

Report No.:

Test Time: 07/10/2024 12:33

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-ST01-00

Number of Lamps: 1

Voltage: 24.0 V

Power: 8.49 W

Lamp Description: NEO4LT-300-120822 1m

Lumens per Lamp: 220

Current: 0.354 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 201.2 lm

Downward Ratio: 90.98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.5, 153.9, 155.6, 156.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.6, 108.5, 110.8, 111.1

Luminaire Efficacy Rating (LER): 23.74

Max. Intensity: 72.89 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 220.0 lm

Efficiency: 91.44%

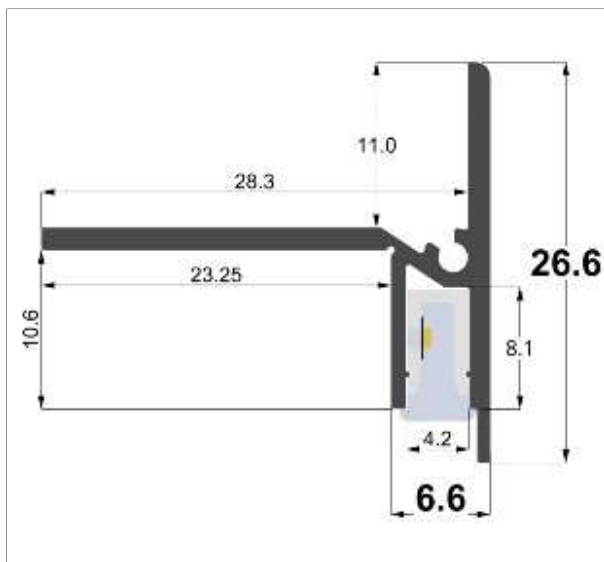
Upward Ratio: 0.46%

Central Intensity: 72.7 cd

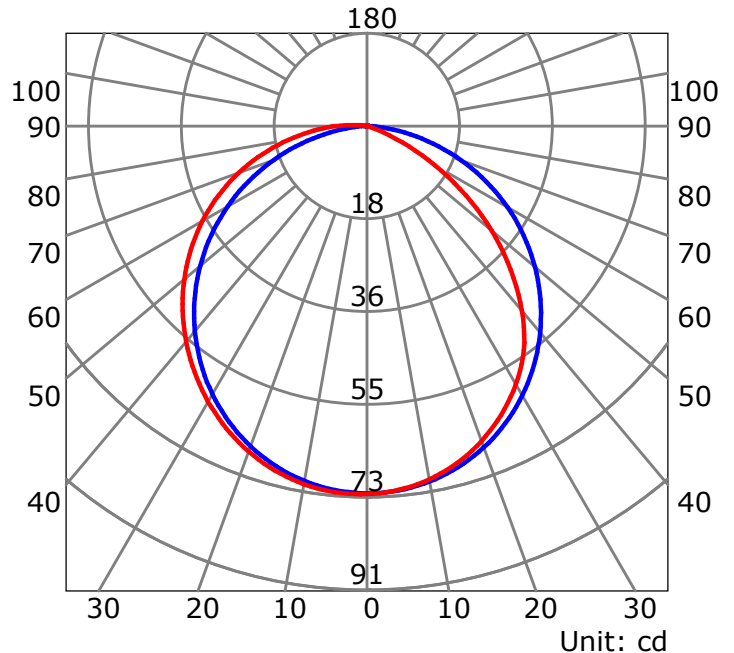
Pos of Max. Intensity: H270 V2

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

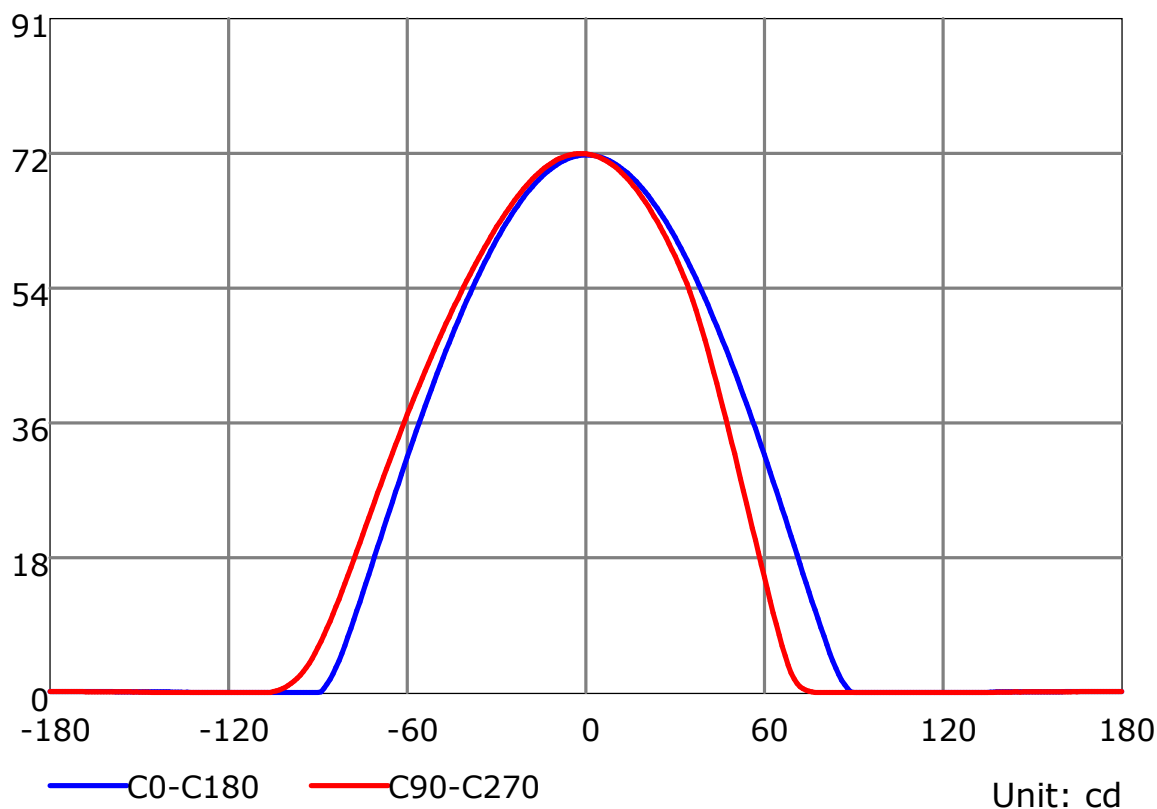
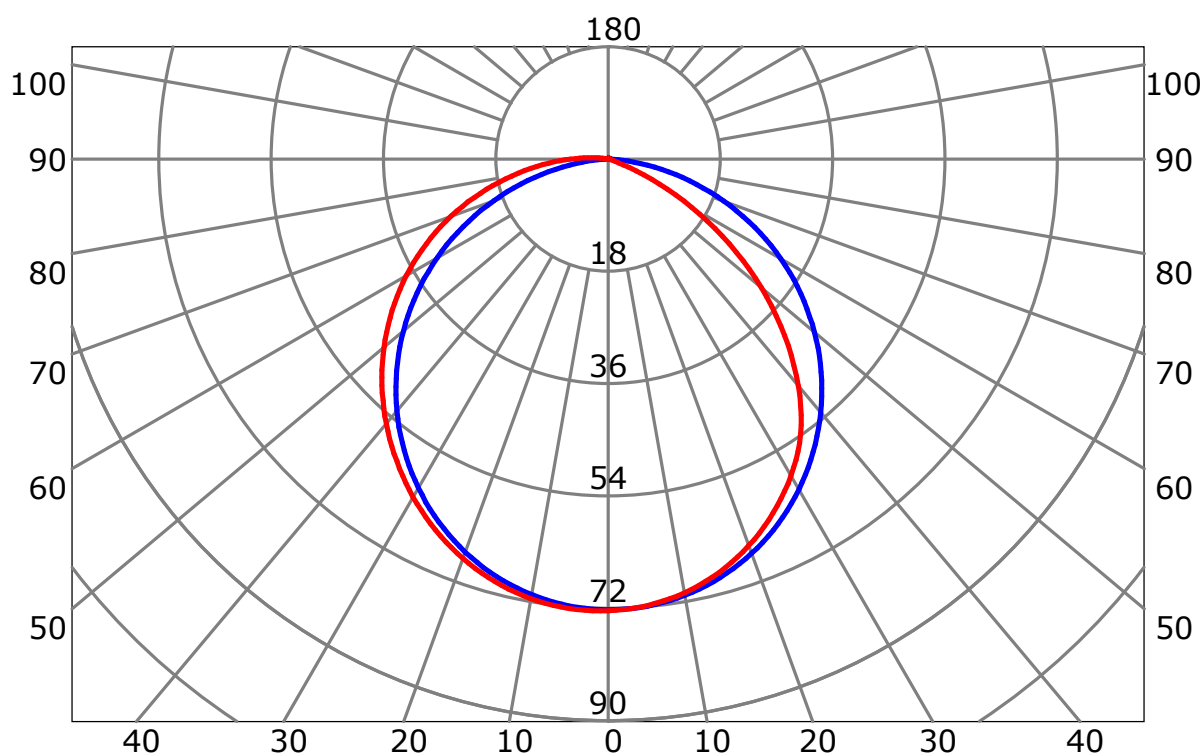
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

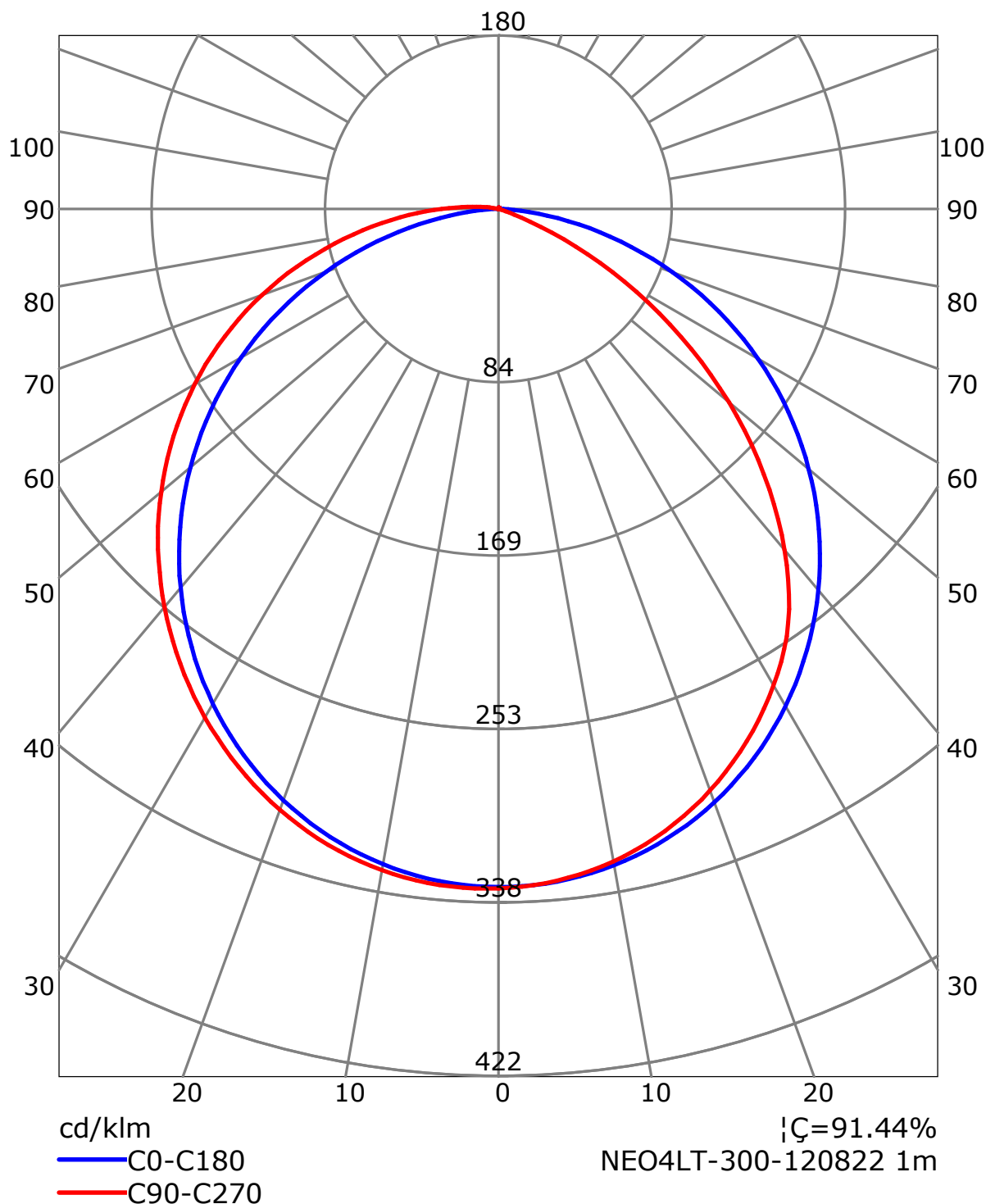


Unit: cd

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-1800B
Distance: 7.792 m
Humidity:
Inspector:

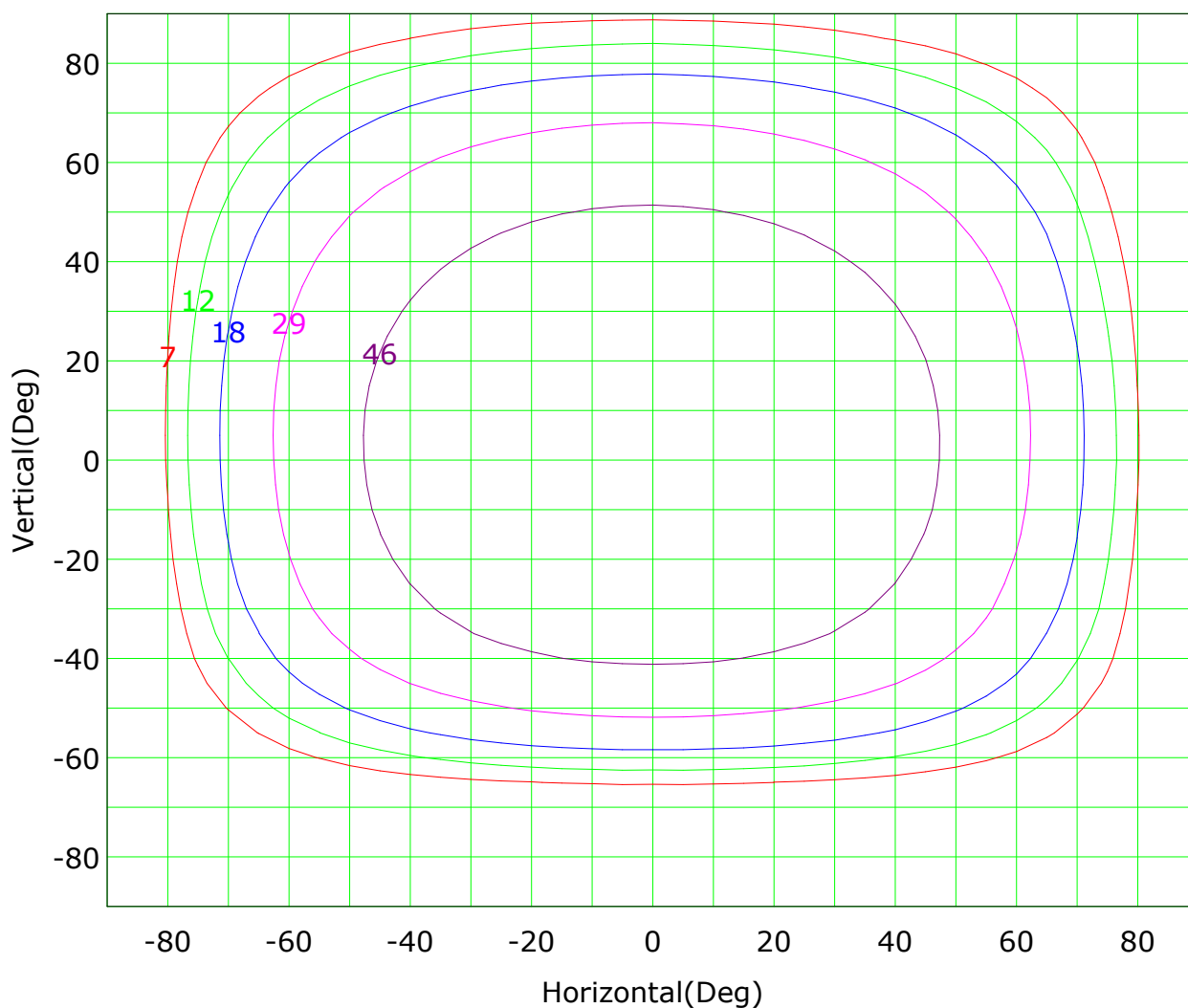
Luminous Intensity Distribution Curve(cd/klm)



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-1800B
 Distance: 7.792 m
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 73 cd

(10%):	7 cd	(16%):	12 cd
(25%):	18 cd	(40%):	29 cd
(63%):	46 cd	(100%):	73 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

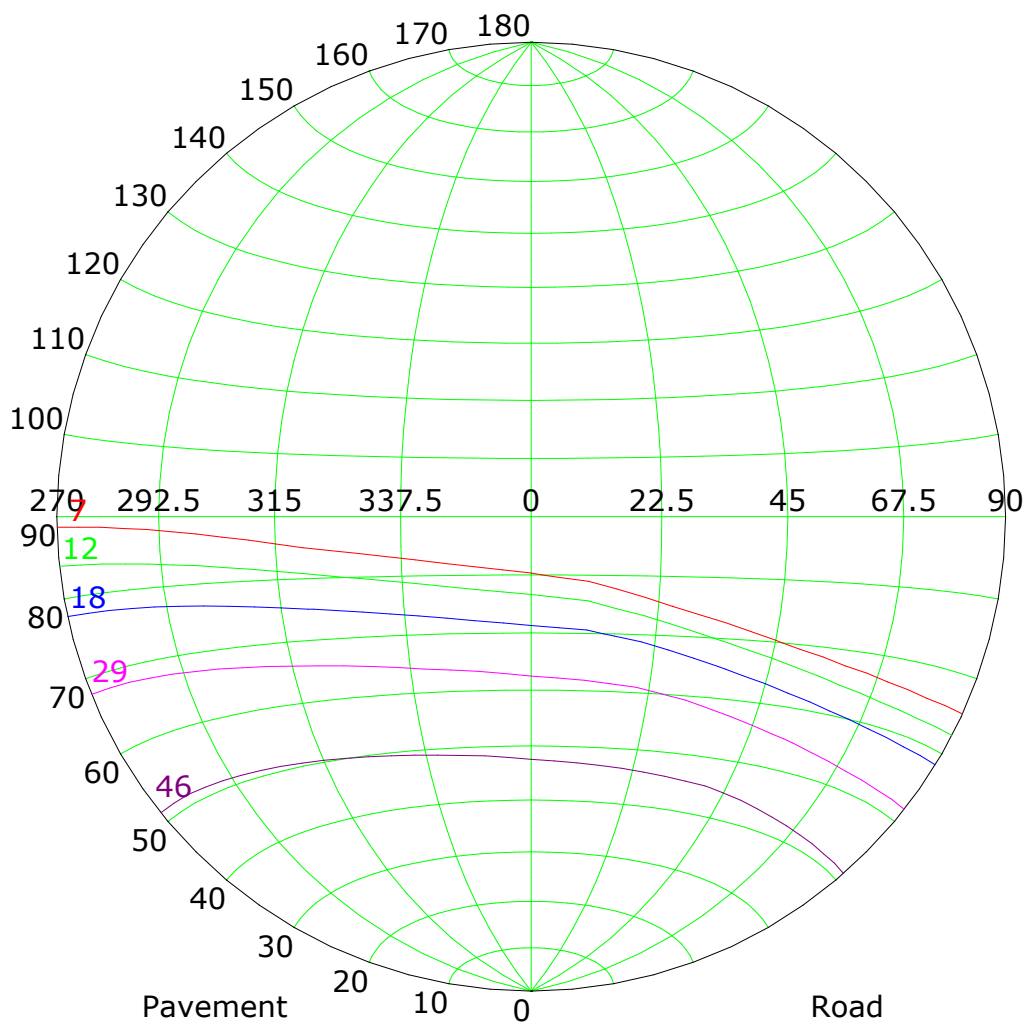
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 73 cd

(10%):	7 cd	(16%):	12 cd
(25%):	18 cd	(40%):	29 cd
(63%):	46 cd	(100%):	73 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

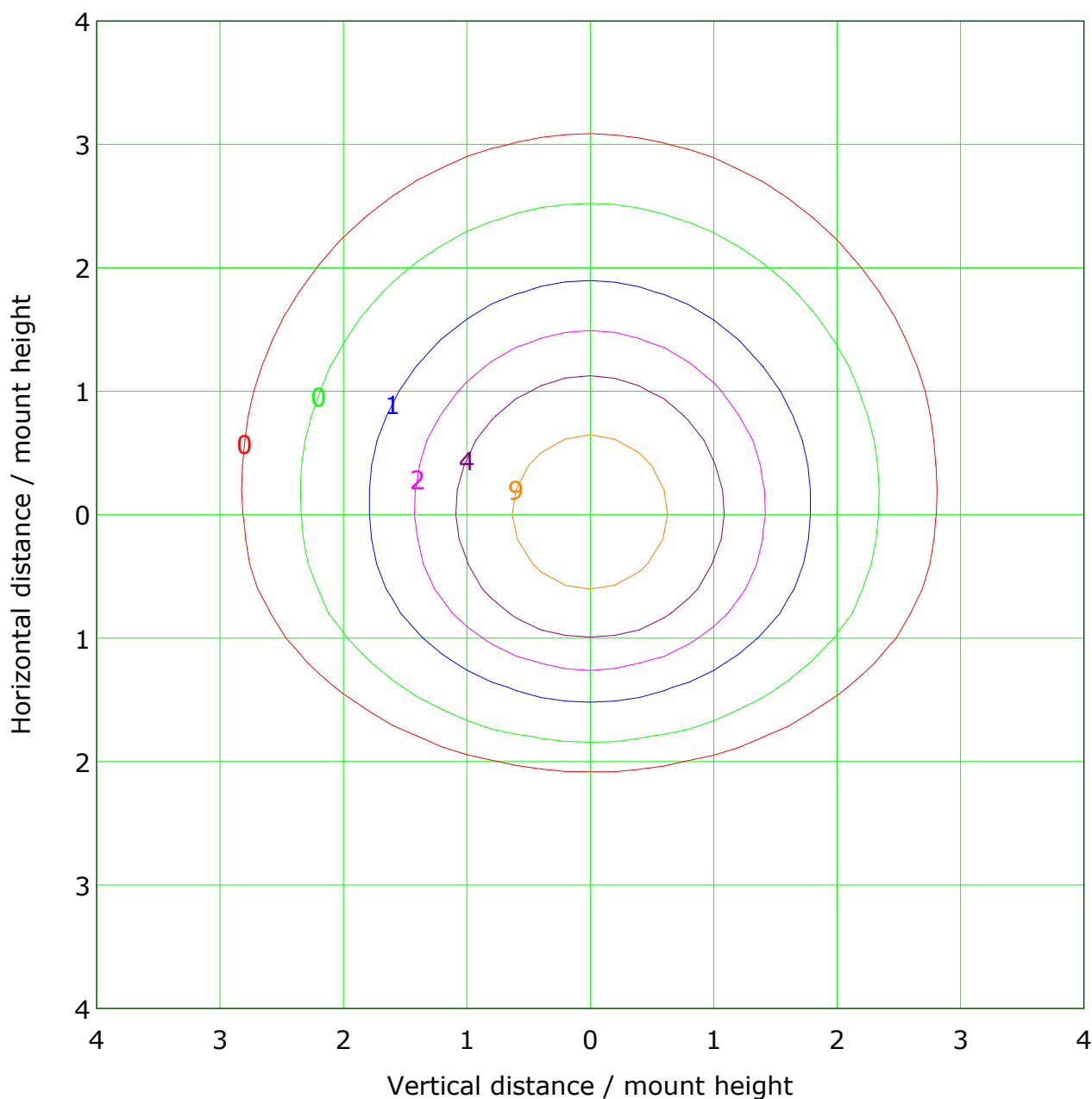
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 18.2 lx	
(1%):	0.2 lx	(2%):	0.4 lx
(5%):	0.9 lx	(10%):	1.8 lx
(20%):	3.6 lx	(50%):	9.1 lx
(100%):	18.2 lx		

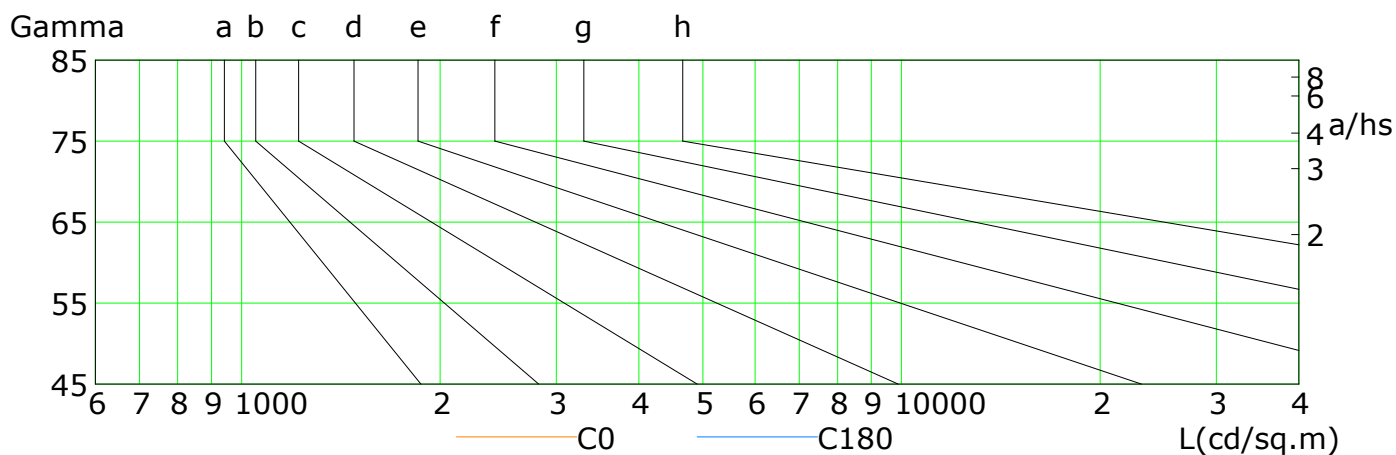
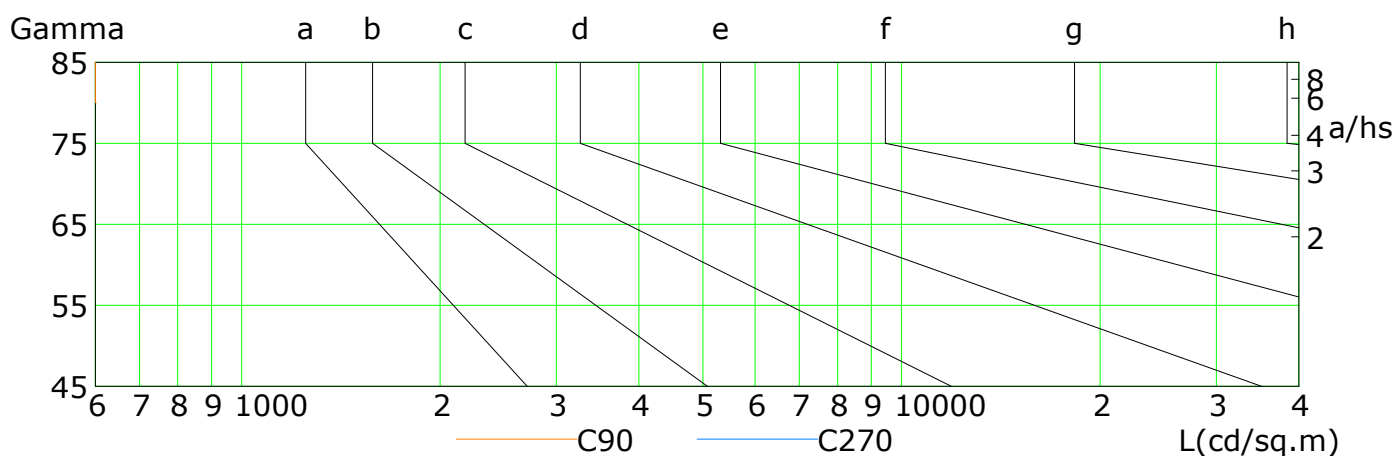
C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.792 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

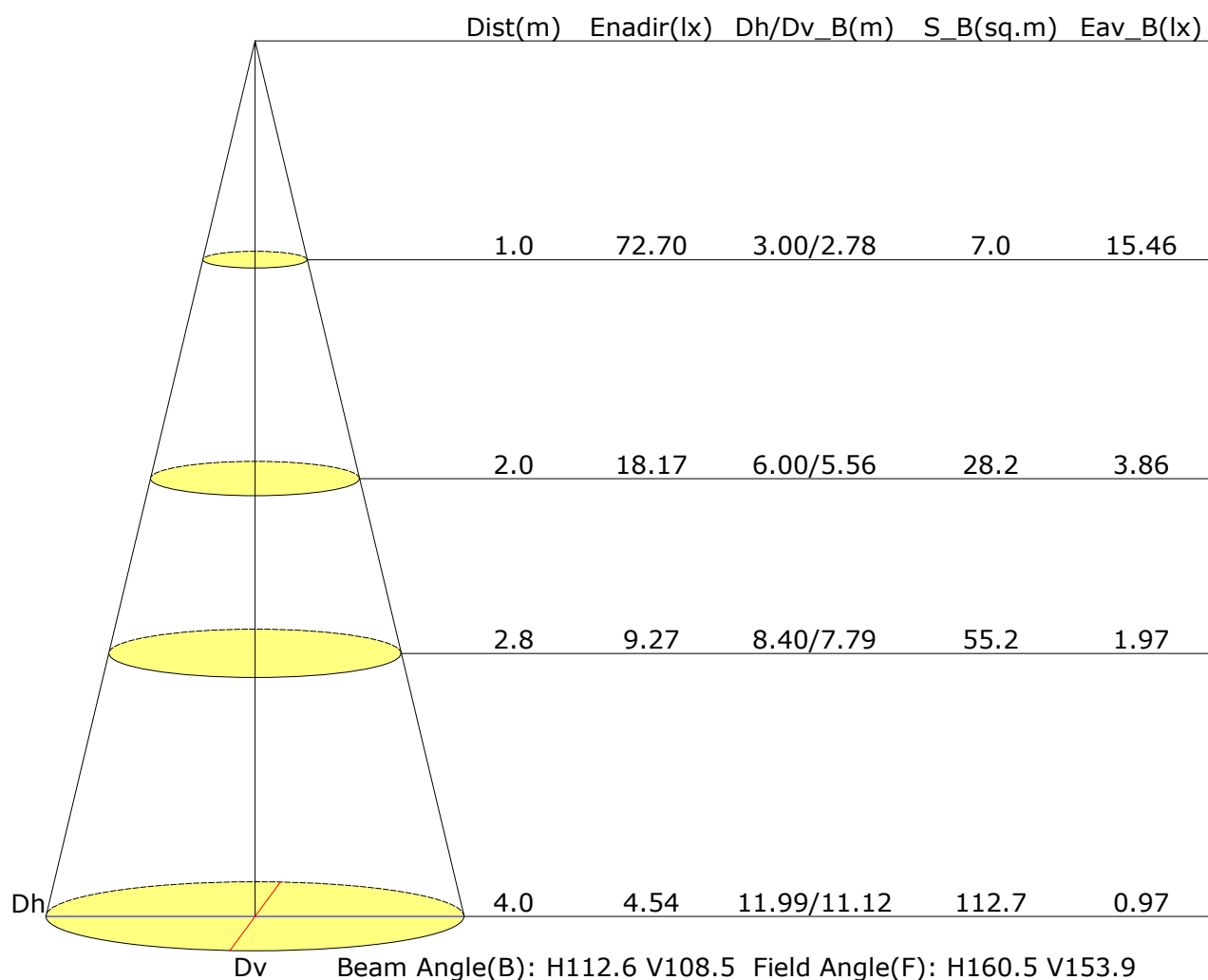


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	49	43	38	32	26	20	14	8	2
C90	40	32	24	16	8	2	0	0	0
C180	48	43	38	32	26	20	13	8	3
C270	52	47	43	38	32	27	21	16	11

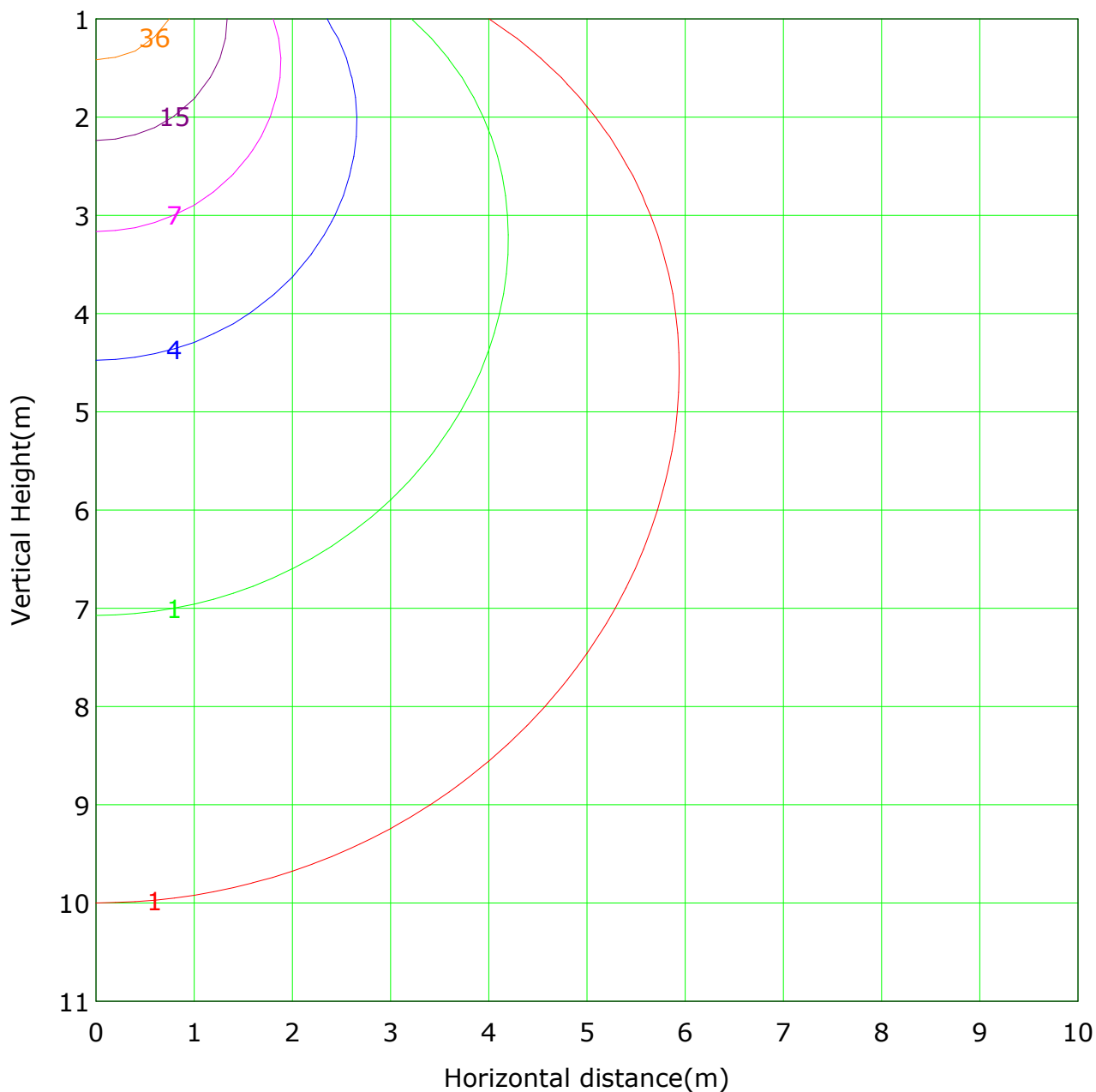
C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 7.792 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 72.7 lx
(1%): 0.7 lx	(2%): 1.5 lx	
(5%): 3.6 lx	(10%): 7.3 lx	
(20%): 14.5 lx	(50%): 36.3 lx	
(100%): 72.7 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-1800B
Distance: 7.792 m
Humidity:
Inspector: