

Report No.:

Test Time: 01/10/2018 17:06

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-SL09-12 + LLD-12-WM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.581 A

Power: 13.93 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1078.9 lm

Downward Ratio: 68.07%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 68.33%

Upward Ratio: 0.26%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 162.0, 161.3, 160.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.4, 111.1, 111.4, 111.2

Luminaire Efficacy Rating (LER): 77.50

Central Intensity: 383.5 cd

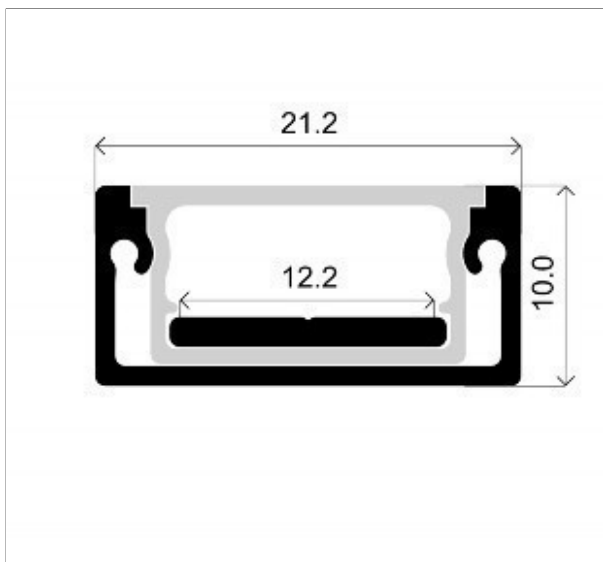
Max. Intensity: 383.5 cd

Pos of Max. Intensity: H0 V0

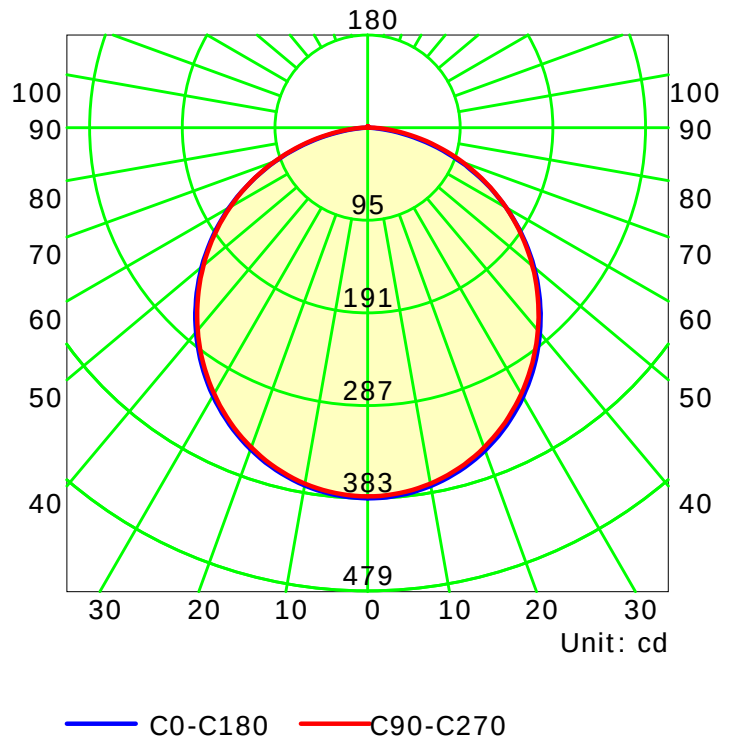
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

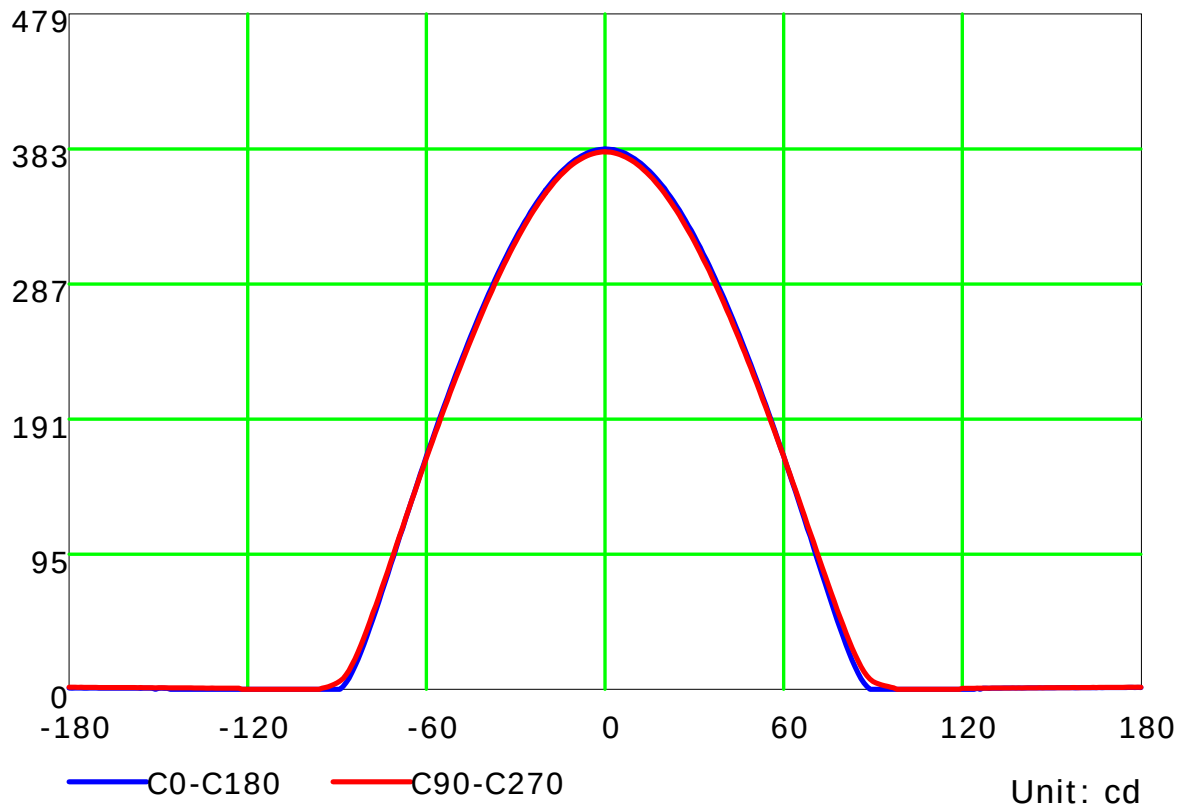
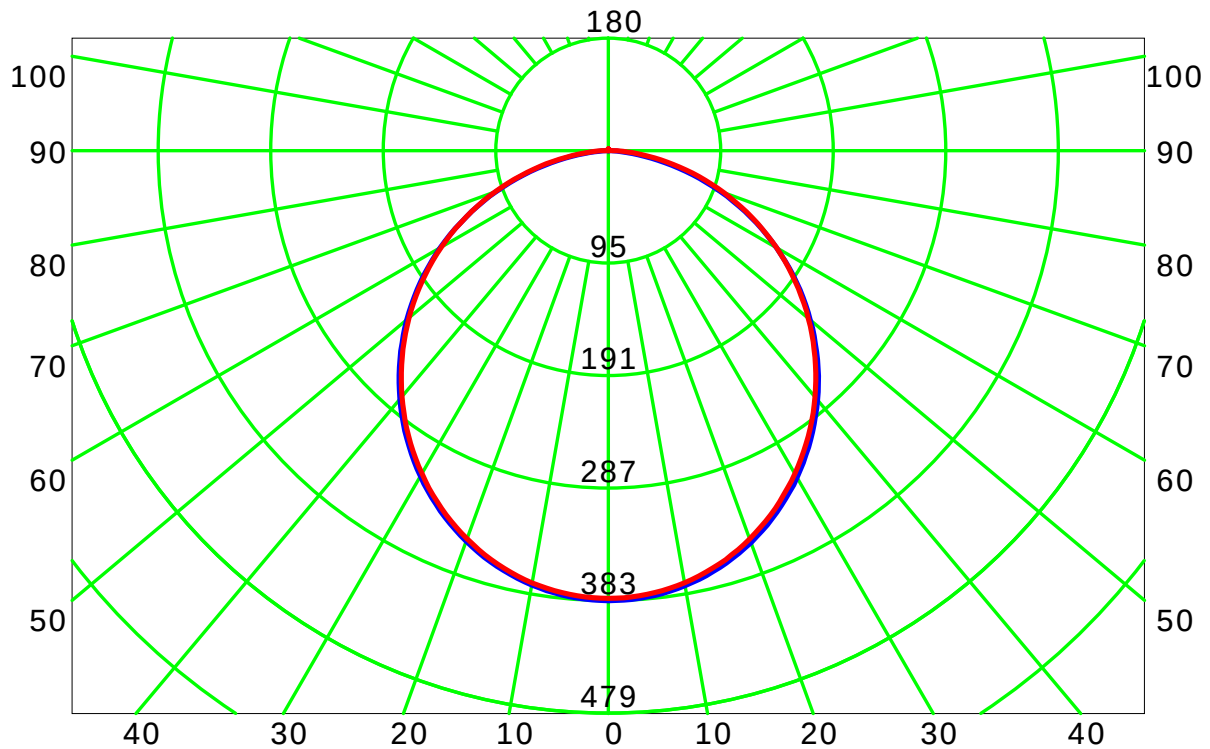
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

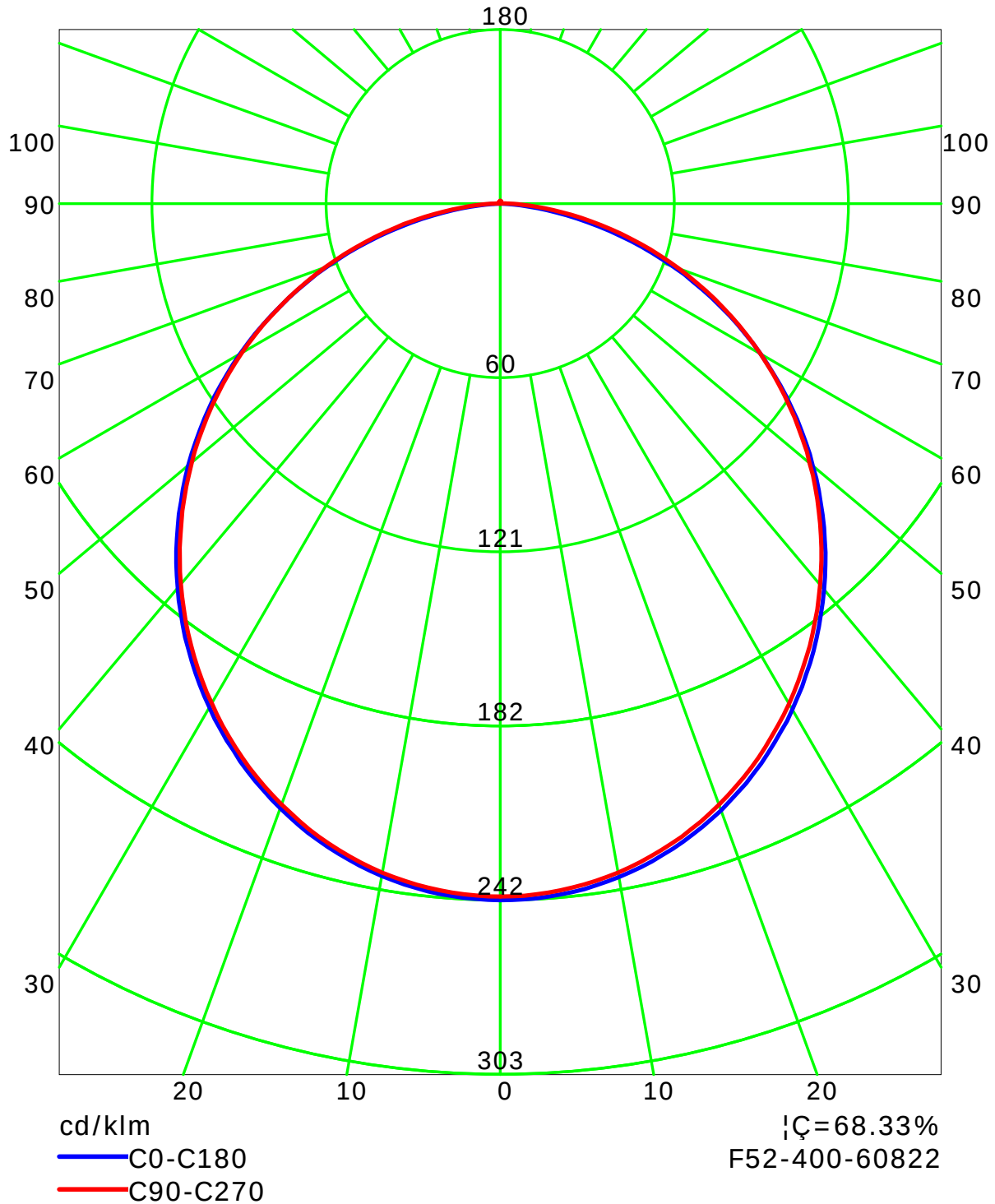
Luminous Intensity Distribution Curve



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

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

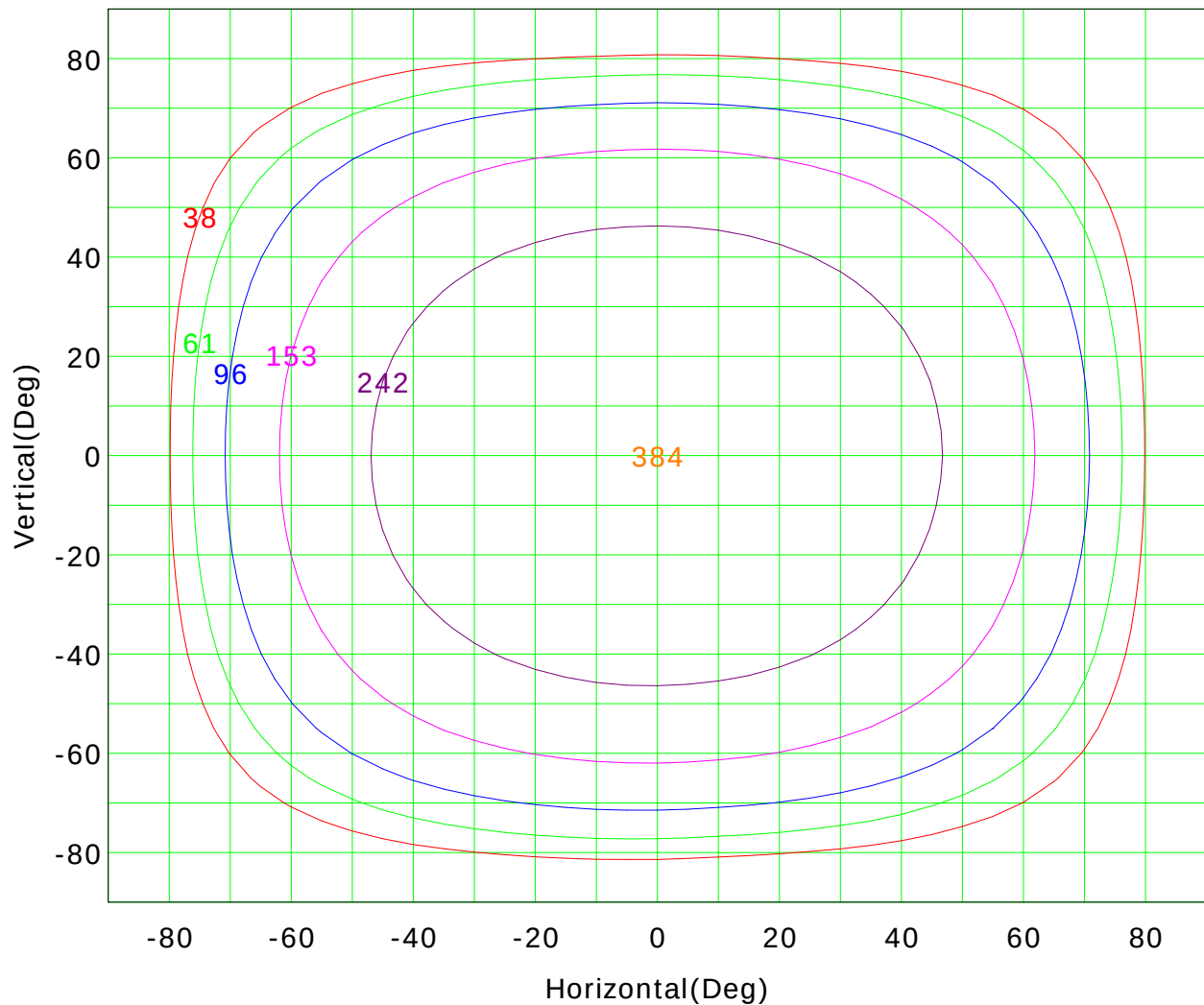
Luminous Intensity Distribution Curve(cd / klm)



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%): 384 cd

(10%):	38 cd	(16%):	61 cd
(25%):	96 cd	(40%):	153 cd
(63%):	242 cd	(100%):	384 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

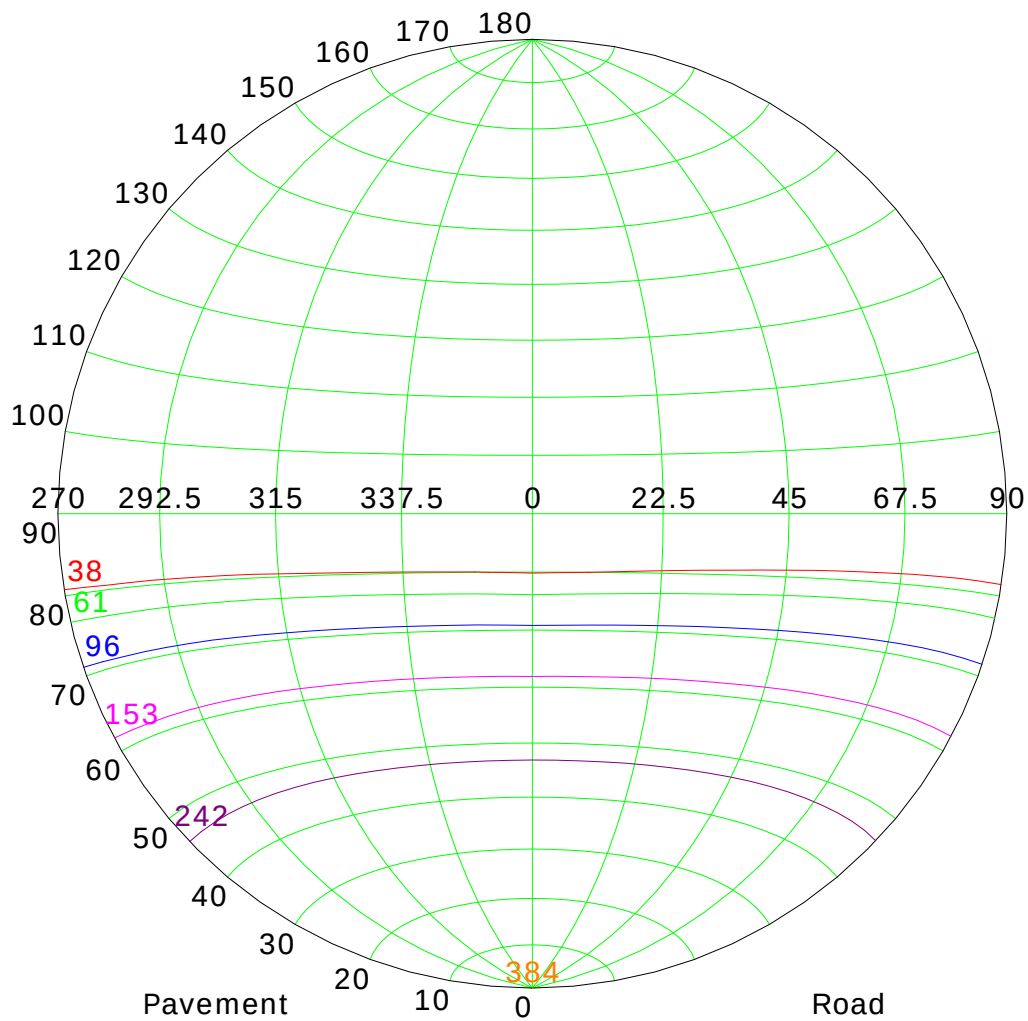
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 384 cd

(10%):	38 cd	(16%):	61 cd
(25%):	96 cd	(40%):	153 cd
(63%):	242 cd	(100%):	384 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

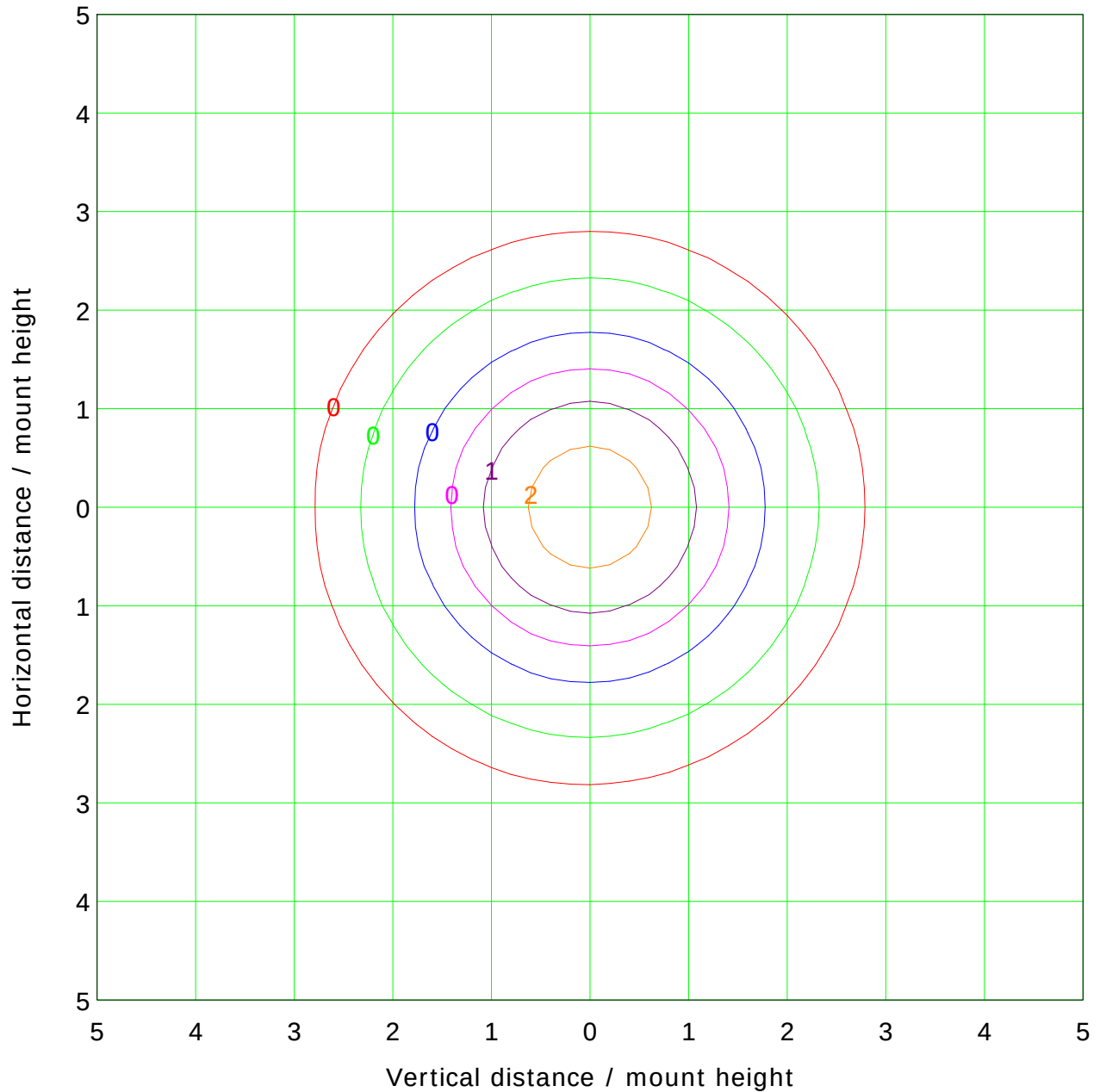
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 3.8 lx	
(1%):	0.0 lx	(2%):	0.1 lx
(5%):	0.2 lx	(10%):	0.4 lx
(20%):	0.8 lx	(50%):	1.9 lx
(100%):	3.8 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

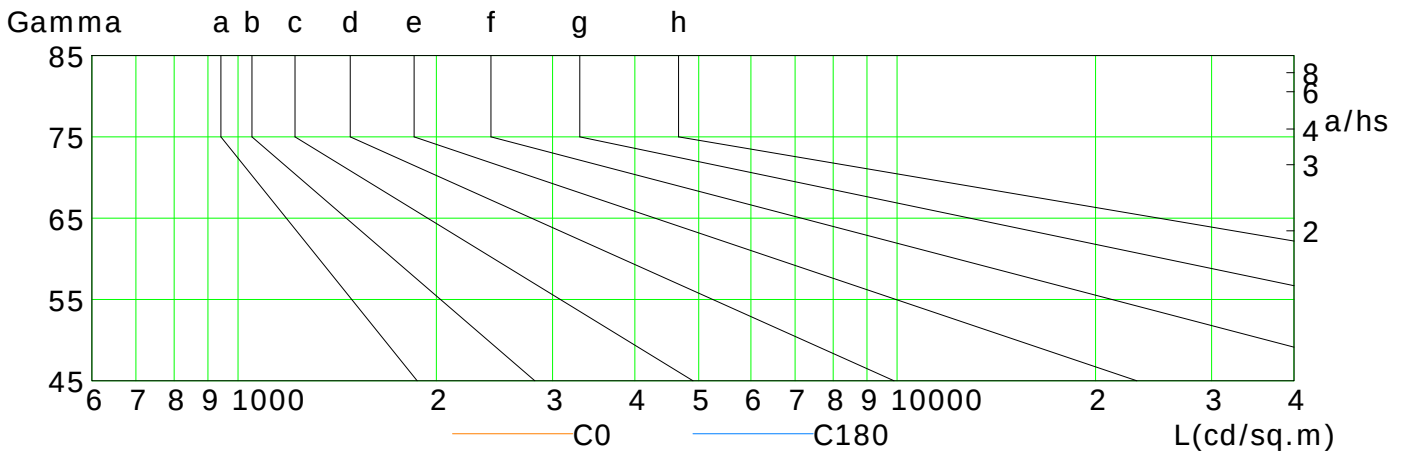
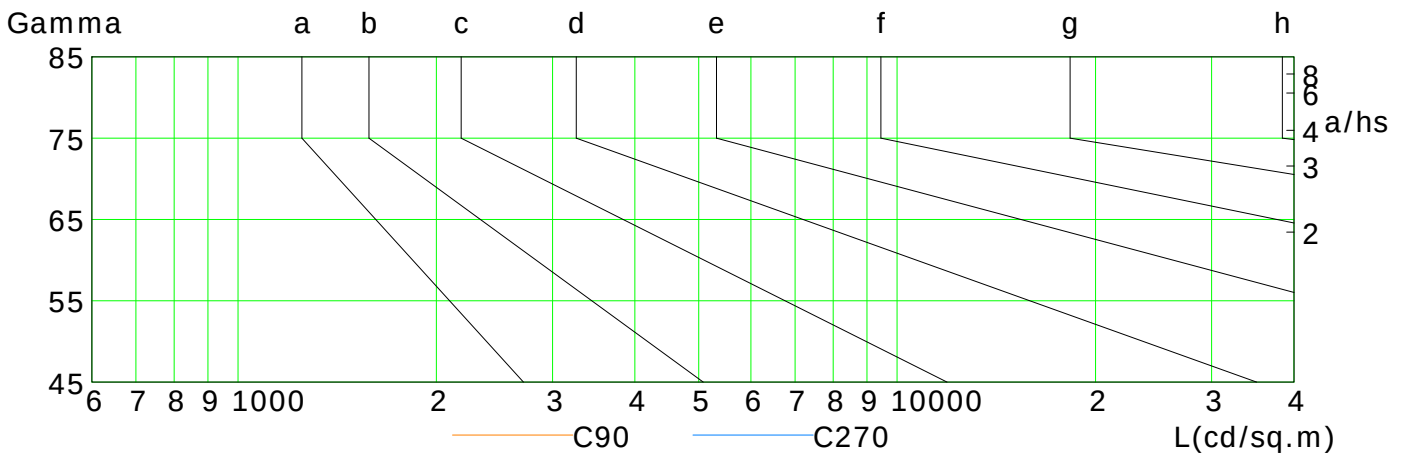
Humidity:

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	252	225	196	166	134	101	68	37	12
C90	249	222	194	166	135	105	74	45	20
C180	251	224	195	165	134	101	69	38	12
C270	248	222	194	164	134	103	72	42	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

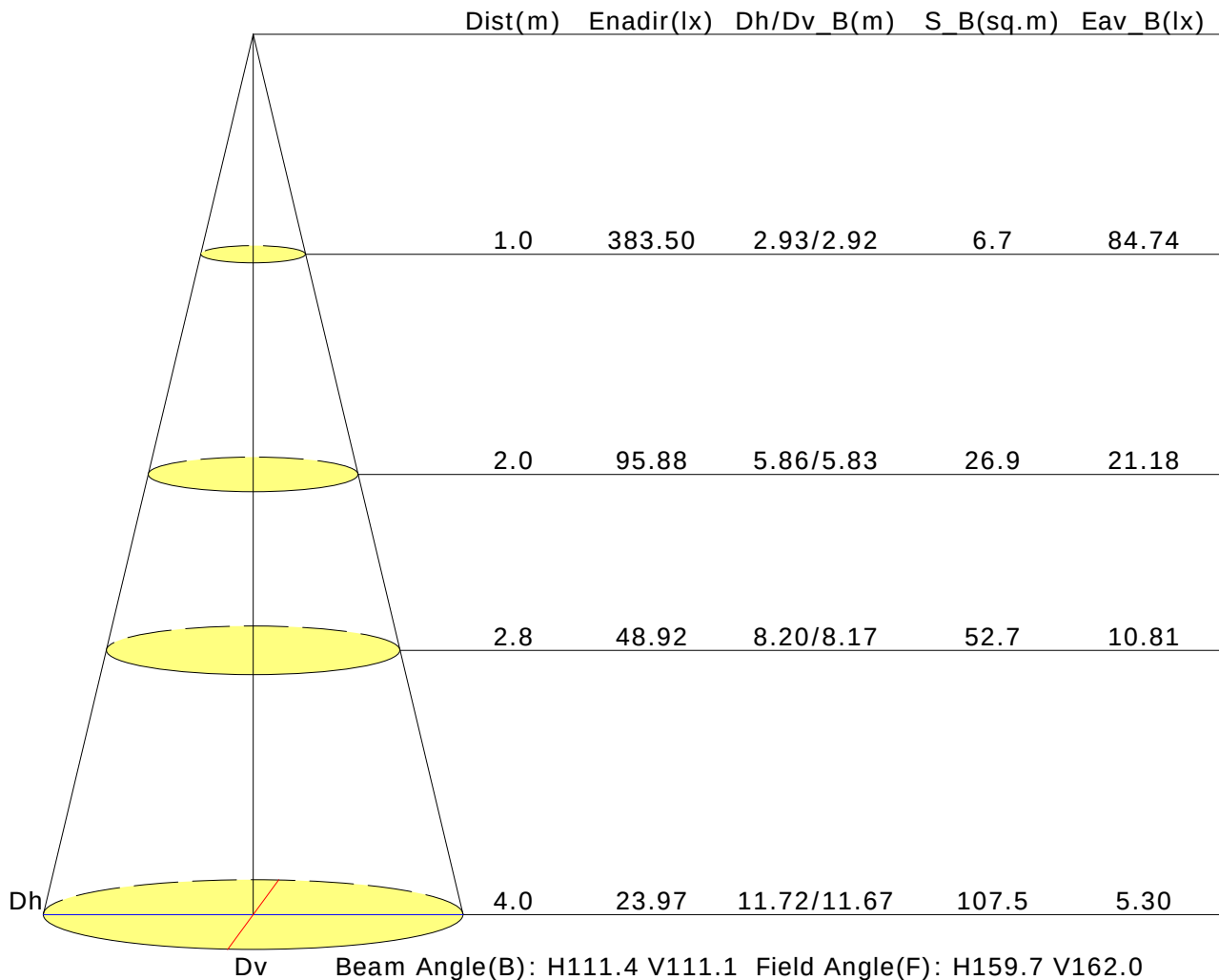
Test Device: GPM-2000

Distance: 7.970 m

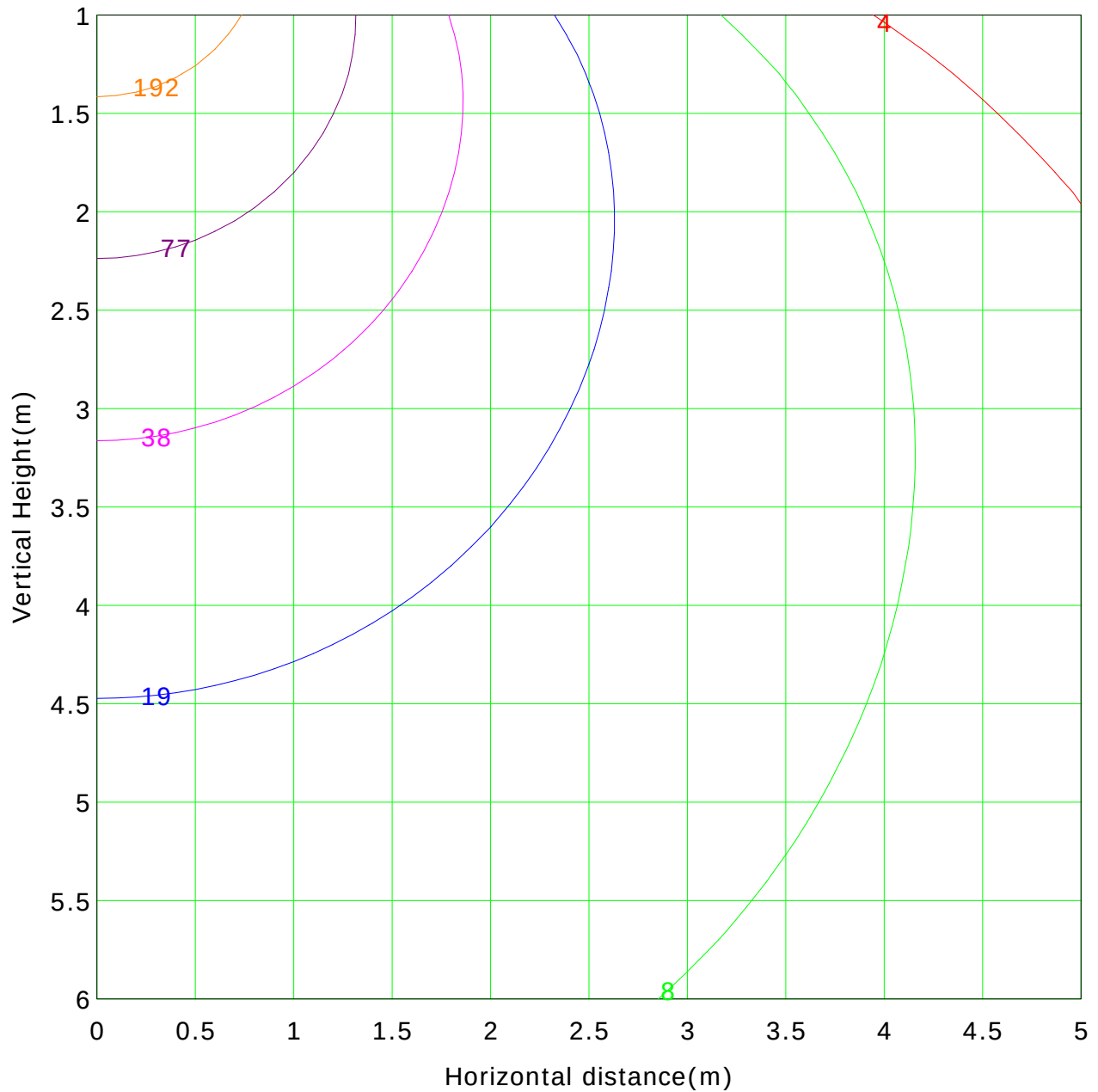
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 383.5 lx
(1%): 3.8 lx	(2%): 7.7 lx	
(5%): 19.2 lx	(10%): 38.4 lx	
(20%): 76.7 lx	(50%): 191.8 lx	
(100%): 383.5 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: