

Report No.:

Test Time: 20/01/2022 16:15

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-NE04-19 + LLD-19-RM

Lamp Description: F52-400-60822 1m

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.584 A

Power: 14.01 W

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 1410.2 lm

Downward Ratio: 67.09%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 89.31%

Upward Ratio: 22.23%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 169.2, 342.3, 331.2, 331.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 106.0, 189.7, 140.6, 140.3

Luminaire Efficacy Rating (LER): 100.71

Central Intensity: 273.69 cd

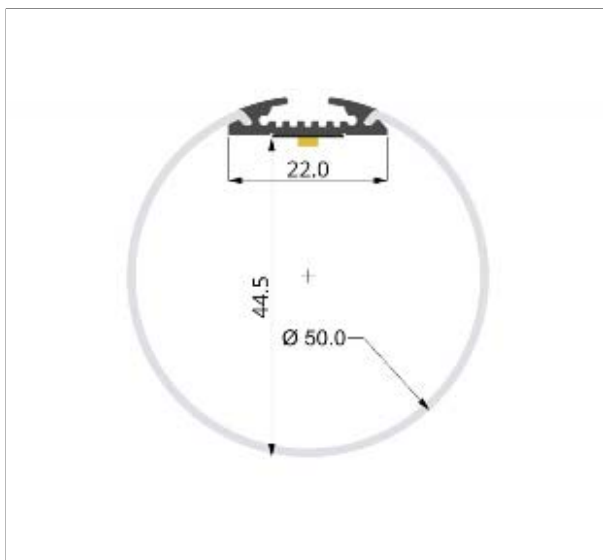
Max. Intensity: 273.99 cd

Pos of Max. Intensity: H270 V5

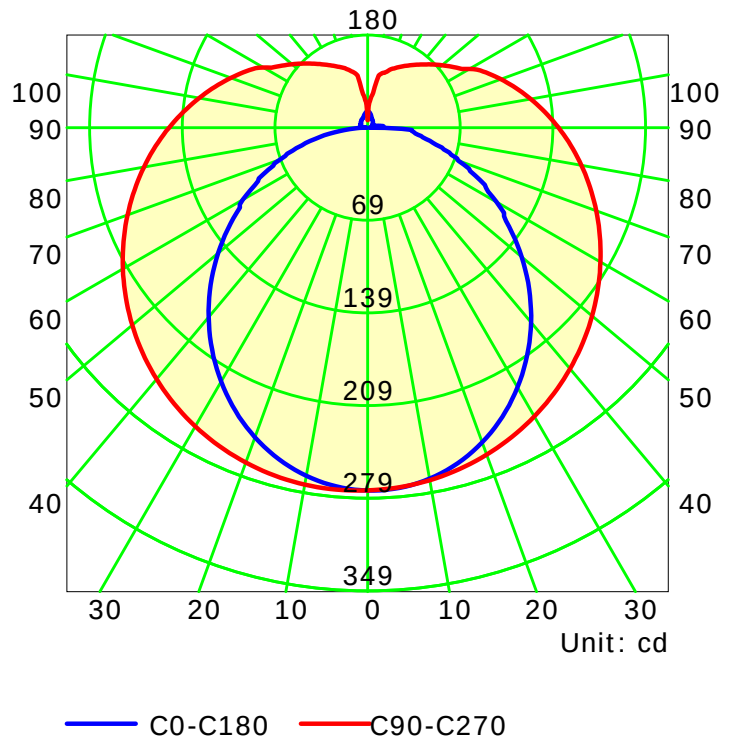
S/MH(C0/C180): 1.22

S/MH(C90/C270): 1.40

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

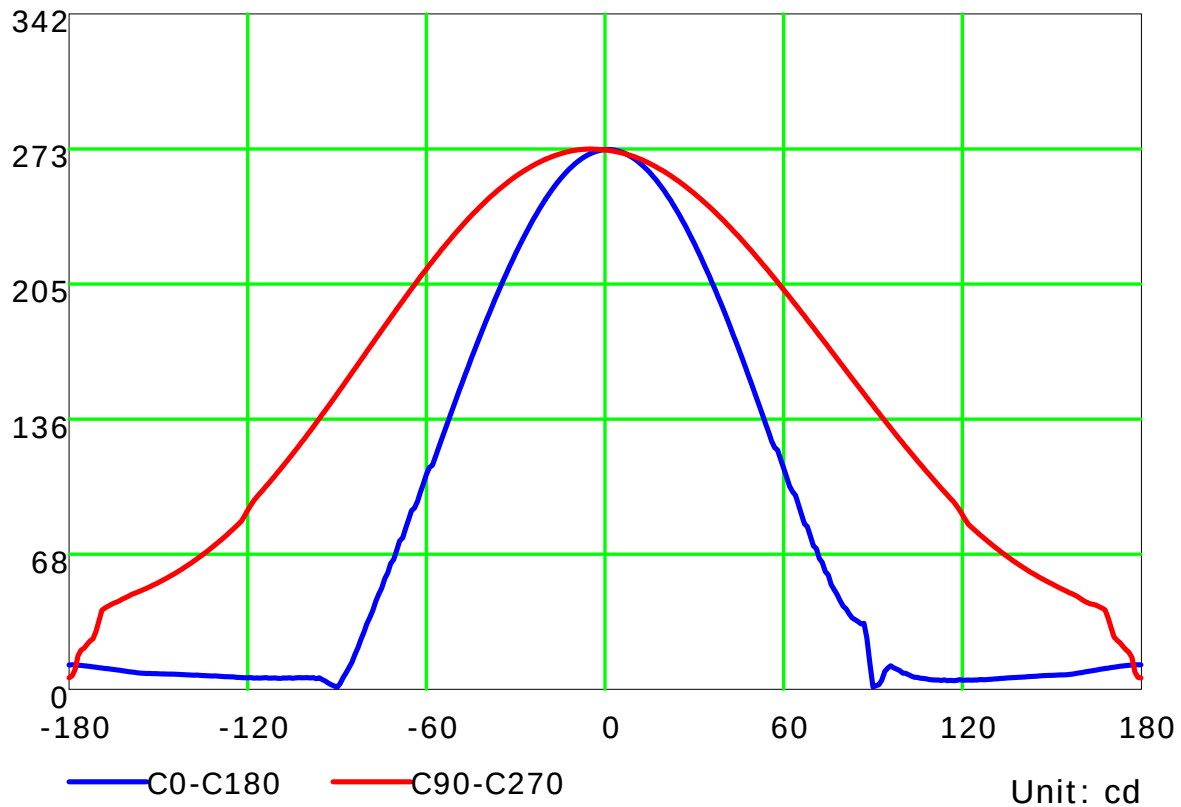
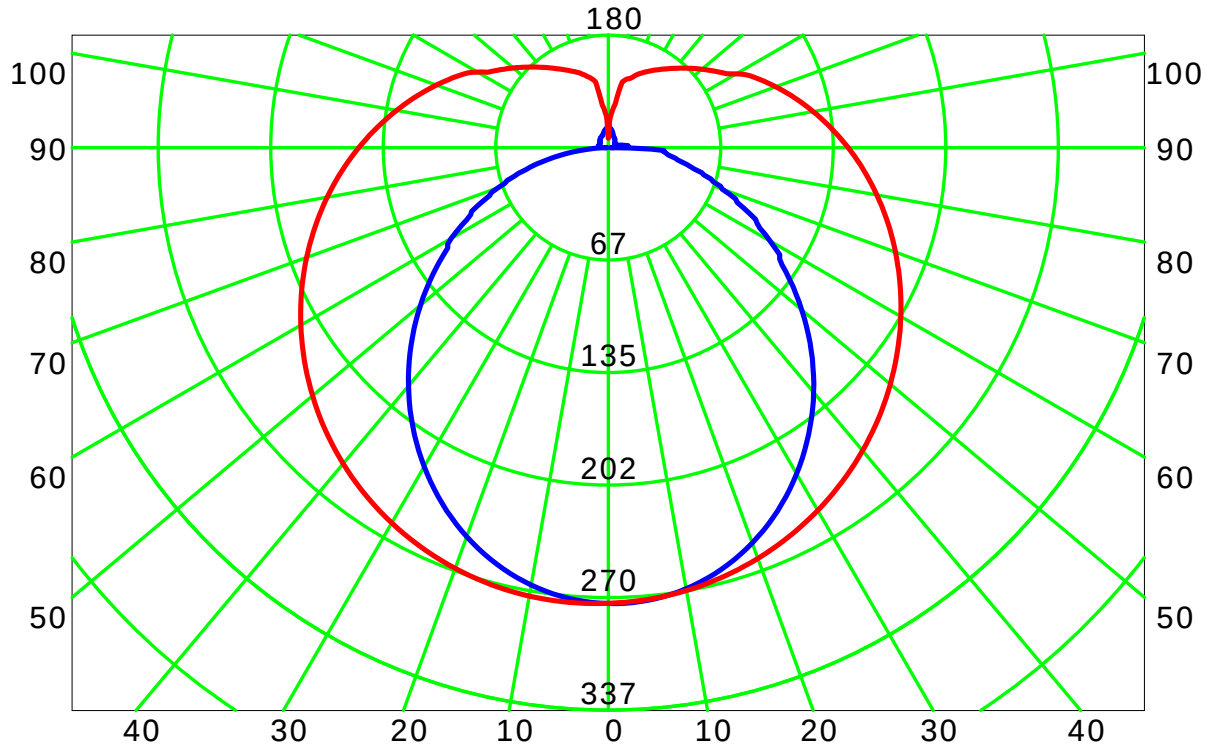
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

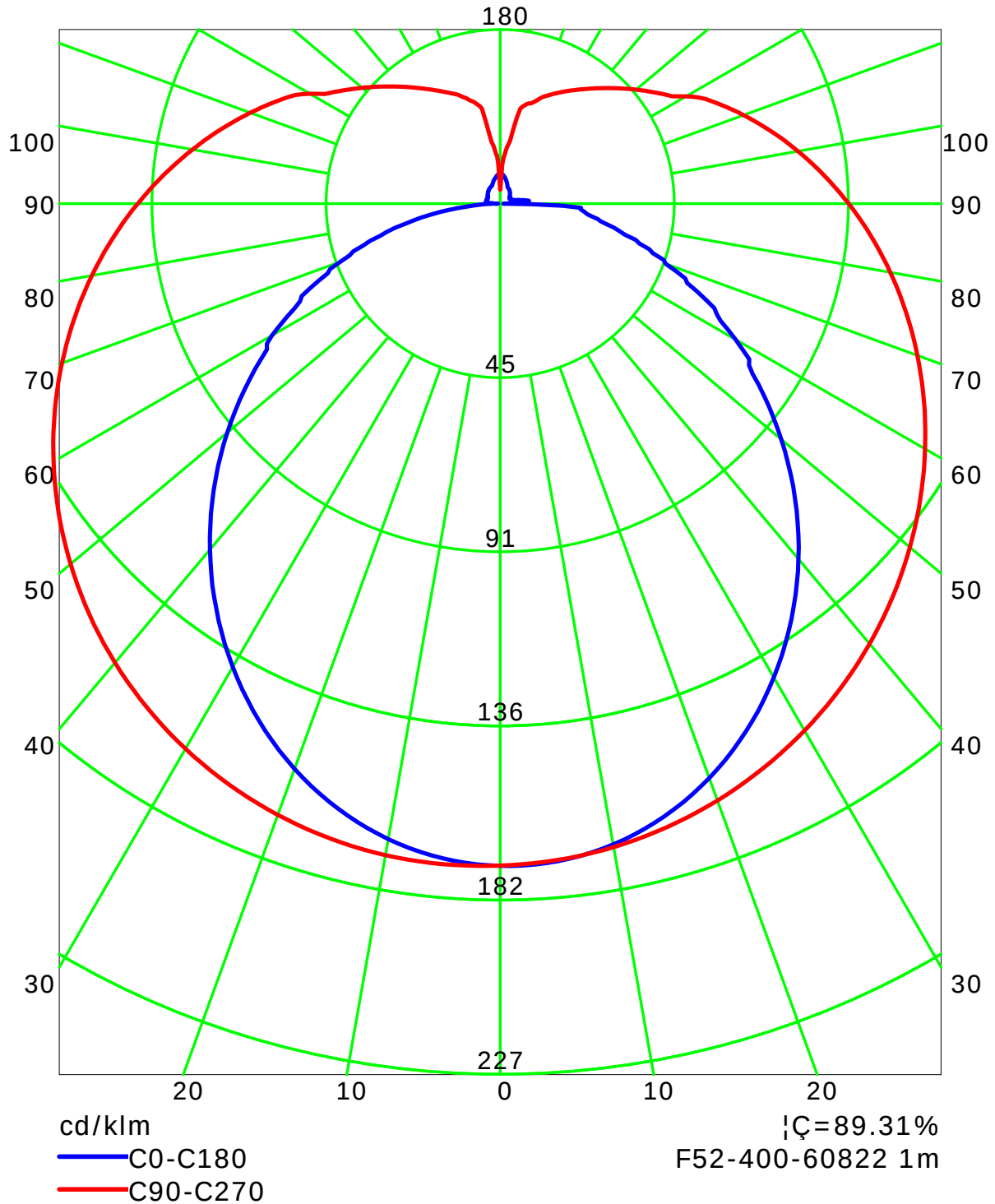
Luminous Intensity Distribution Curve



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:

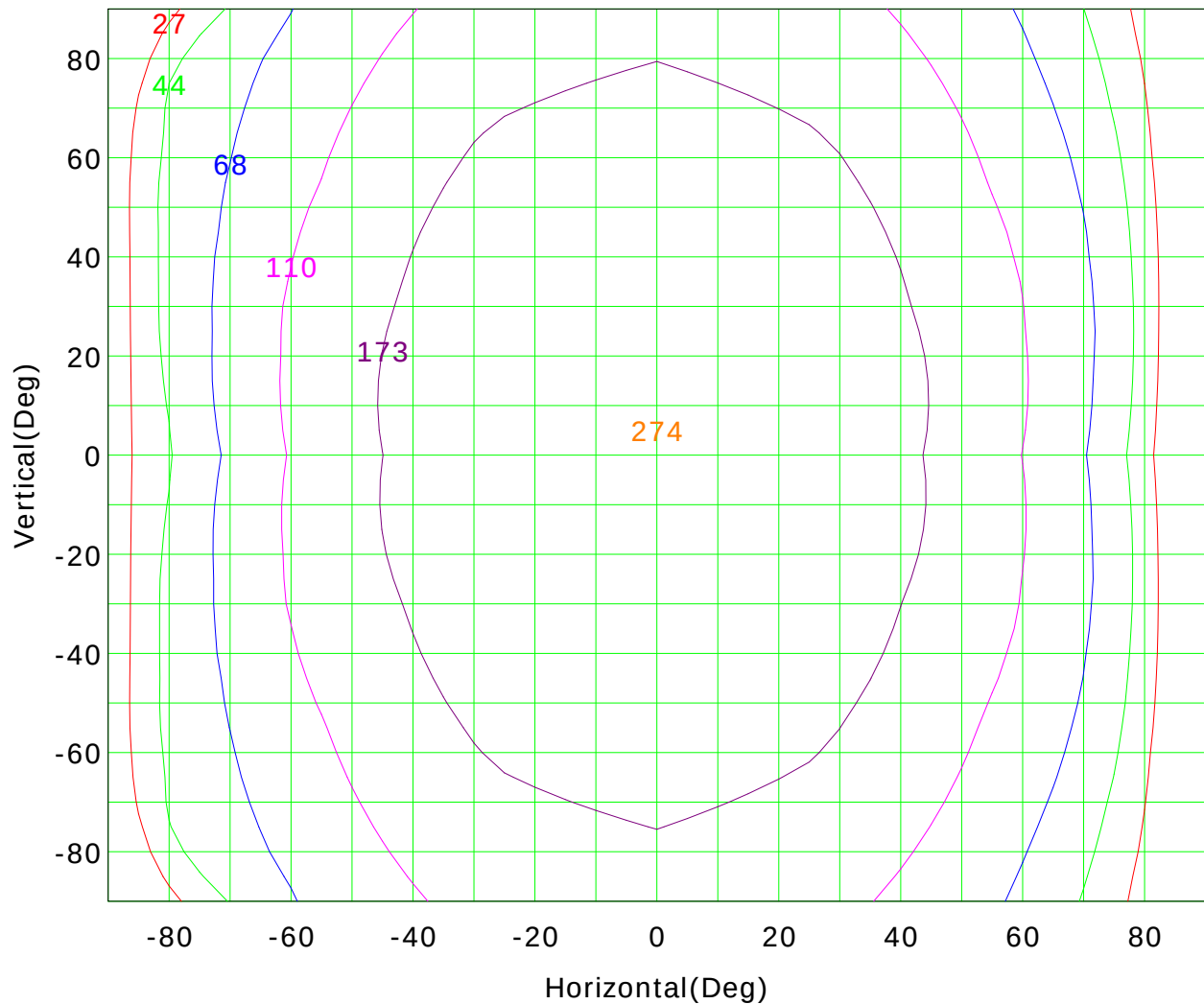
Luminous Intensity Distribution Curve(cd / klm)



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%): 274 cd

(10%):	27 cd	(16%):	44 cd
(25%):	68 cd	(40%):	110 cd
(63%):	173 cd	(100%):	274 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

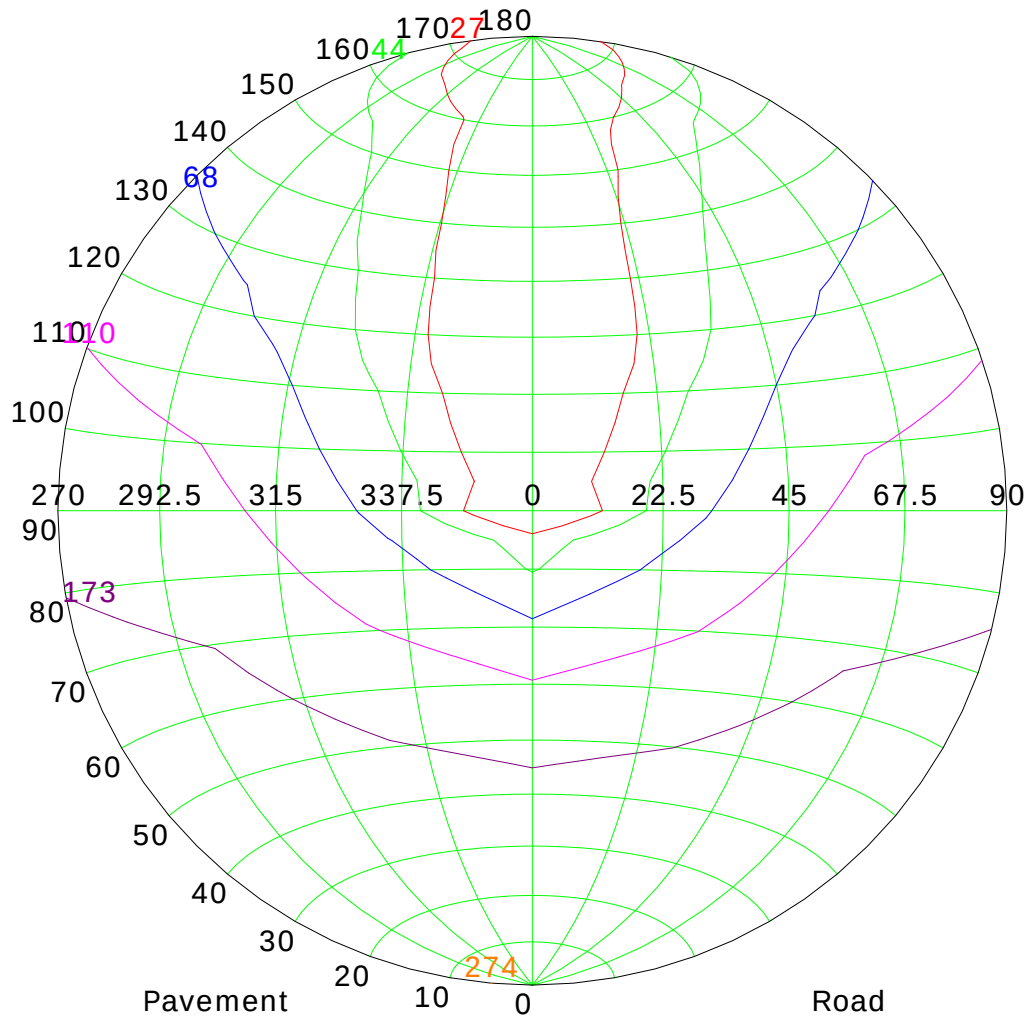
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 274 cd

(10%):	27 cd	(16%):	44 cd
(25%):	68 cd	(40%):	110 cd
(63%):	173 cd	(100%):	274 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

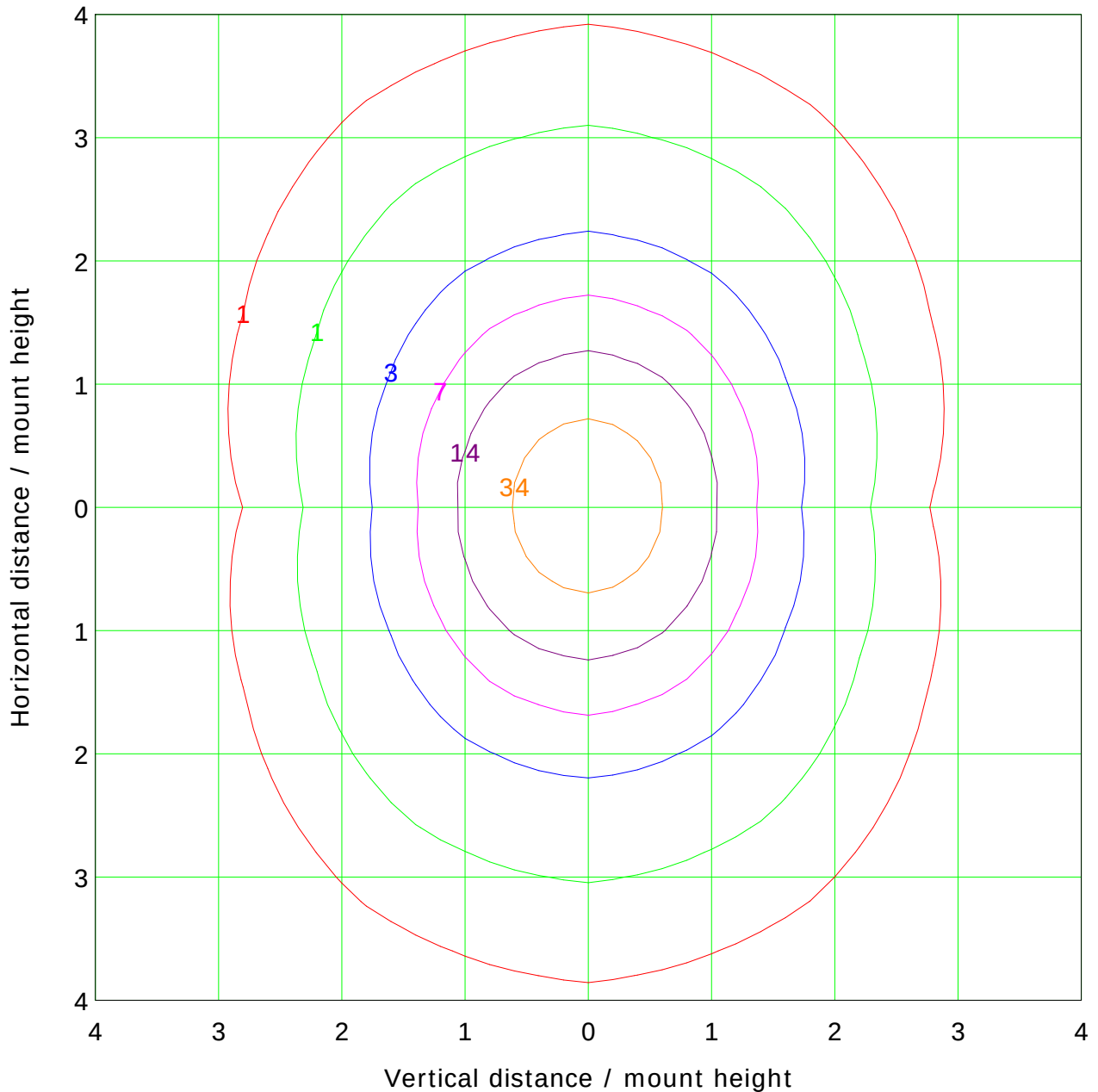
Test Device: GPM-1800B

Distance: 7.979 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 68.4 lx	
— (1%):	0.7 lx	— (2%):	1.4 lx
— (5%):	3.4 lx	— (10%):	6.8 lx
— (20%):	13.7 lx	— (50%):	34.2 lx
— (100%):	68.4 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

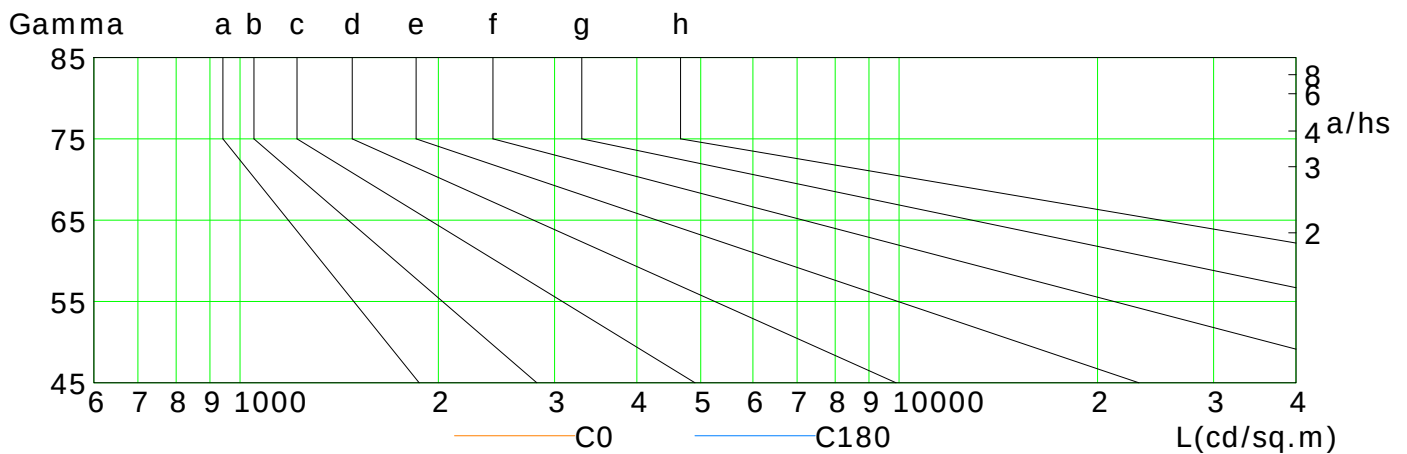
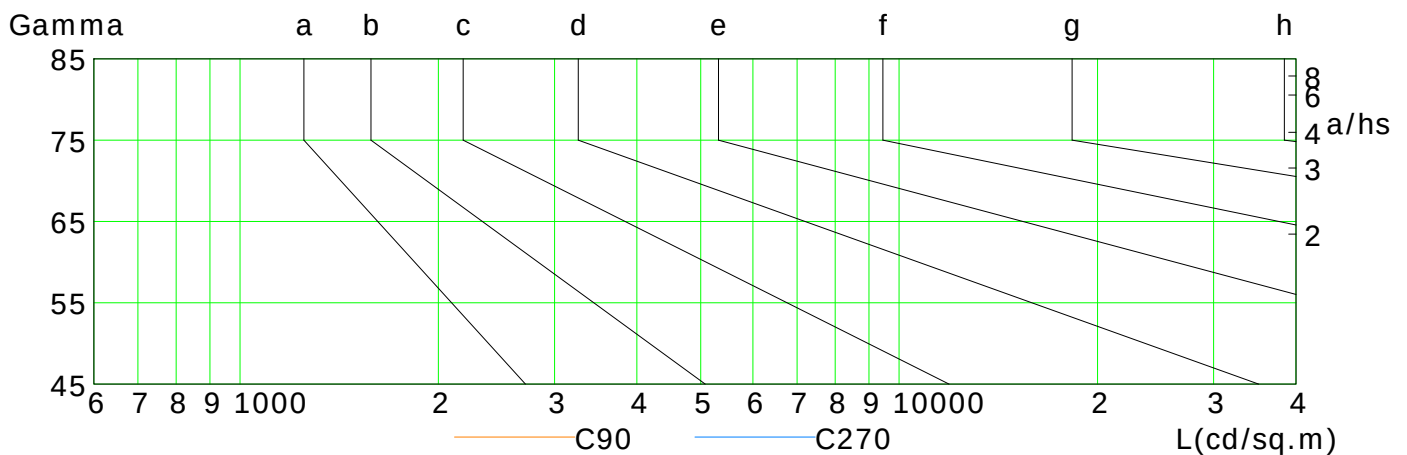
Humidity:

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	172	152	130	112	94	73	58	42	34
C90	230	221	212	203	193	183	174	164	154
C180	167	147	126	109	91	70	51	33	14
C270	240	232	223	213	203	193	182	171	161

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

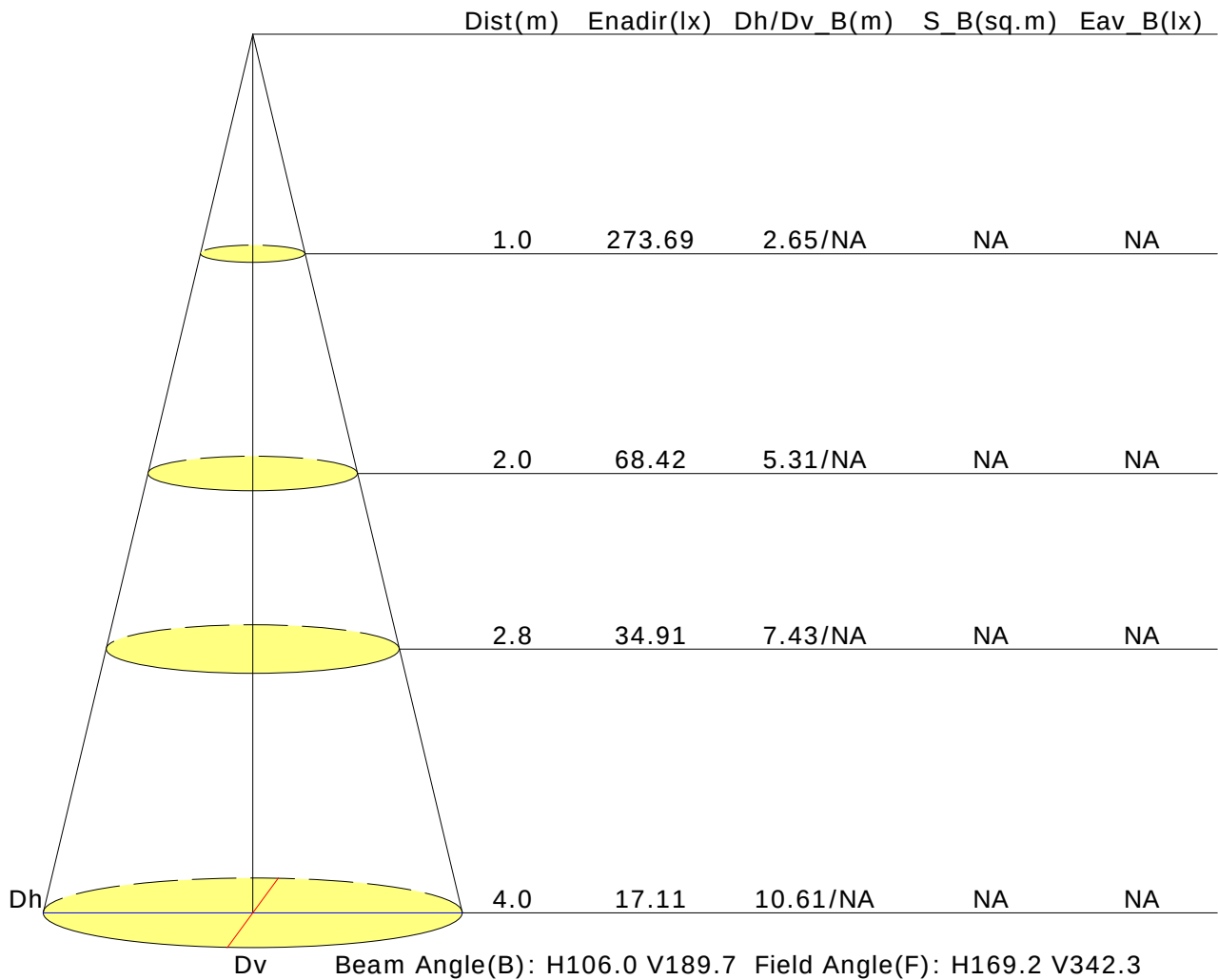
Test Device: GPM-1800B

Distance: 7.979 m

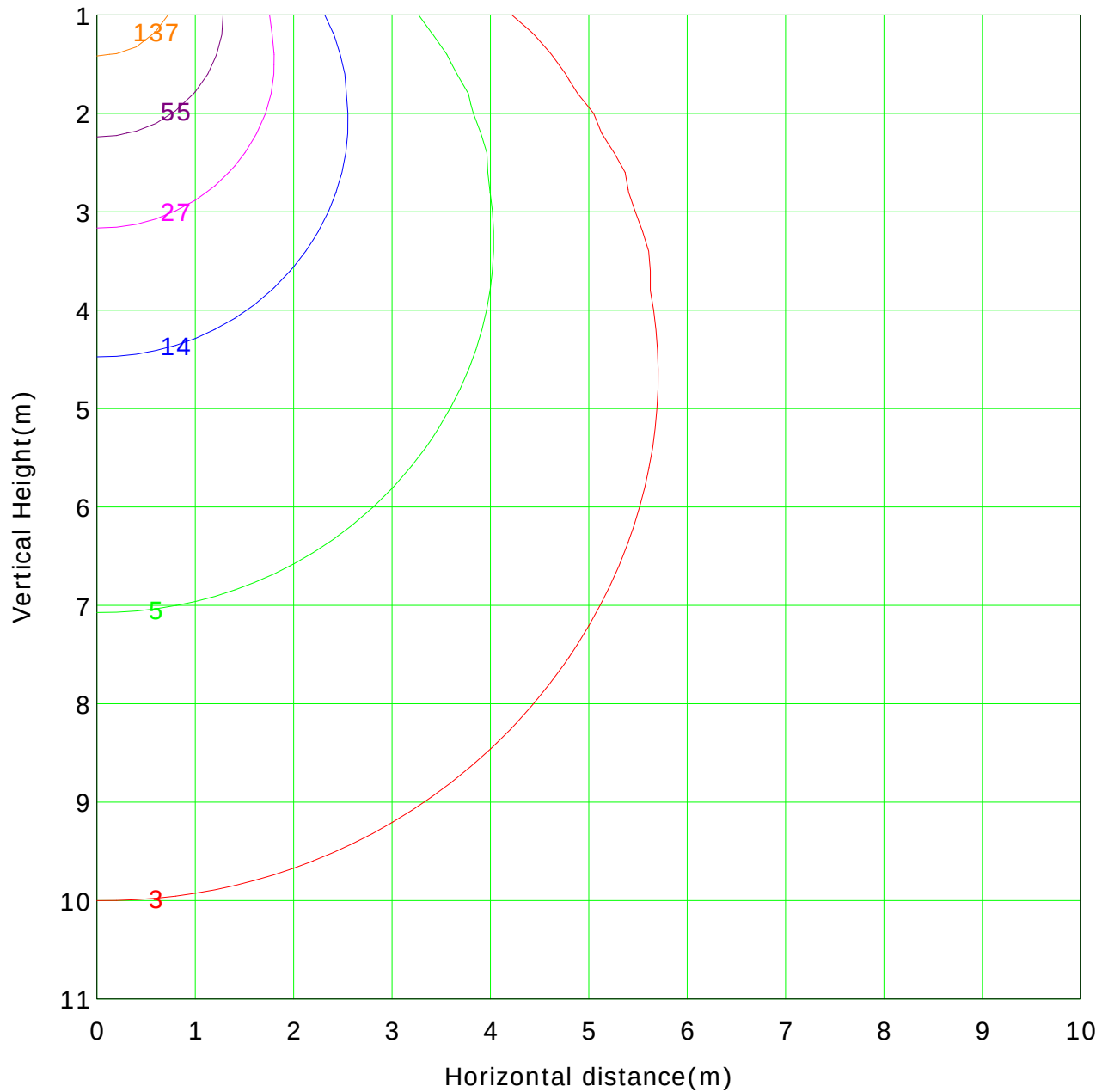
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 273.7 lx

(1%): 2.7 lx	(2%): 5.5 lx
(5%): 13.7 lx	(10%): 27.4 lx
(20%): 54.7 lx	(50%): 136.8 lx
(100%): 273.7 lx	