

Report No.:

Test Time: 20/09/2022 15:48

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-RE12-16 + LLD-16-FM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.603 A

Power: 14.47 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 817.9 lm

Downward Ratio: 50.66%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 51.80%

Upward Ratio: 1.14%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.4, 160.3, 159.4, 159.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.8, 104.5, 104.3, 104.4

Luminaire Efficacy Rating (LER): 56.58

Central Intensity: 303.62 cd

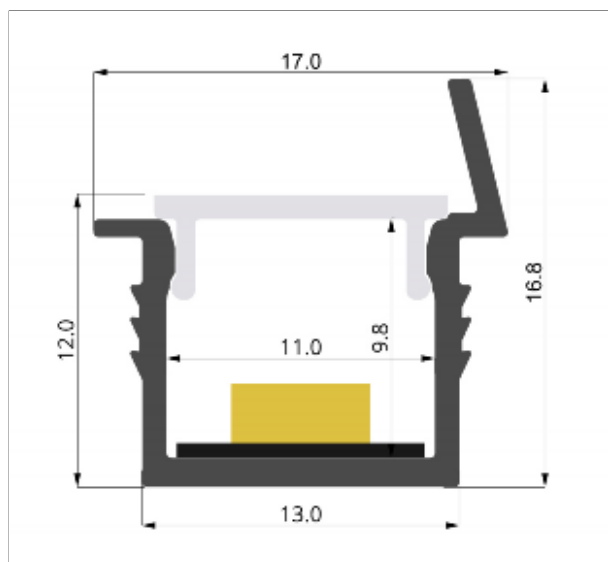
Max. Intensity: 304.99 cd

Pos of Max. Intensity: H30 V4

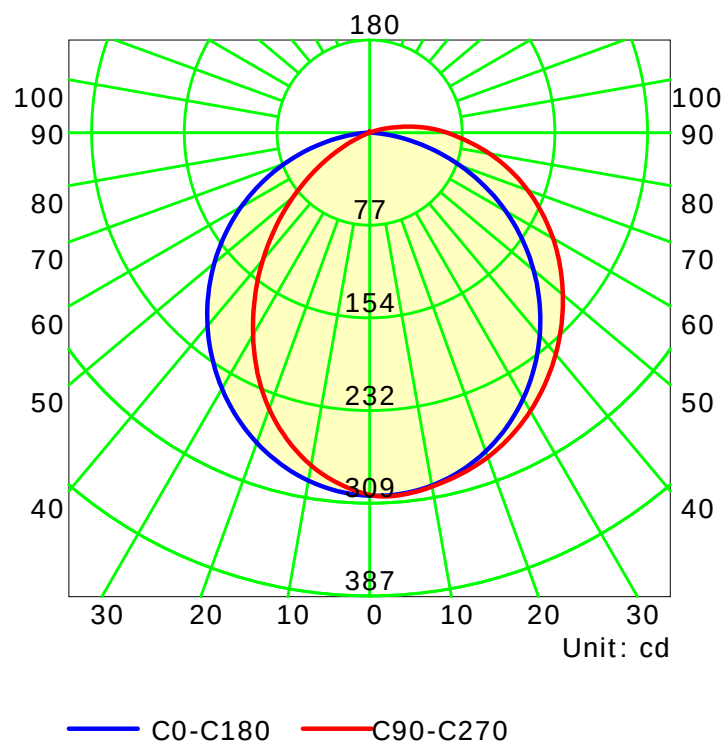
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.15

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

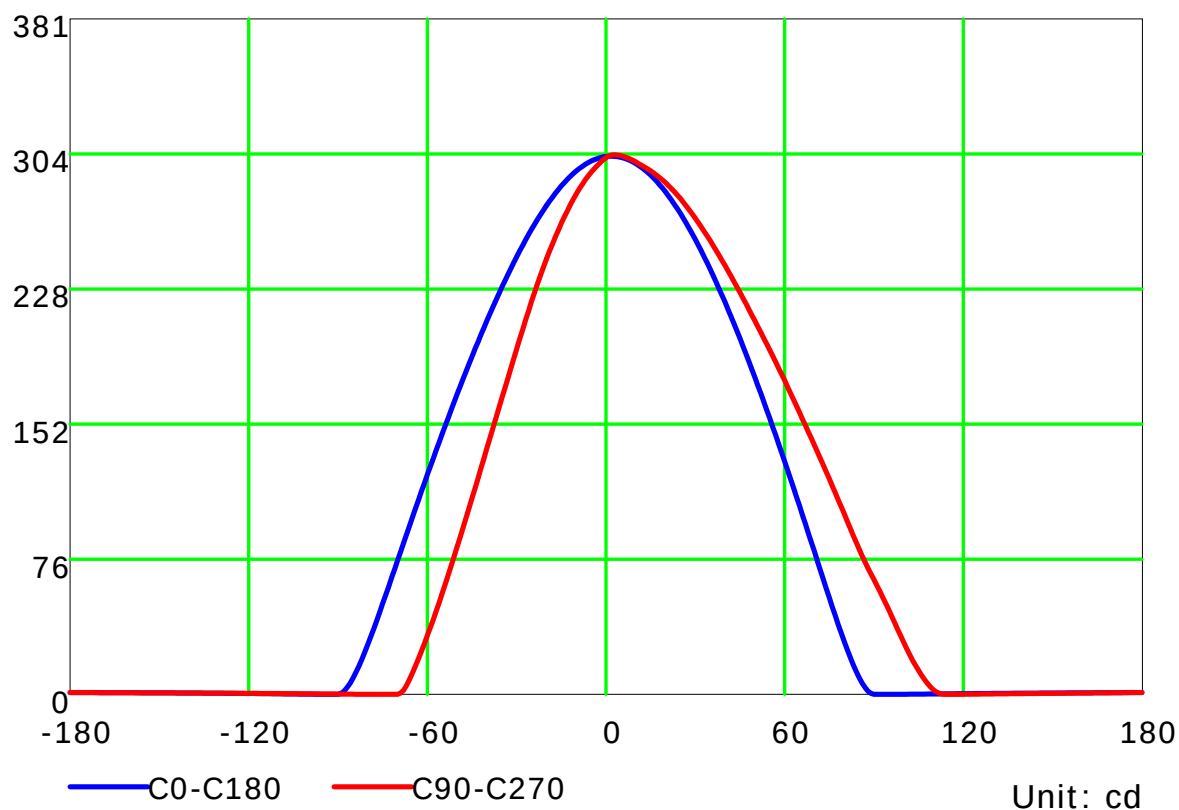
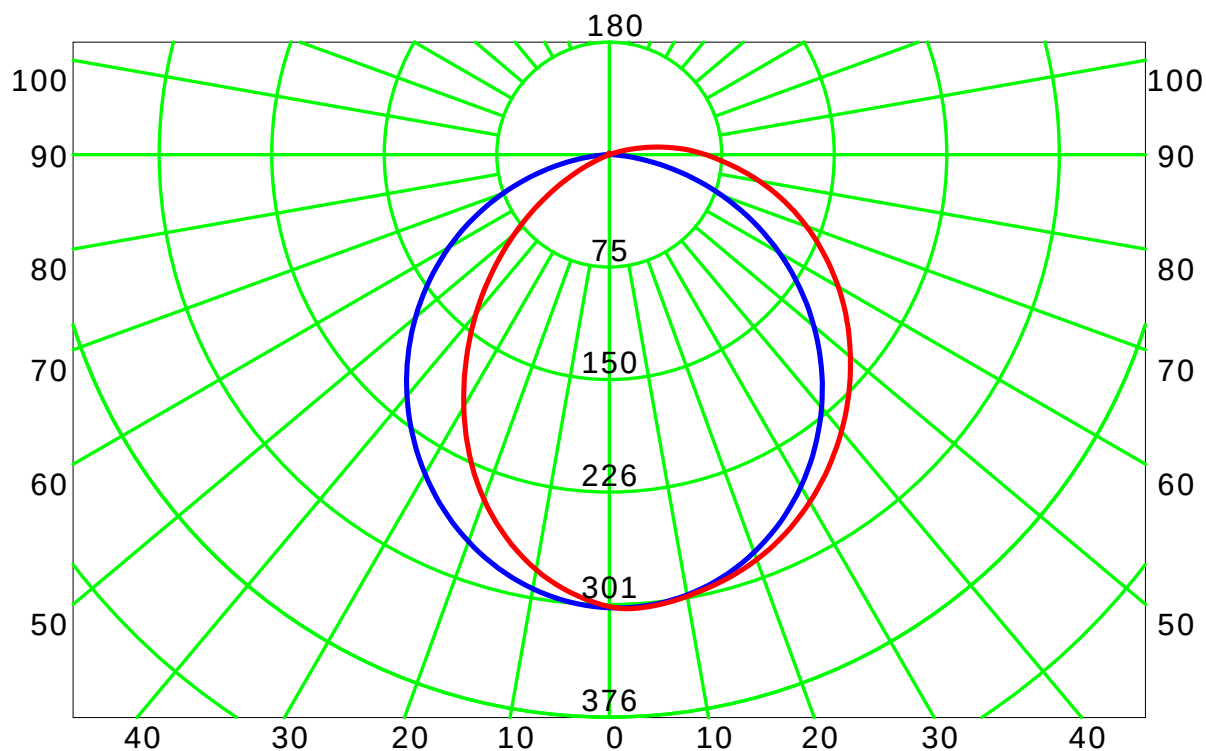
Test Device: GPM-1800B

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

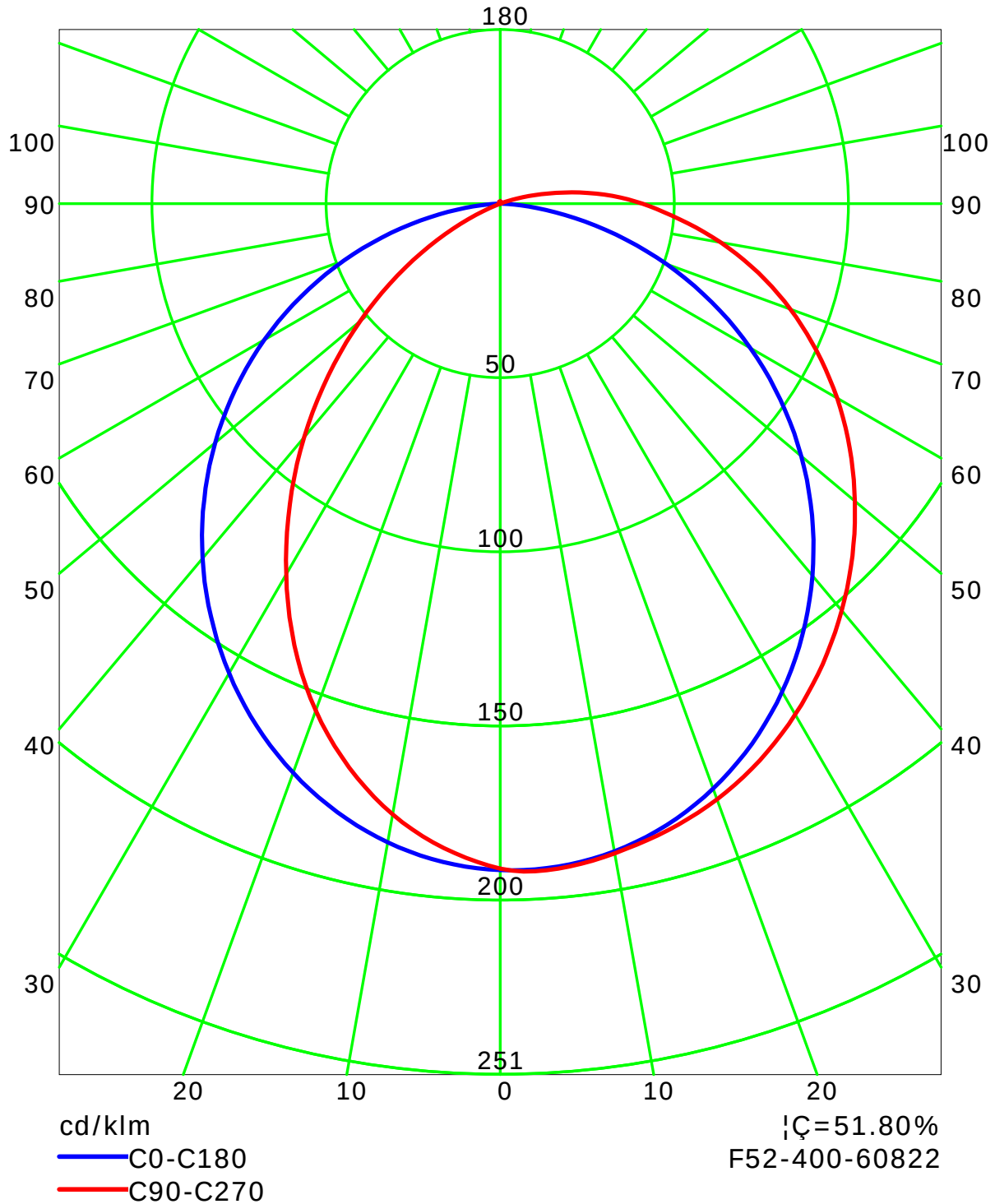
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

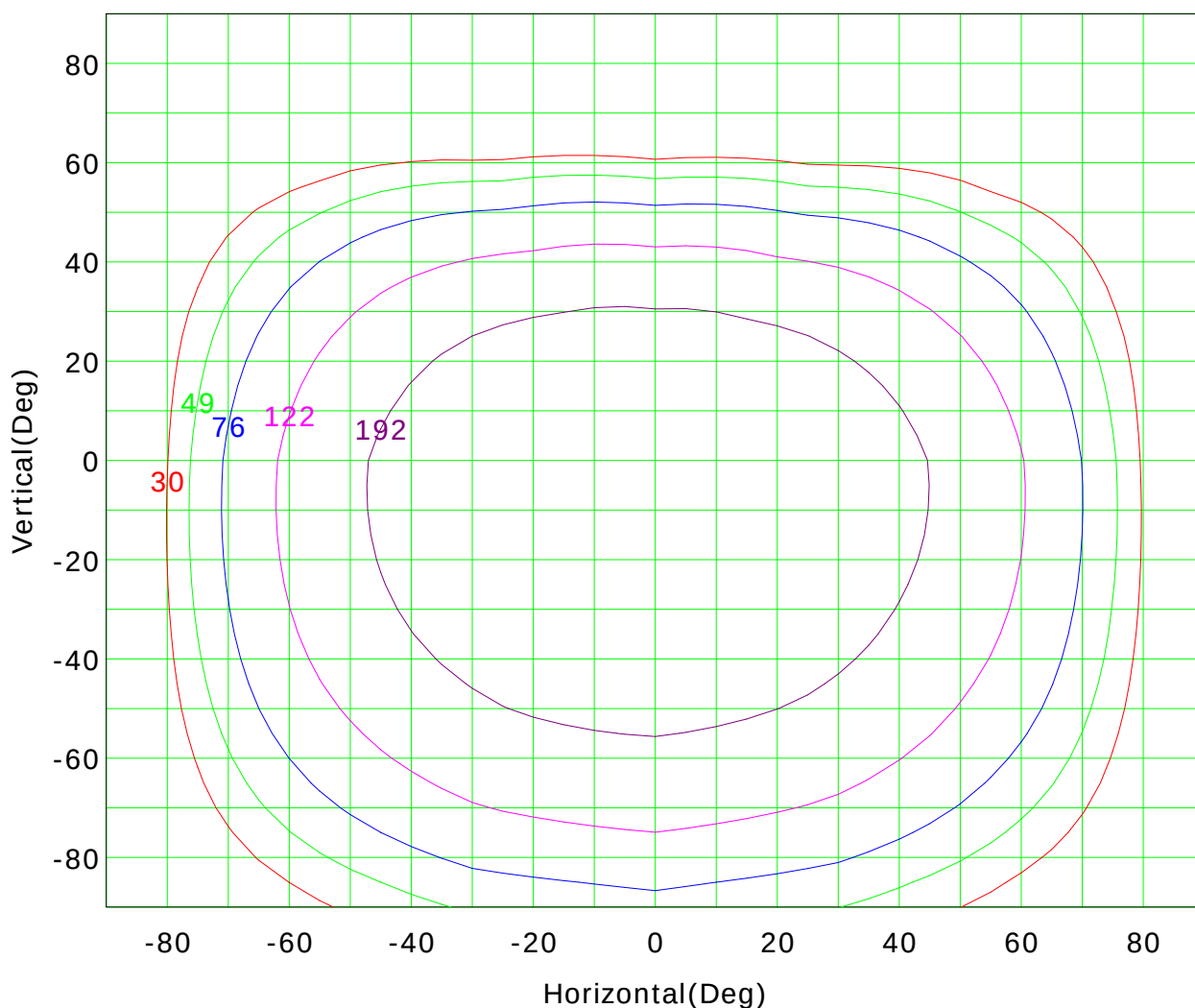
Luminous Intensity Distribution Curve(cd / klm)



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)



Imax (100%): 305 cd

(10%):	30 cd	(16%):	49 cd
(25%):	76 cd	(40%):	122 cd
(63%):	192 cd	(100%):	305 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

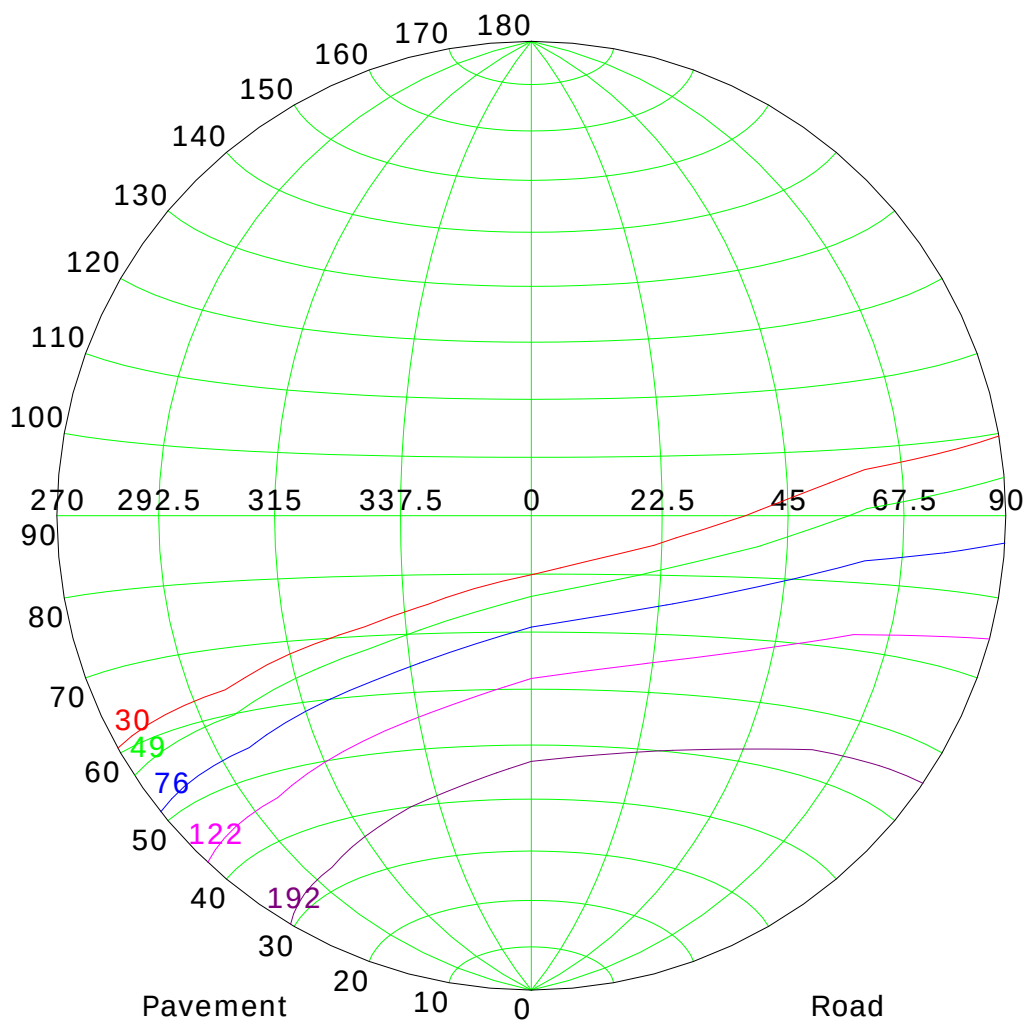
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 305 cd

(10%):	30 cd	(16%):	49 cd
(25%):	76 cd	(40%):	122 cd
(63%):	192 cd	(100%):	305 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

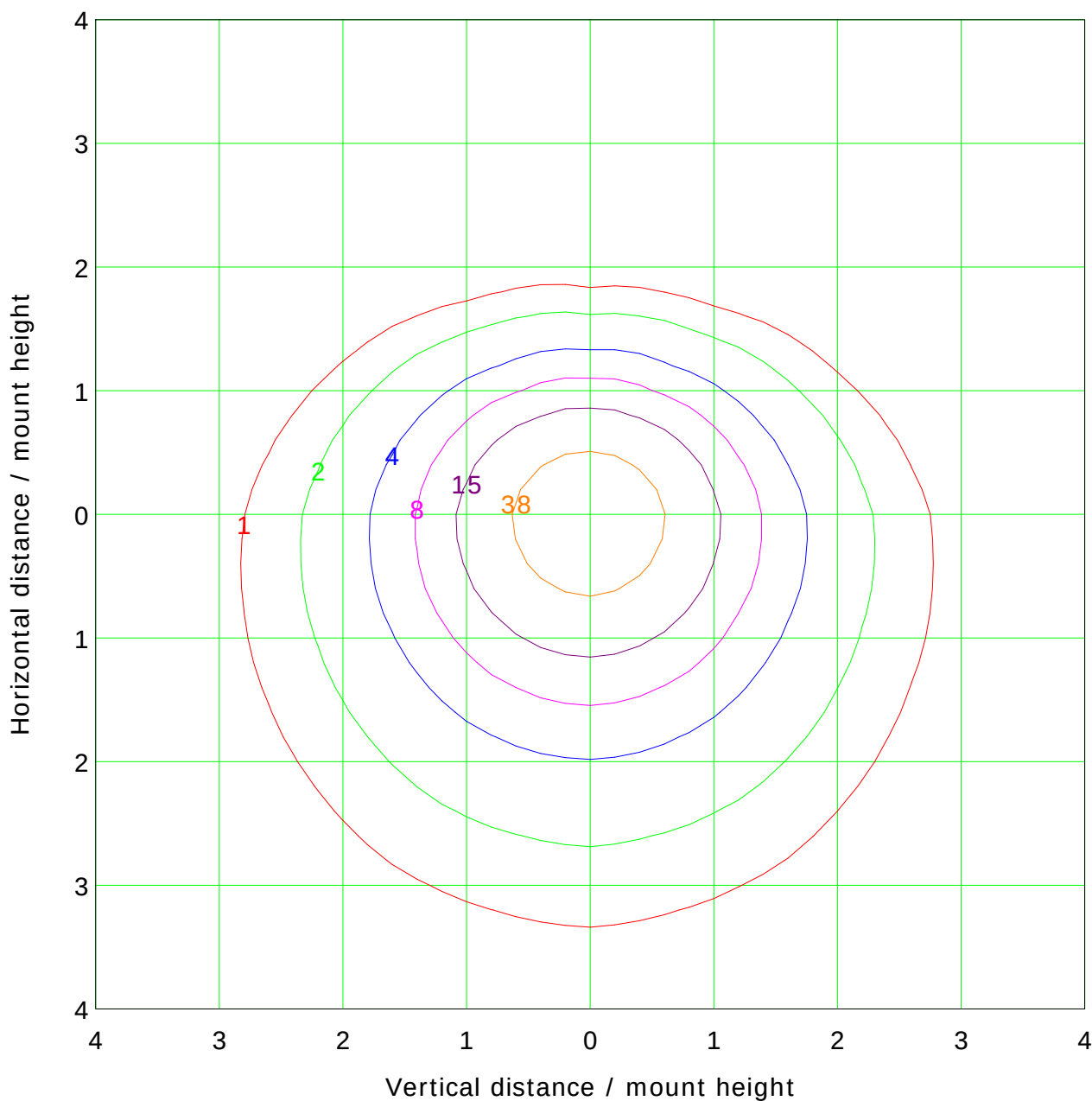
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 76.0 lx	
— (1%):	0.8 lx	— (2%):	1.5 lx
— (5%):	3.8 lx	— (10%):	7.6 lx
— (20%):	15.2 lx	— (50%):	38.0 lx
— (100%):	76.0 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

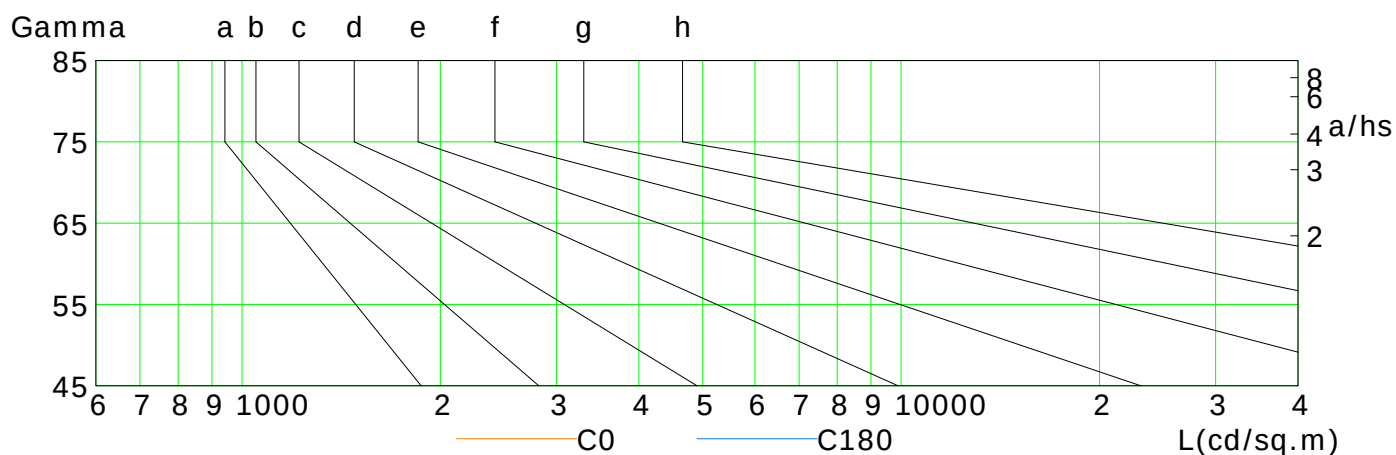
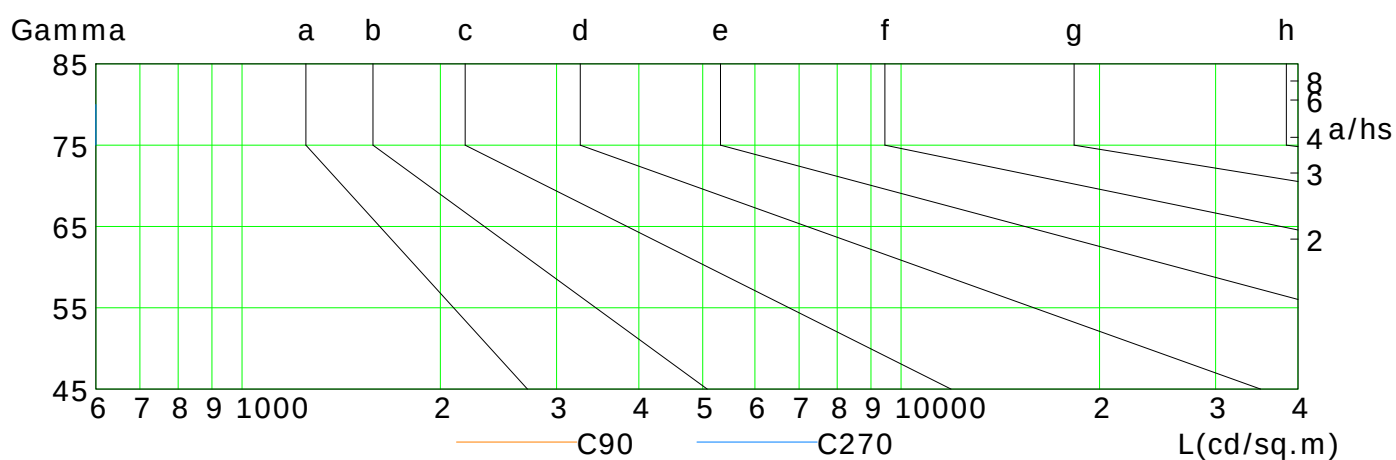
Humidity:

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	201	179	156	132	106	81	55	30	10
C90	227	211	194	177	159	141	122	102	82
C180	191	169	147	124	100	76	51	28	9
C270	111	83	57	33	12	0	0	0	0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

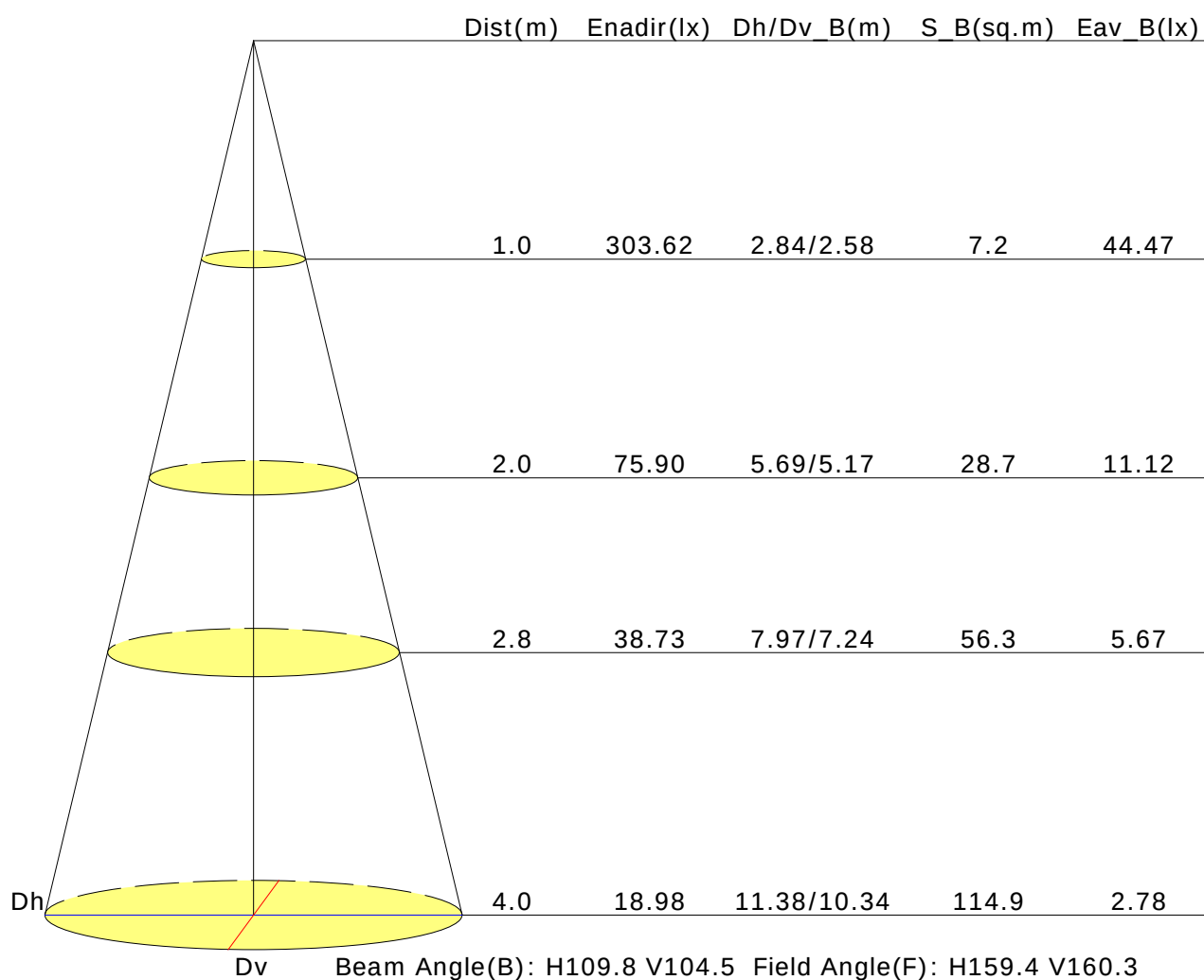
Test Device: GPM-1800B

Distance: 7.979 m

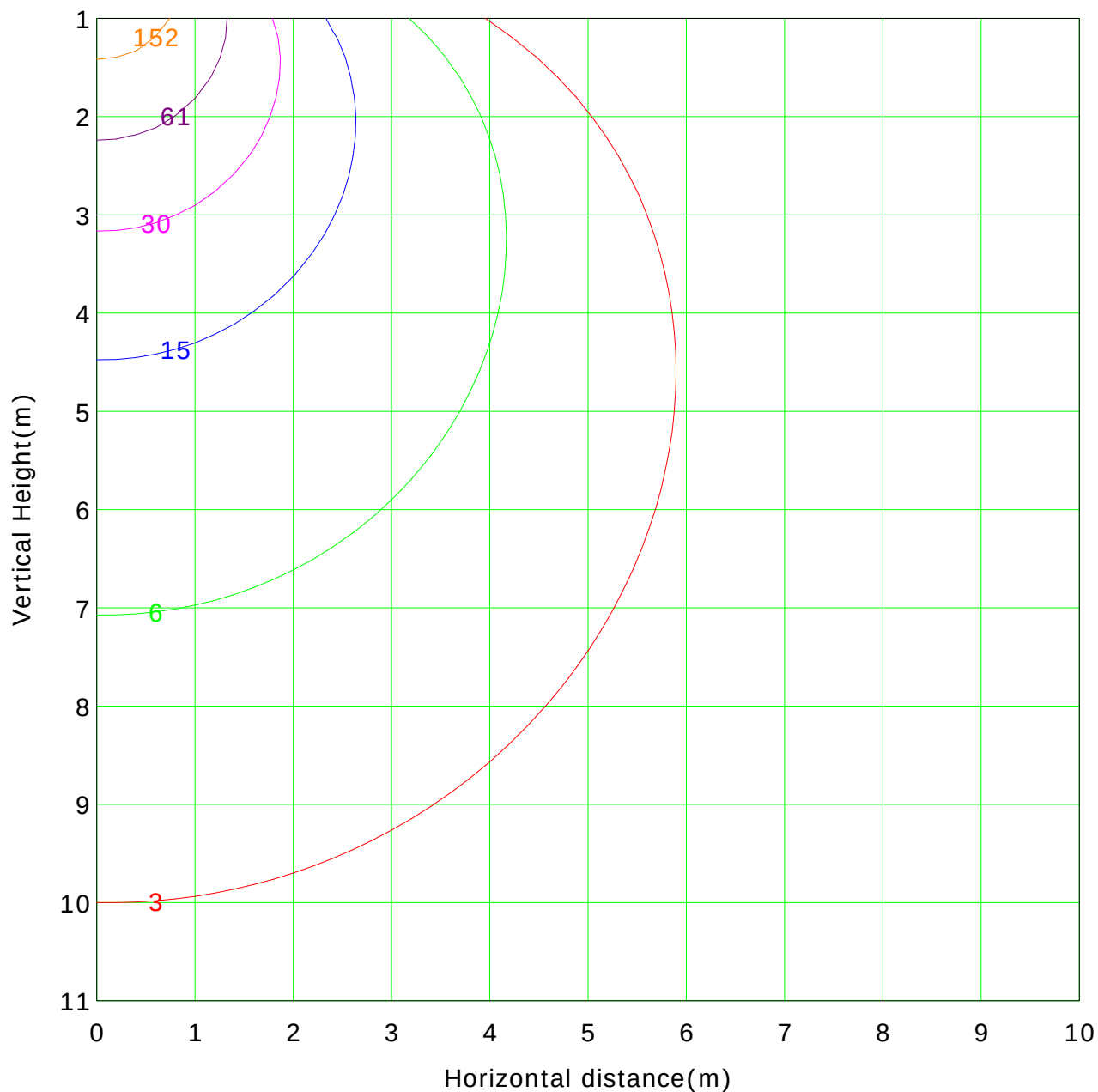
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 303.6 lx

(1%): 3.0 lx	(2%): 6.1 lx
(5%): 15.2 lx	(10%): 30.4 lx
(20%): 60.7 lx	(50%): 151.8 lx
(100%): 303.6 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: