

Report No.:

Test Time: 20/09/2022 16:46

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-RE11-16 + LLD-16-FM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.594 A

Power: 14.25 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 825.7 lm

Downward Ratio: 52.10%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 52.29%

Upward Ratio: 0.19%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.4, 159.9, 159.8, 159.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.8, 107.6, 108.6, 108.7

Luminaire Efficacy Rating (LER): 58.00

Central Intensity: 302.9 cd

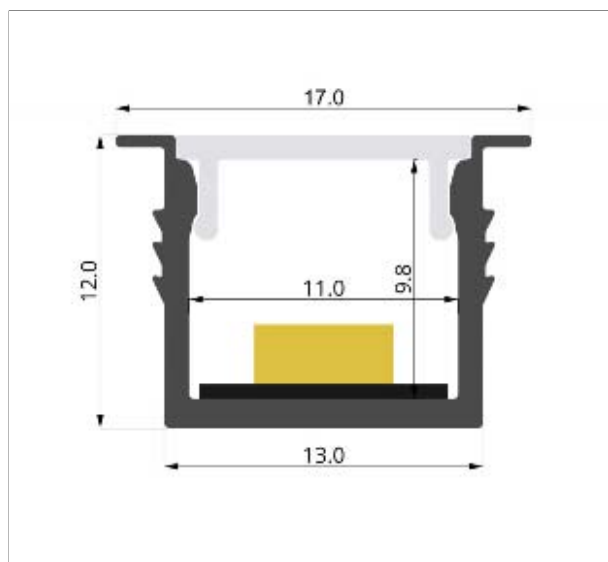
Max. Intensity: 303.05 cd

Pos of Max. Intensity: H0 V1

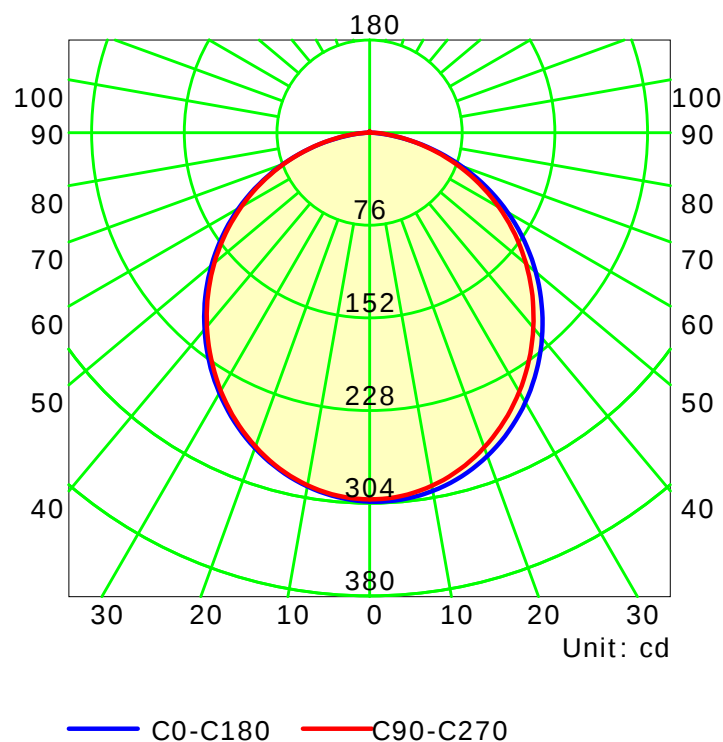
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

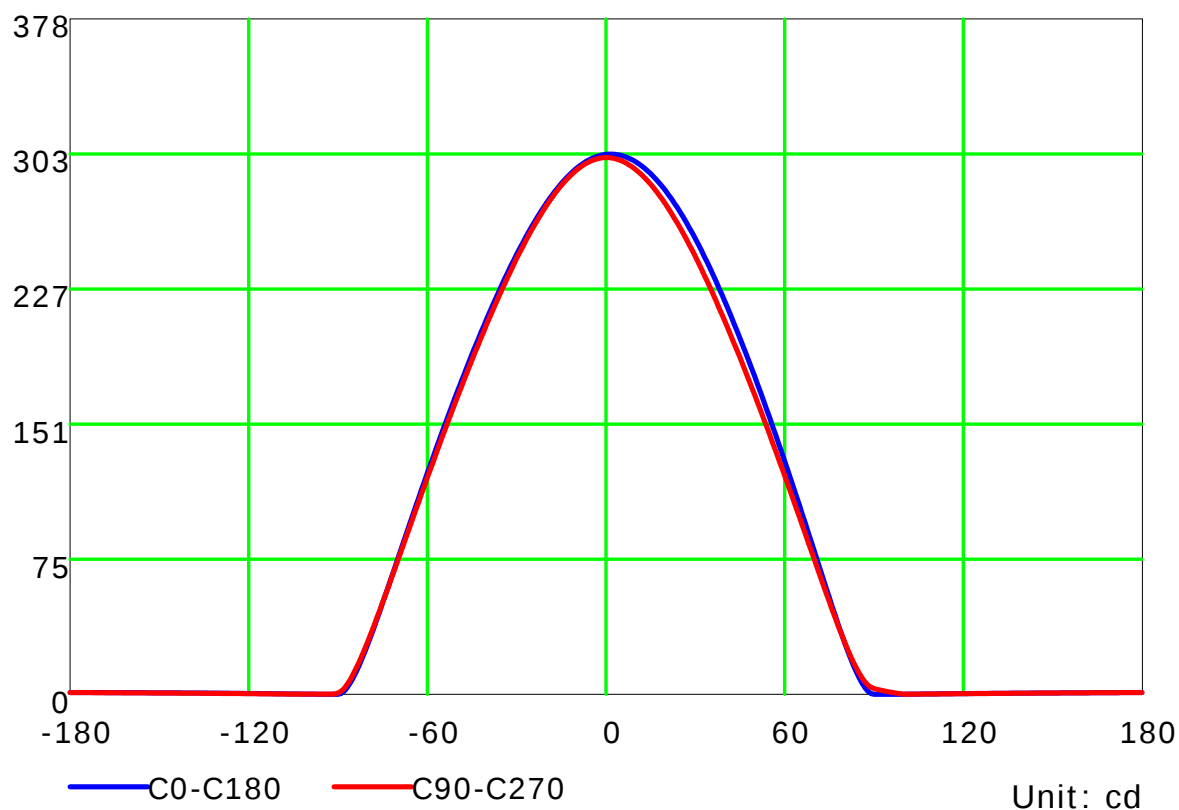
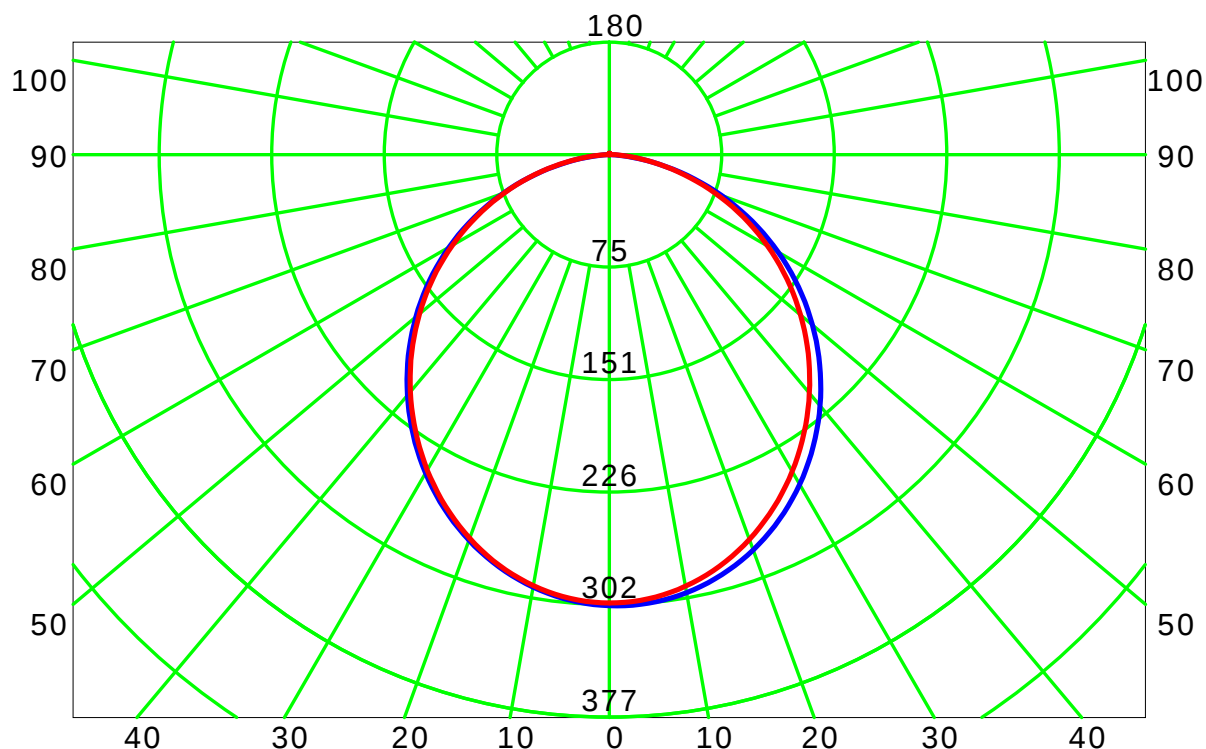
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

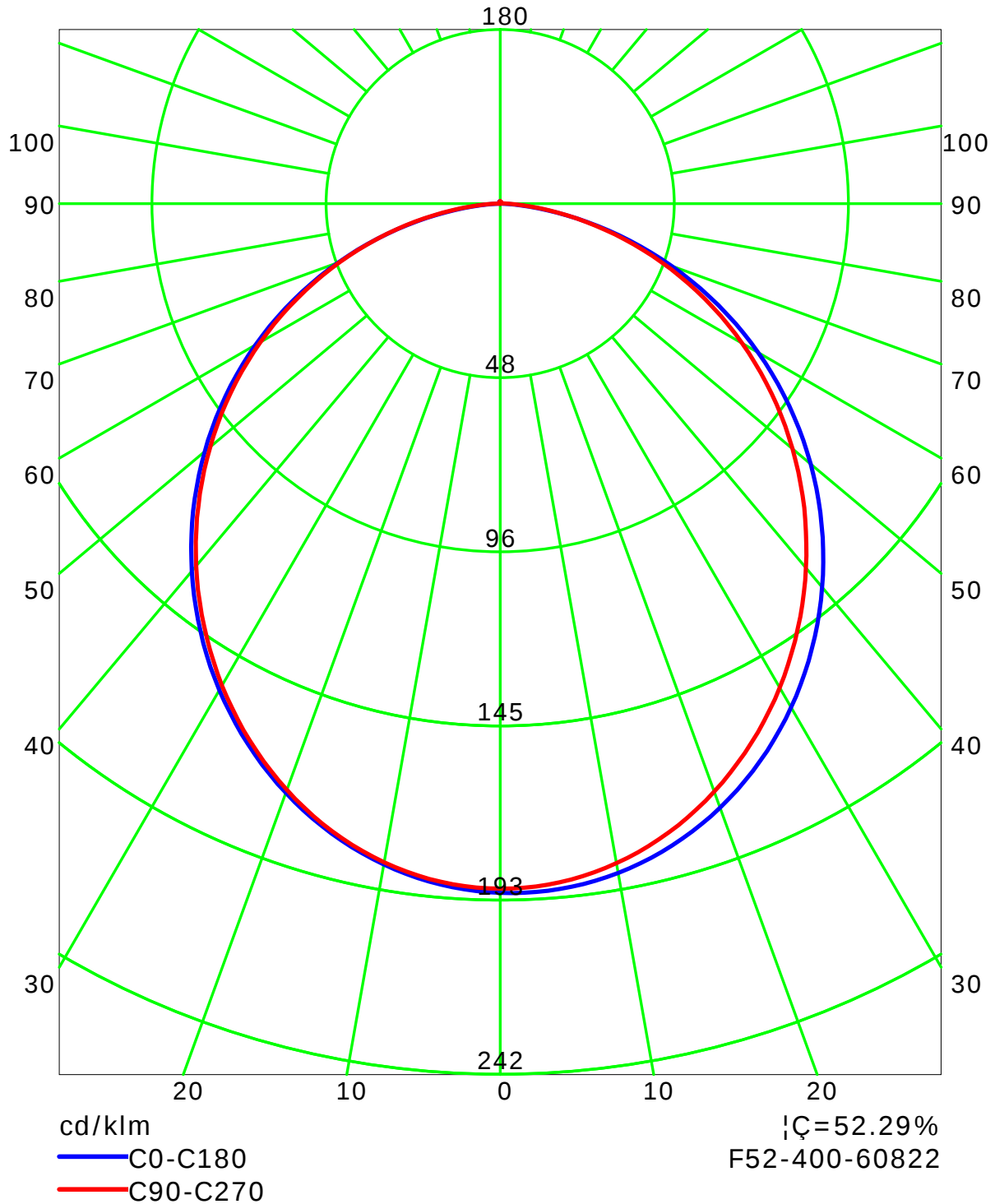
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

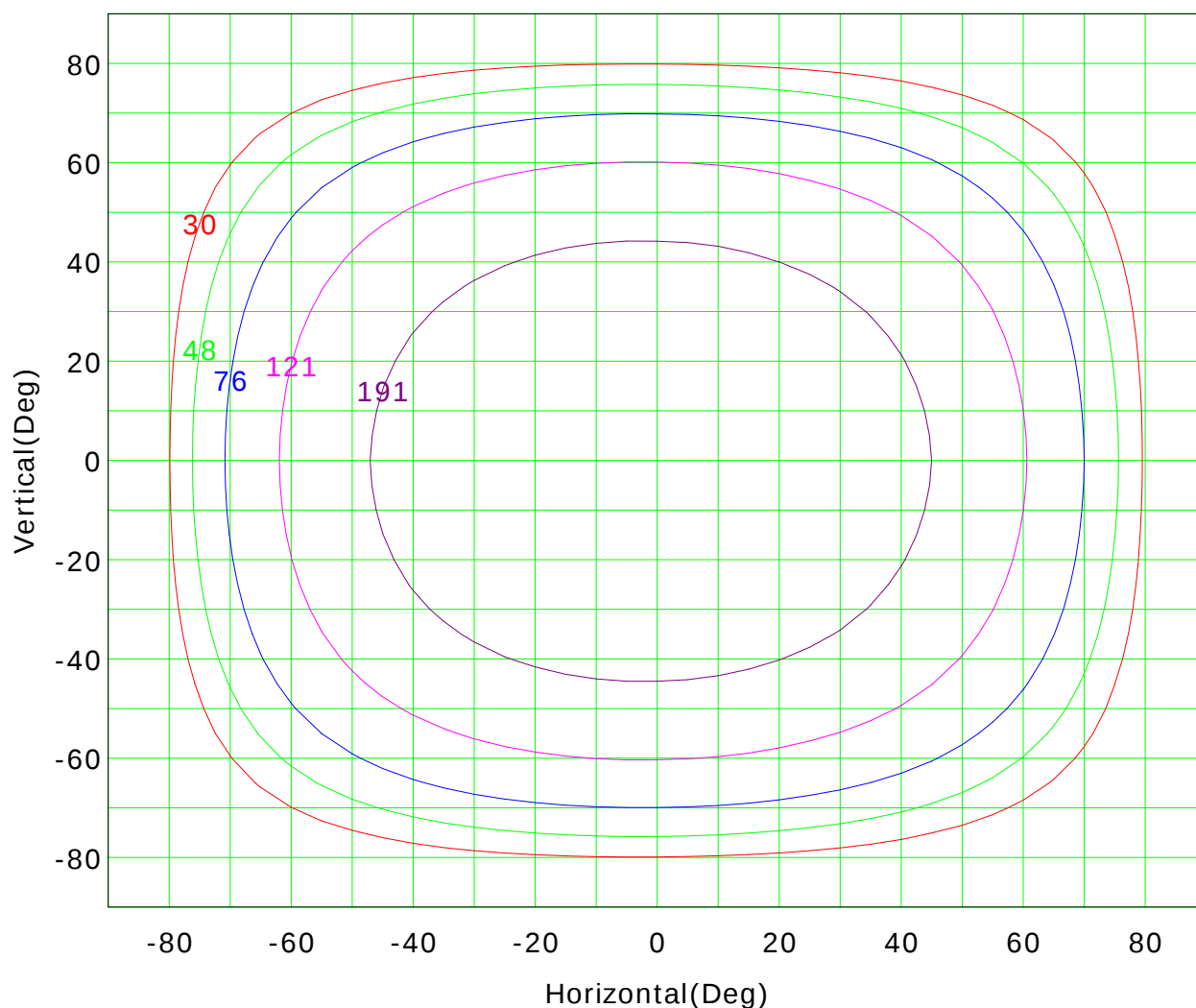
Luminous Intensity Distribution Curve(cd / klm)



C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 7.979 m
Humidity:
Inspector:

Isocandela (rectangle)



I_{max} (100%): 303 cd

(10%):	30 cd	(16%):	48 cd
(25%):	76 cd	(40%):	121 cd
(63%):	191 cd	(100%):	303 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

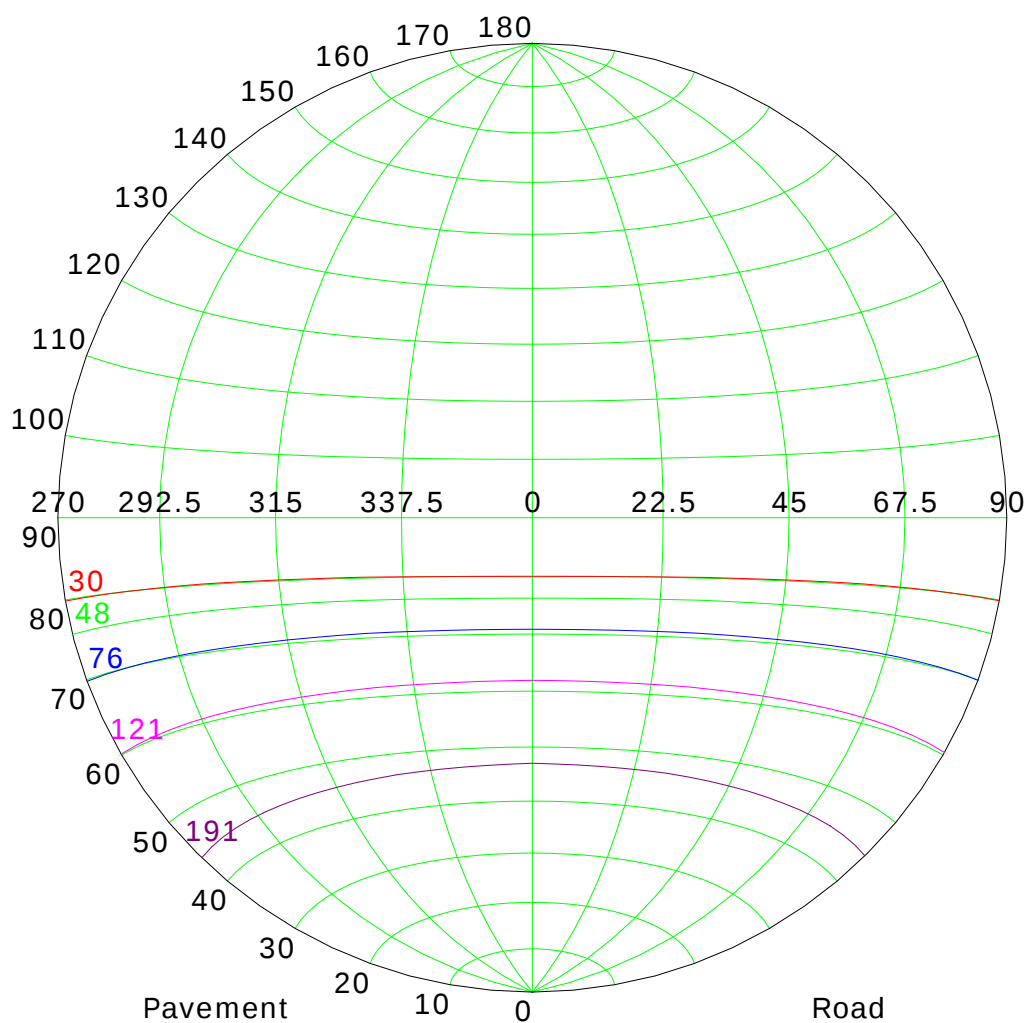
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 303 cd

(10%):	30 cd	(16%):	48 cd
(25%):	76 cd	(40%):	121 cd
(63%):	191 cd	(100%):	303 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

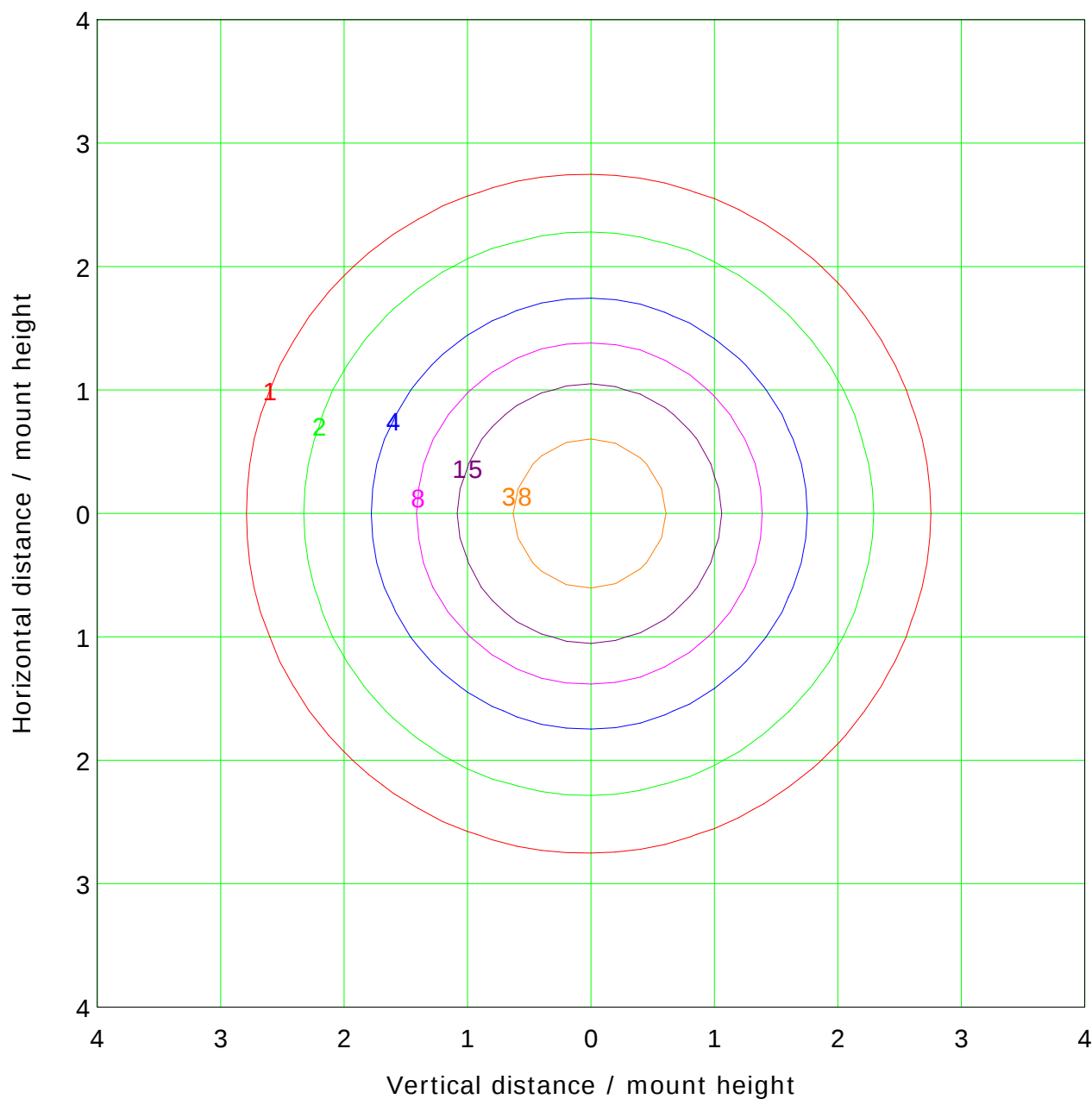
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 75.7 lx	
— (1%):	0.8 lx	— (2%):	1.5 lx
— (5%):	3.8 lx	— (10%):	7.6 lx
— (20%):	15.1 lx	— (50%):	37.9 lx
— (100%):	75.7 lx		

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.979 m

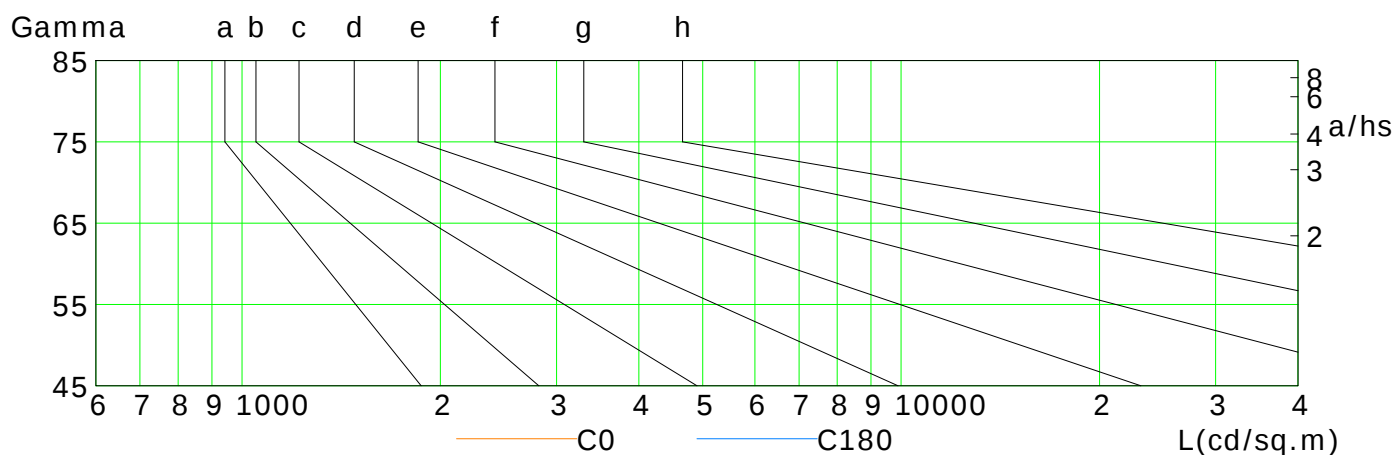
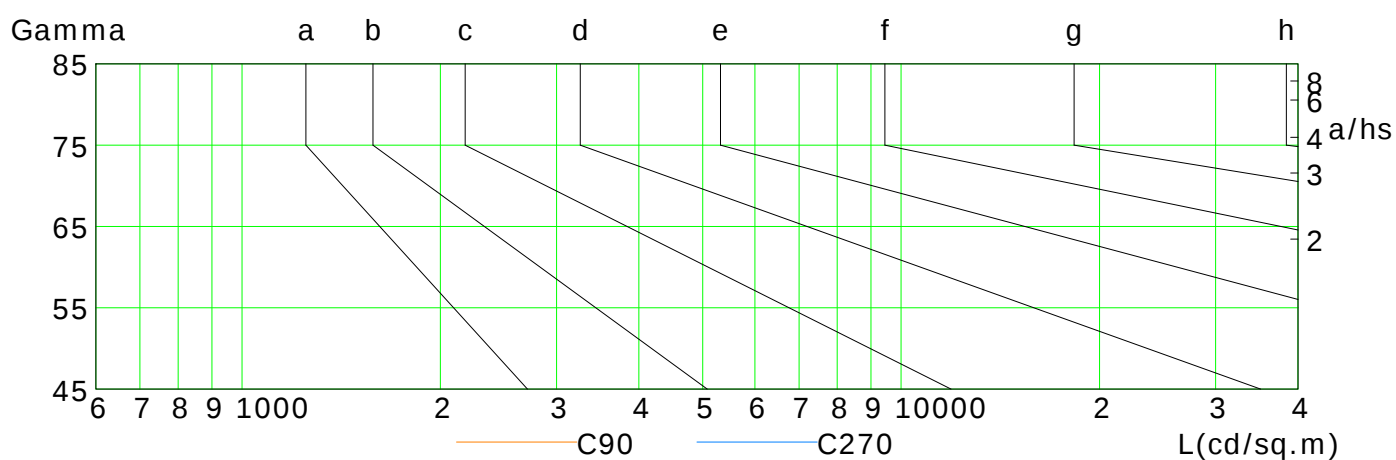
Humidity:

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	200	178	155	131	106	80	54	30	9
C90	189	168	146	123	99	76	52	30	12
C180	191	170	147	124	100	76	51	28	9
C270	188	166	144	122	98	75	52	30	11

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

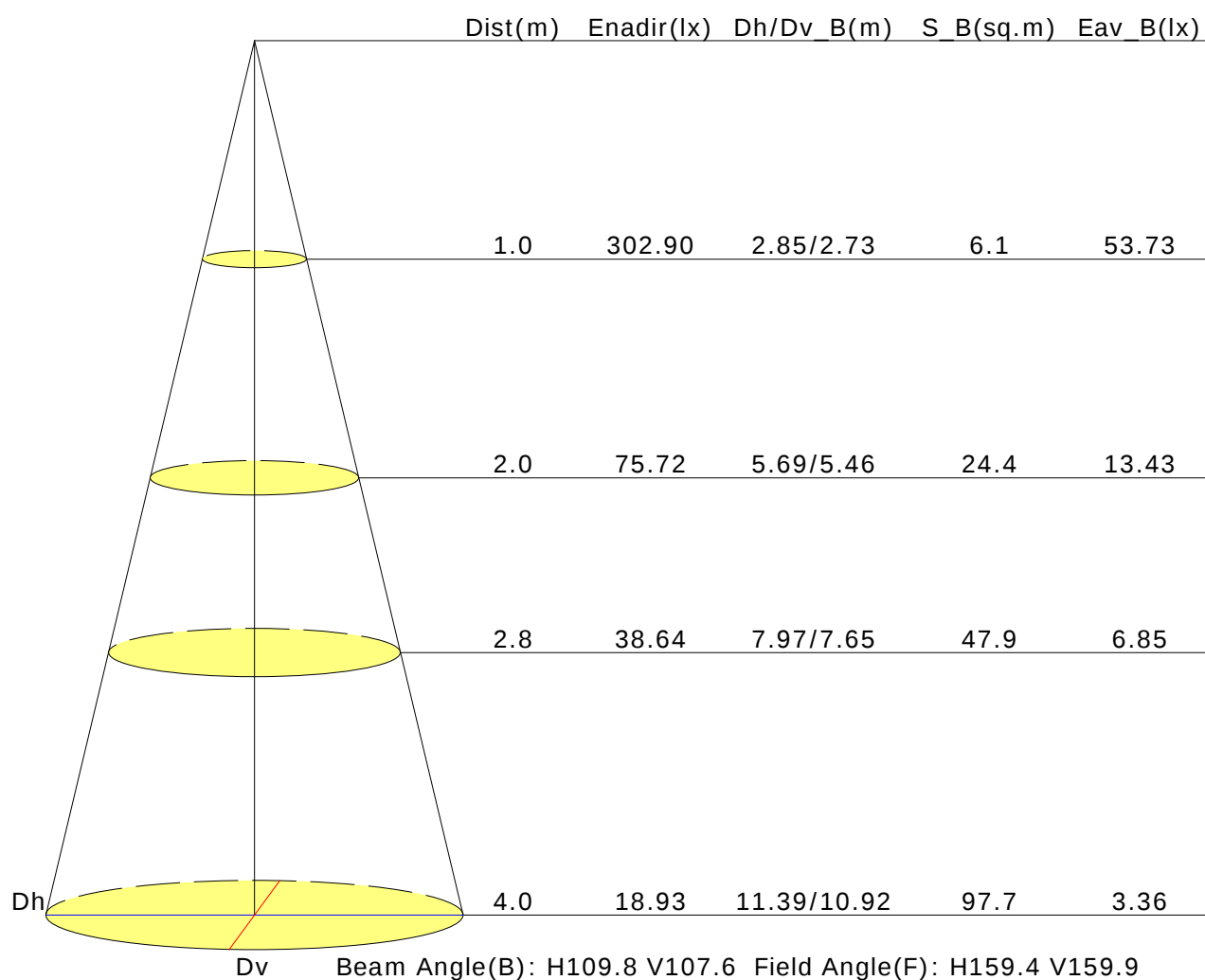
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

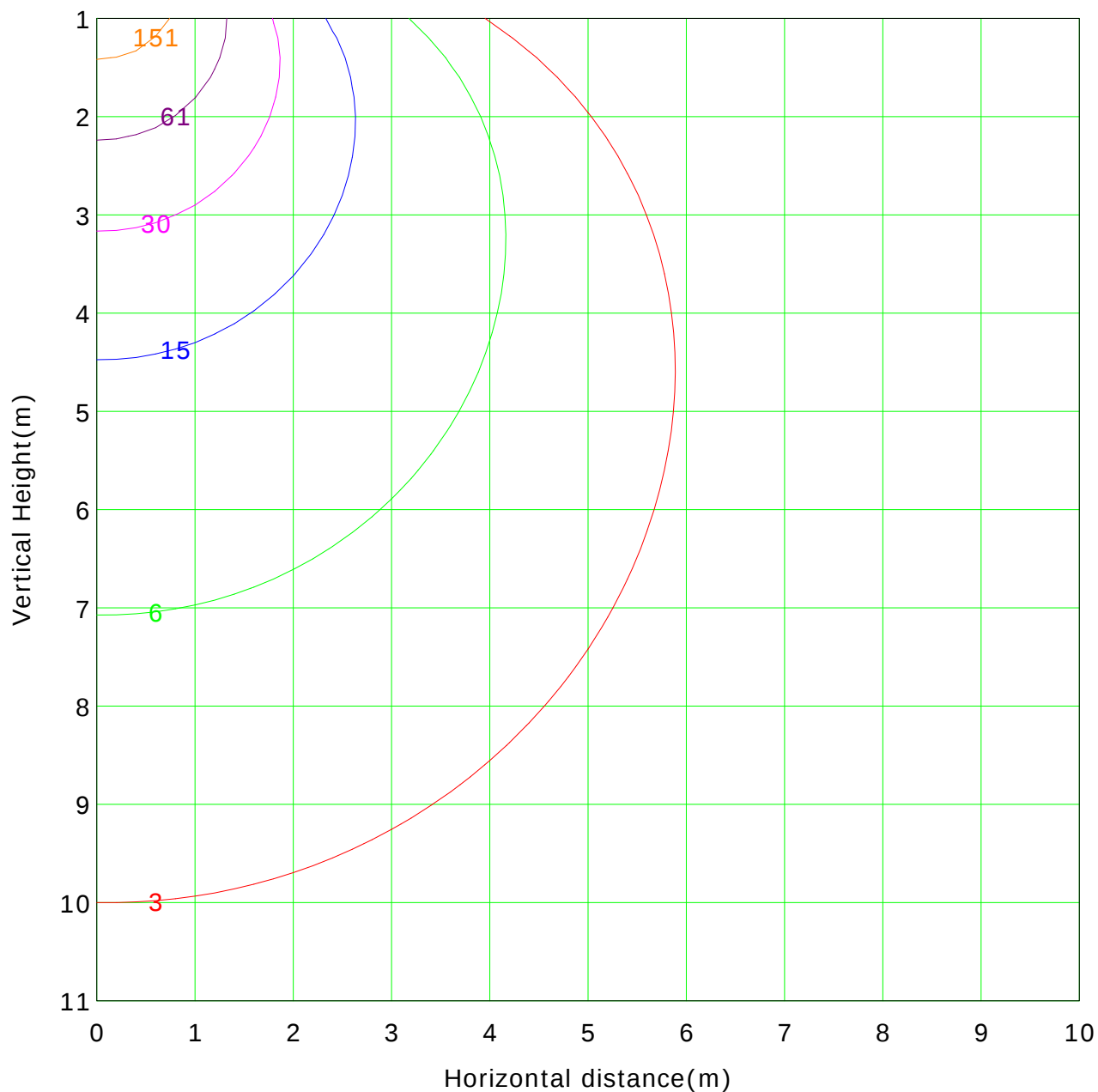
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 302.9 lx

(1%): 3.0 lx	(2%): 6.1 lx
(5%): 15.1 lx	(10%): 30.3 lx
(20%): 60.6 lx	(50%): 151.4 lx
(100%): 302.9 lx	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector: