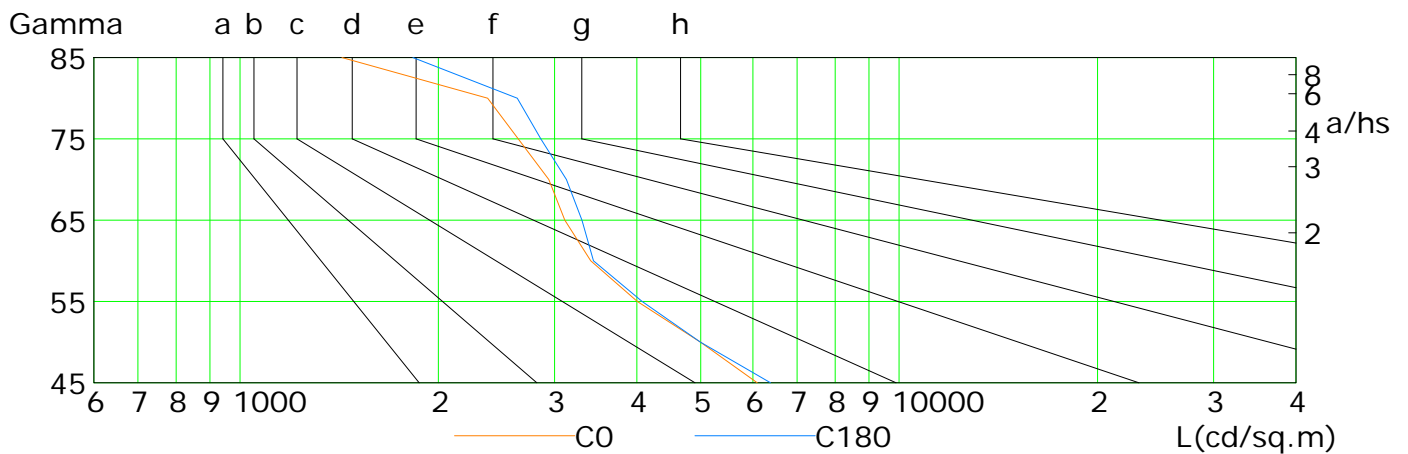
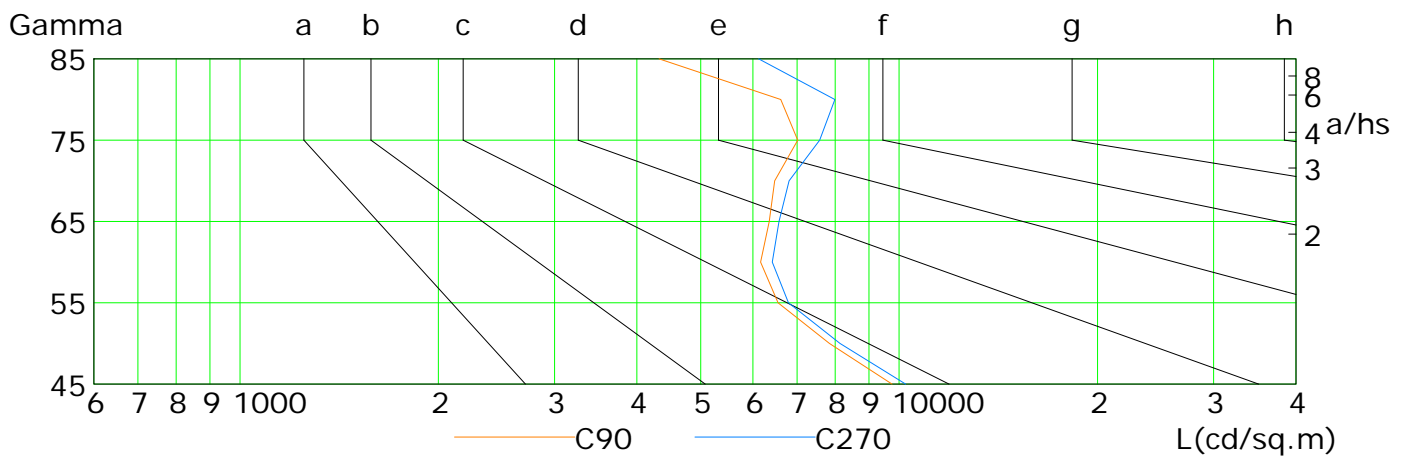
Humidity:

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	6090	4995	4007	3406	3110	2940	2644	2376	1428
C90	9757	7840	6549	6162	6353	6474	7016	6615	4323
C180	6381	4994	4076	3438	3302	3128	2860	2635	1829
C270	10227	8133	6794	6421	6573	6806	7575	7989	6122

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

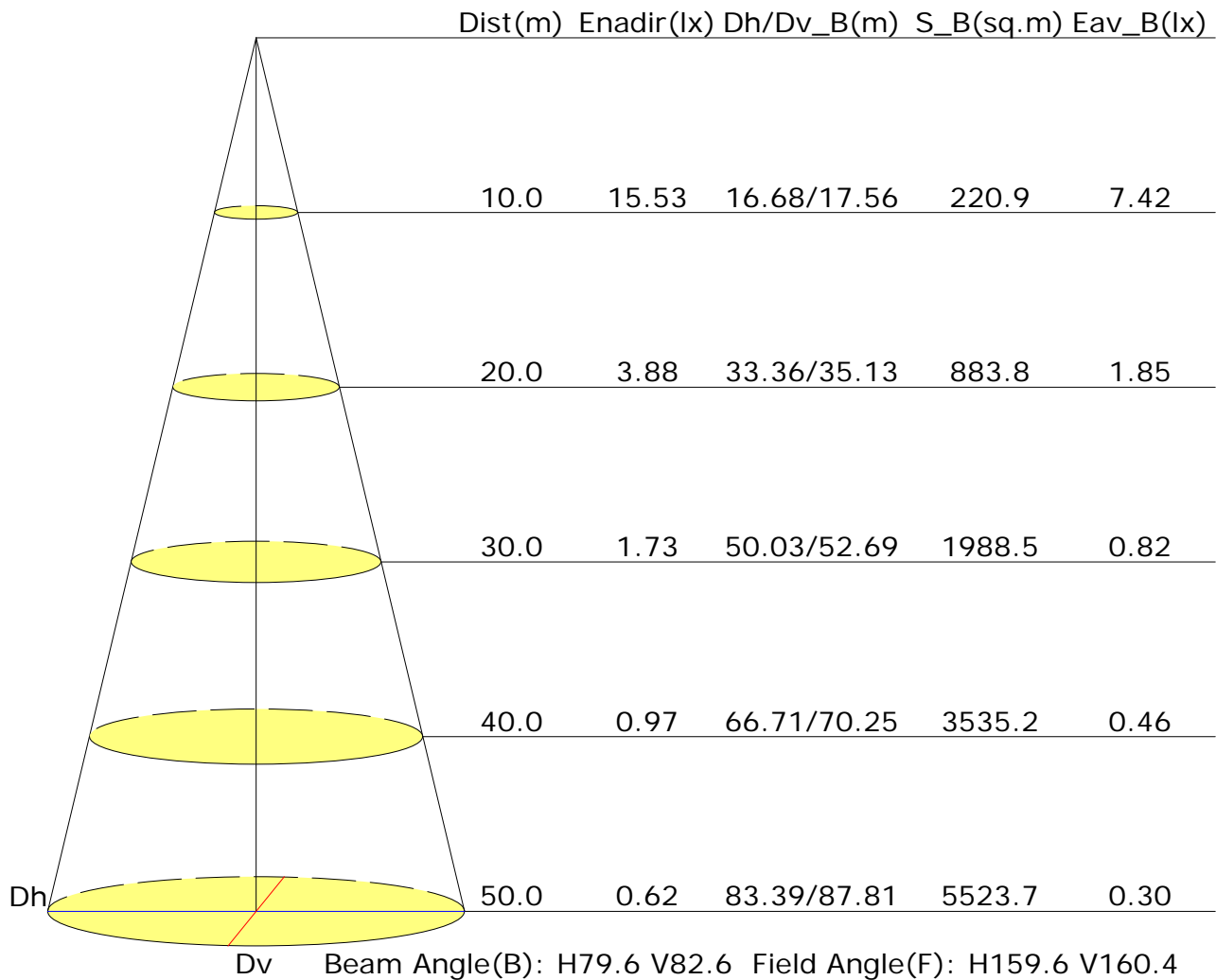
Test Device:

Distance:

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

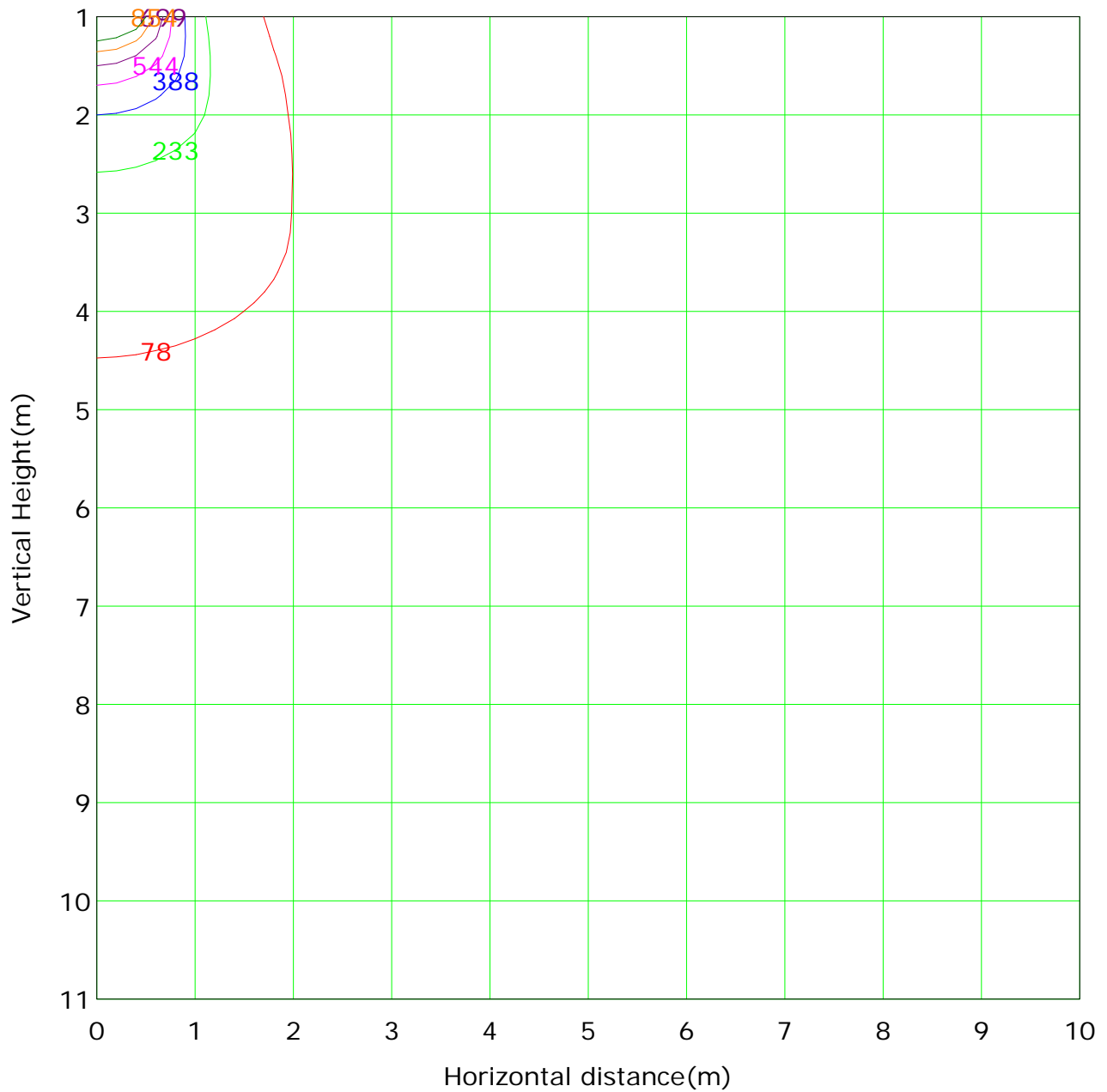
Test Device:

Distance:

Humidity:

Inspector:

Vertical IsoLux Plot



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:
 Distance:
 Humidity:
 Inspector: