

Report No.:

Test Time: 18/04/2025 04:33

Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-SL21-00
 Number of Lamps: 1
 Voltage: 24.01
 Power: 2.2 W

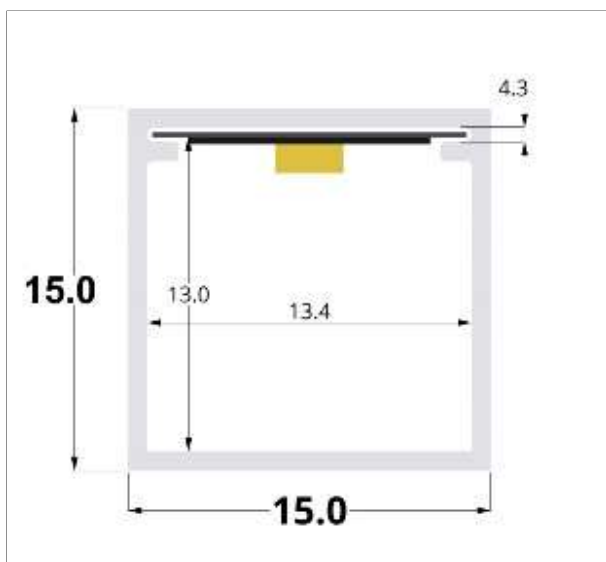
Lamp Description: F52-40s-120DF2 25cm
 Lumens per Lamp: 220
 Current: 0.085 A
 Power Factor: 1

Photometric Results

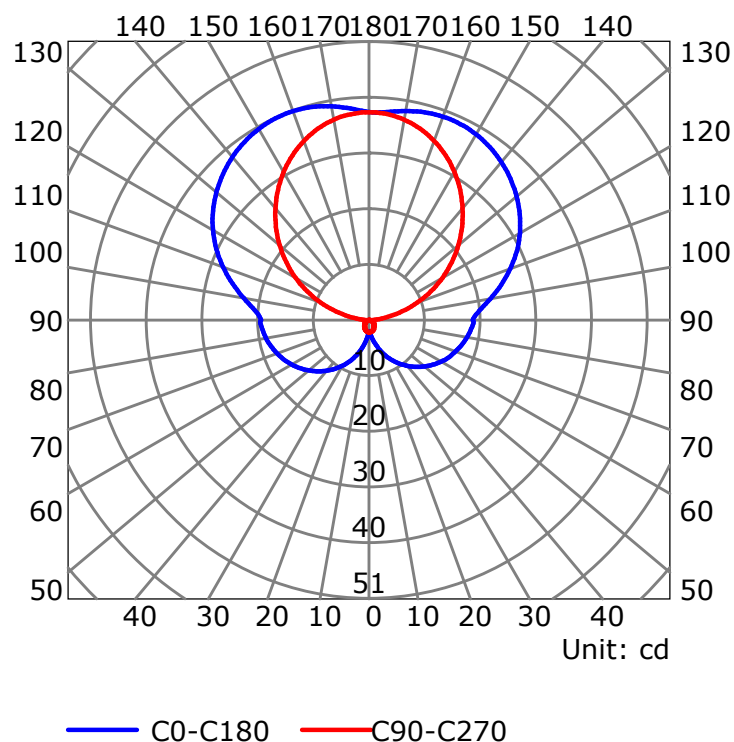
CIE Class: Semi-Indirect
 Measurement Flux: 214.6 lm
 Downward Ratio: 25.44%
 Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 360.0, 360.0, 360.0, 360.0
 Luminaire Efficacy Rating (LER): 97.59
 Max. Intensity: 40.94 cd
 S/MH(C0/C180): 4.53

Total Rated Lamp Lumens: 220.0 lm
 Efficiency: 97.54%
 Upward Ratio: 72.10%
 Central Intensity: 2.23 cd
 Pos of Max. Intensity: H180 V157
 S/MH(C90/C270): 1.15

Picture Of Luminaire



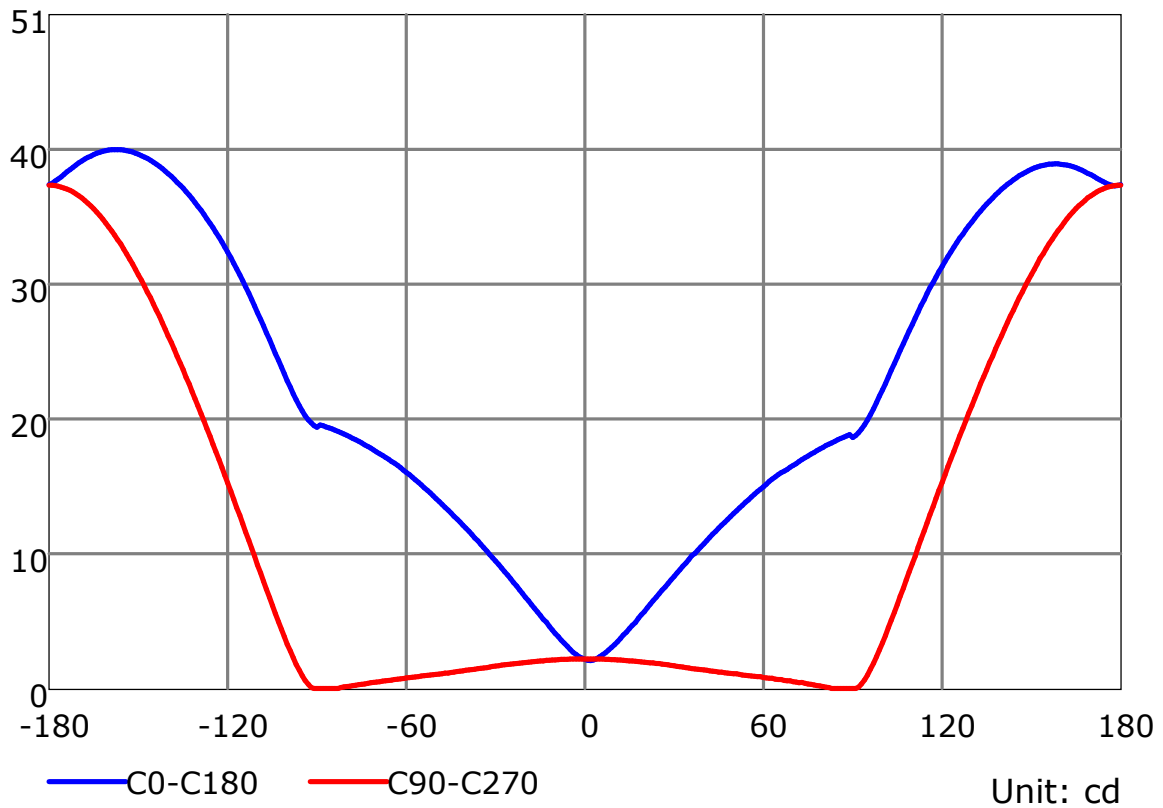
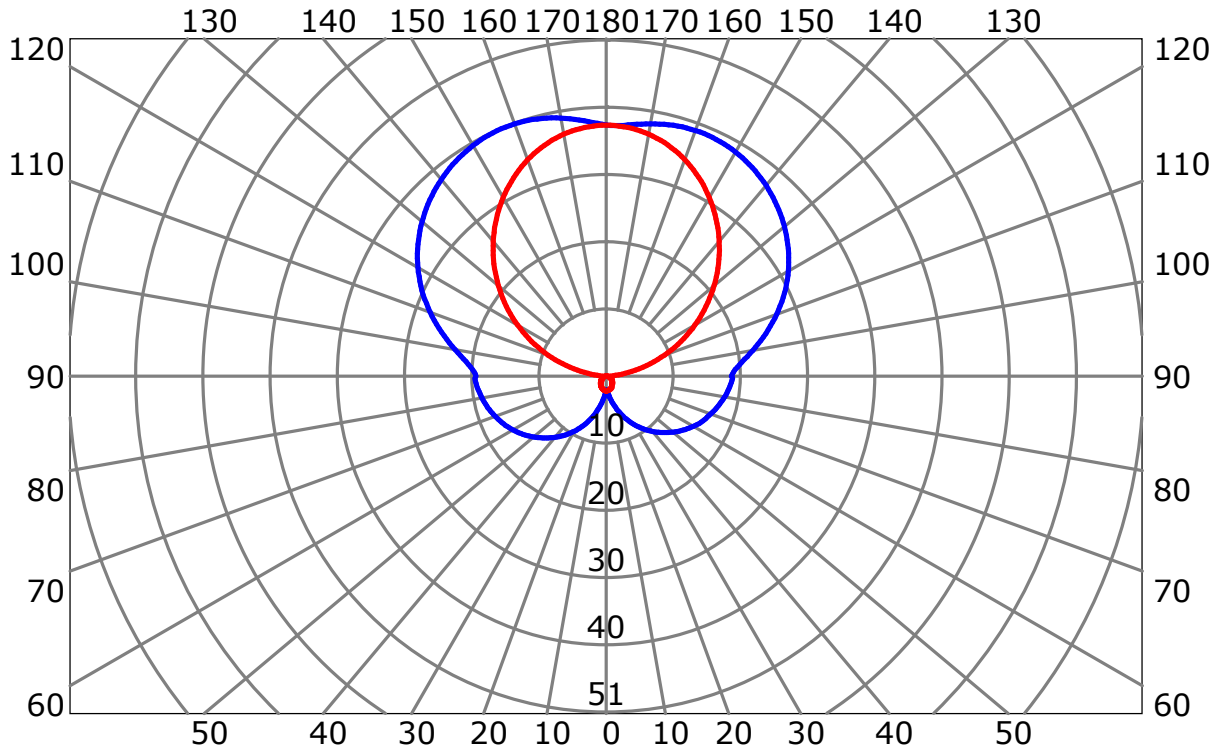
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-18008
 Distance: 7.792 m
 Humidity:
 Inspector:

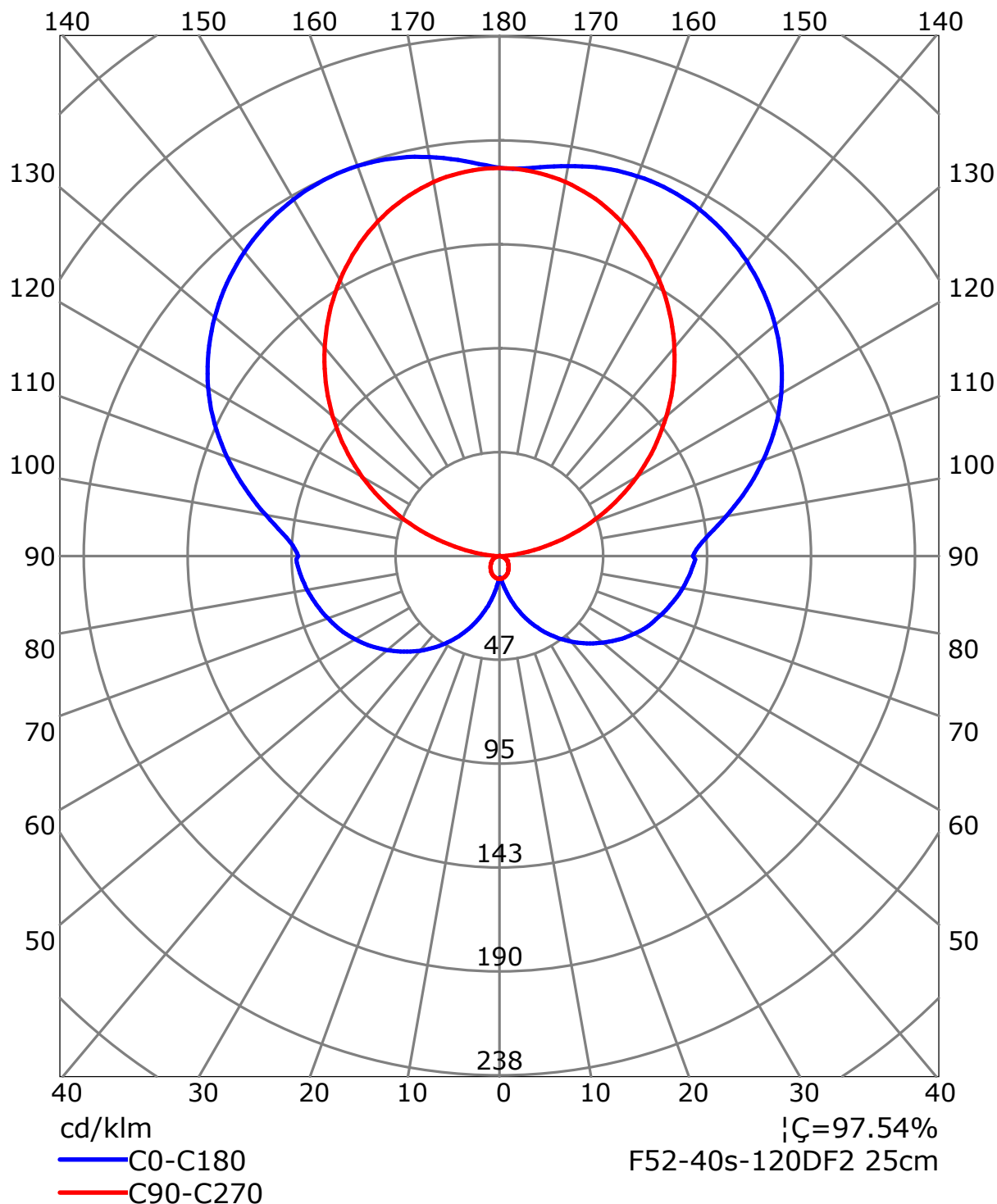
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-18008
Distance: 7.792 m
Humidity:
Inspector:

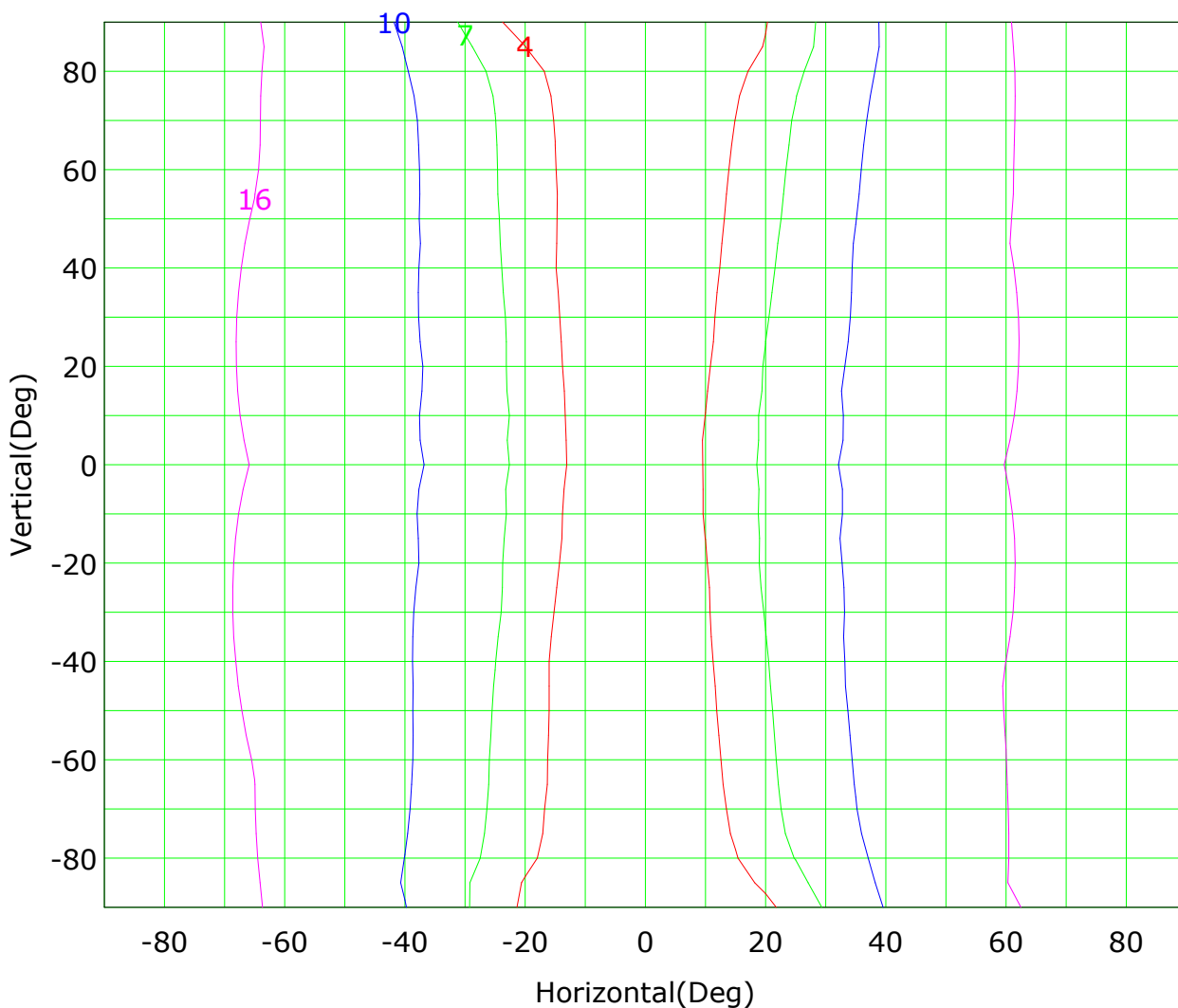
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-18008
Distance: 7.792 m
Humidity:
Inspector:

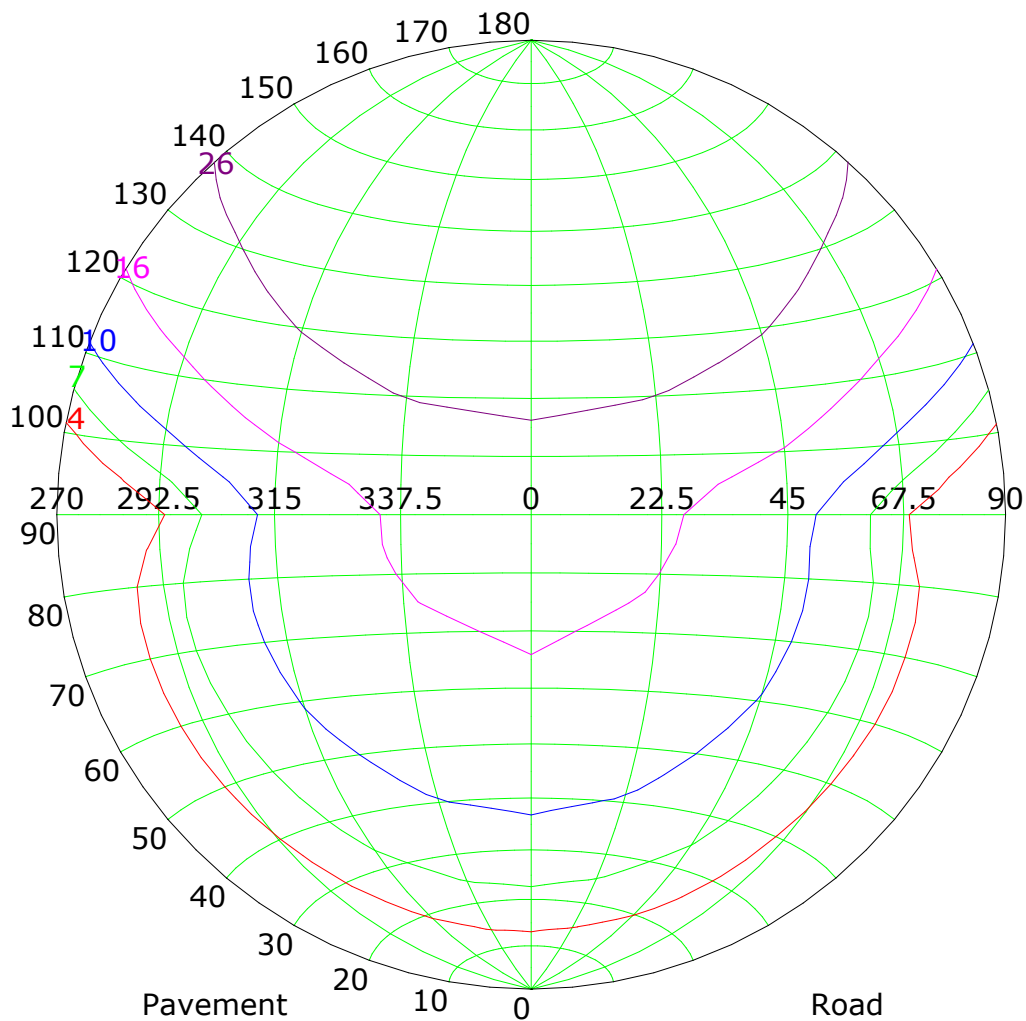
Isocandela (rectangle)



Imax (100%): 41 cd

— (10%):	4 cd	— (16%):	7 cd
— (25%):	10 cd	— (40%):	16 cd
— (63%):	26 cd	— (100%):	41 cd

Isocandela (sphere)



Imax (100%): 41 cd

— (10%):	4 cd	— (16%):	7 cd
— (25%):	10 cd	— (40%):	16 cd
— (63%):	26 cd	— (100%):	41 cd

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

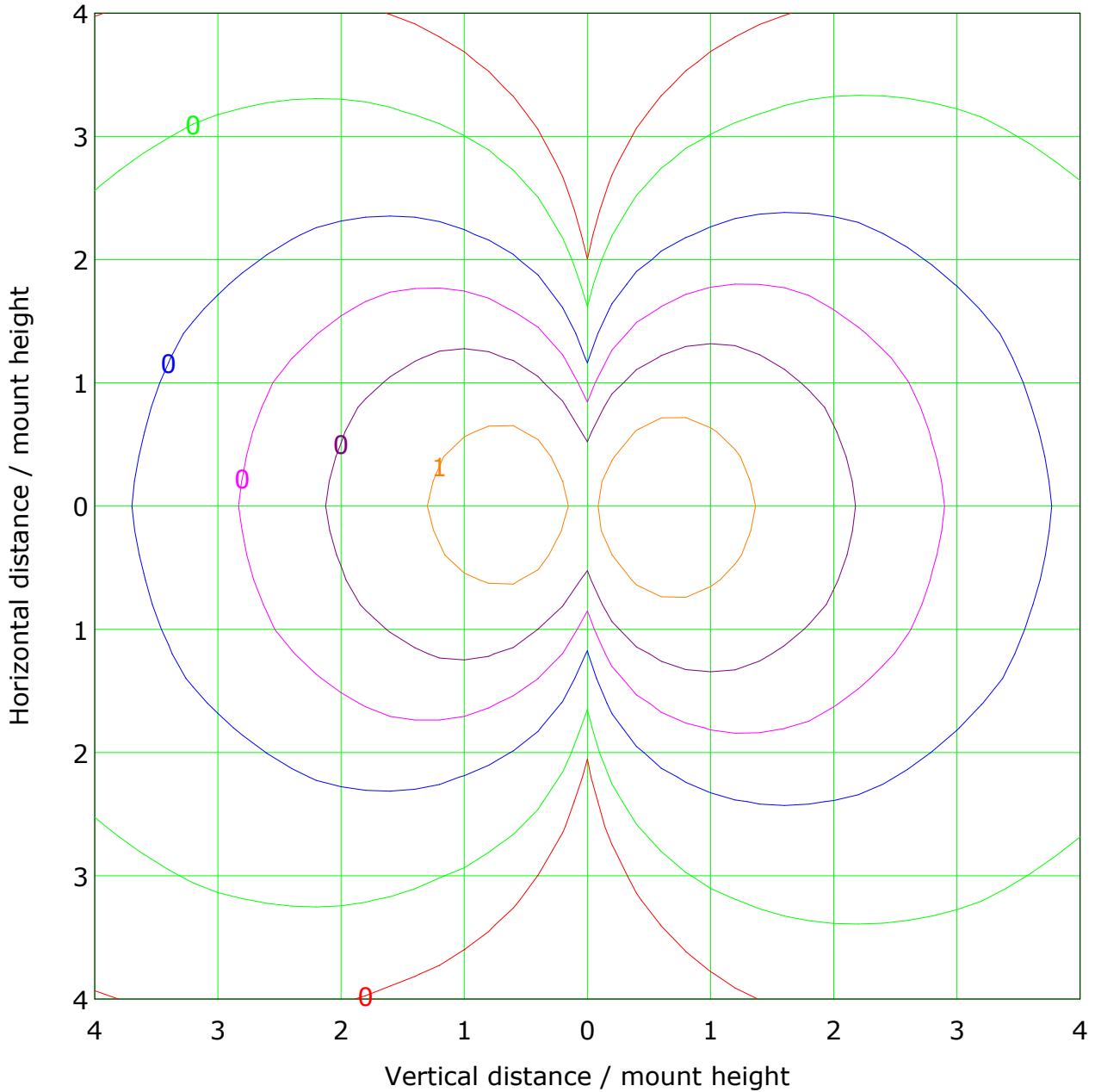
Test Device: GPM-18008

Distance: 7.792 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 1.6 lx	
— (1%):	0.0 lx	— (2%):	0.0 lx
— (5%):	0.1 lx	— (10%):	0.2 lx
— (20%):	0.3 lx	— (50%):	0.8 lx
— (100%):	1.6 lx		

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-18008

Distance: 7.792 m

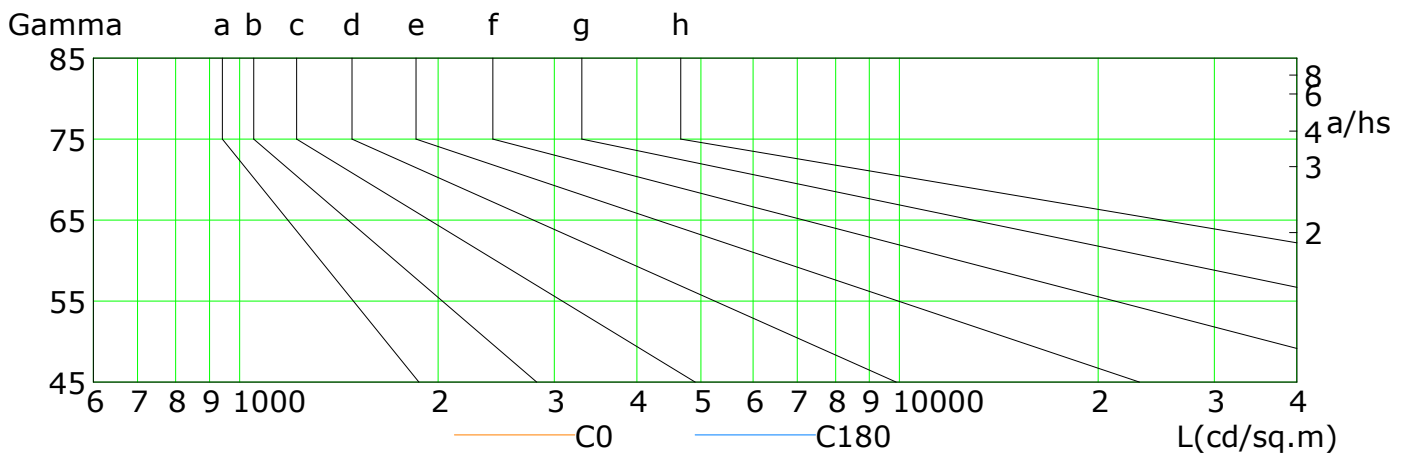
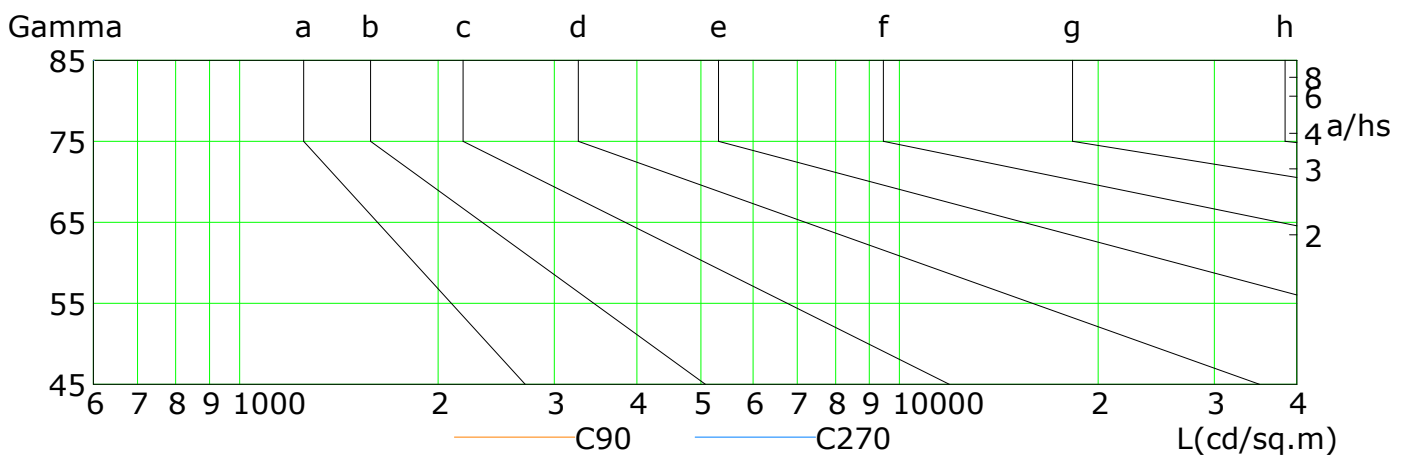
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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	12	13	14	15	16	17	18	18	19
C90	1	1	1	1	1	1	0	0	0
C180	13	14	15	16	17	18	19	19	20
C270	1	1	1	1	1	1	0	0	0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

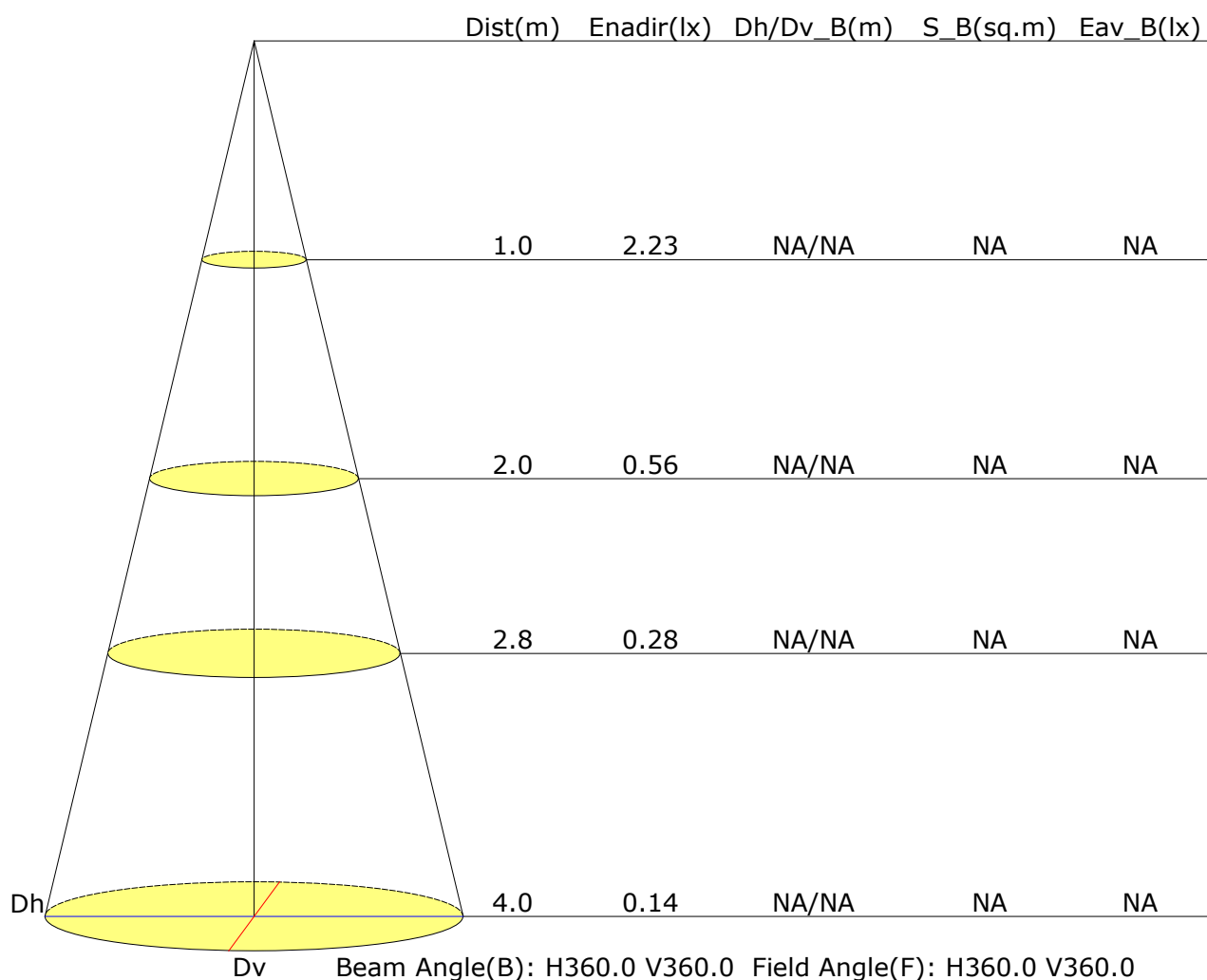
Test Device: GPM-18008

Distance: 7.792 m

Humidity:

Inspector:

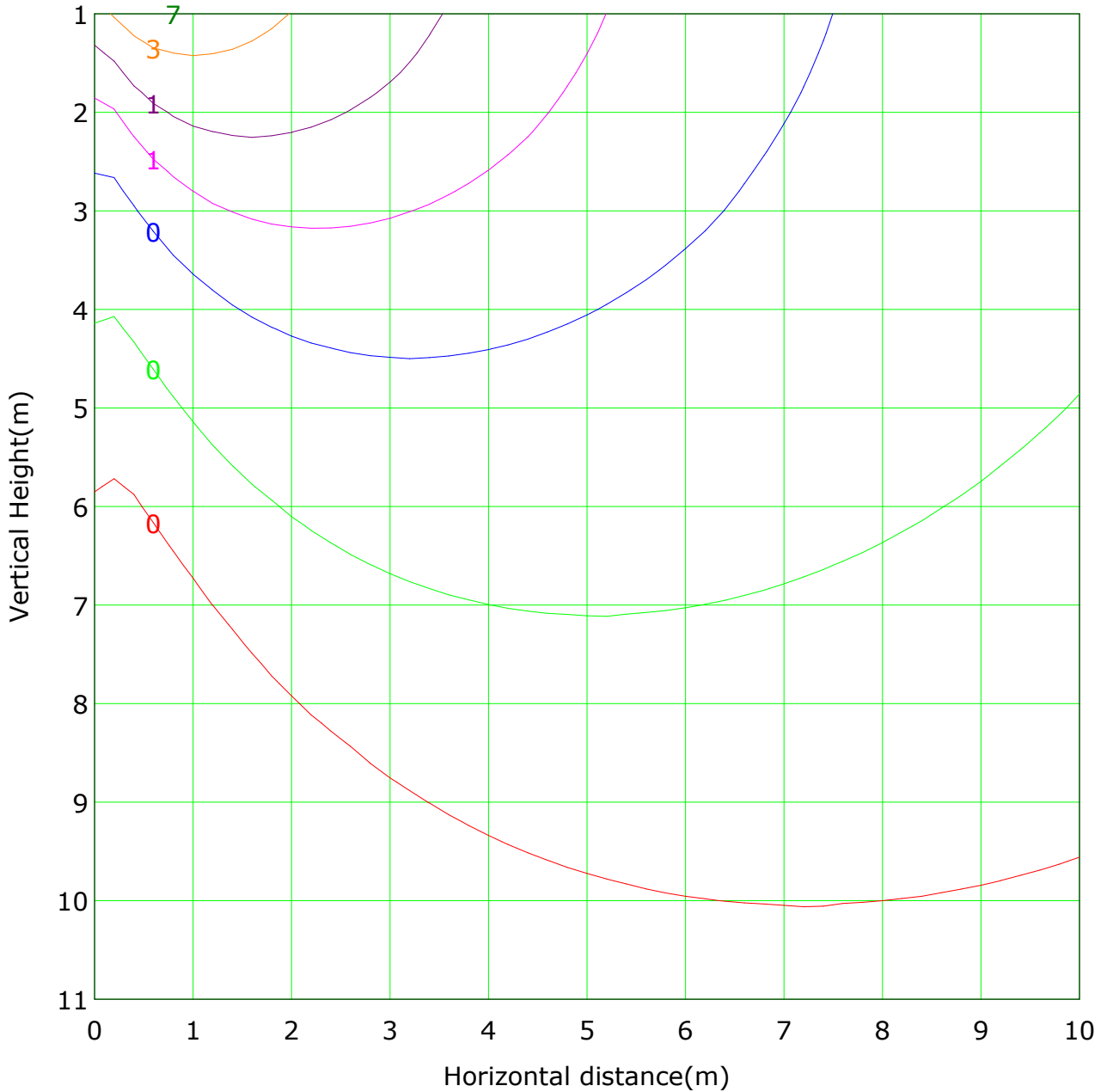
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-18008
 Distance: 7.792 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 6.5 lx
(1%): 0.1 lx	(2%): 0.1 lx	
(5%): 0.3 lx	(10%): 0.7 lx	
(20%): 1.3 lx	(50%): 3.3 lx	
(100%): 6.5 lx		

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-18008

Distance: 7.792 m

Humidity:

Inspector: