

Report No.:

Test Time: 26/09/2019 15:20

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-SL12-16 + PRD-16-FM

Lamp Description: F52-400-60822

Lumens per Lamp: 1007

Current: 0.608 A

Power Factor: 1.000

Number of Lamps: 1

Voltage: 24.0 V

Power: 14.59 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1007 lm

Downward Ratio: 99.56%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 160.5, 160.4, 160.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.8, 109.3, 110.1, 110.0

Luminaire Efficacy Rating (LER): 69.07

Max. Intensity: 362.11 cd

S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 1007.0 lm

Efficiency: 100.00%

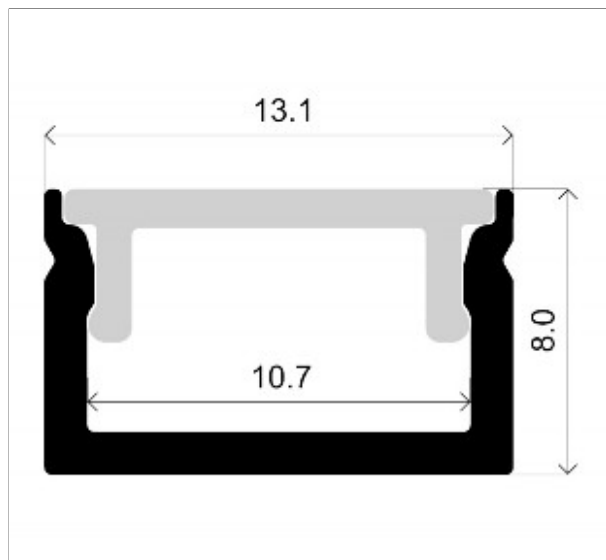
Upward Ratio: 0.44%

Central Intensity: 361.99 cd

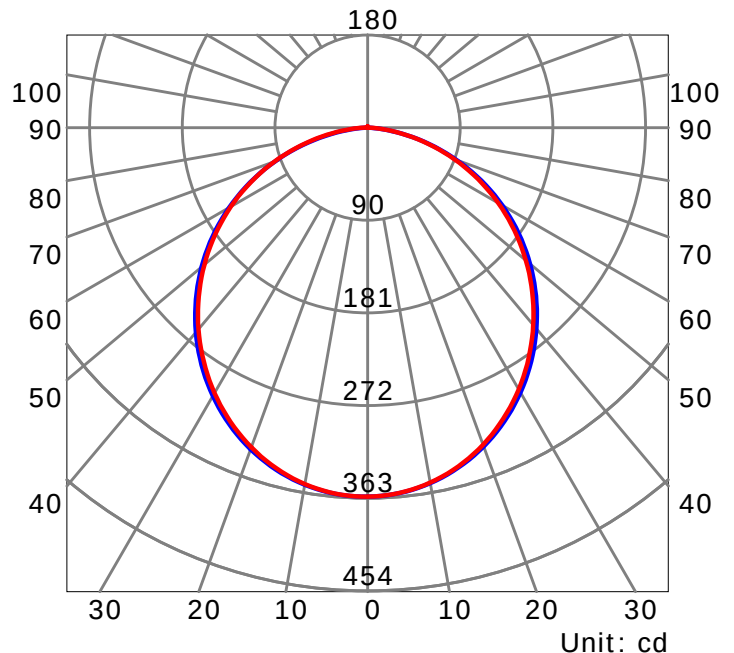
Pos of Max. Intensity: H190 V1

S/MH(C90/C270): 1.23

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 (°):0.0-180.0:1.0

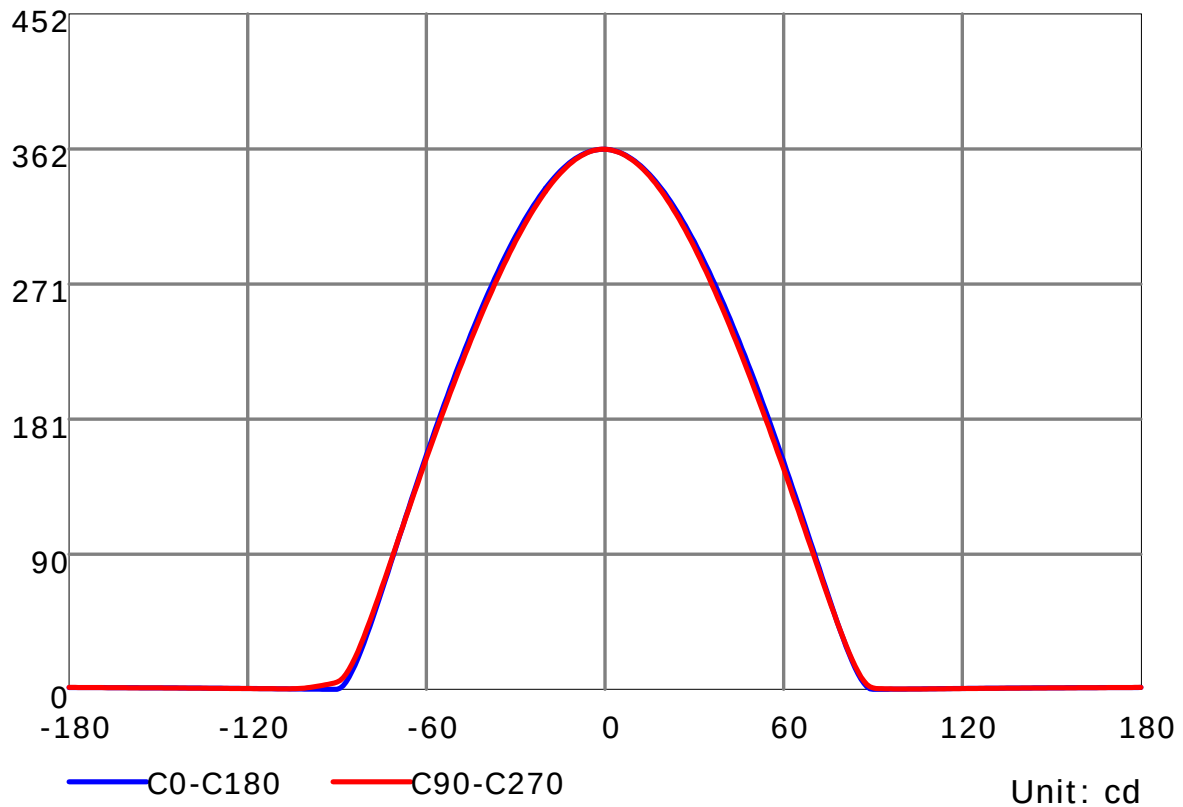
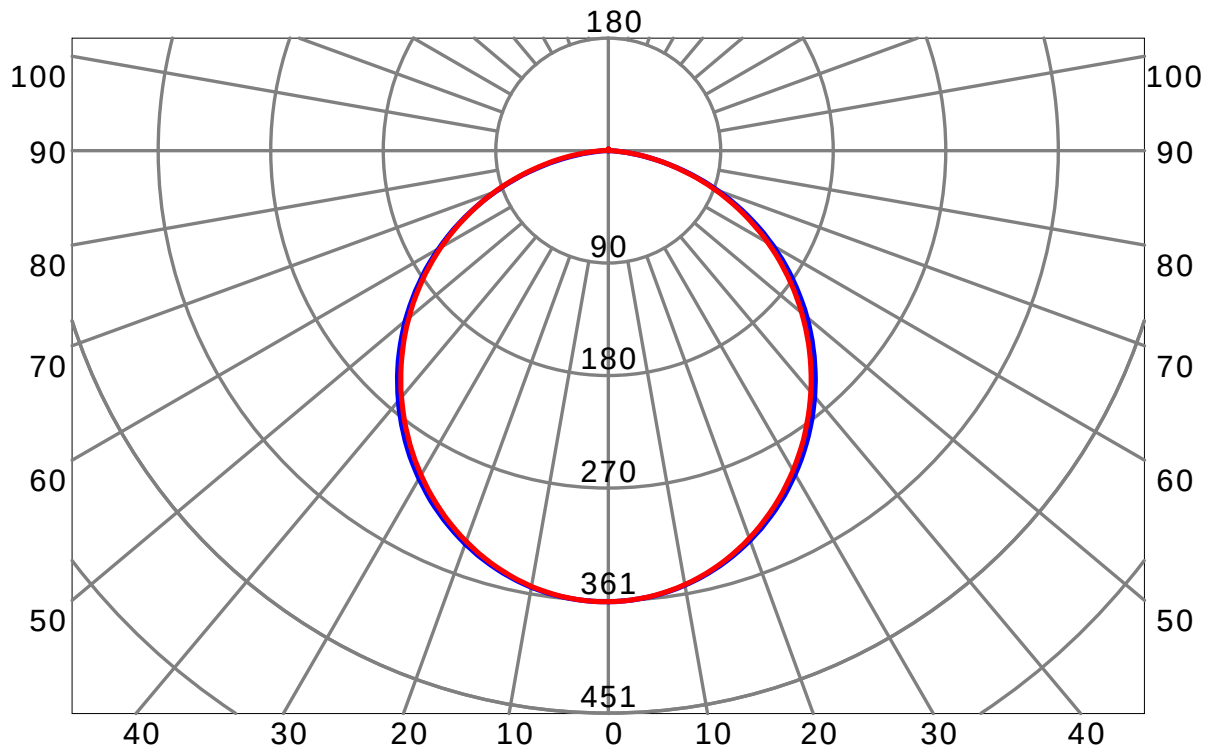
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

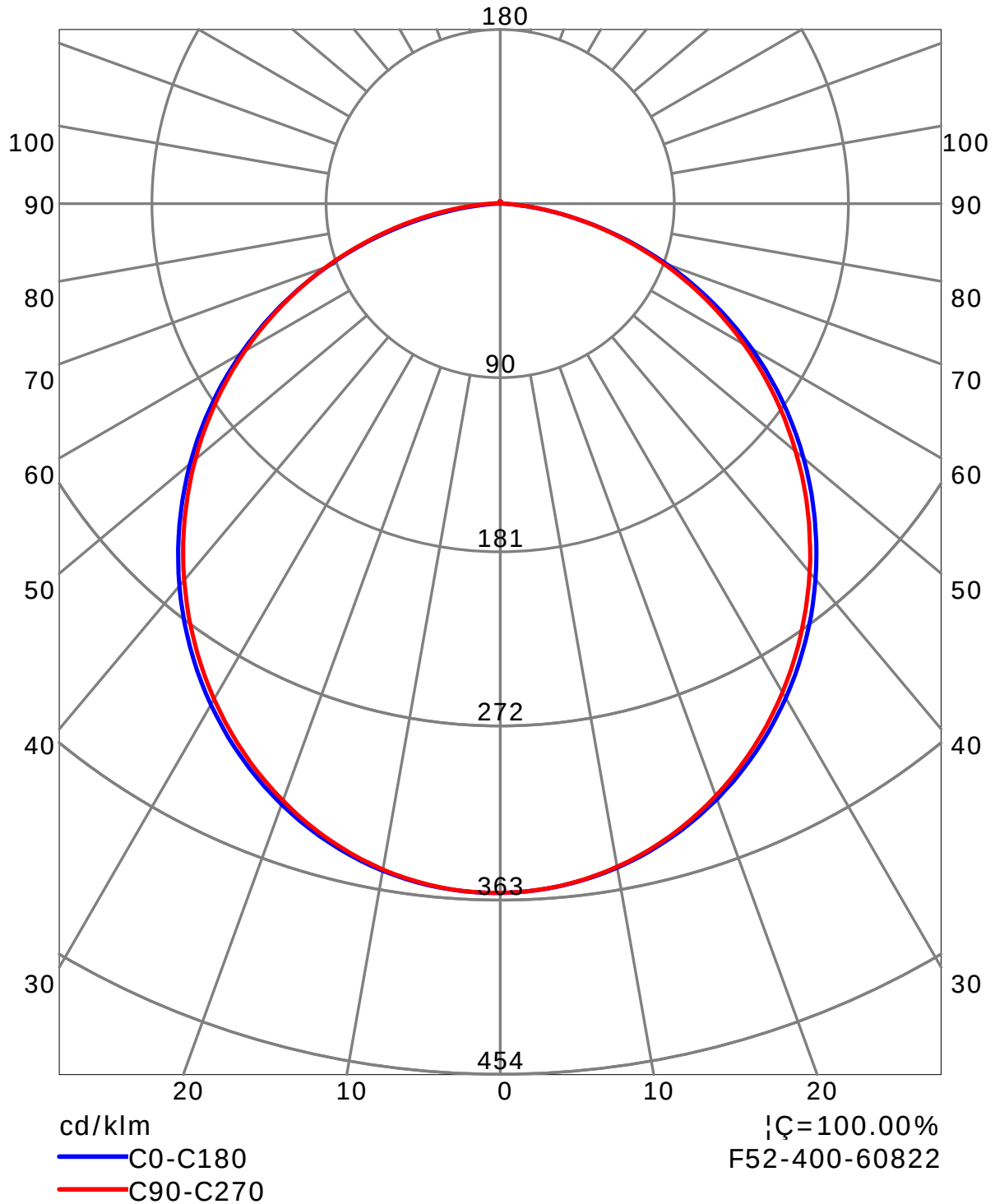
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

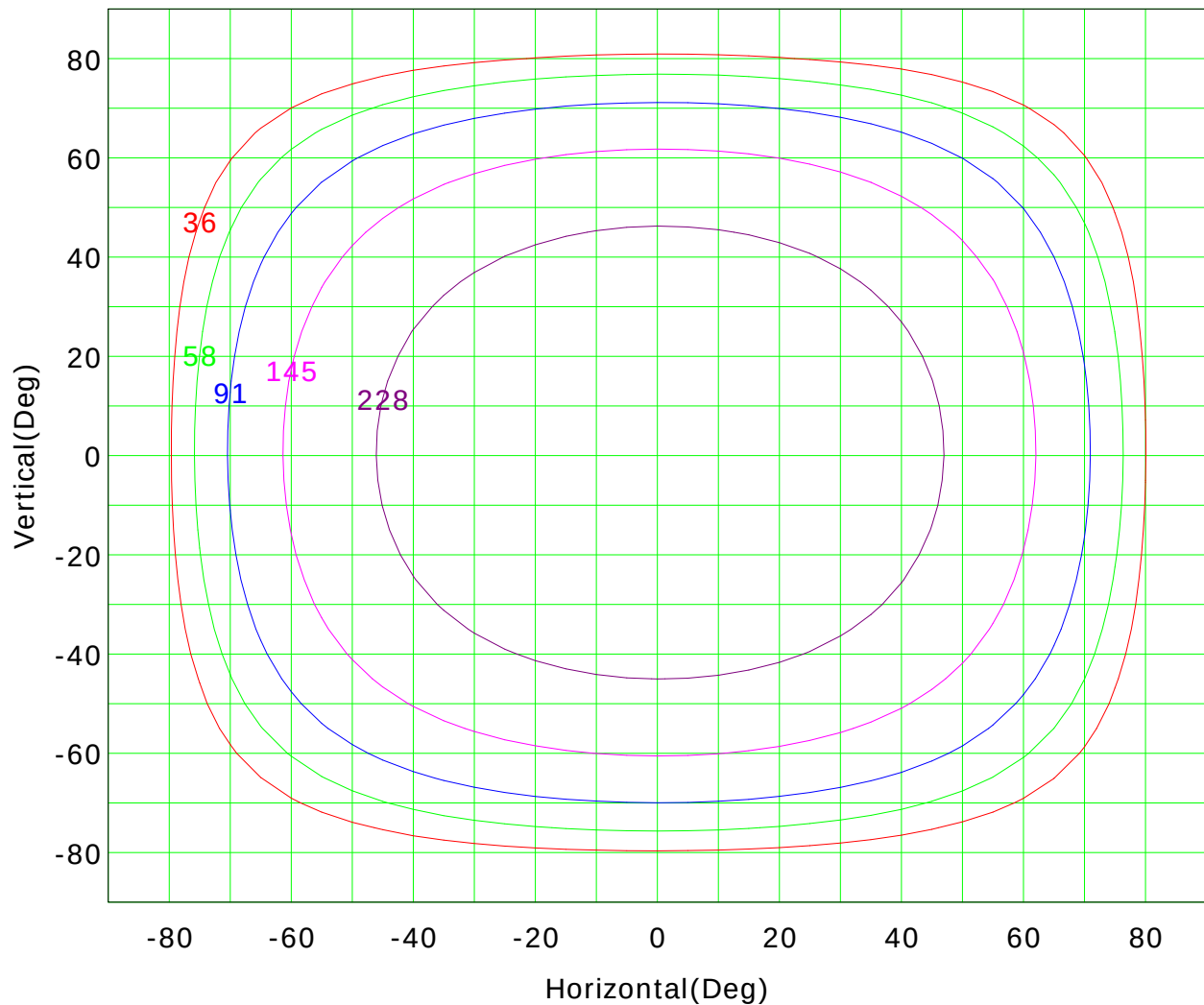
Luminous Intensity Distribution Curve(cd / klm)



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-2000
Distance: 7.970 m
Humidity:
Inspector:

Isocandela (rectangle)



I_{max} (100%): 362 cd

(10%):	36 cd	(16%):	58 cd
(25%):	91 cd	(40%):	145 cd
(63%):	228 cd	(100%):	362 cd

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

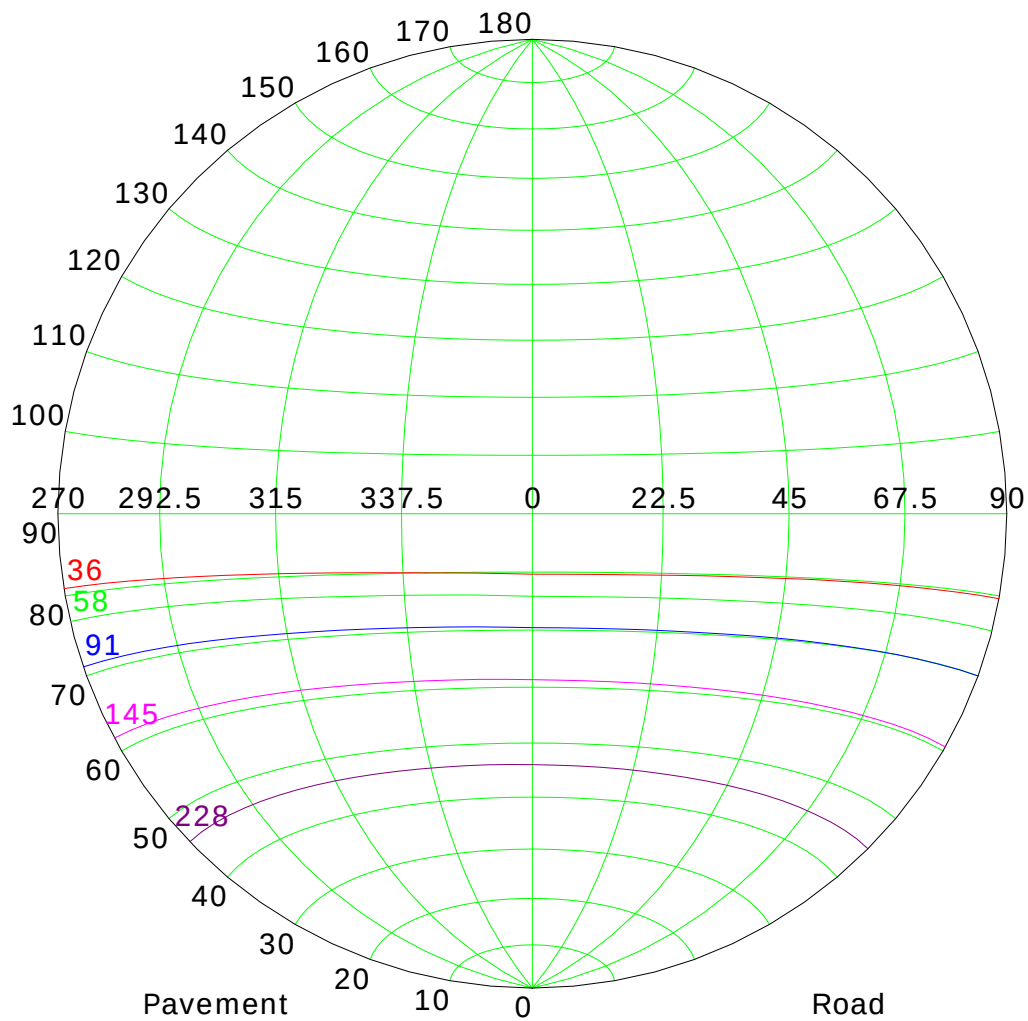
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 362 cd

(10%):	36 cd	(16%):	58 cd
(25%):	91 cd	(40%):	145 cd
(63%):	228 cd	(100%):	362 cd

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

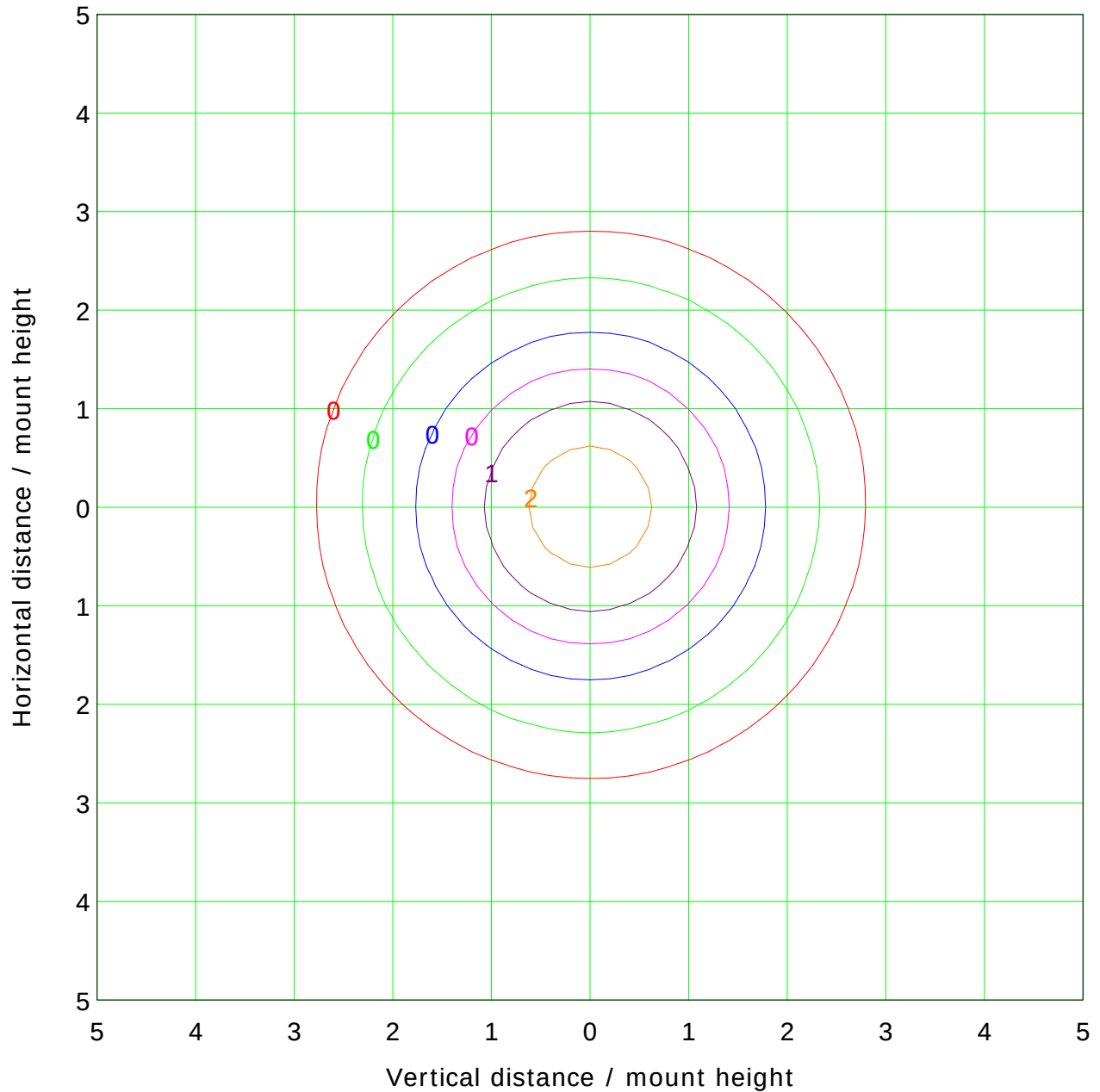
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.6 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.7 lx	(50%): 1.8 lx
(100%): 3.6 lx	

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-2000

Distance: 7.970 m

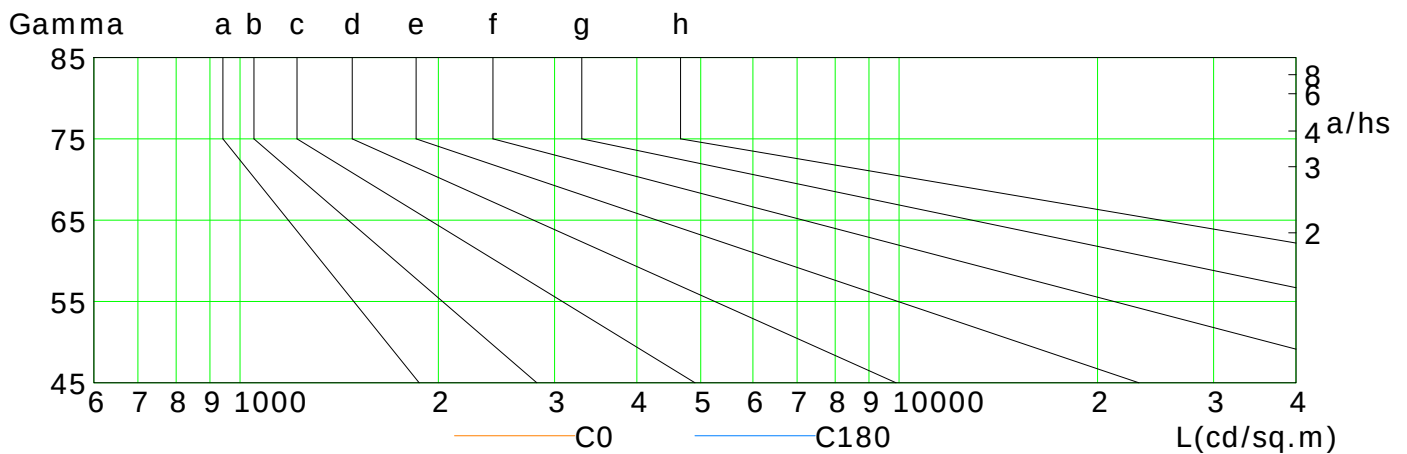
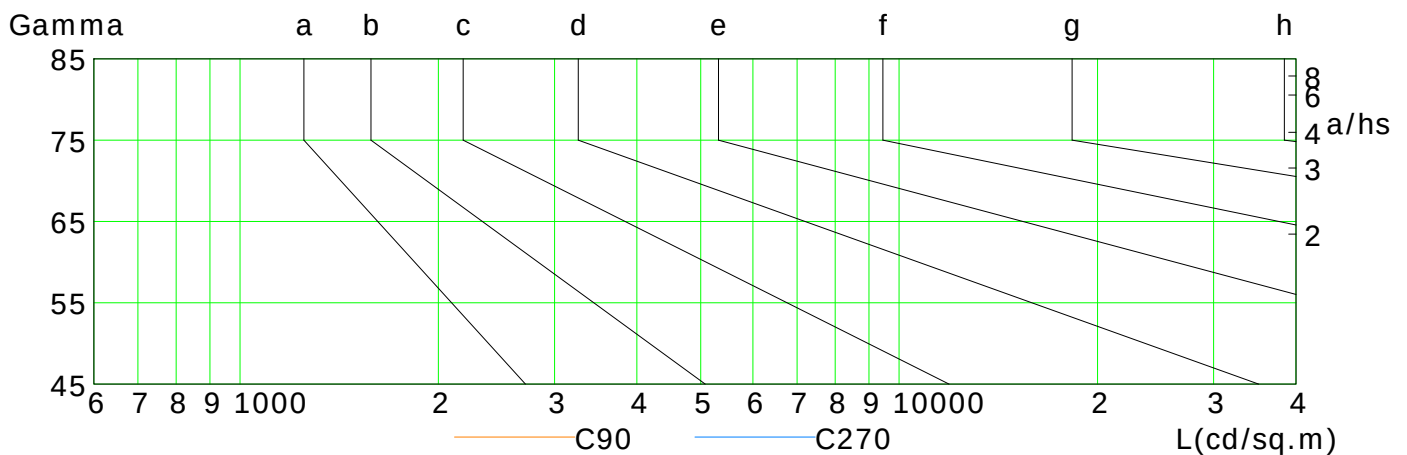
Humidity:

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	234	208	181	153	123	93	63	34	10
C90	228	203	176	148	120	90	62	34	12
C180	238	213	185	157	127	97	66	37	12
C270	234	209	183	155	126	97	68	40	17

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

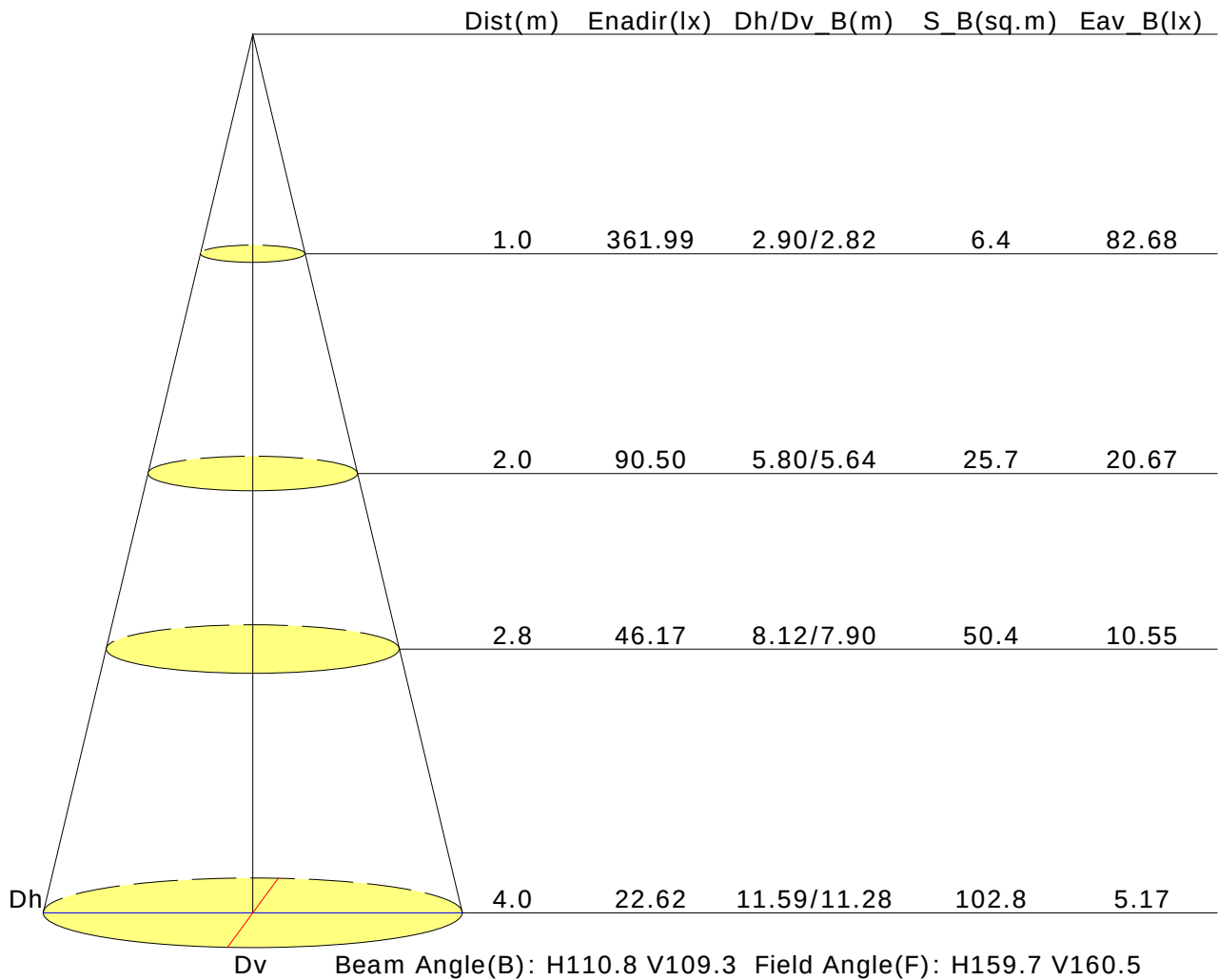
Test Device: GPM-2000

Distance: 7.970 m

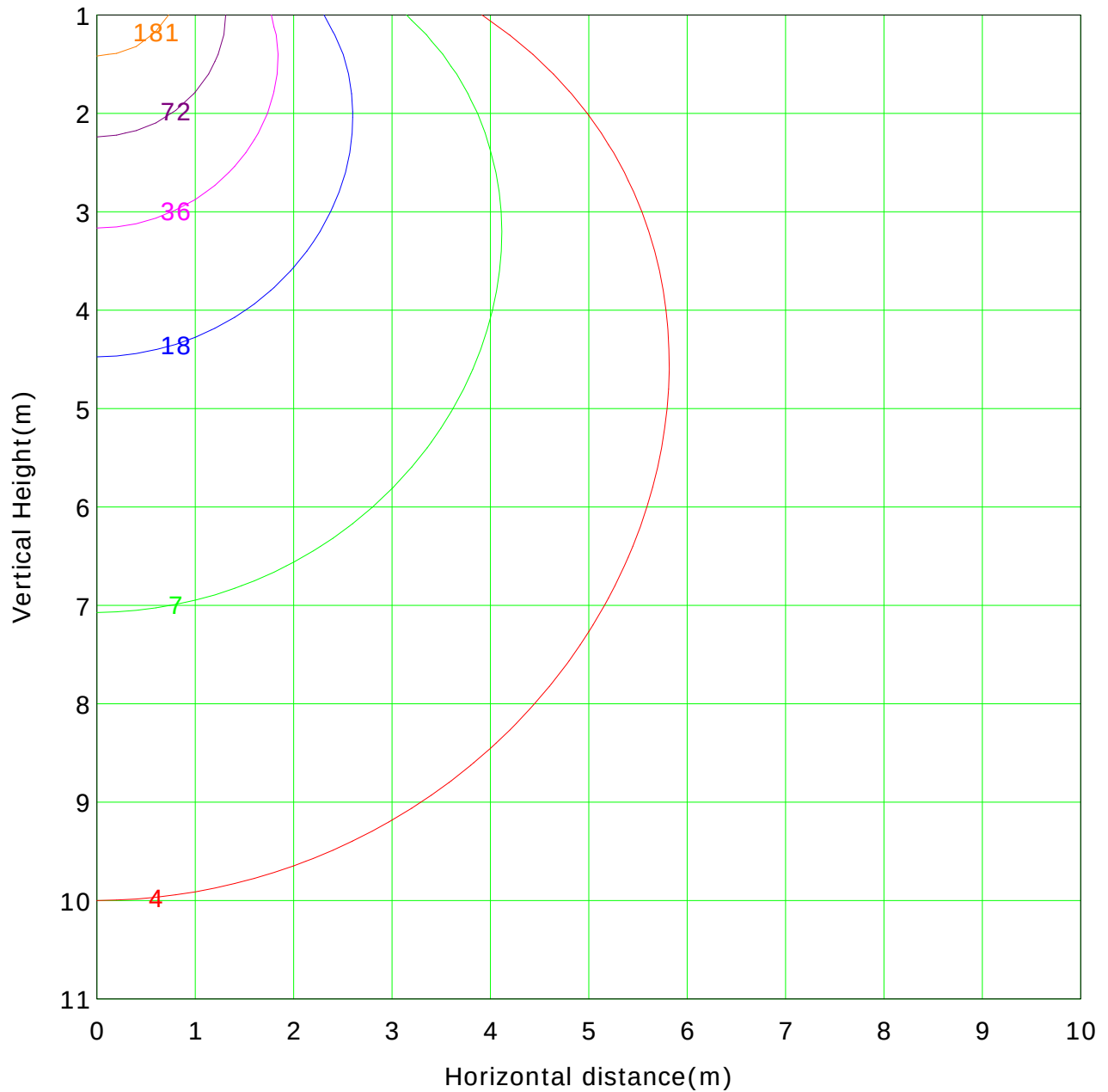
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 362.0 lx

— (1%): 3.6 lx	— (2%): 7.2 lx
— (5%): 18.1 lx	— (10%): 36.2 lx
— (20%): 72.4 lx	— (50%): 181.0 lx
— (100%): 362.0 lx	