

Report No.:

Test Time: 01/08/2018 16:42

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-NE02-15 + LLD-15-WM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.596 A

Power: 14.31 W

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 1378.6 lm

Downward Ratio: 67.96%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 87.31%

Upward Ratio: 19.35%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.9, 325.8, 302.7, 300.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.1, 188.1, 146.0, 144.4

Luminaire Efficacy Rating (LER): 96.39

Central Intensity: 274.56 cd

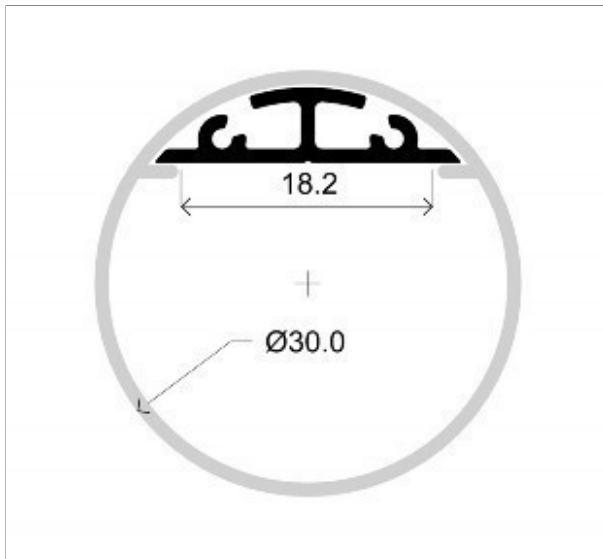
Max. Intensity: 274.56 cd

Pos of Max. Intensity: H0 V0

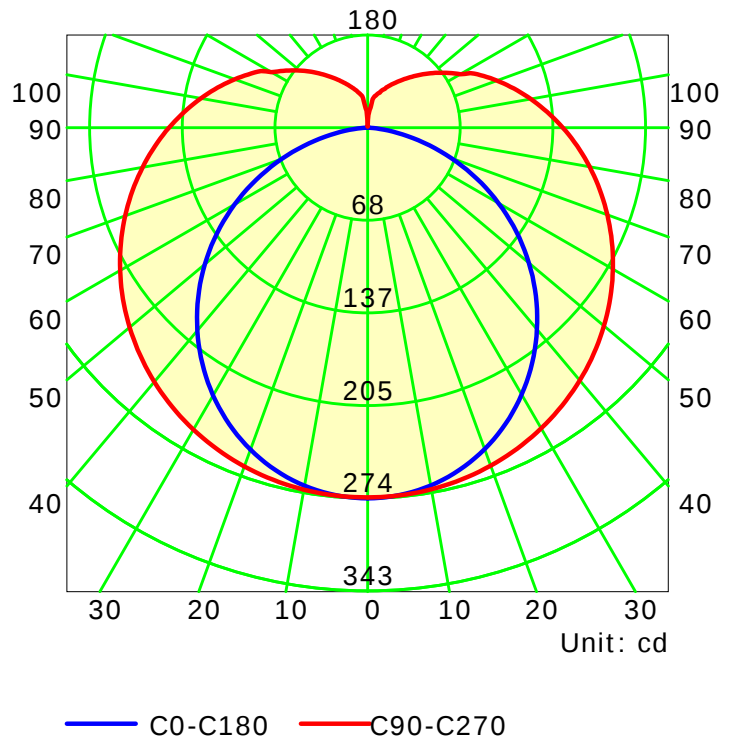
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.41

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

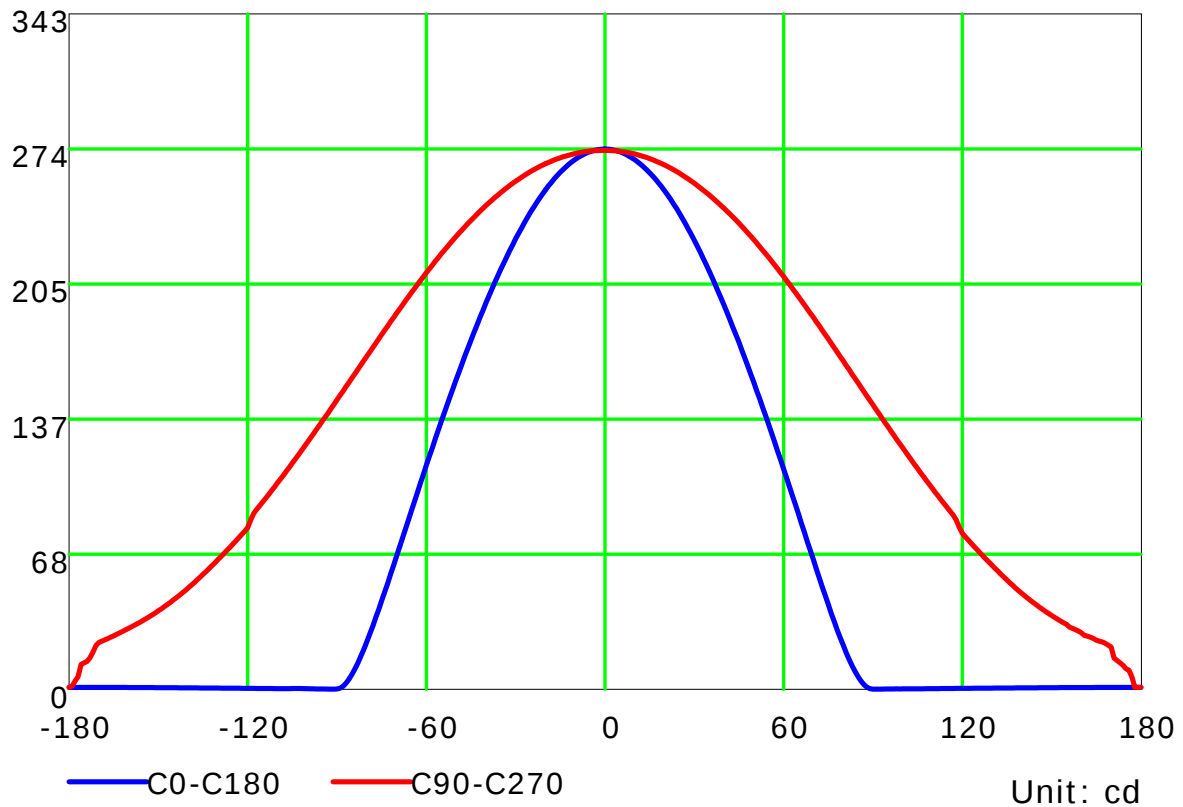
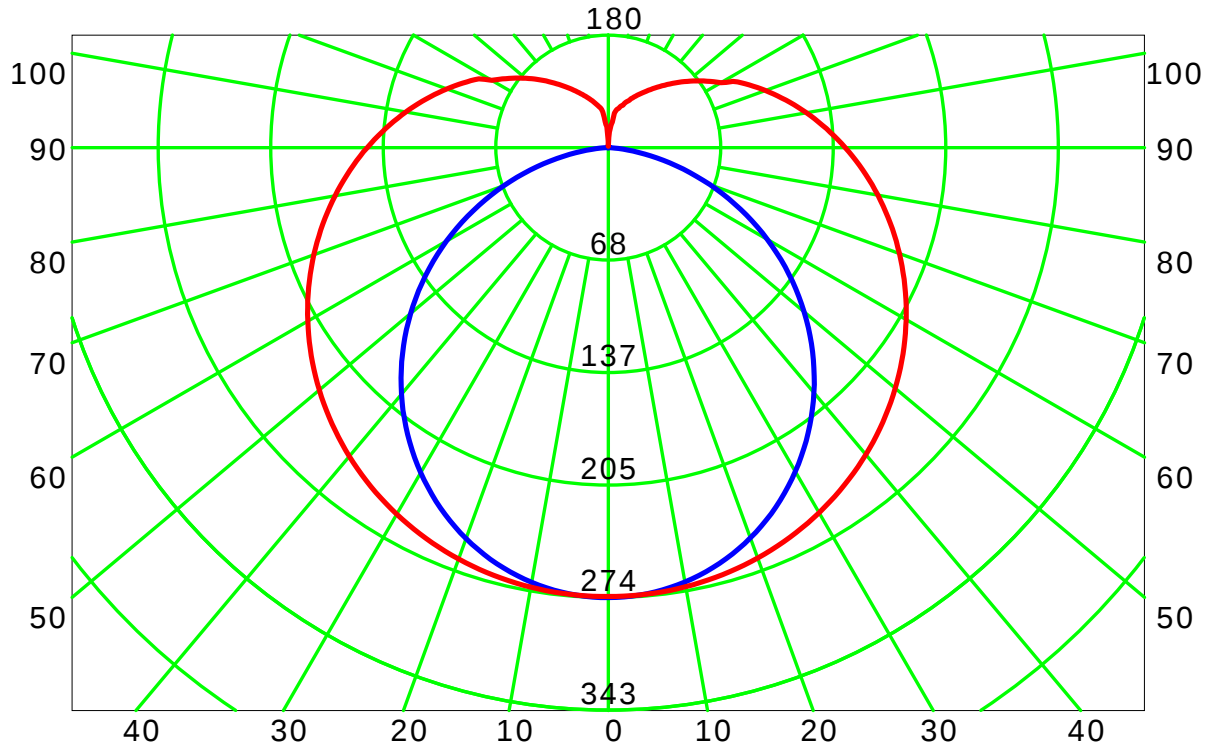
Test Device: GPM-2000

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

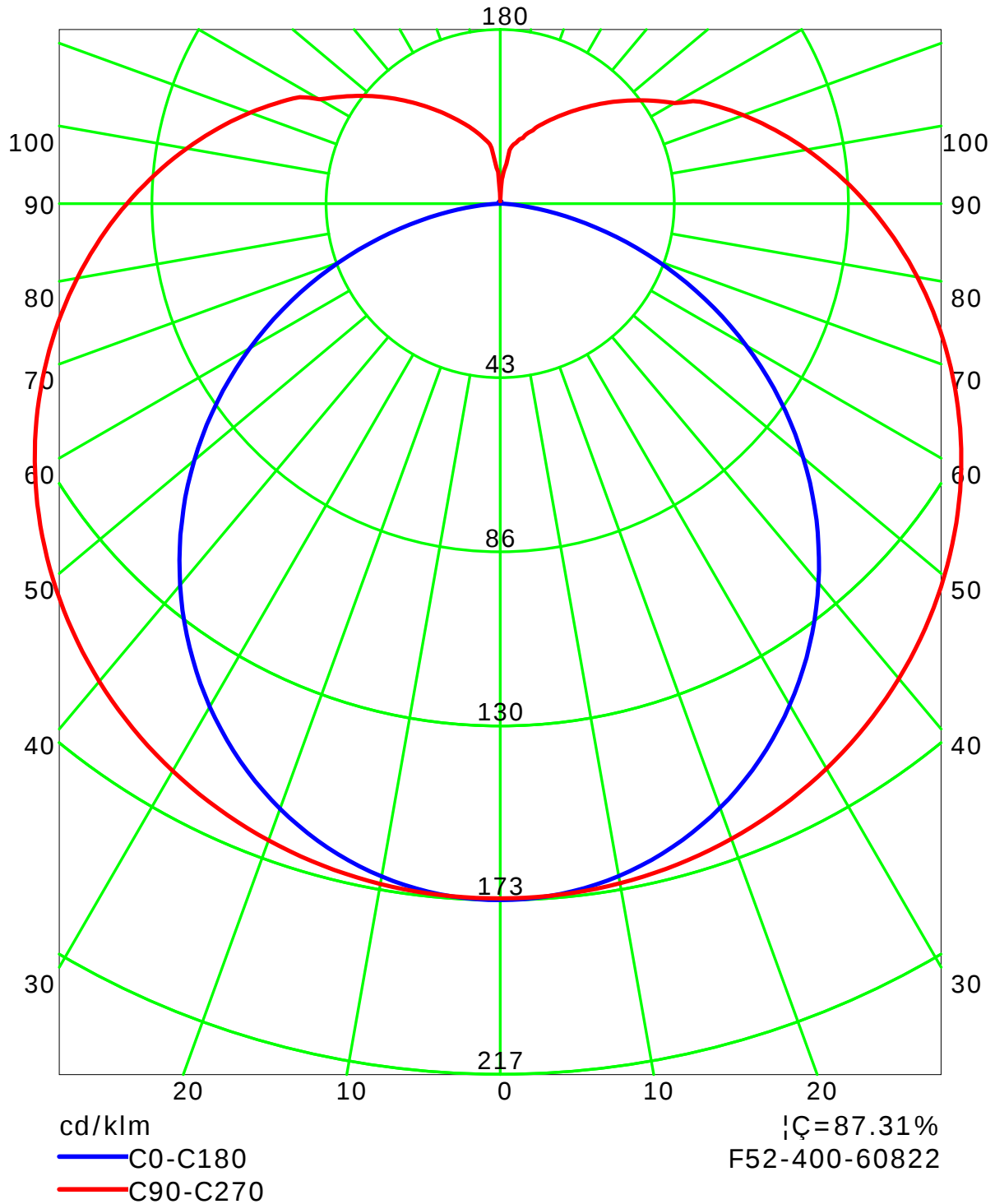
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

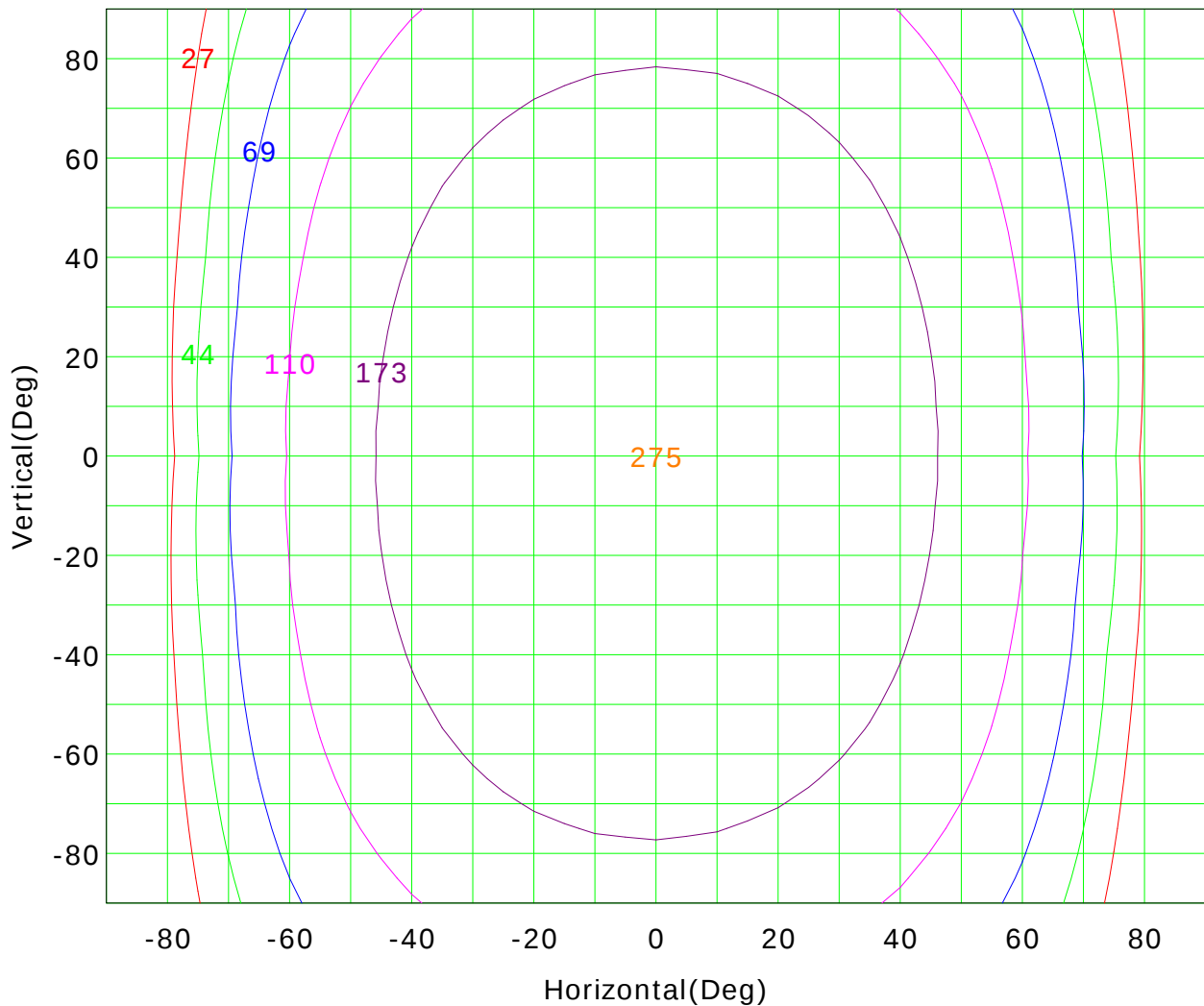
Luminous Intensity Distribution Curve(cd / klm)



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%): 275 cd

(10%):	27 cd	(16%):	44 cd
(25%):	69 cd	(40%):	110 cd
(63%):	173 cd	(100%):	275 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

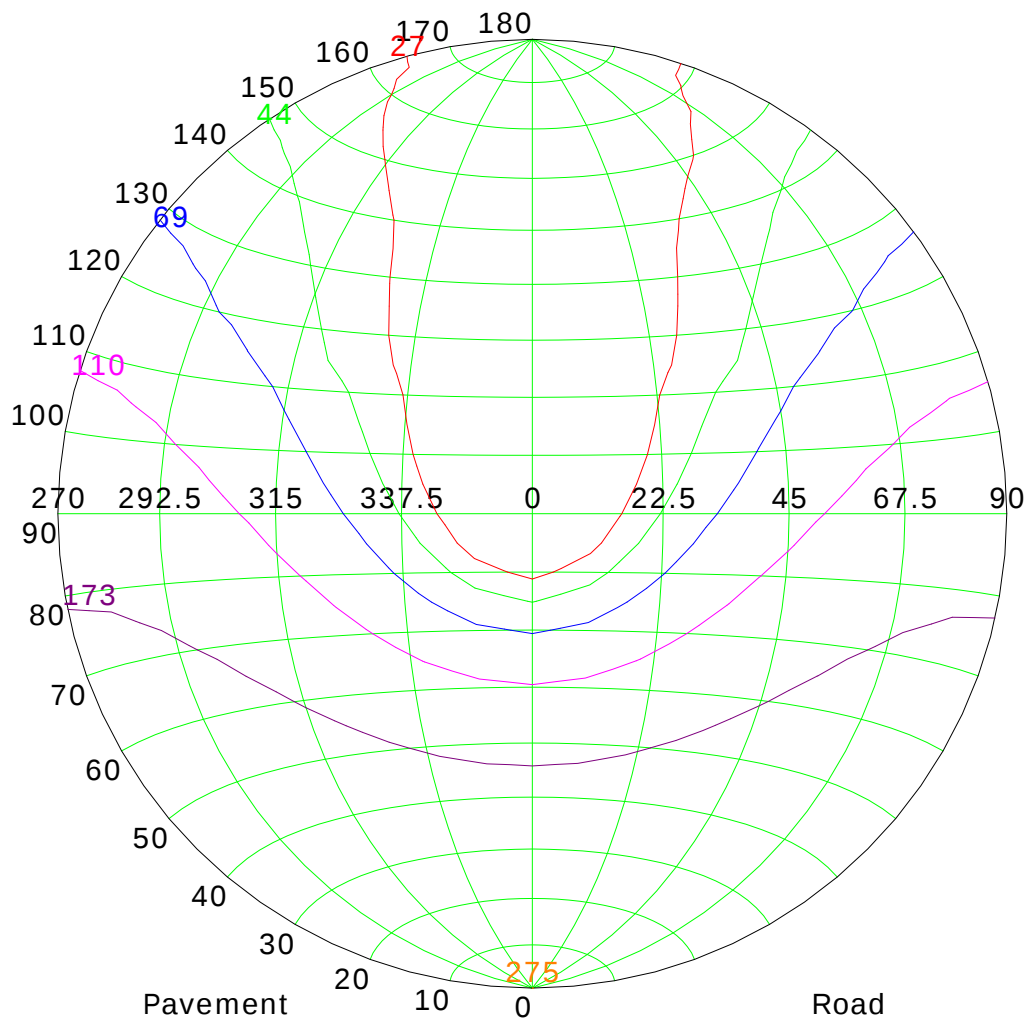
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 275 cd

(10%):	27 cd	(16%):	44 cd
(25%):	69 cd	(40%):	110 cd
(63%):	173 cd	(100%):	275 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

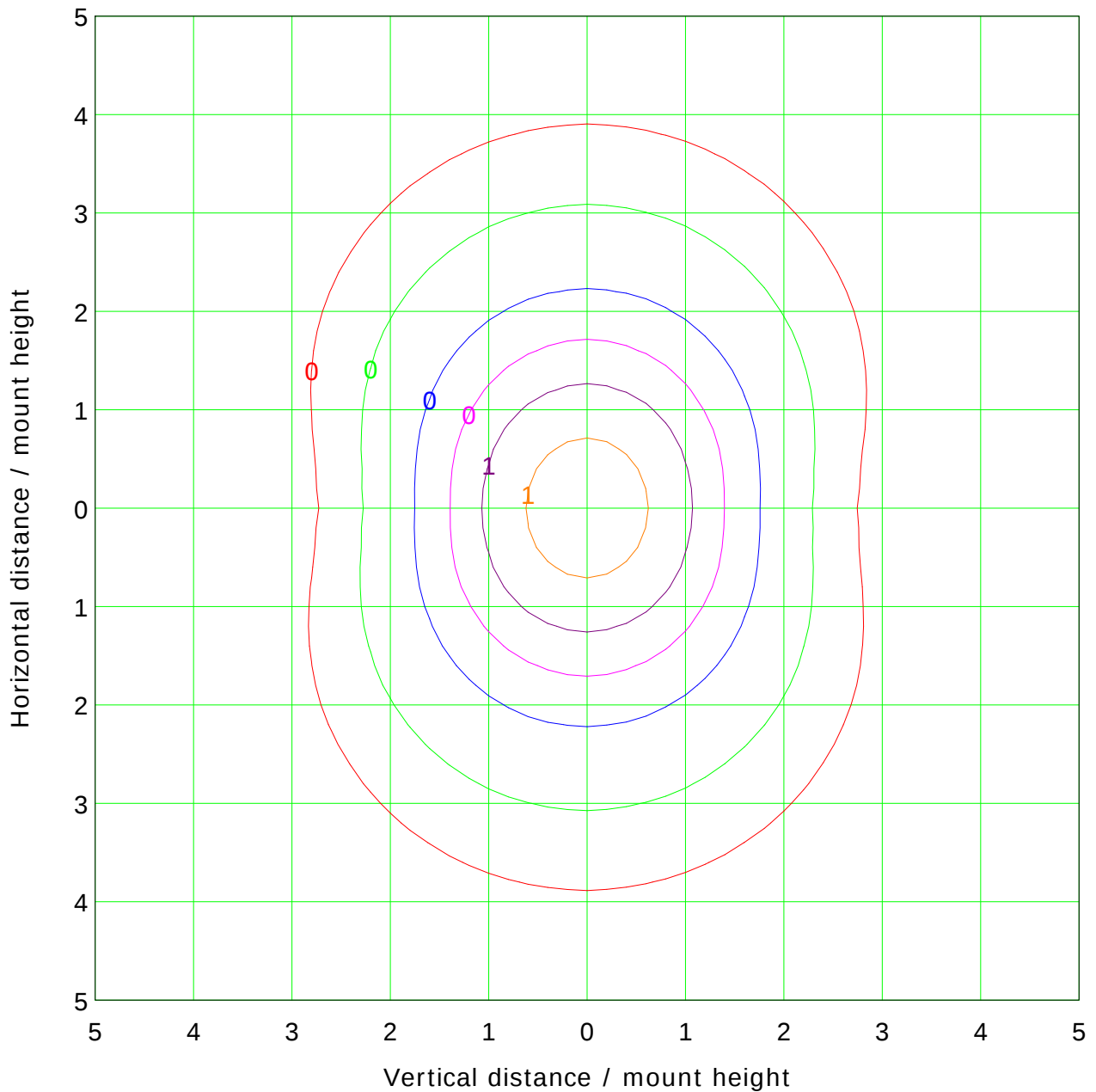
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 2.7 lx	
— (1%):	0.0 lx	— (2%):	0.1 lx
— (5%):	0.1 lx	— (10%):	0.3 lx
— (20%):	0.5 lx	— (50%):	1.4 lx
— (100%):	2.7 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

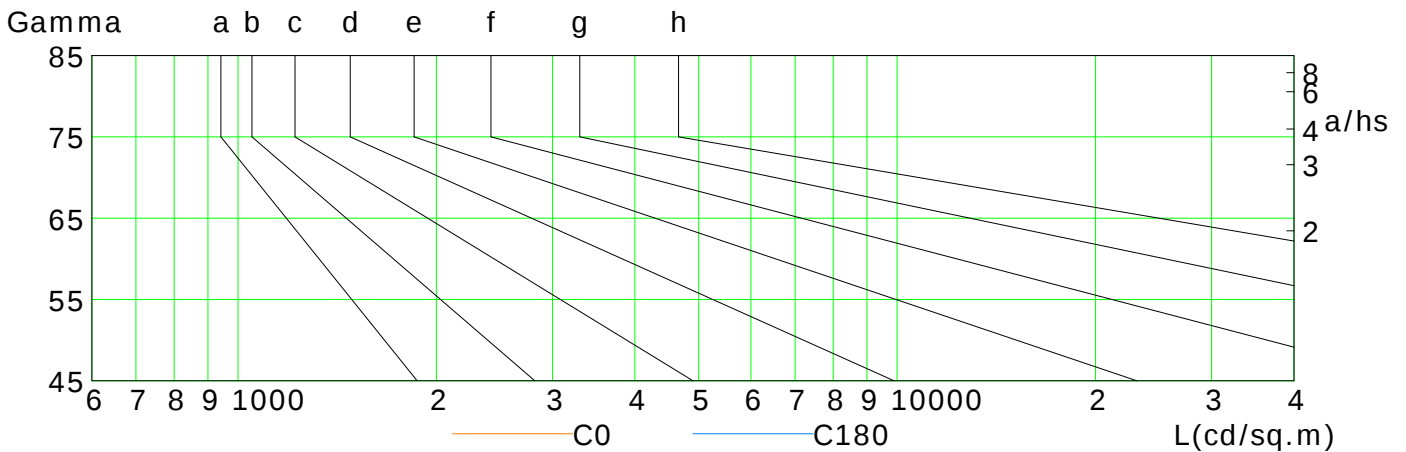
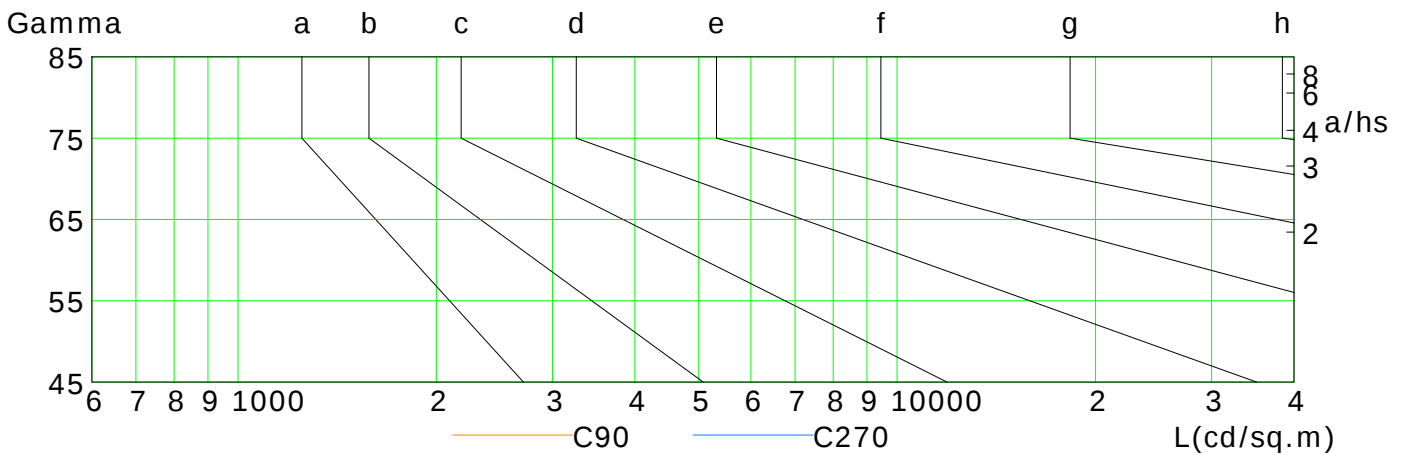
Humidity:

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	176	156	134	112	89	66	43	23	6
C90	237	228	219	210	200	189	178	167	156
C180	177	157	136	114	91	68	45	24	8
C270	238	230	221	212	202	191	180	169	158

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

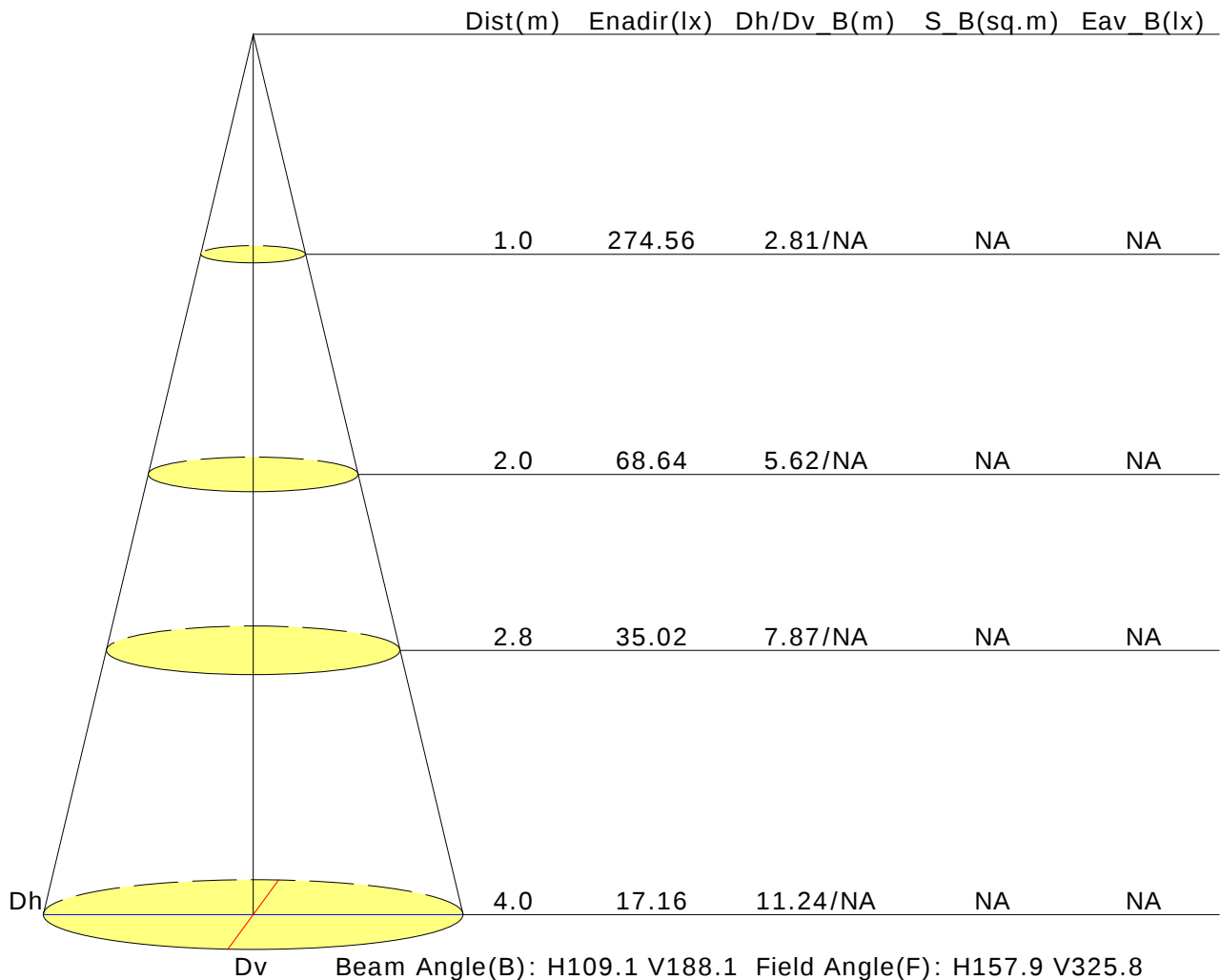
Test Device: GPM-2000

Distance: 7.970 m

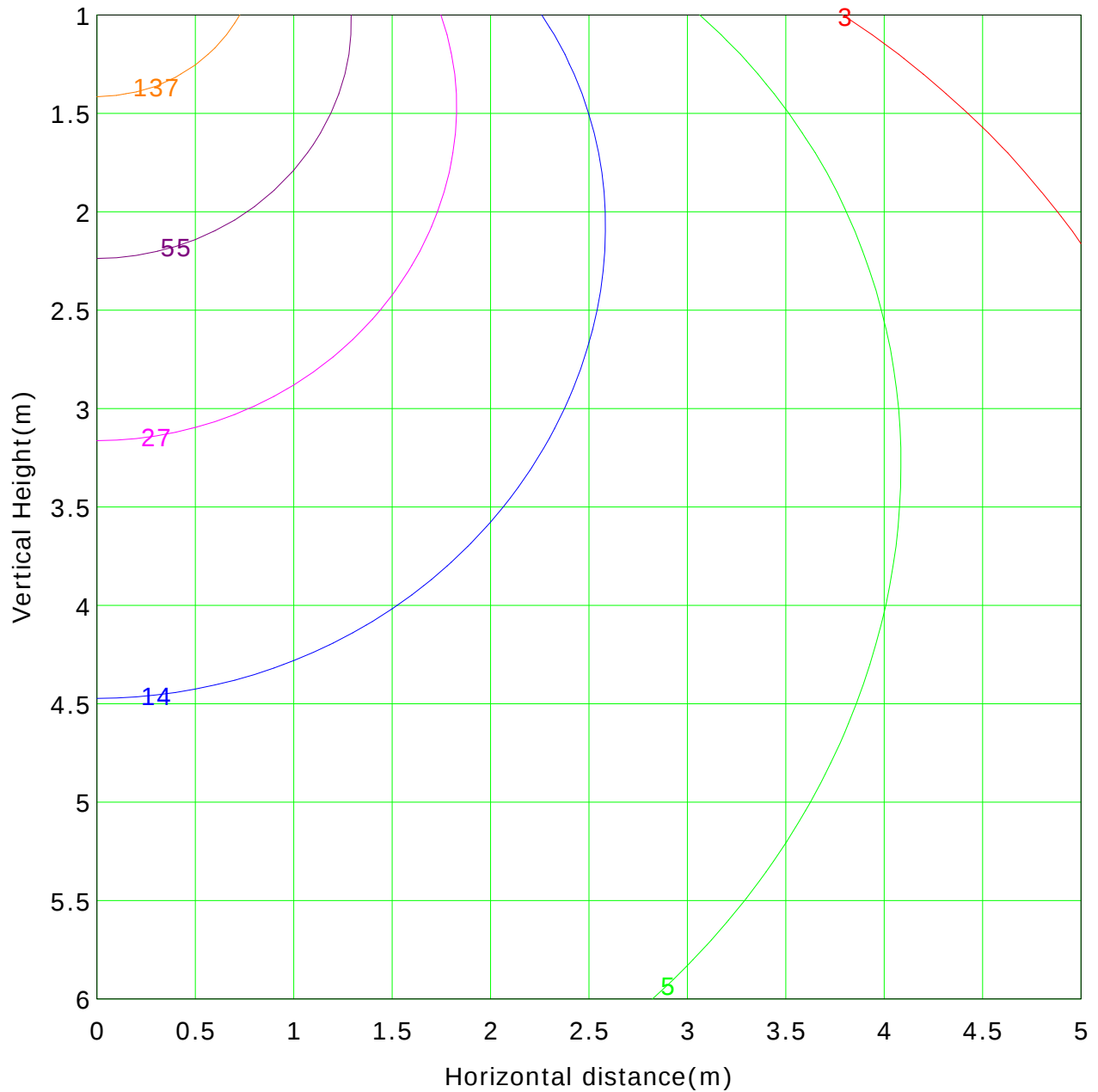
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 274.6 lx
(1%): 2.7 lx	(2%): 5.5 lx	
(5%): 13.7 lx	(10%): 27.5 lx	
(20%): 54.9 lx	(50%): 137.3 lx	
(100%): 274.6 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: