



Report No.:

Test Time: 08/10/2024 11:49

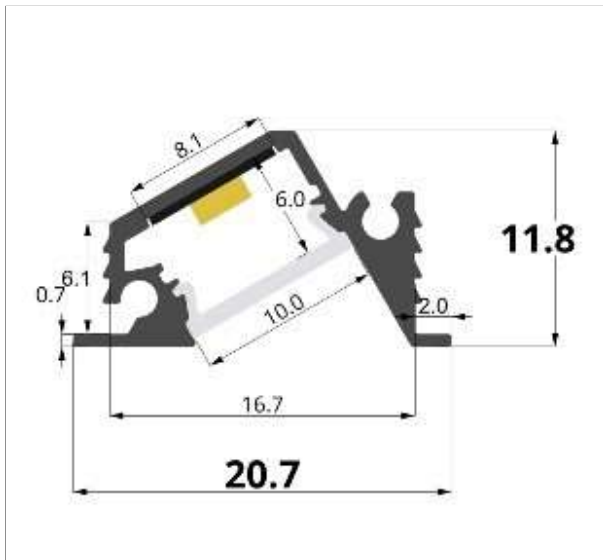
Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-RE13-23+LLP-23-FM
 Lamp Description: OR40sF52120DF2 90cm Number of Lamps: 1
 Lumens per Lamp: 795 Voltage: 24.0 V
 Current: 0.328 A Power: 7.87 W
 Power Factor: 1.000

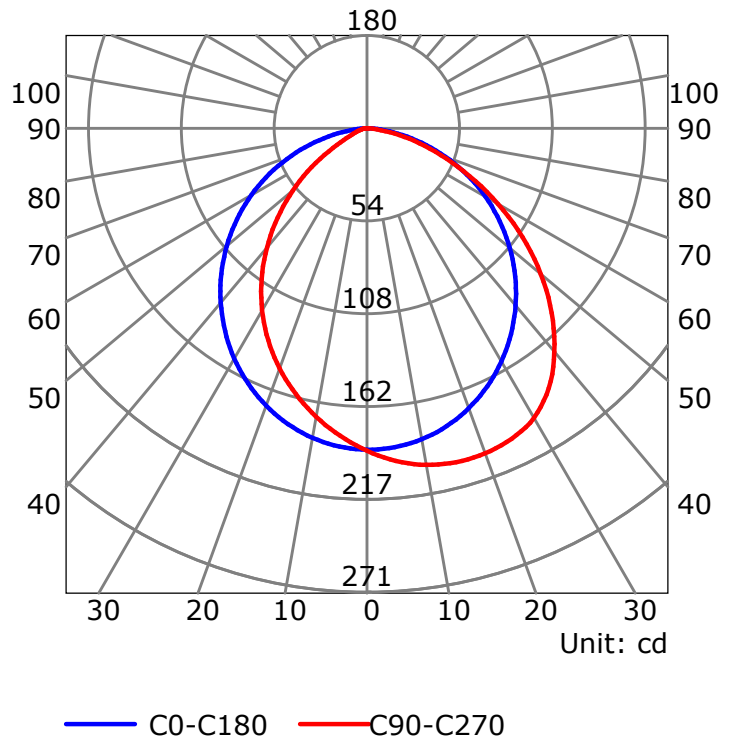
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 795.0 lm
Measurement Flux: 483 lm	Efficiency: 60.76%
Downward Ratio: 60.76%	Upward Ratio: 0.00%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.4, 138.7, 145.1, 145.3	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.0, 94.2, 100.9, 101.2	
Luminaire Efficacy Rating (LER): 61.43	Central Intensity: 188.07 cd
Max. Intensity: 202.58 cd	Pos of Max. Intensity: H90 V18
S/MH(C0/C180): 1.24	S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve

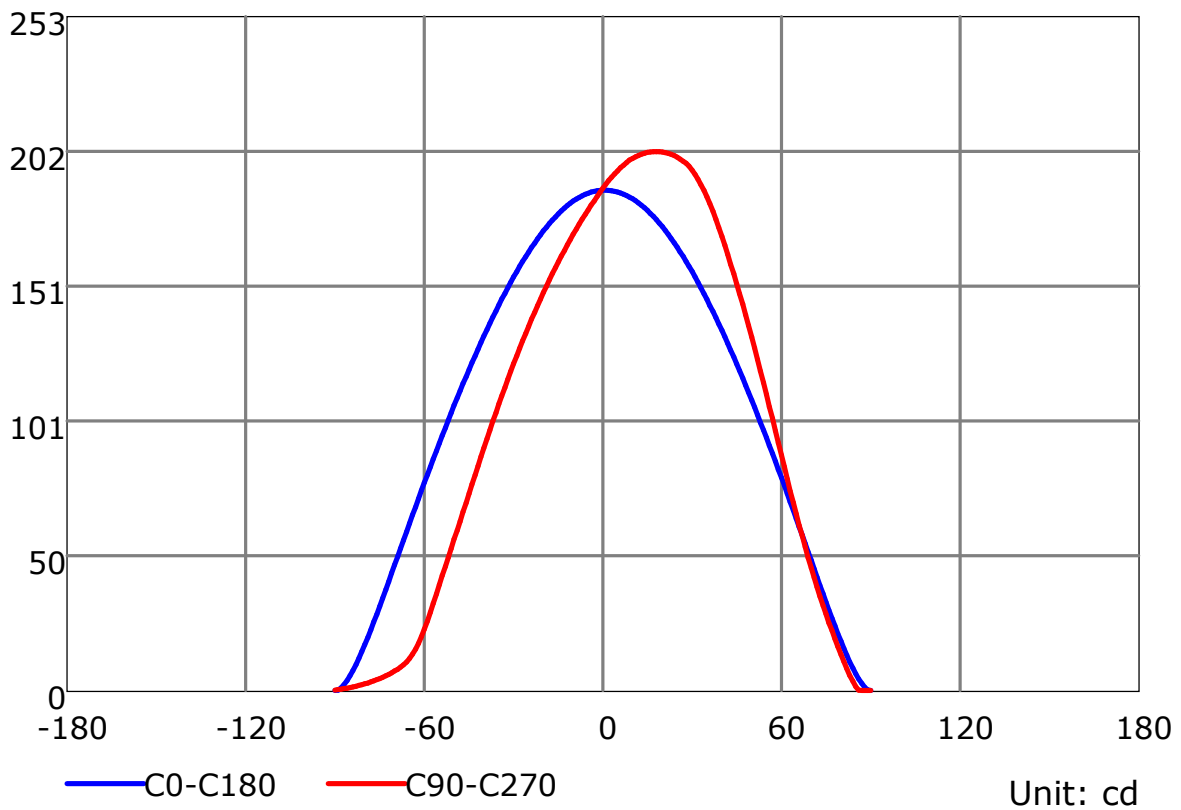
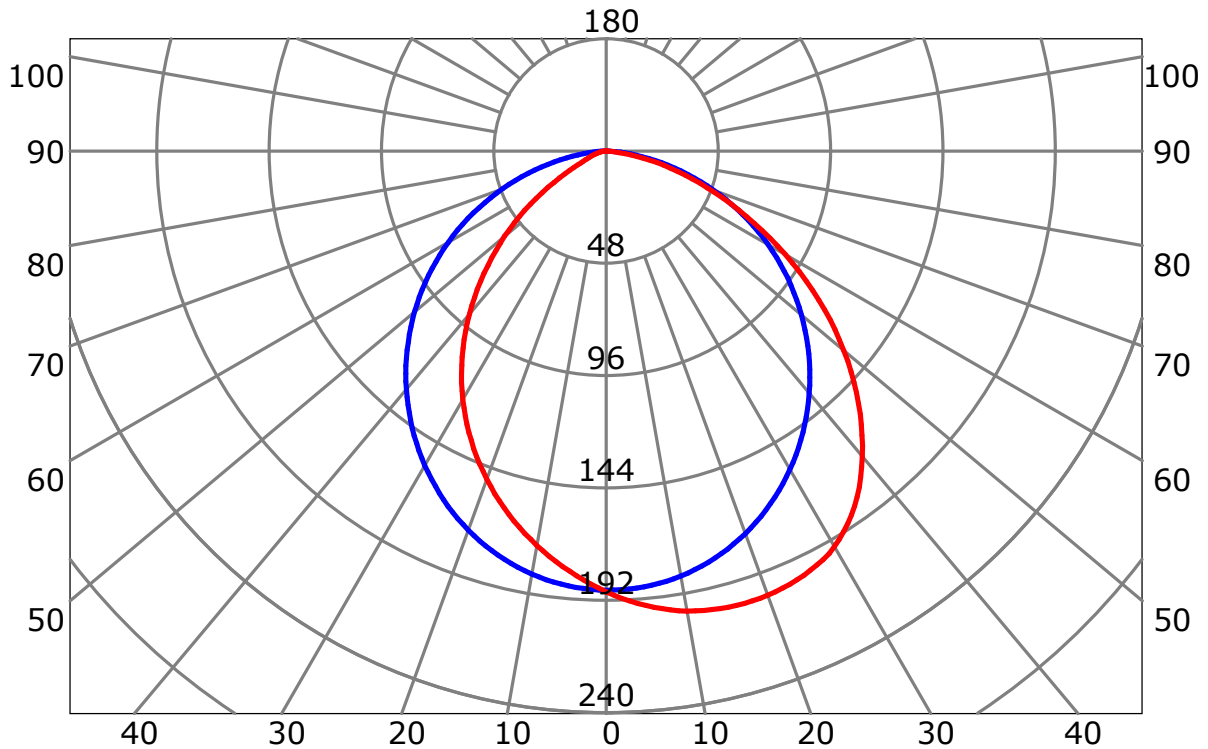


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Luminous Intensity Distribution Curve

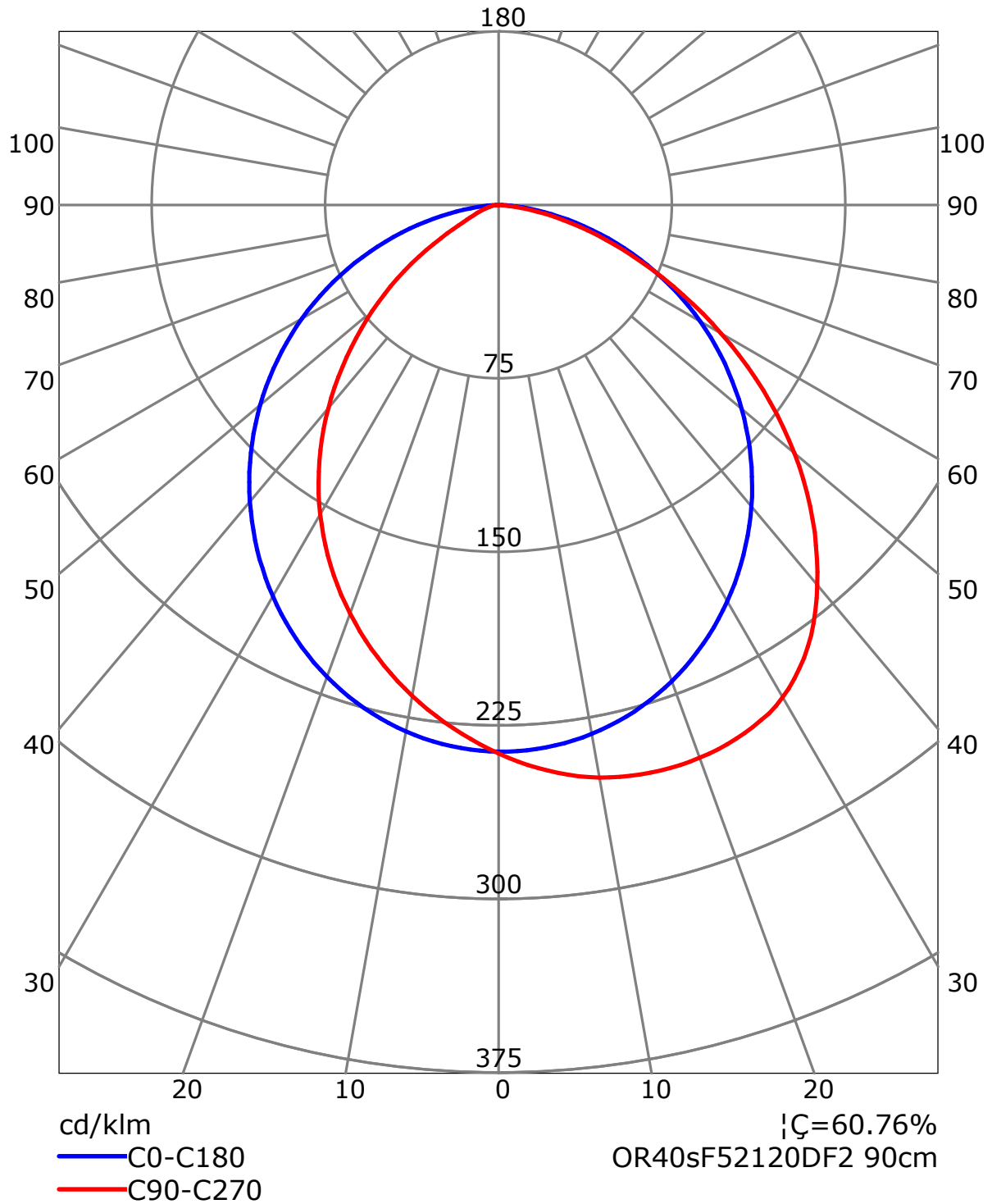


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Luminous Intensity Distribution Curve(cd/klm)

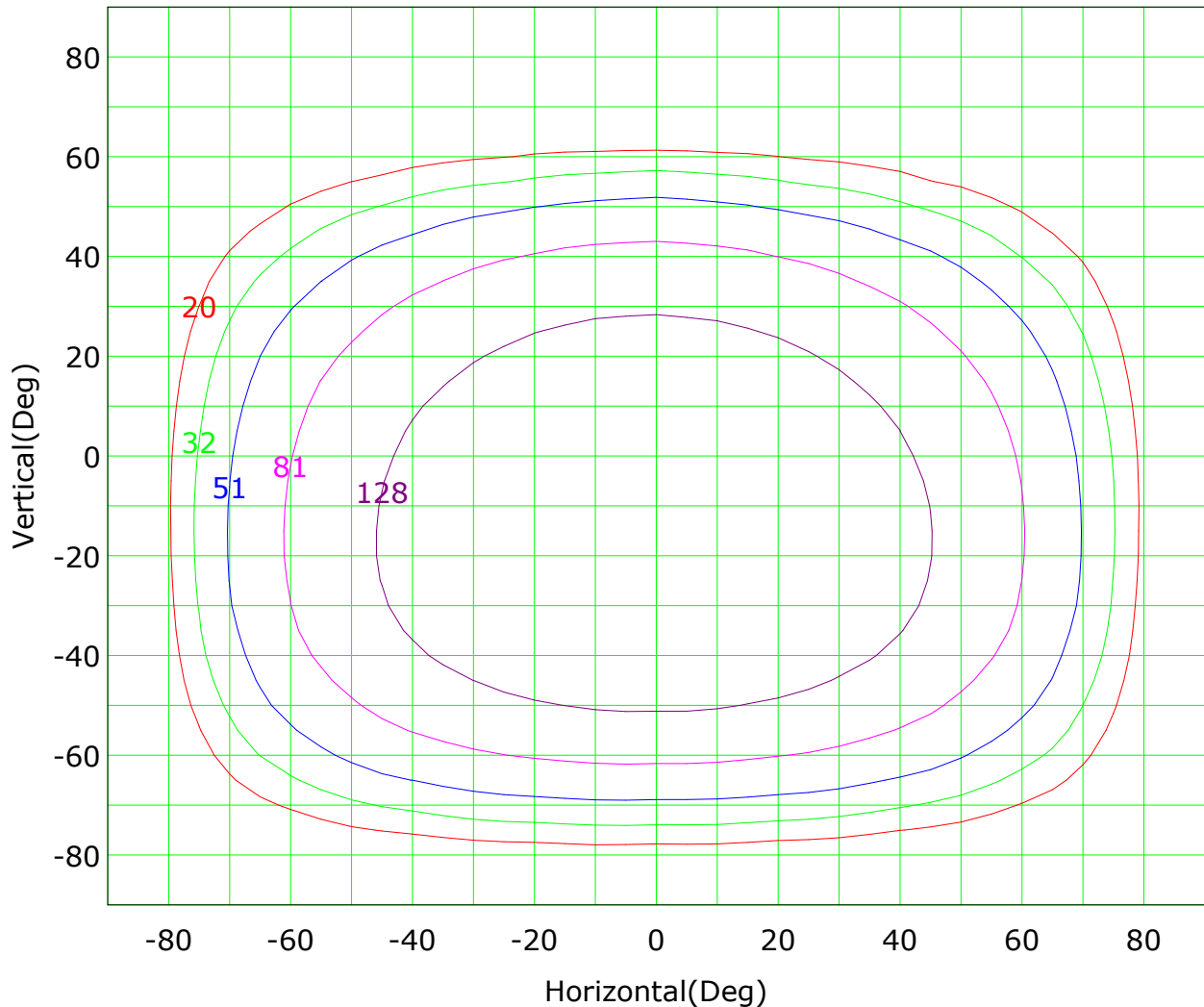


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Isocandela (rectangle)



Imax (100%): 203 cd

— (10%):	20 cd	— (16%):	32 cd
— (25%):	51 cd	— (40%):	81 cd
— (63%):	128 cd	— (100%):	203 cd

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1800B

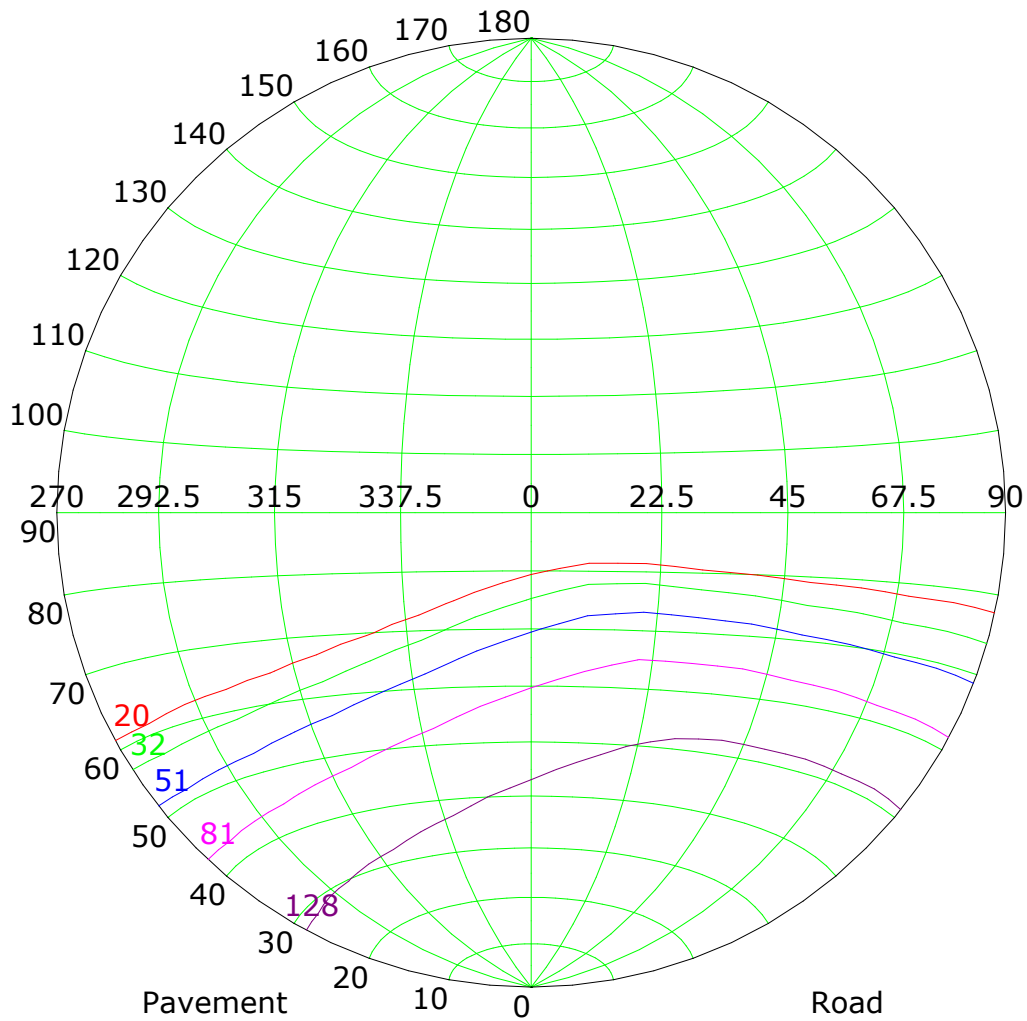
Distance: 7.792 m

Humidity:

Inspector:



Isocandela (sphere)



Imax (100%): 203 cd

— (10%):	20 cd	— (16%):	32 cd
— (25%):	51 cd	— (40%):	81 cd
— (63%):	128 cd	— (100%):	203 cd

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1800B

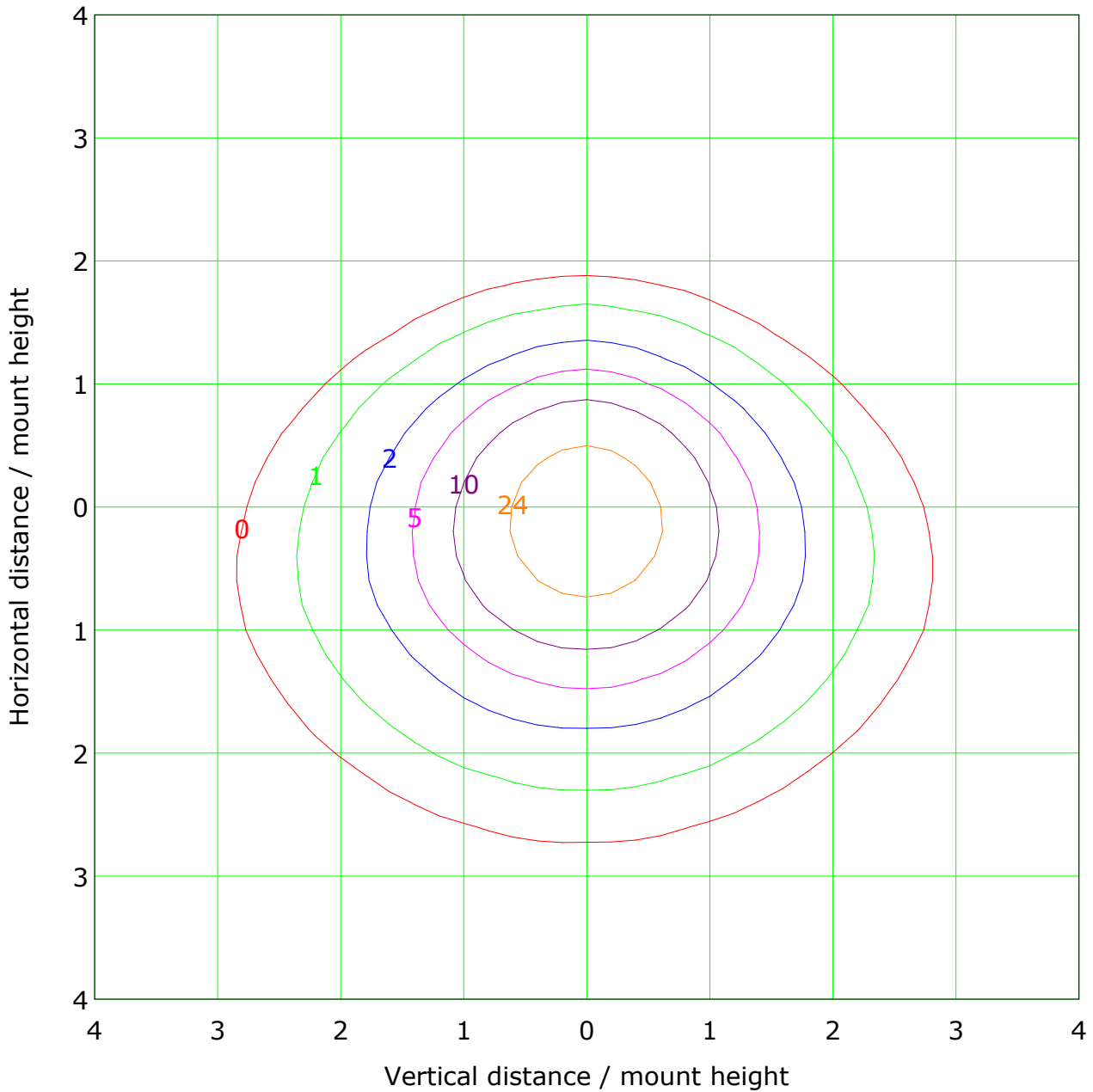
Distance: 7.792 m

Humidity:

Inspector:



IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 48.3 lx
— (1%):	0.5 lx	— (2%): 1.0 lx
— (5%):	2.4 lx	— (10%): 4.8 lx
— (20%):	9.7 lx	— (50%): 24.2 lx
— (100%):	48.3 lx	

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1800B

Distance: 7.792 m

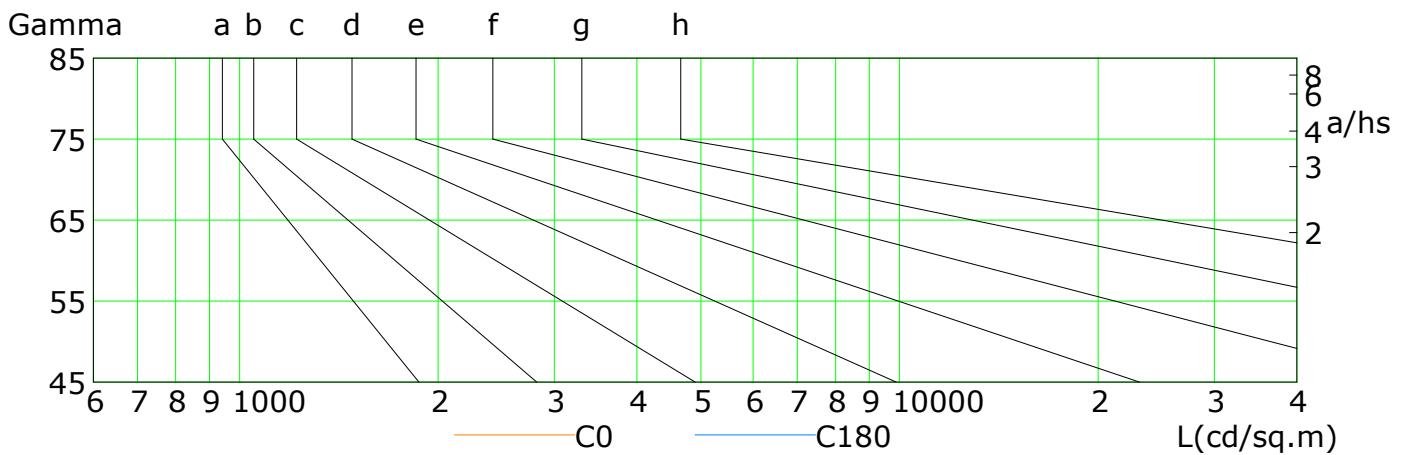
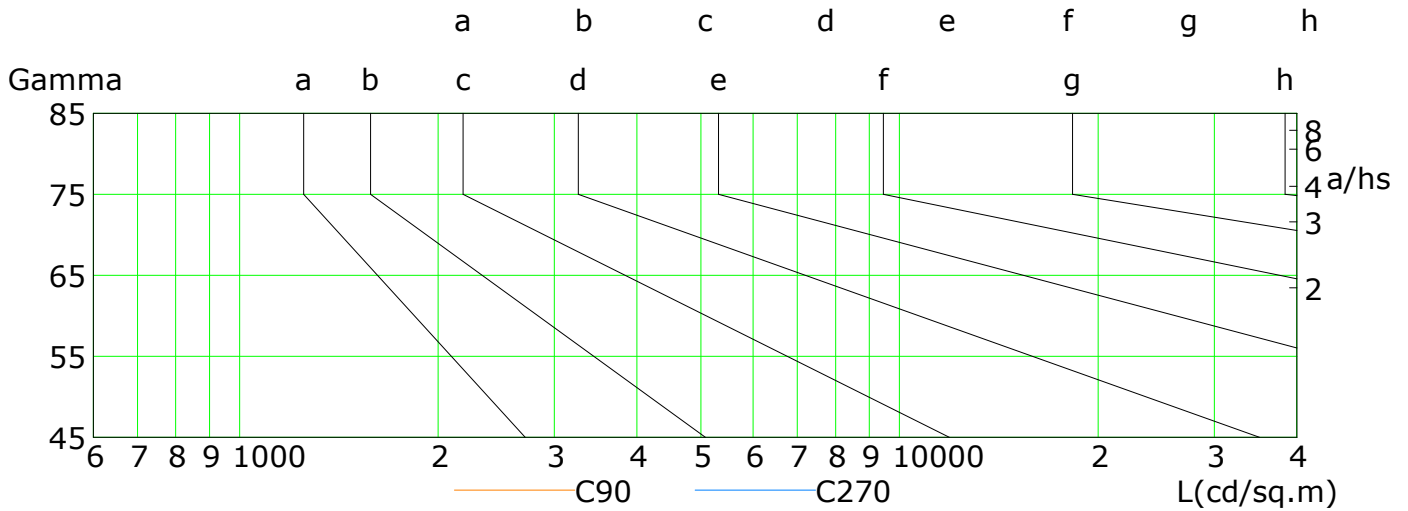
Humidity:

Inspector:



Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		a	b	c	d	e	f	g	h
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



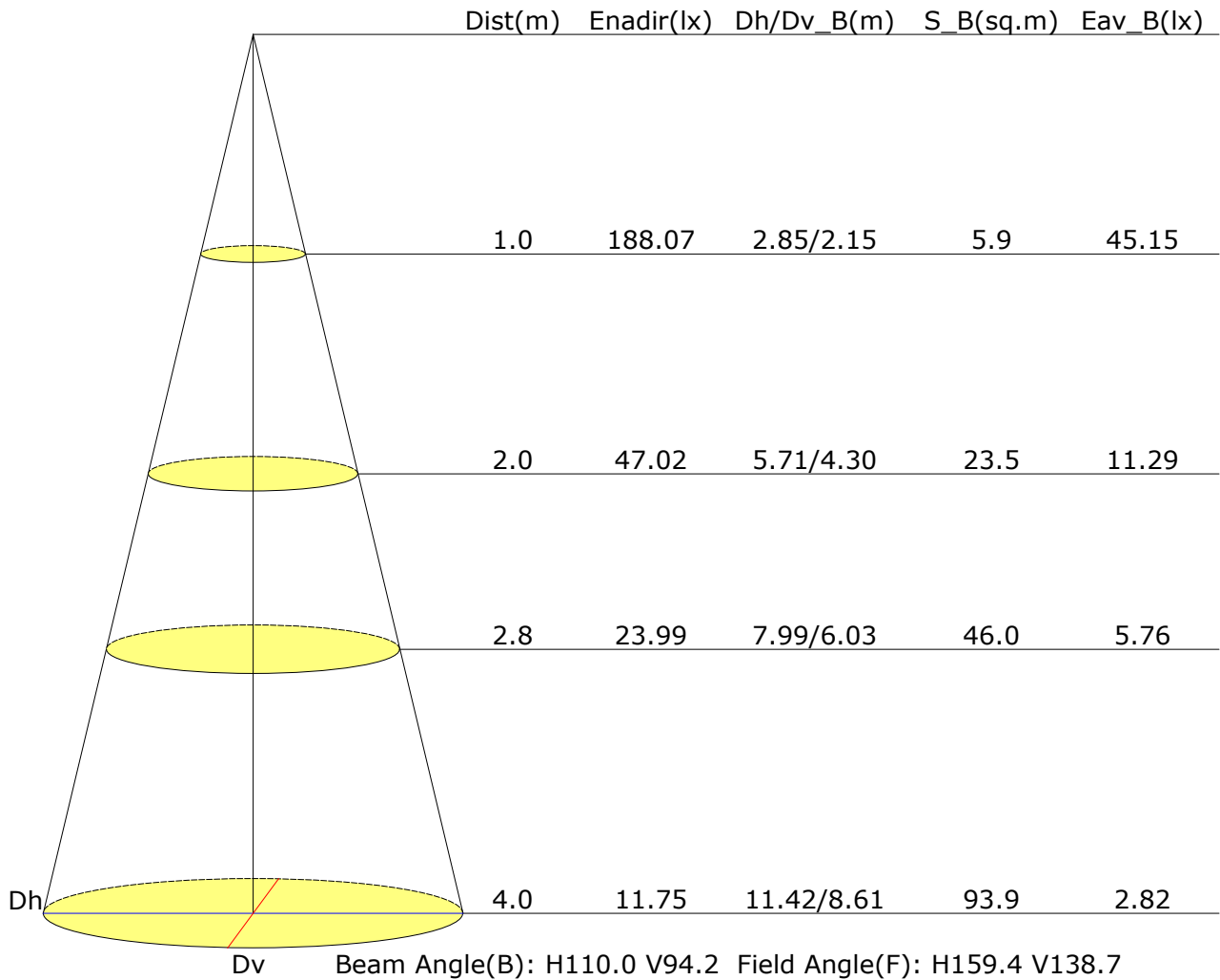
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	123	109	95	80	65	49	33	19	6
C90	153	133	111	89	67	46	29	14	2
C180	121	107	93	78	63	47	32	17	6
C270	74	57	40	23	12	7	5	3	1

C Plane (°):0.0-360.0: 10.0
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 Temperature:
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1800B
 Distance: 7.792 m
 Humidity:
 Inspector:



Illuminance at a Distance



C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1800B

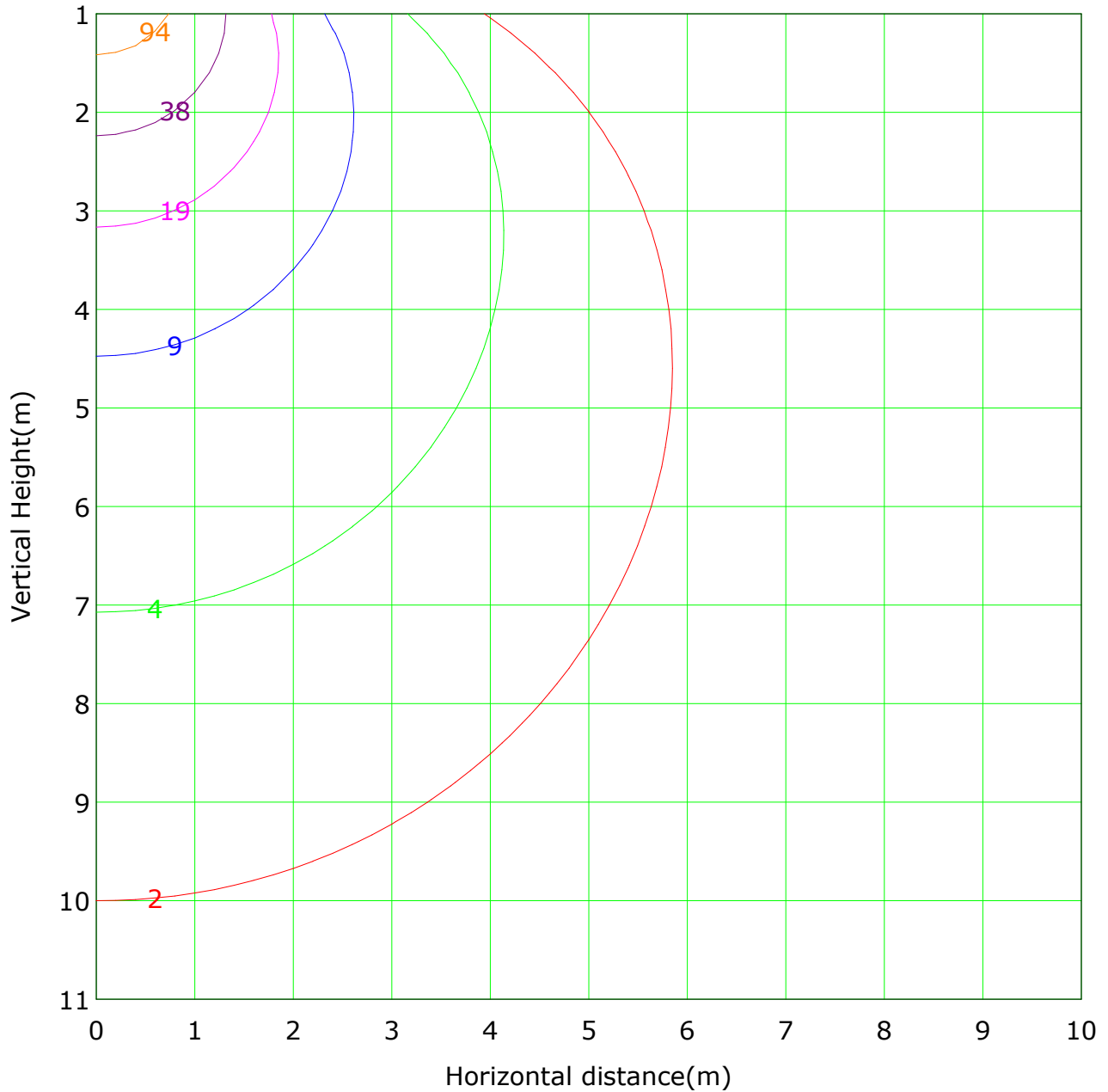
Distance: 7.792 m

Humidity:

Inspector:



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 188.1 lx

— (1%): 1.9 lx	— (2%): 3.8 lx
— (5%): 9.4 lx	— (10%): 18.8 lx
— (20%): 37.6 lx	— (50%): 94.0 lx
— (100%): 188.1 lx	

C Plane (°):0.0-360.0: 10.0
 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: