

Report No.: 1

Test Time: 25.09.2018 12:37

Luminaire Property

Luminaire Manufacturer: FAROS

Luminaire Description: FL 500 A30 84LED 0,39A 19W Refond 32-34,5Lm 4000K

Lamp Description: LED

Luminous Width (mm): 90

Voltage: 221.5

Power: 18.69 W

Luminous Length (mm): 500

Luminous Height (mm): 80

Current: 0.089

Power Factor: 0.959

Photometric Results

CIE Class: Direct

Measurement Flux: 2063.4 lm

Downward Ratio: 92%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 169.7, 161.4, 163.9, 164.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.5, 107.4, 109.4, 112.7

Luminaire Efficacy Rating (LER): 110.45

Max. Intensity: 707.1 cd

S/MH(C0/C180): 1.27

Total Rated Lamp Lumens: 2063.4 lm

Efficiency: 100%

Upward Ratio: 8%

Central Intensity: 575.72 cd

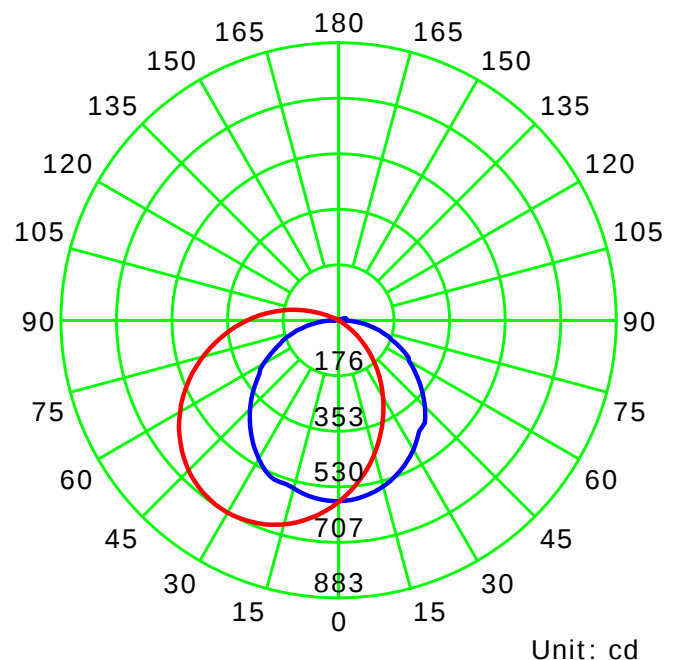
Pos of Max. Intensity: H270 V30

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

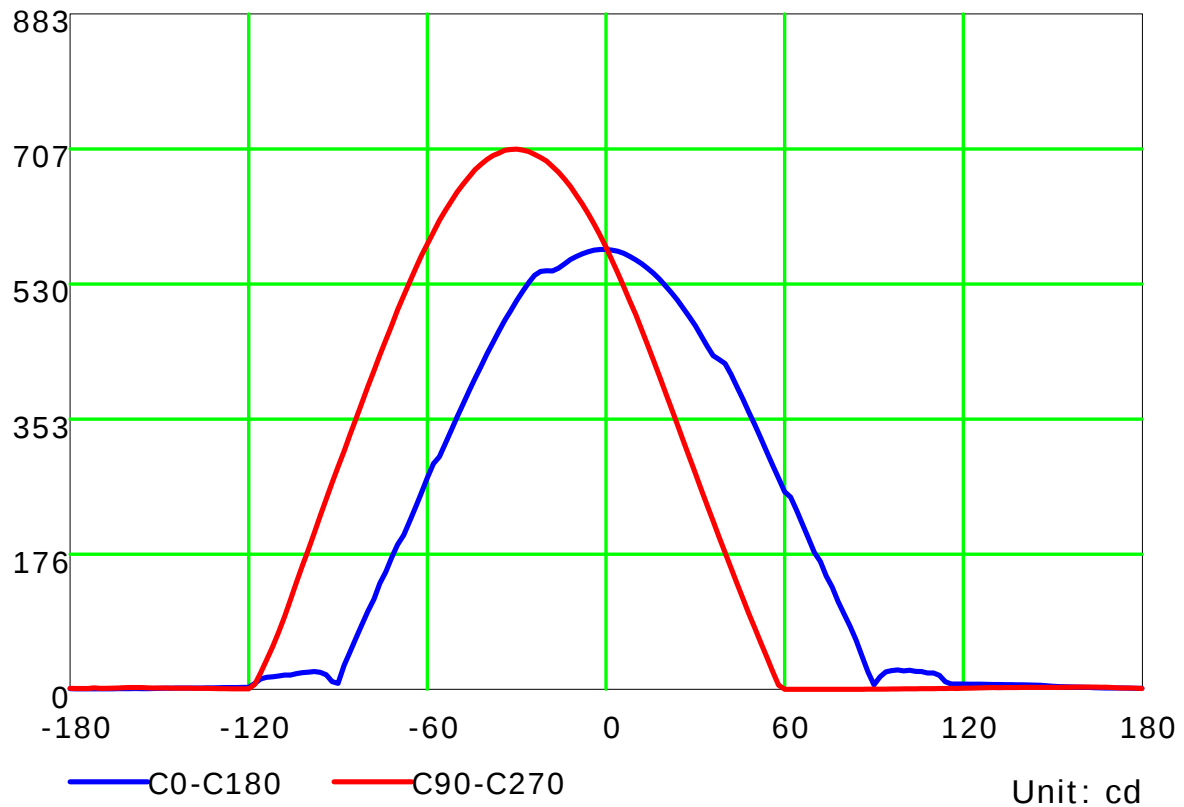
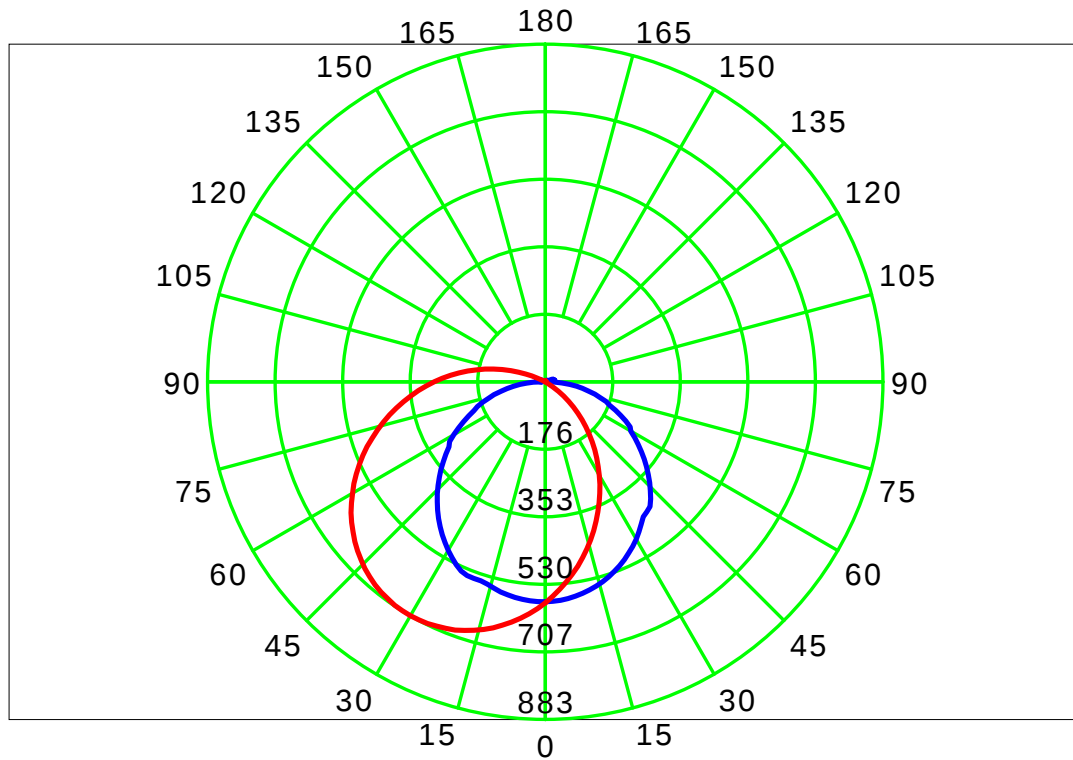
Test Device:

Distance:

Humidity:

Inspector:

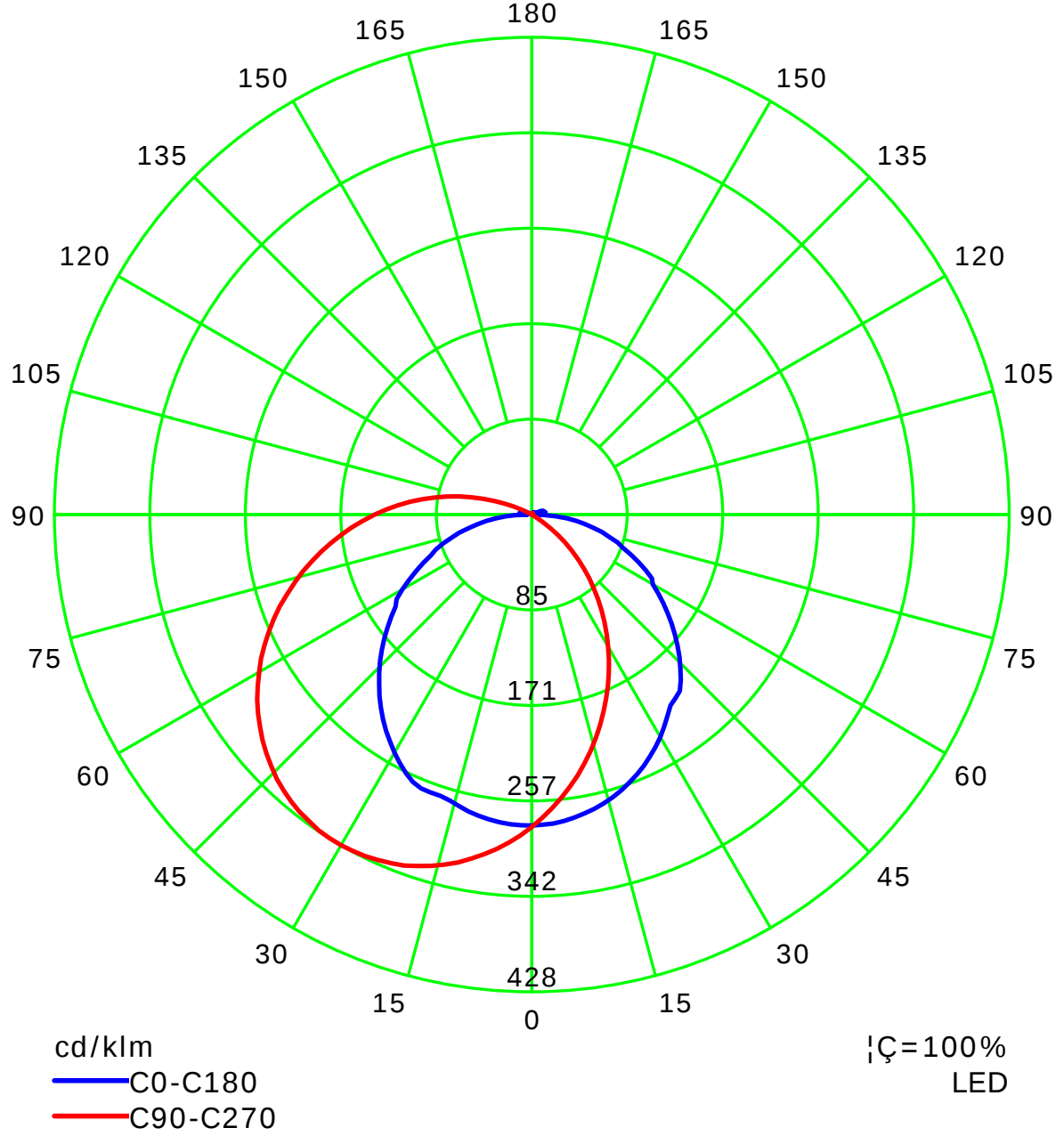
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:2.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

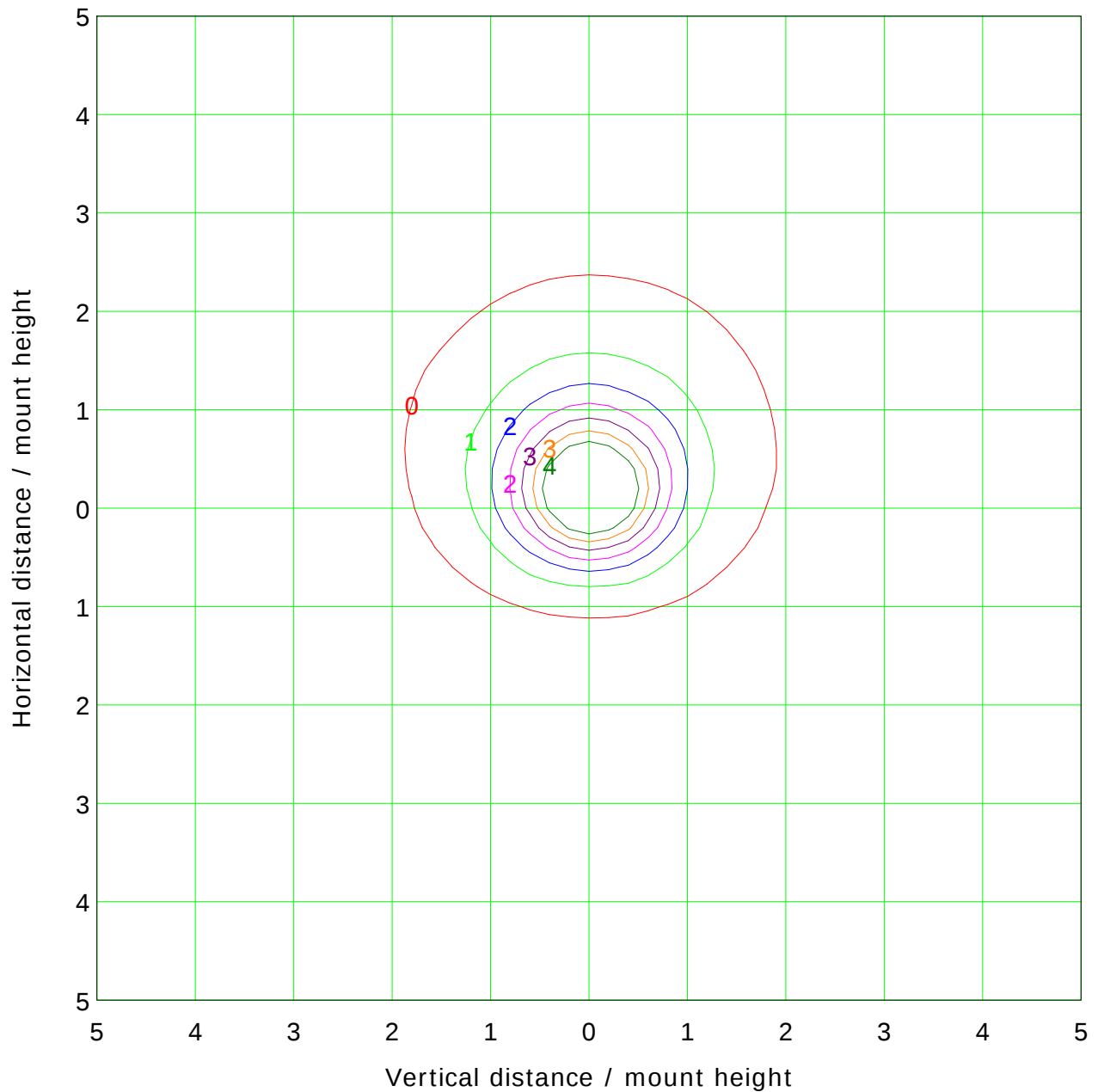
Test Device:

Distance:

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 6.2 lx

(5%): 0.3 lx	(15%): 0.9 lx
(25%): 1.5 lx	(35%): 2.2 lx
(45%): 2.8 lx	(55%): 3.4 lx
(65%): 4.0 lx	

C Plane (°):0.0-360.0: 10.0

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Test Device:

Distance:

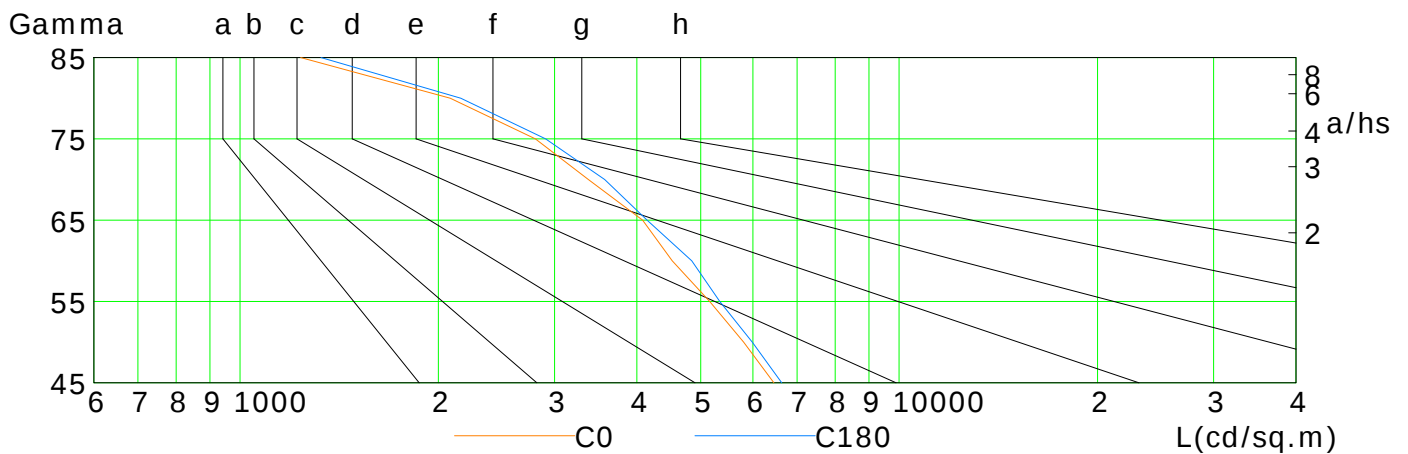
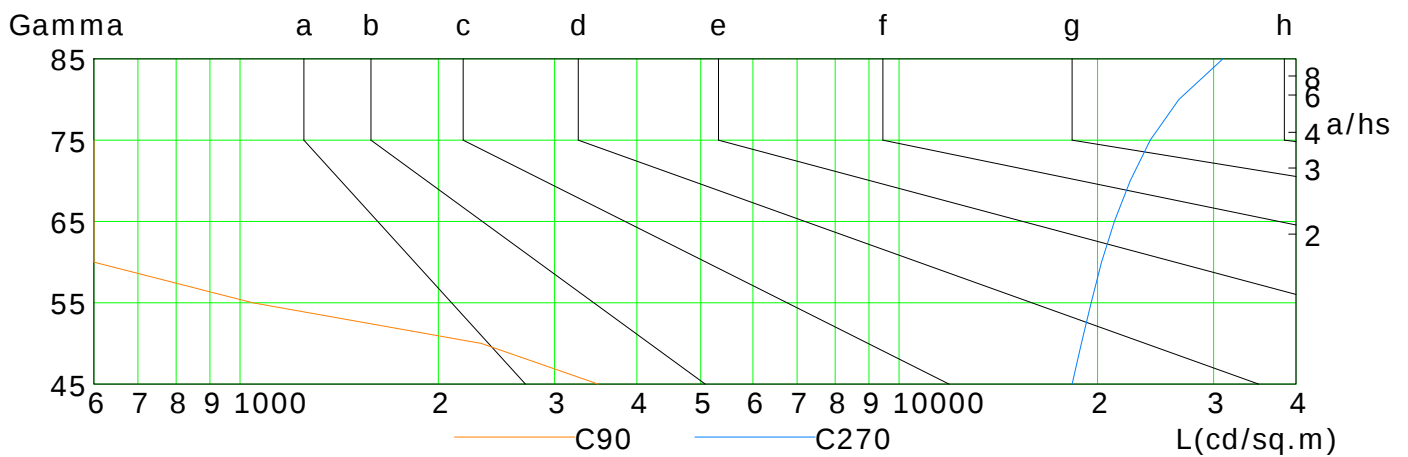
Humidity:

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	6456	5809	5159	4527	4081	3377	2806	2083	1236
C90	3494	2323	1045	0	0	0	0	6	16
C180	6637	5986	5344	4846	4145	3576	2908	2162	1327
C270	18300	18899	19554	20283	21210	22423	24035	26573	30992

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Operator:

Gamma Plane (°):0.0-180.0:2.0

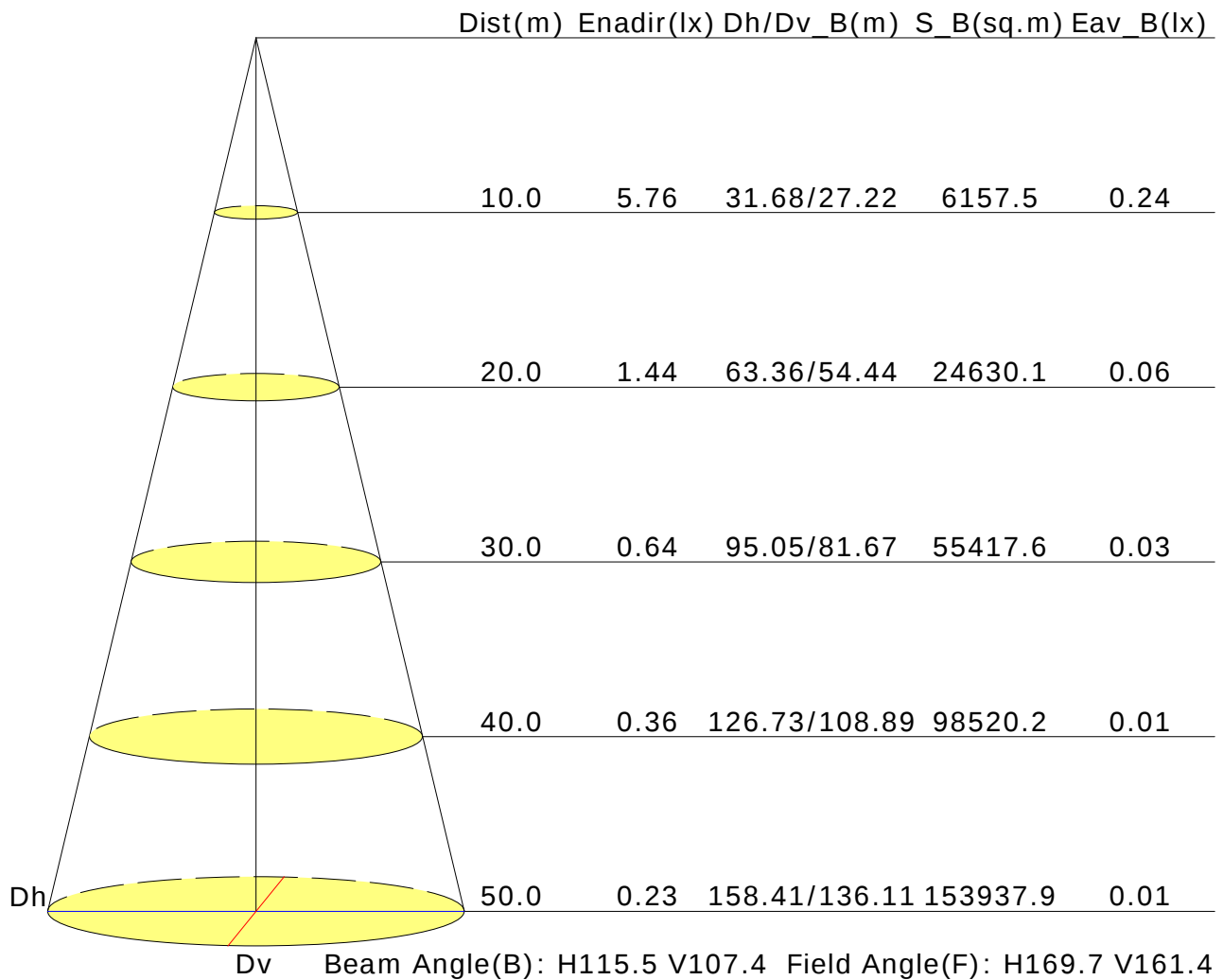
Test Device:

Distance:

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:2.0

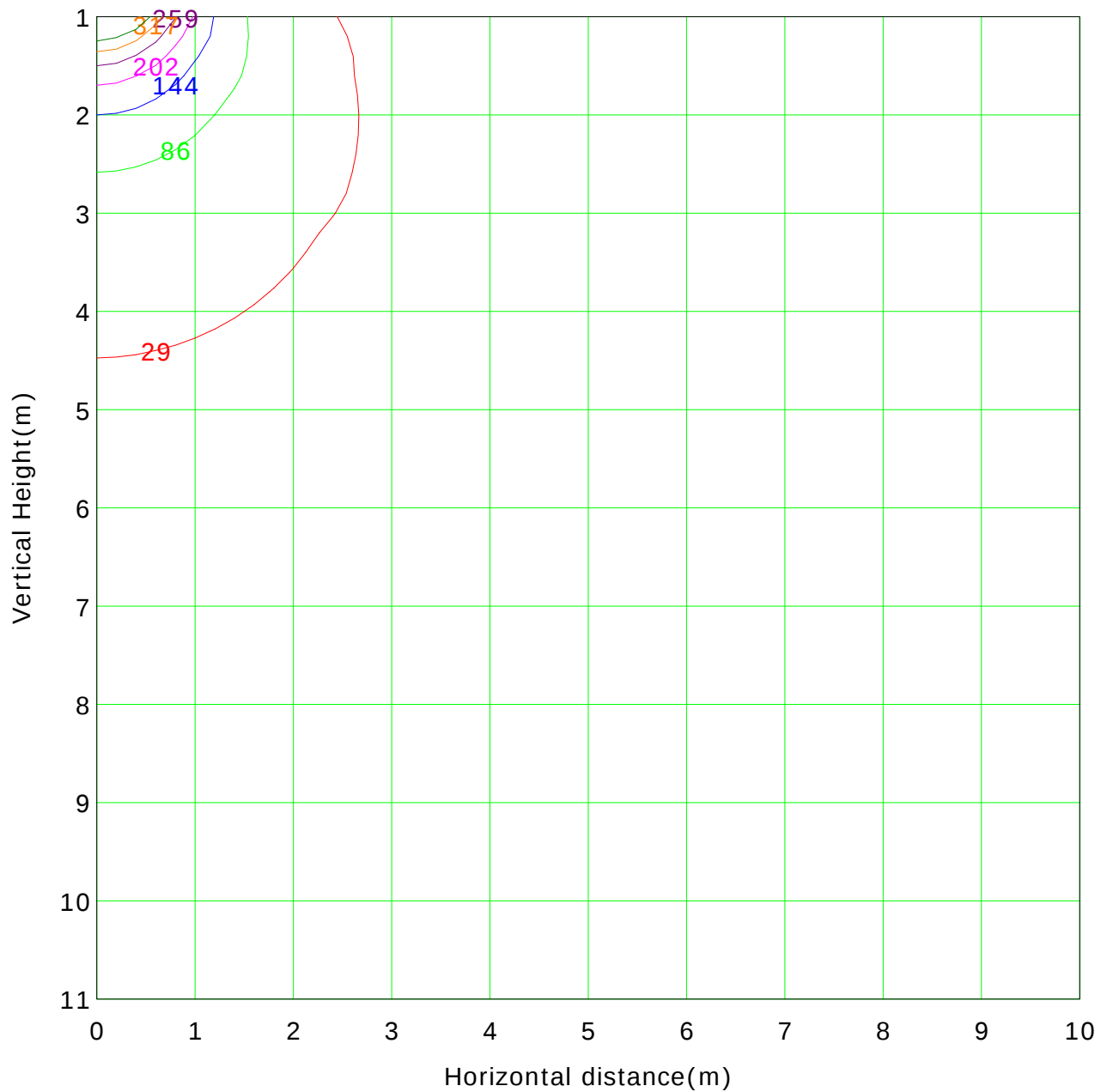
Test Device:

Distance:

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 575.7 lx

— (5%): 28.8 lx	— (15%): 86.4 lx
— (25%): 143.9 lx	— (35%): 201.5 lx
— (45%): 259.1 lx	— (55%): 316.6 lx
— (65%): 374.2 lx	

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 Test Device:
 Distance:
 Humidity:
 Inspector: