

Report No.:

Test Time: 26/09/2019 16:54

Luminaire Property

Luminaire Manufacturer: Lighting Line
Lamp Description: F52-400-60822
Lumens per Lamp: 405
Current: 0.241 A
Power Factor: 1.000

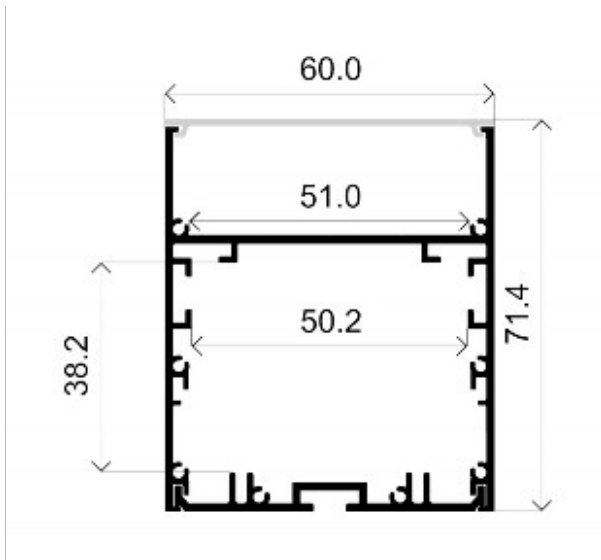
Number of Lamps: 1
Voltage: 24.0 V
Power: 5.77 W

Photometric Results

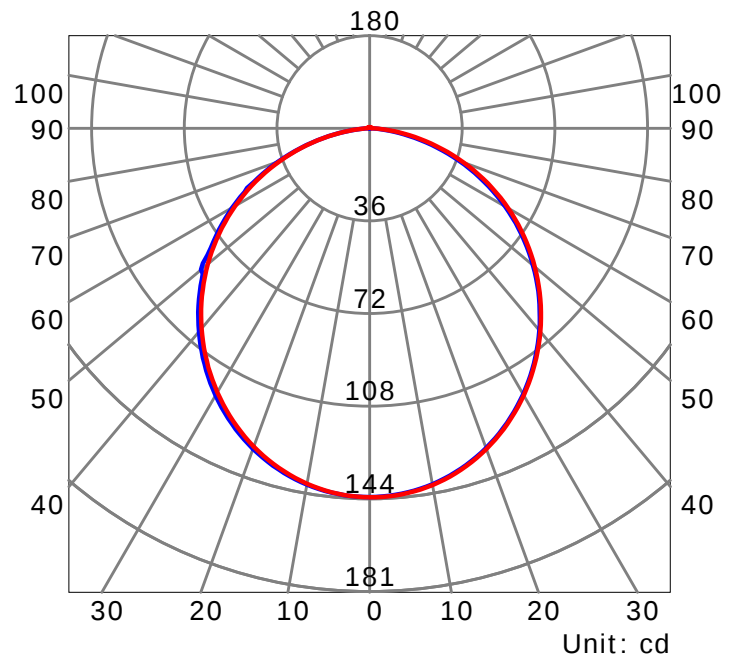
CIE Class: Direct
Measurement Flux: 404.9 lm
Downward Ratio: 99.30%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.5, 160.5, 160.1, 160.1
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.8, 110.6, 110.7, 110.7
Luminaire Efficacy Rating (LER): 70.23
Max. Intensity: 144.37 cd
S/MH(C0/C180): 1.24

Total Rated Lamp Lumens: 405.0 lm
Efficiency: 99.98%
Upward Ratio: 0.69%
Central Intensity: 144.21 cd
Pos of Max. Intensity: H160 V1
S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve

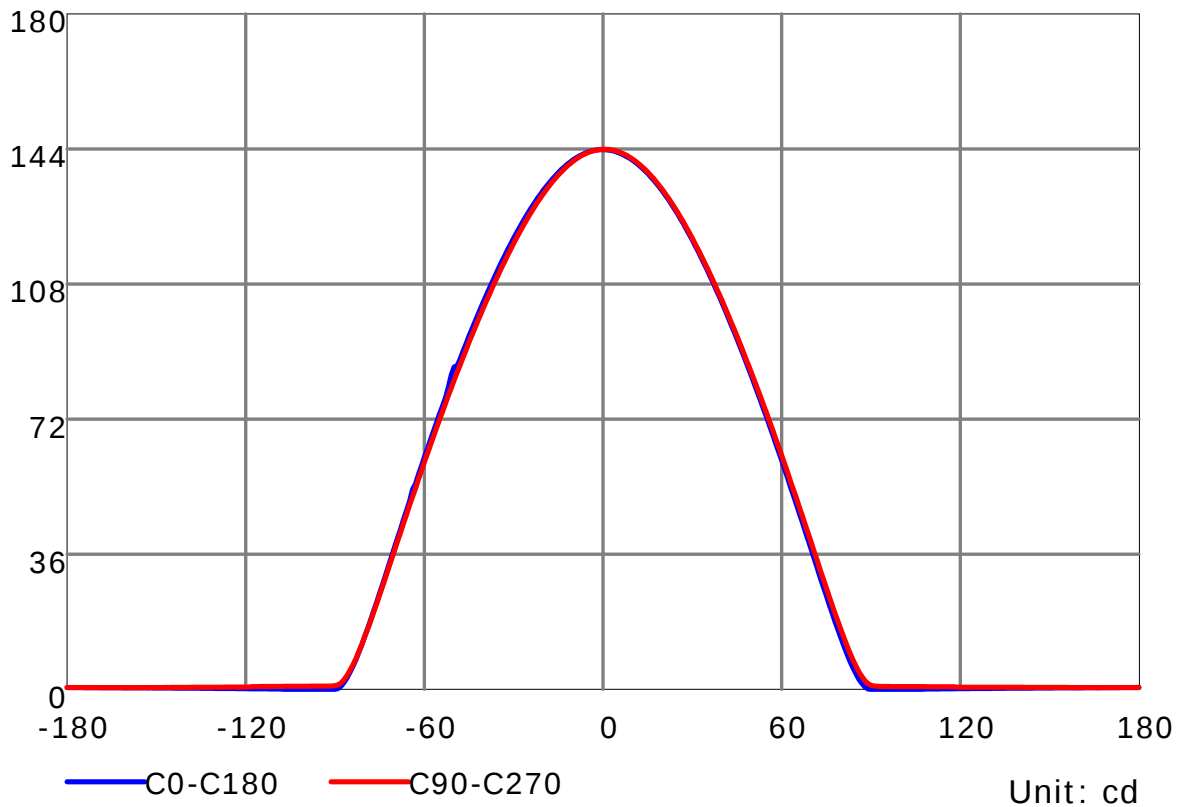
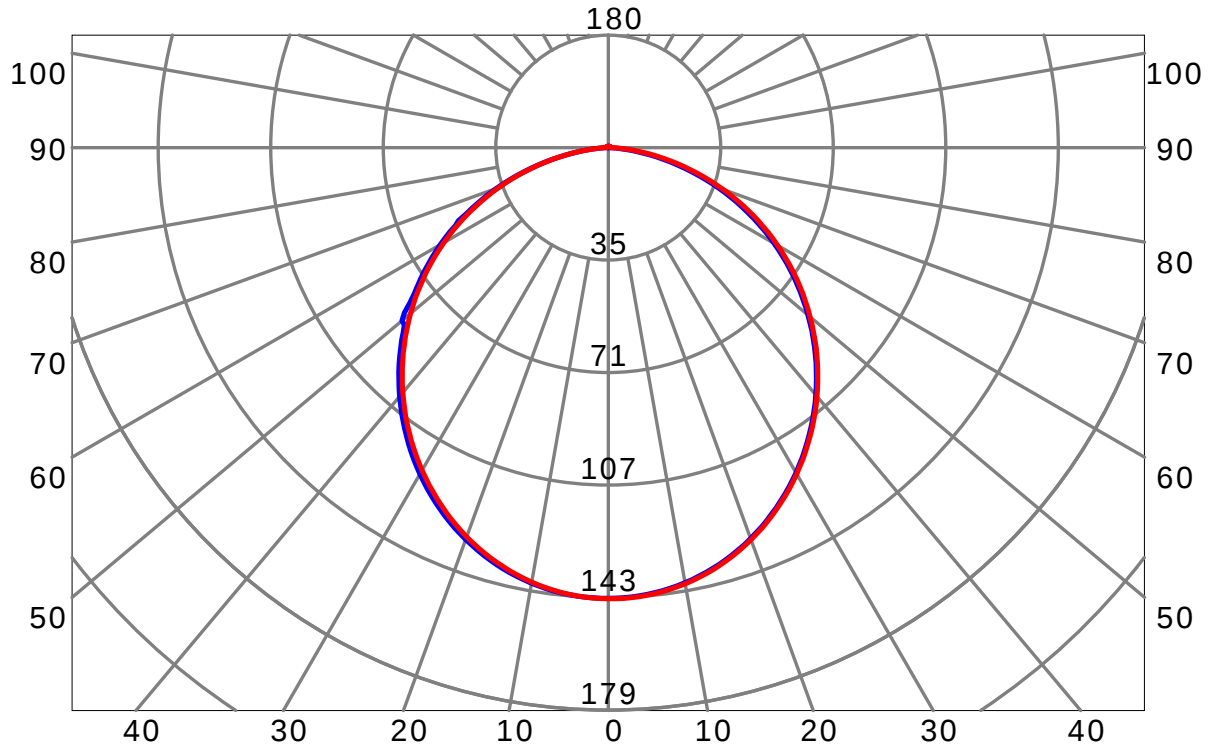


— C0-C180 — C90-C270

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:

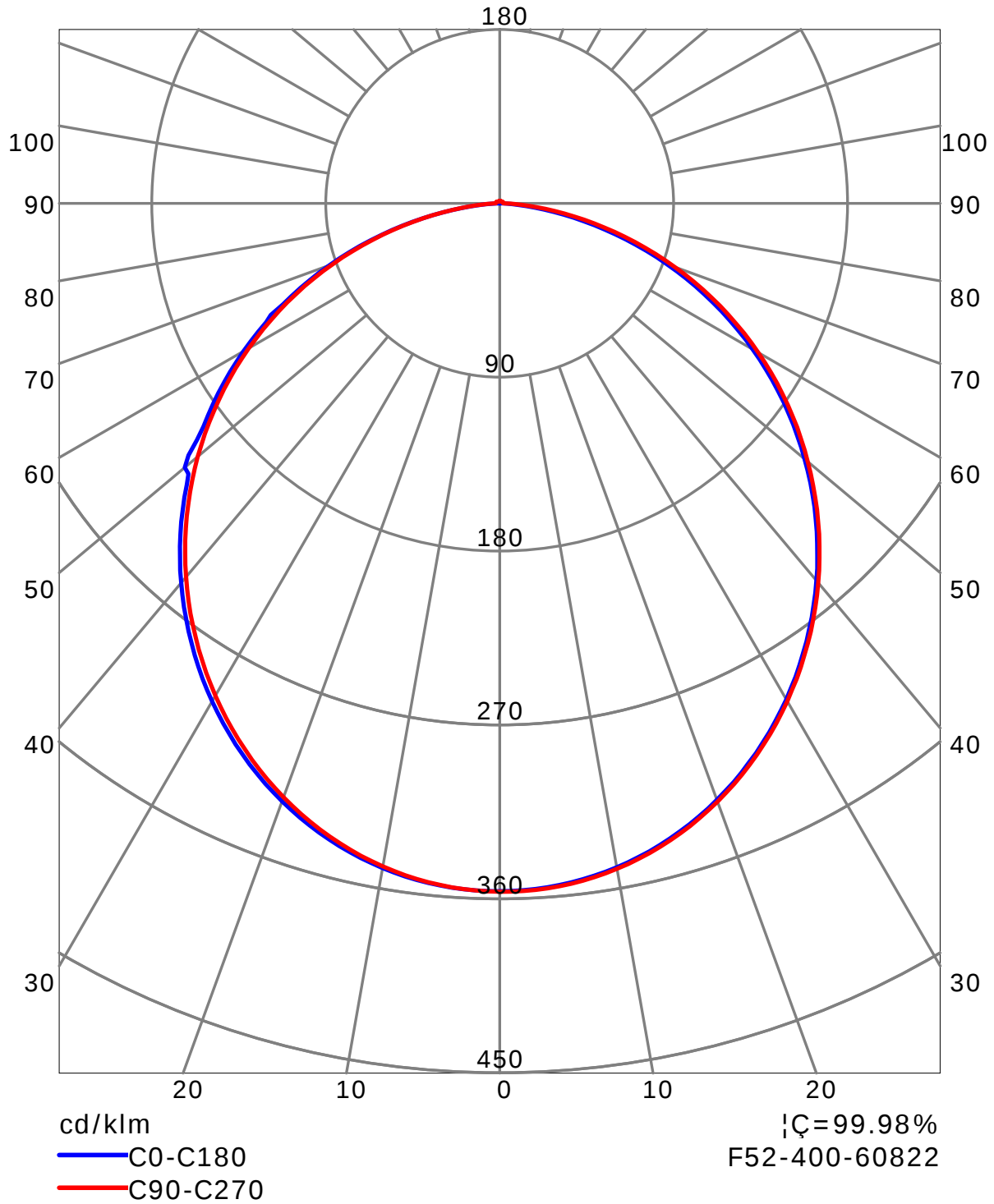
Luminous Intensity Distribution Curve



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:

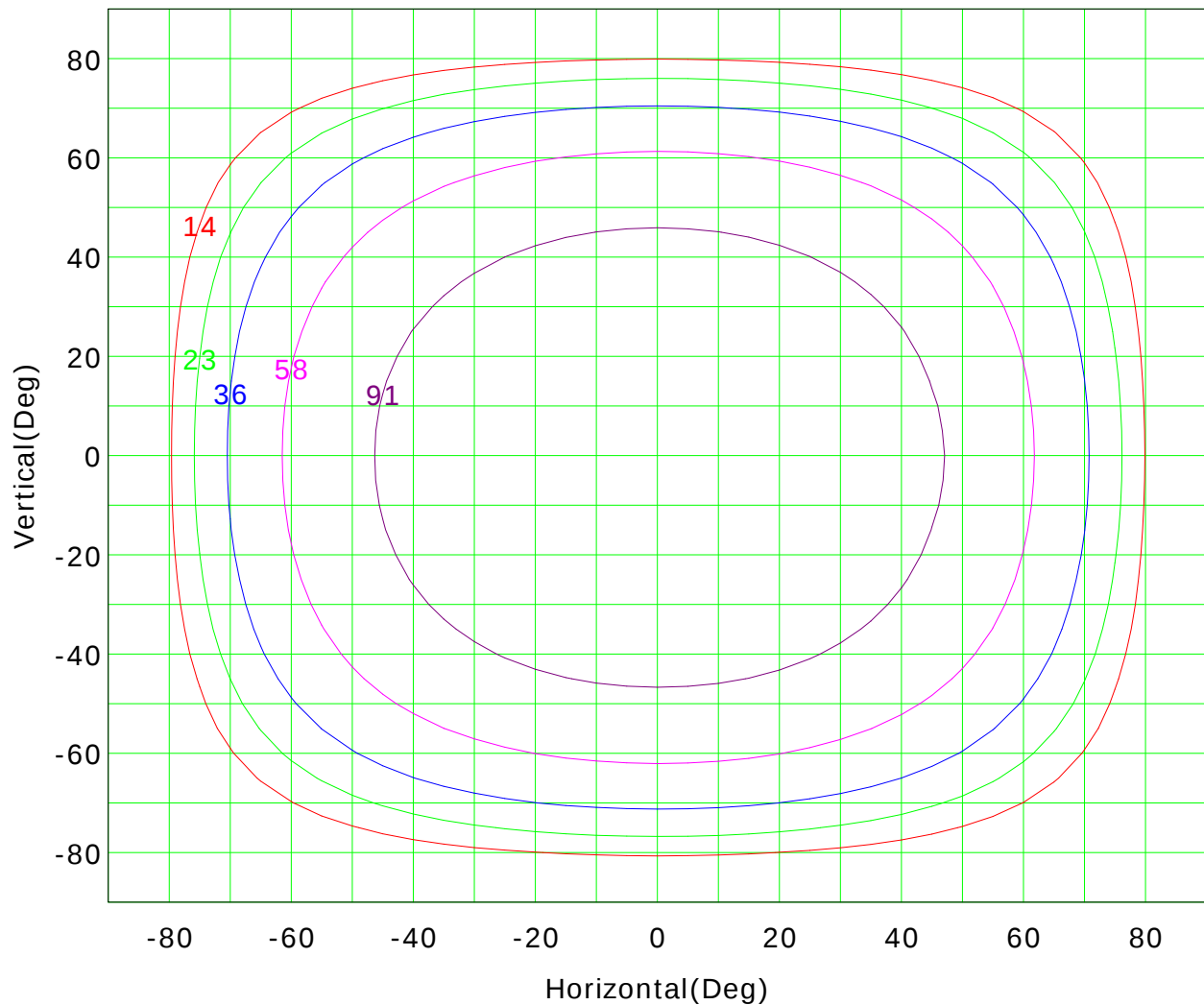
Luminous Intensity Distribution Curve(cd / klm)



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%): 144 cd

(10%):	14 cd	(16%):	23 cd
(25%):	36 cd	(40%):	58 cd
(63%):	91 cd	(100%):	144 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

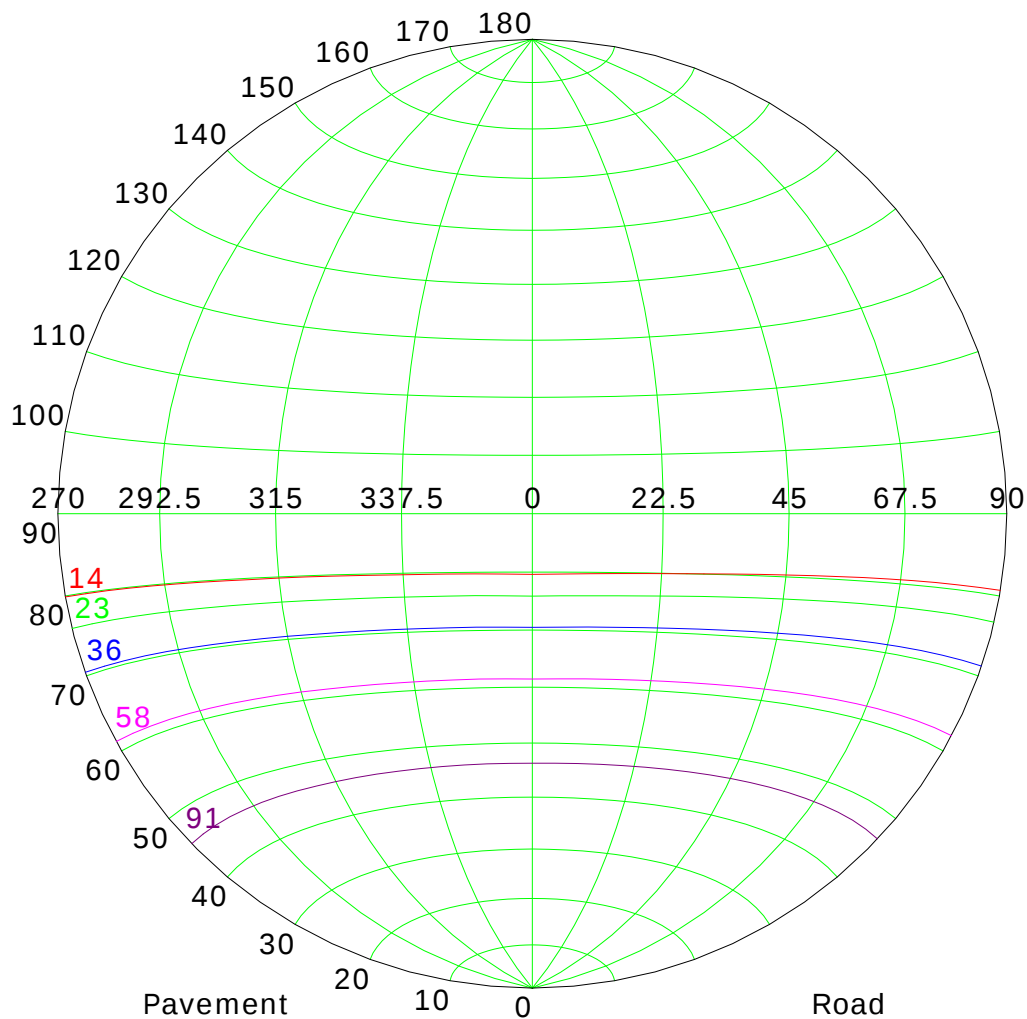
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 144 cd

(10%):	14 cd	(16%):	23 cd
(25%):	36 cd	(40%):	58 cd
(63%):	91 cd	(100%):	144 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

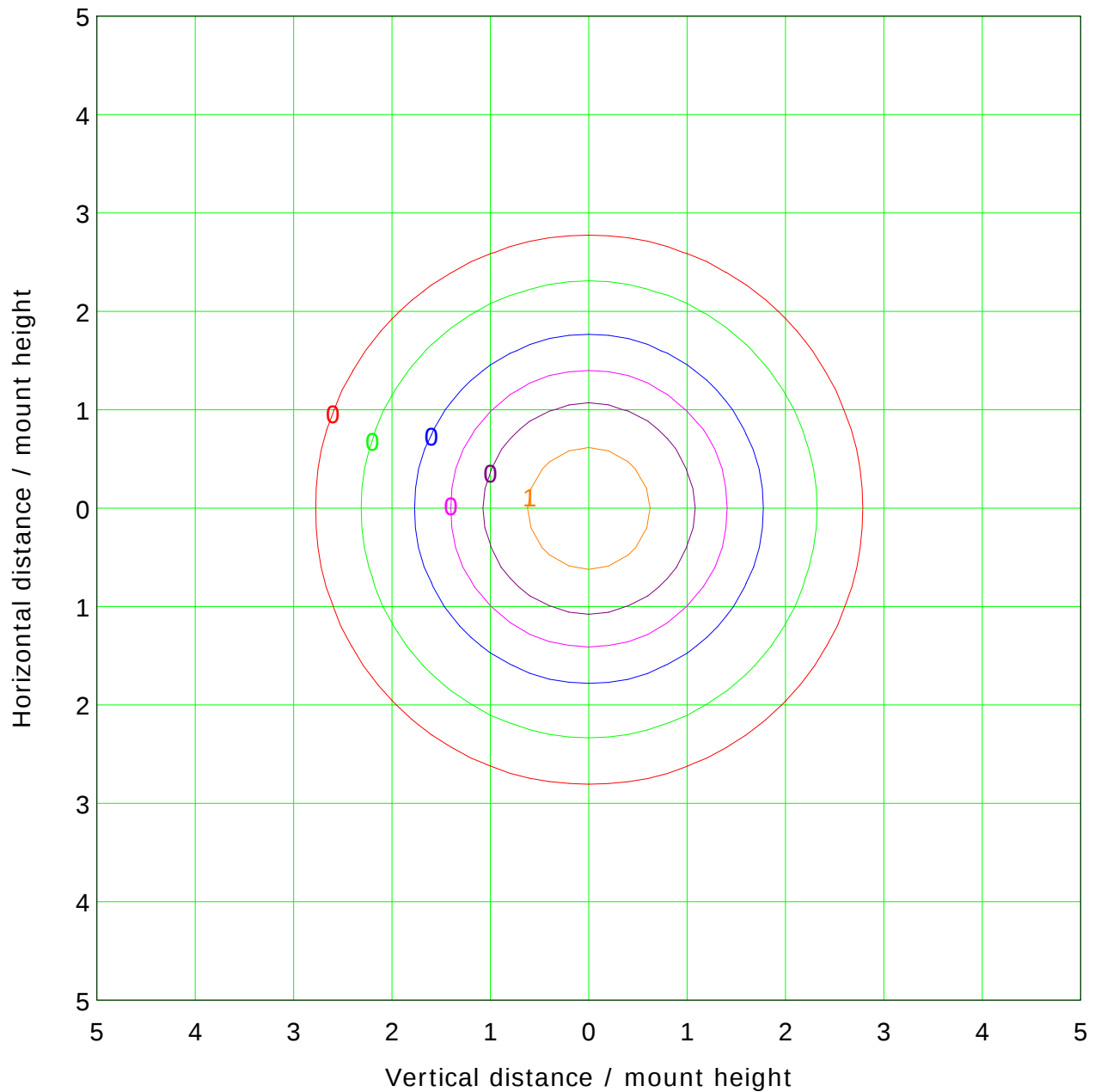
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 1.4 lx	
— (1%):	0.0 lx	— (2%):	0.0 lx
— (5%):	0.1 lx	— (10%):	0.1 lx
— (20%):	0.3 lx	— (50%):	0.7 lx
— (100%):	1.4 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

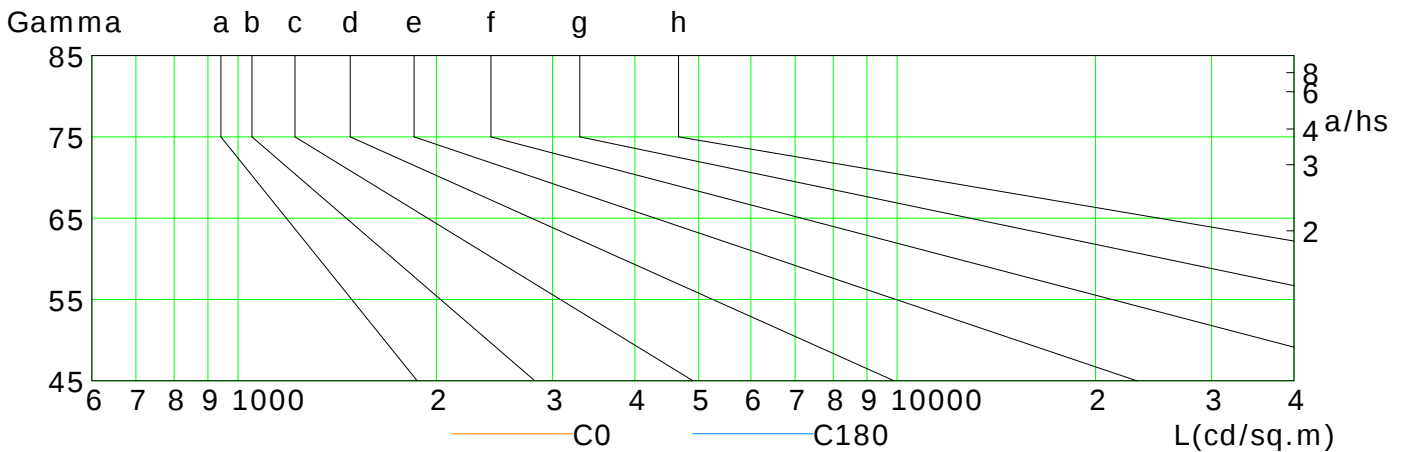
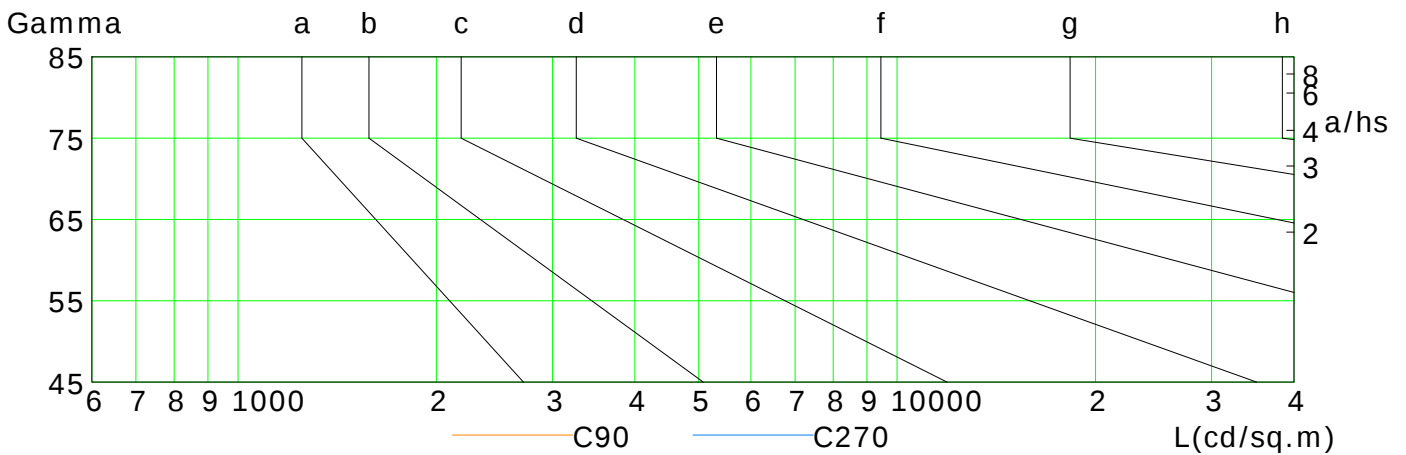
Humidity:

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	94	83	73	61	49	37	25	14	4
C90	94	84	74	63	51	39	27	16	6
C180	94	86	73	62	50	38	26	14	5
C270	93	83	72	61	49	37	25	14	5

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

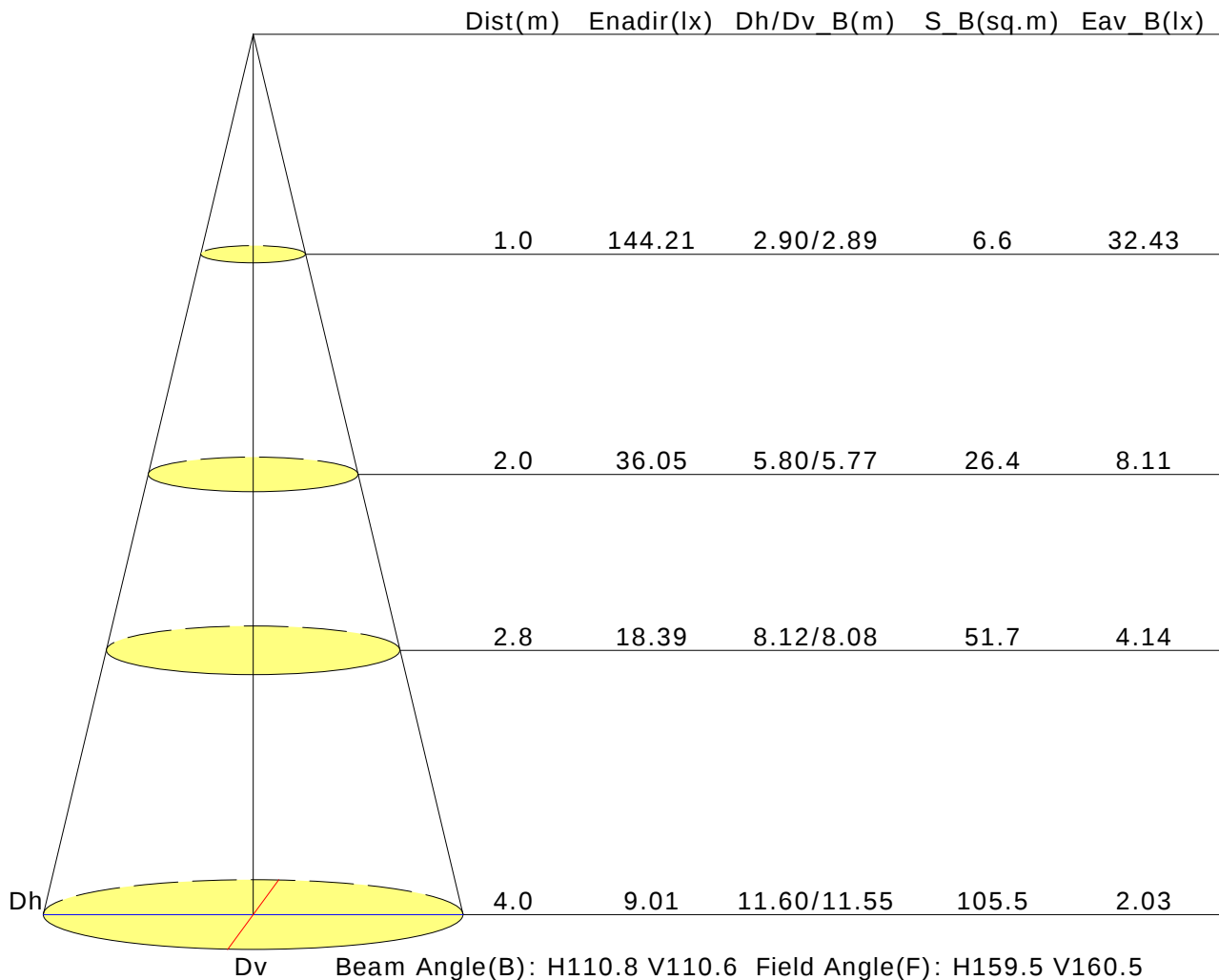
Test Device: GPM-2000

Distance: 7.970 m

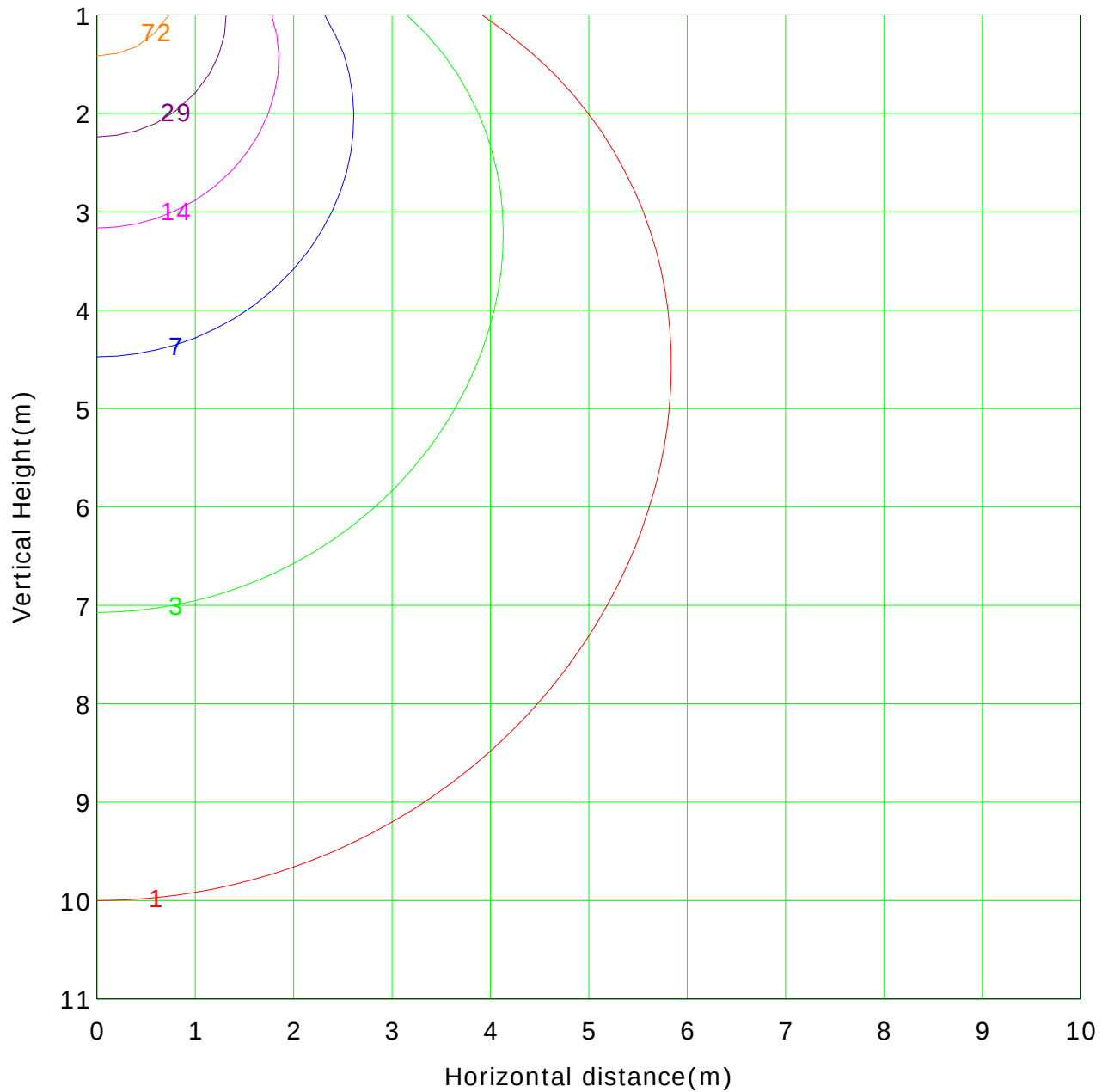
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 144.2 lx

— (1%): 1.4 lx	— (2%): 2.9 lx
— (5%): 7.2 lx	— (10%): 14.4 lx
— (20%): 28.8 lx	— (50%): 72.1 lx
— (100%): 144.2 lx	