

Report No.:

Test Time: 15/04/2025 16:27

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-RE14-23+LLD-23 Lamp Description: F52-40s-120DF2 95cm

Number of Lamps: 1

Lumens per Lamp: 839

Voltage: 24.0 V

Current: 0.345 A

Power: 8.28 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 543.8 lm

Downward Ratio: 64.81%

Total Rated Lamp Lumens: 839.0 lm

Efficiency: 64.81%

Upward Ratio: 0.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 160.9, 160.7, 160.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.9, 109.5, 110.4, 110.1

Luminaire Efficacy Rating (LER): 65.73

Central Intensity: 195.36 cd

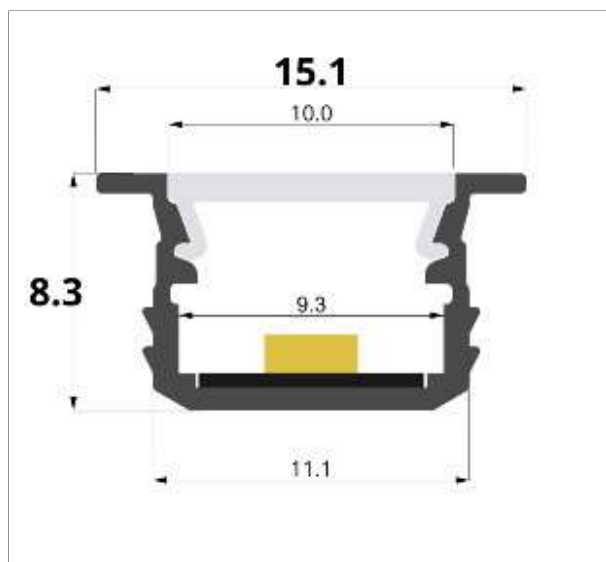
Max. Intensity: 195.7 cd

Pos of Max. Intensity: H22.5 V0

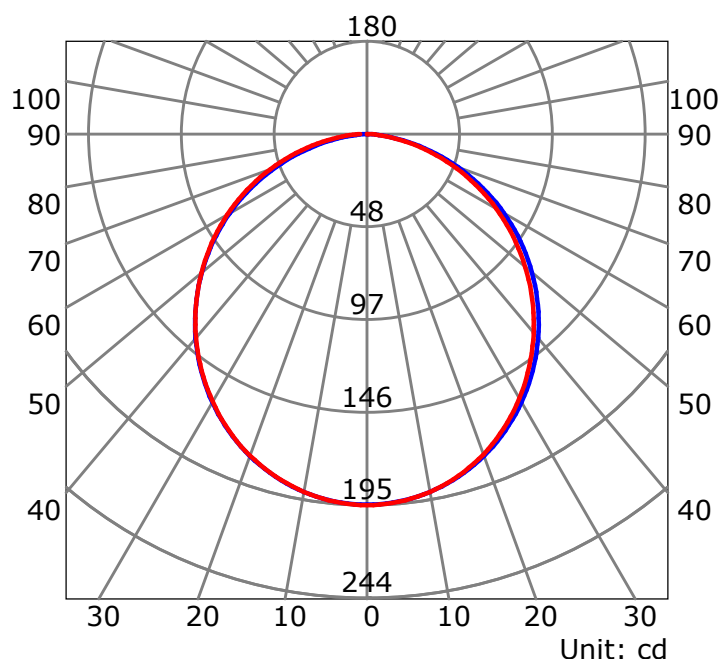
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

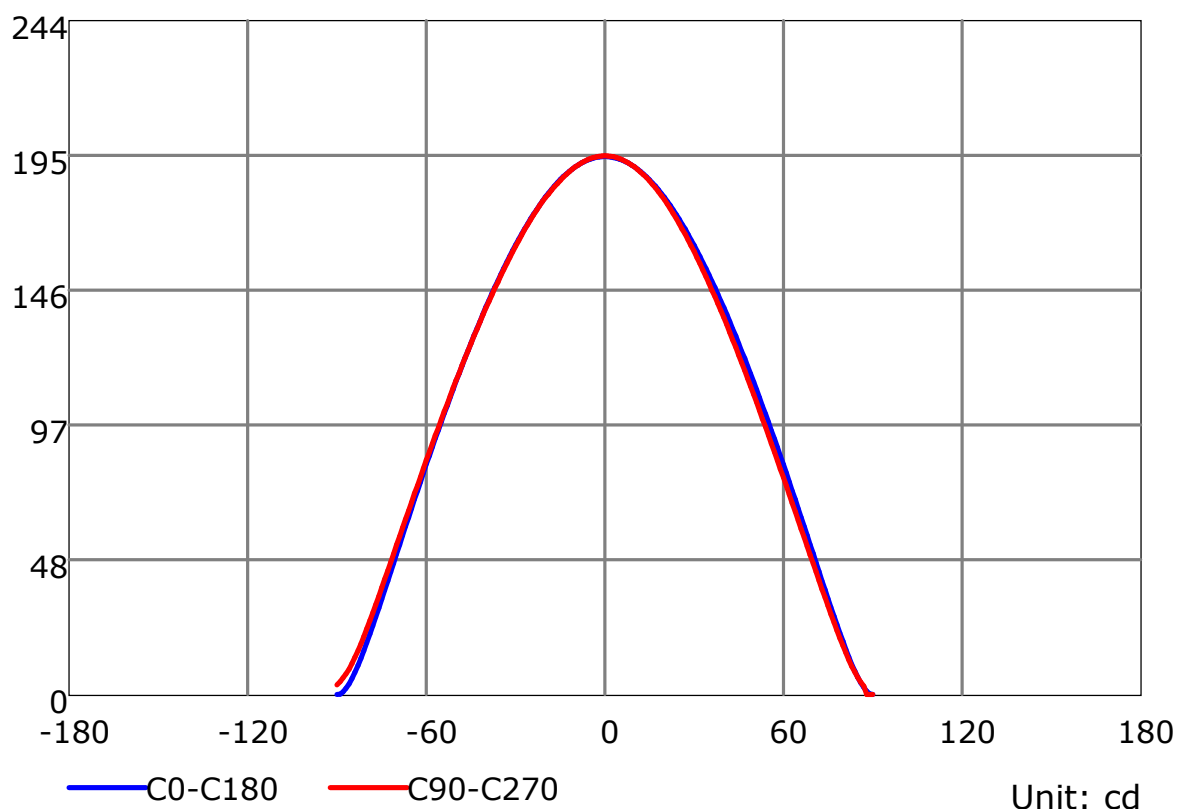
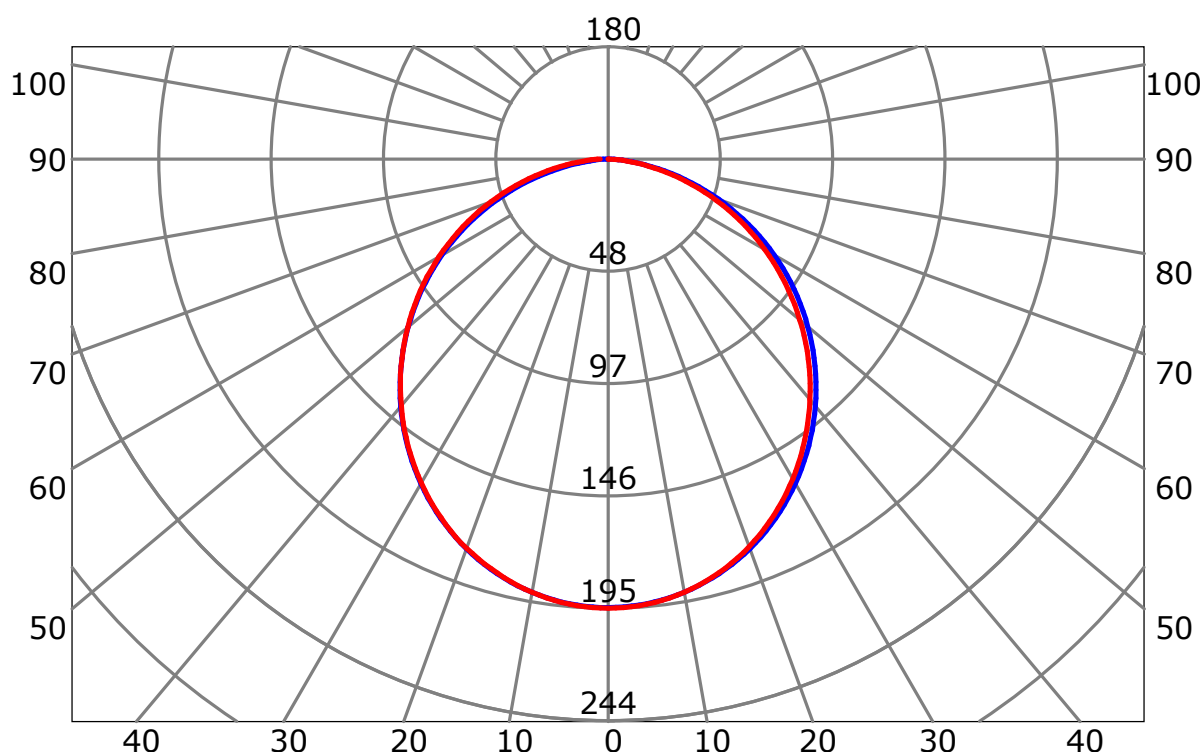
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

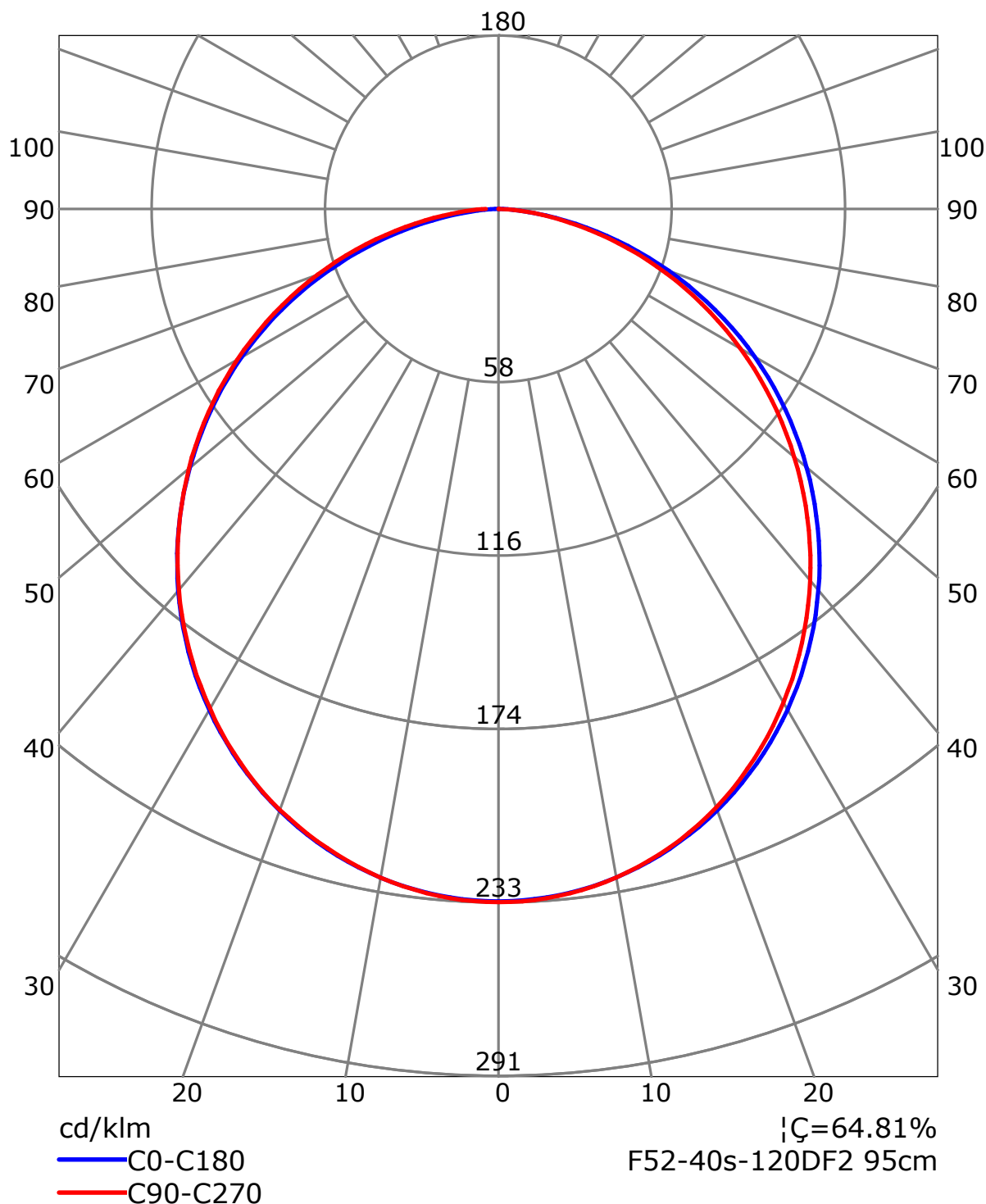


Unit: cd

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

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1800B
Distance: 7.792 m
Humidity:
Inspector:

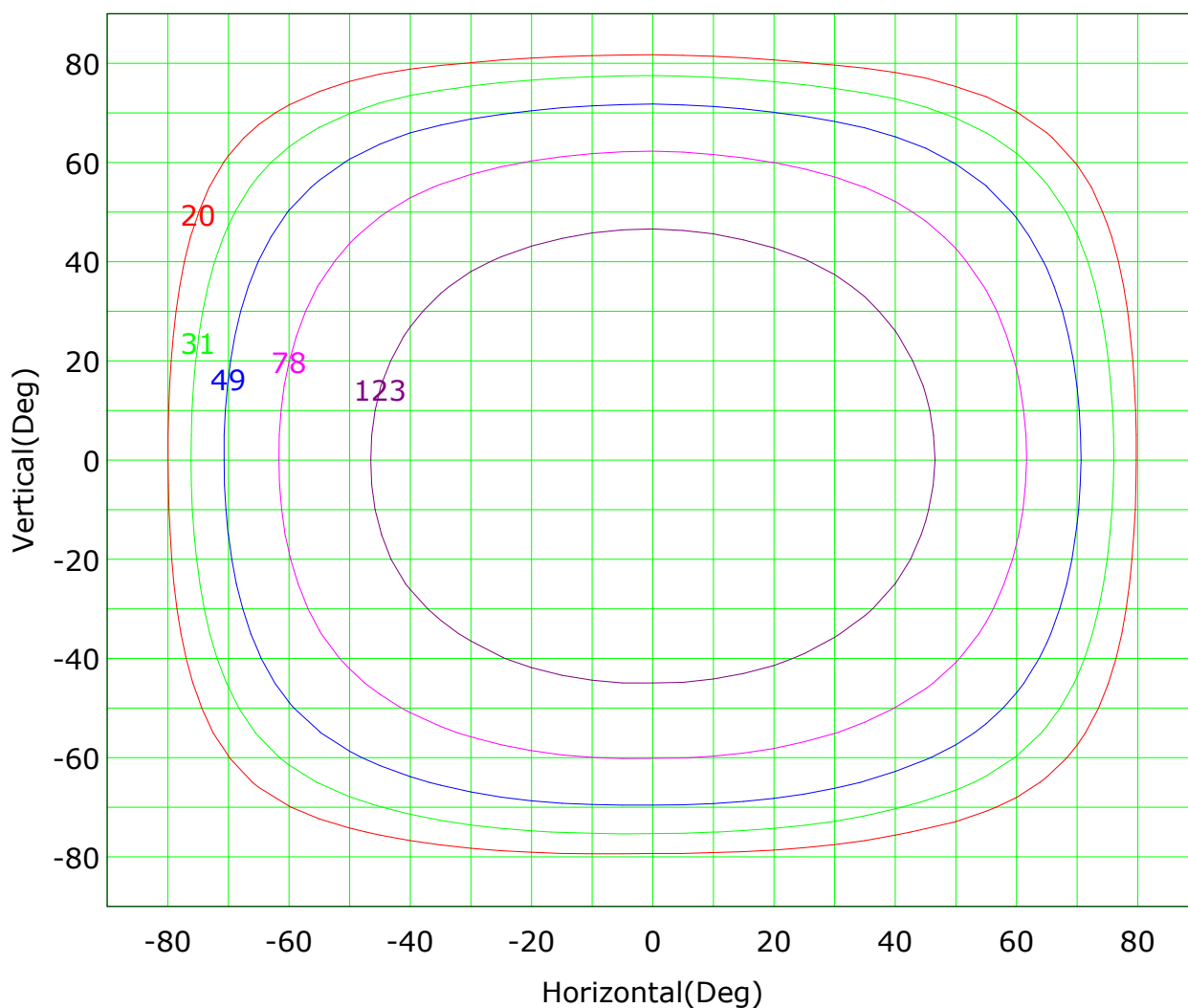
Luminous Intensity Distribution Curve(cd/klm)



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1800B
 Distance: 7.792 m
 Humidity:
 Inspector:

Isocandela (rectangle)



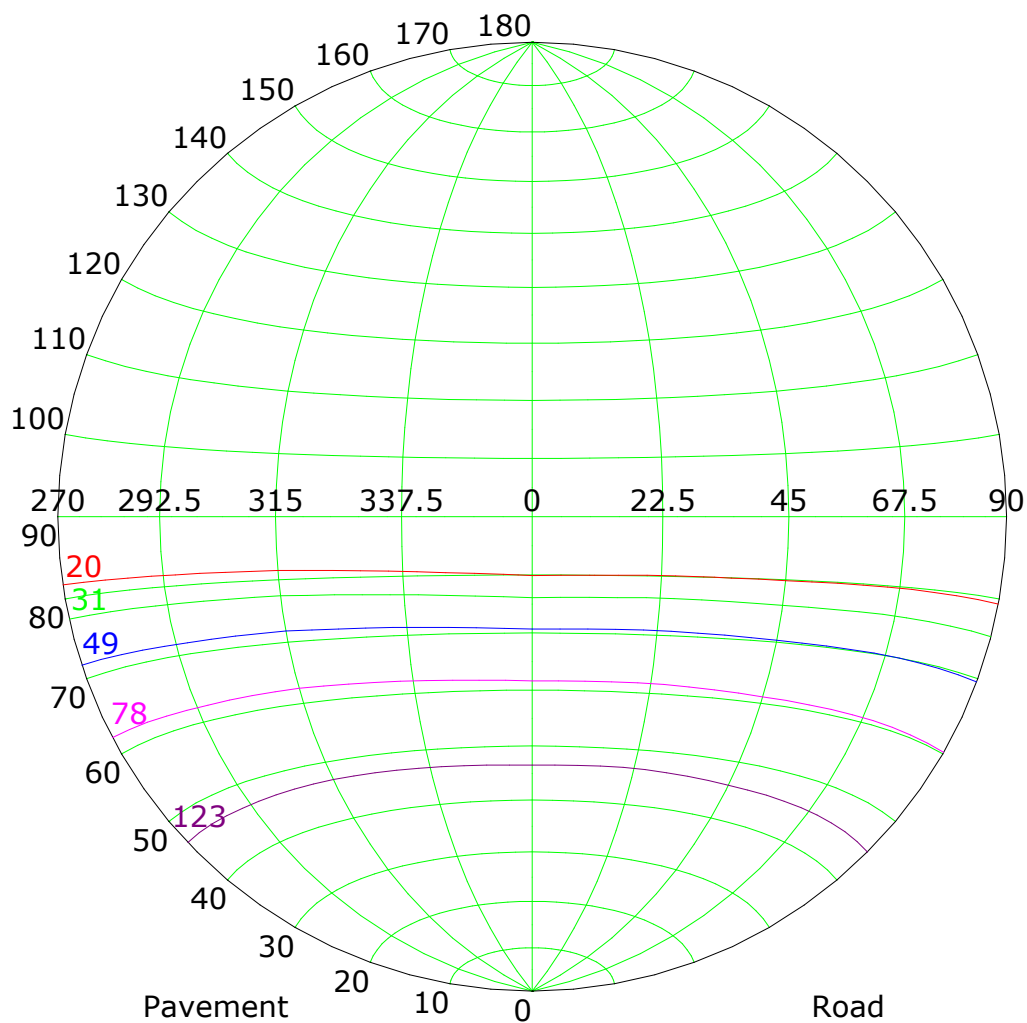
Imax (100%): 196 cd

(10%):	20 cd	(16%):	31 cd
(25%):	49 cd	(40%):	78 cd
(63%):	123 cd	(100%):	196 cd

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

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1800B
Distance: 7.792 m
Humidity:
Inspector:

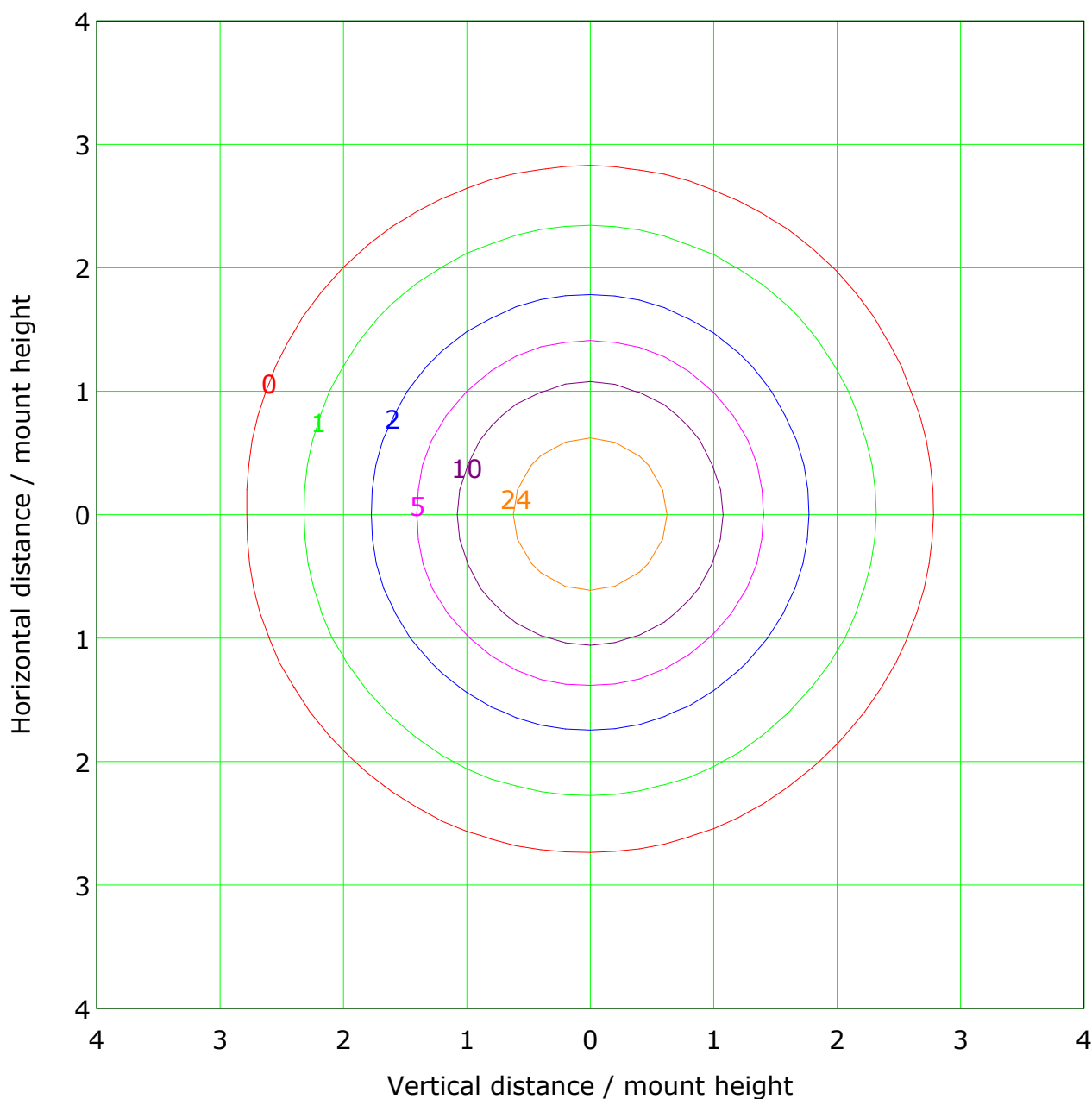
Isocandela (sphere)



Imax (100%): 196 cd

(10%):	20 cd	(16%):	31 cd
(25%):	49 cd	(40%):	78 cd
(63%):	123 cd	(100%):	196 cd

IsoLux Plot



Mounting Height: 2.0m Max Lux(100%): 48.9 lx

(1%): 0.5 lx	(2%): 1.0 lx
(5%): 2.4 lx	(10%): 4.9 lx
(20%): 9.8 lx	(50%): 24.5 lx
(100%): 48.9 lx	

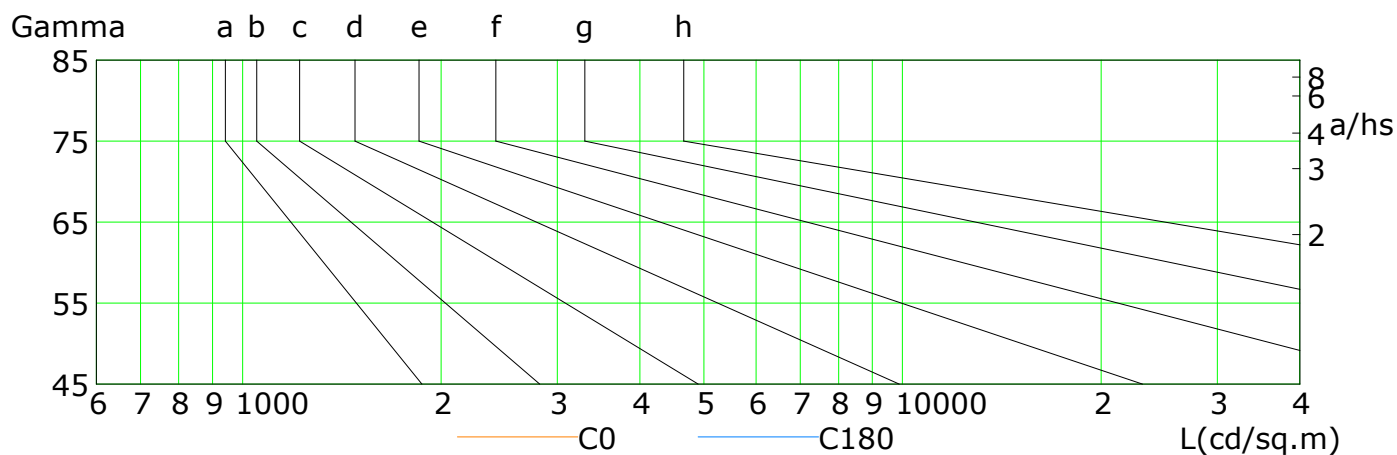
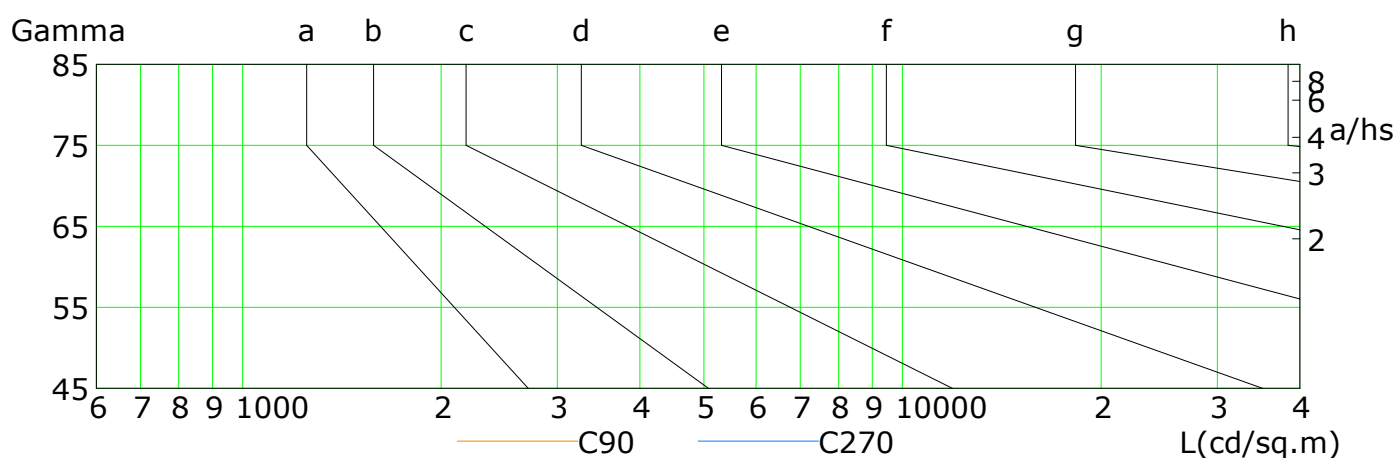
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
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

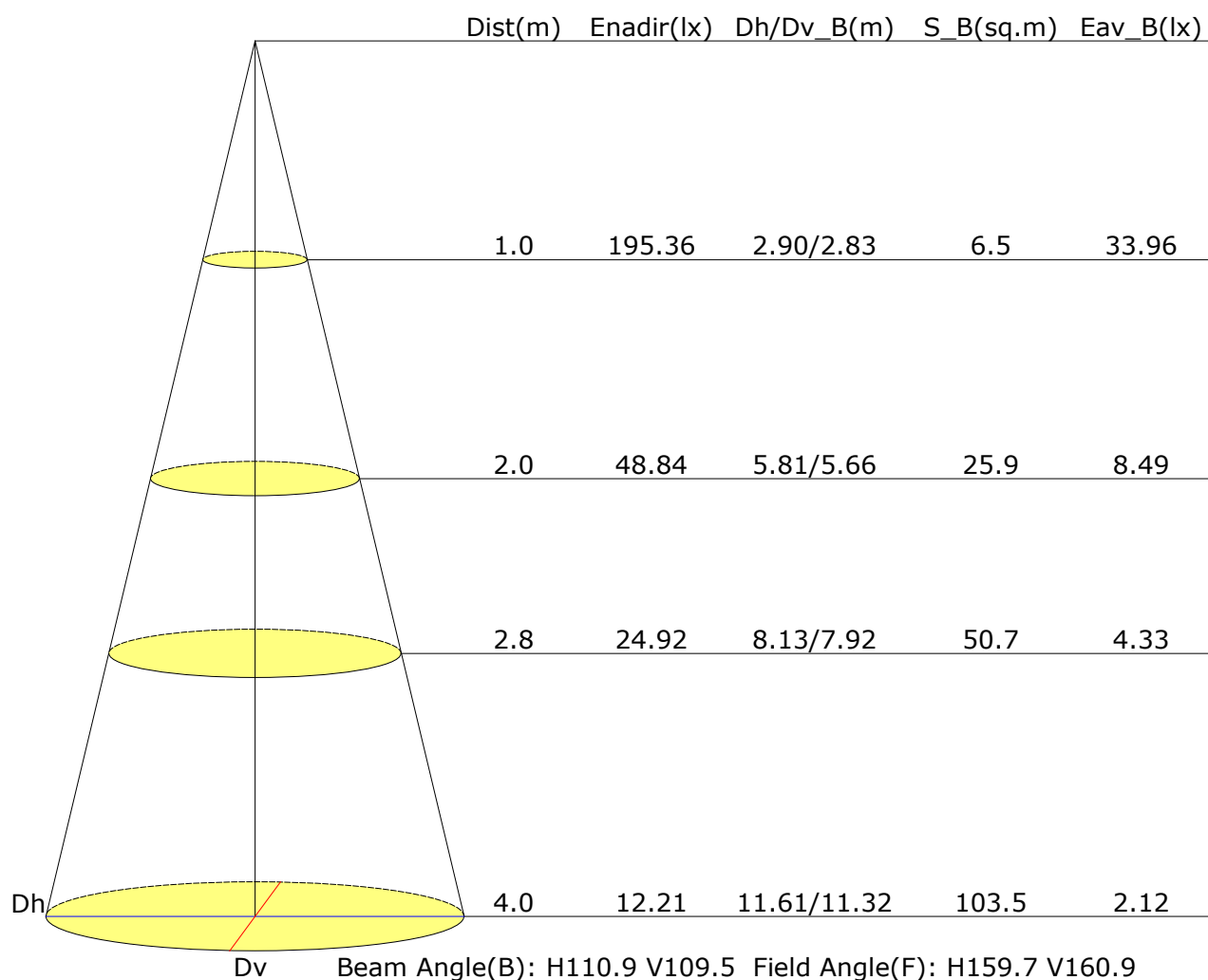


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	127	114	99	84	68	51	35	19	6
C90	123	109	94	79	63	48	32	18	6
C180	128	114	99	84	68	51	35	19	6
C270	128	114	100	85	70	54	39	24	11

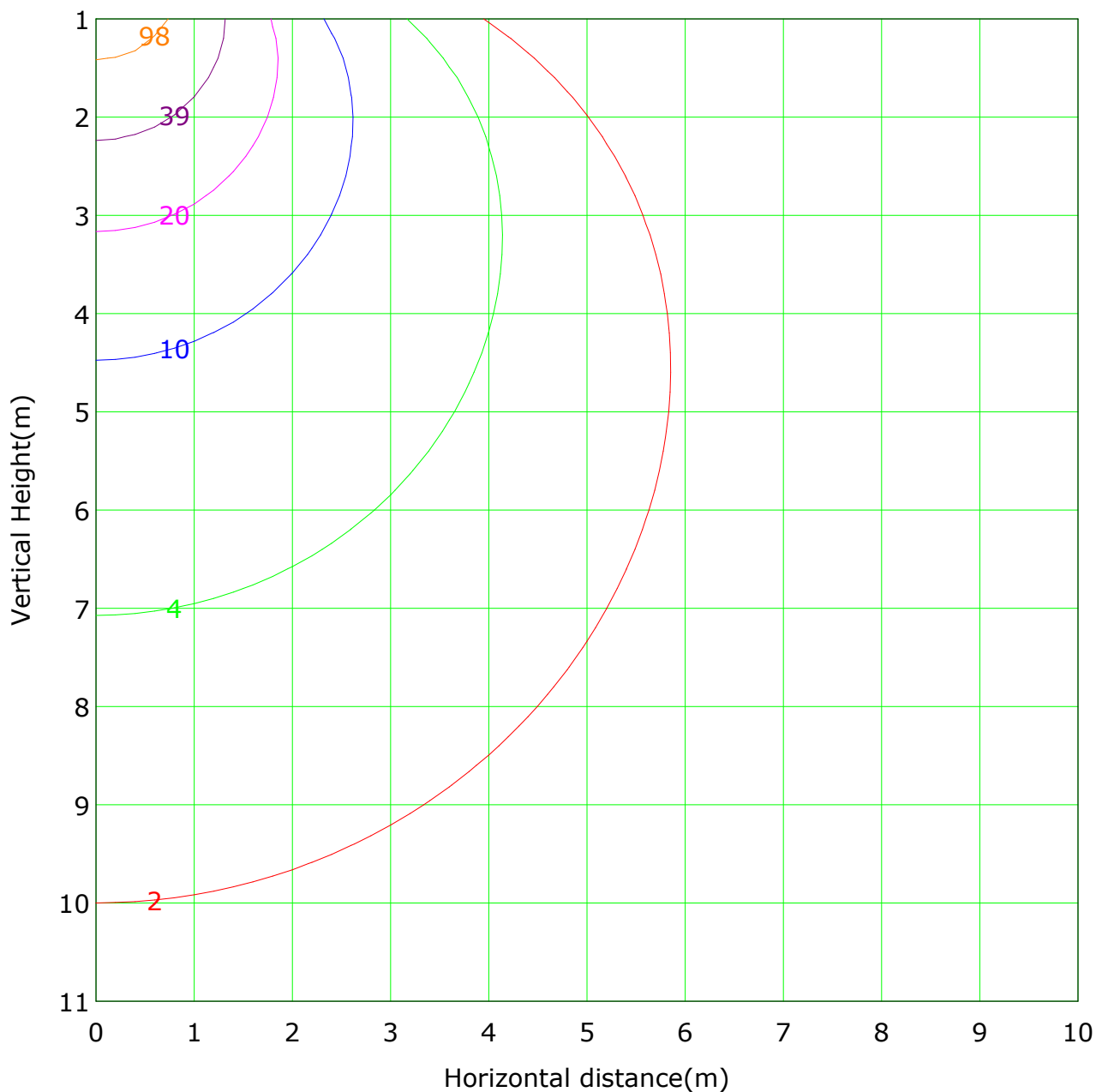
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
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: 195.4 lx

(1%): 2.0 lx	(2%): 3.9 lx
(5%): 9.8 lx	(10%): 19.5 lx
(20%): 39.1 lx	(50%): 97.7 lx
(100%): 195.4 lx	