

Report No.:

Test Time: 19/04/2025 10:12

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-RE16-00

Lamp Description: F52-300-384OR2-W3 79,23cm

Number of Lamps: 1

Voltage: 24,01 V

Power: 4.98 W

Lumens per Lamp: 457

Current: 0.211 A

Power Factor: 1

Photometric Results

CIE Class: Direct

Measurement Flux: 103.8 lm

Downward Ratio: 22.65%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 180.0, 159.6, 179.0, 179.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 118.5, 110.8, 115.2, 115.2

Luminaire Efficacy Rating (LER): 20.89

Max. Intensity: 34 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 457.0 lm

Efficiency: 22.71%

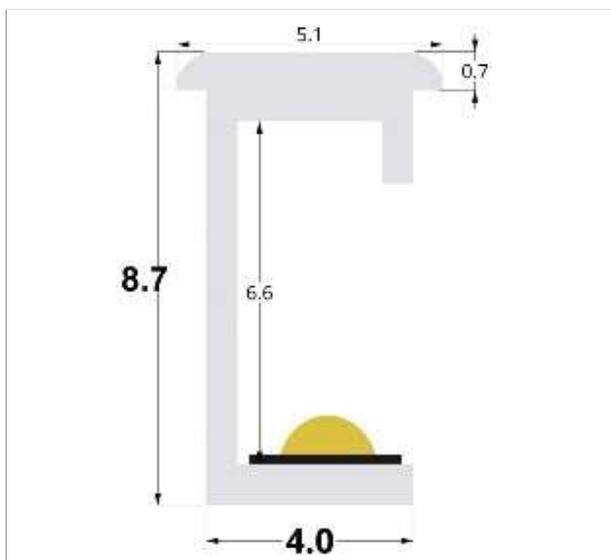
Upward Ratio: 0.06%

Central Intensity: 33.83 cd

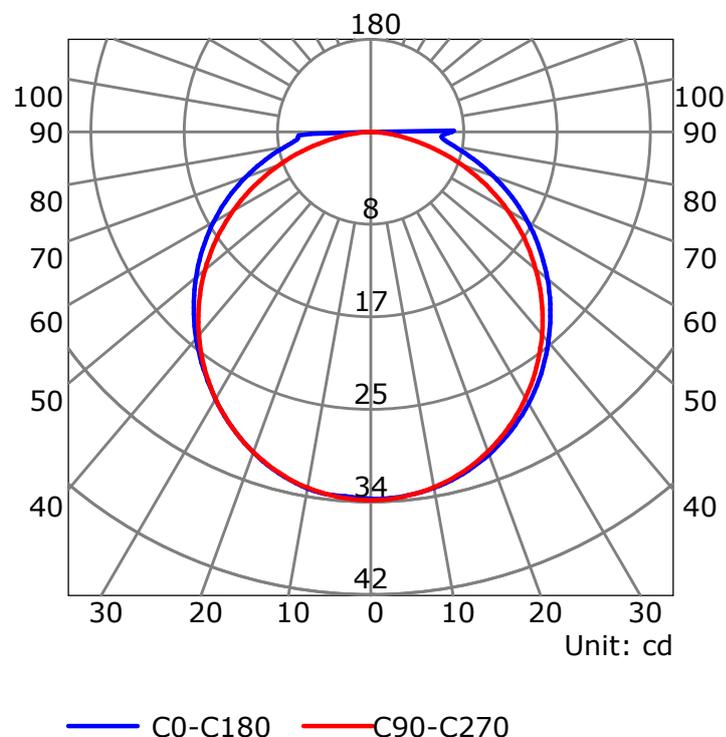
Pos of Max. Intensity: H350 V1

S/MH(C90/C270): 1.24

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 (°):0.0-180.0:1.0

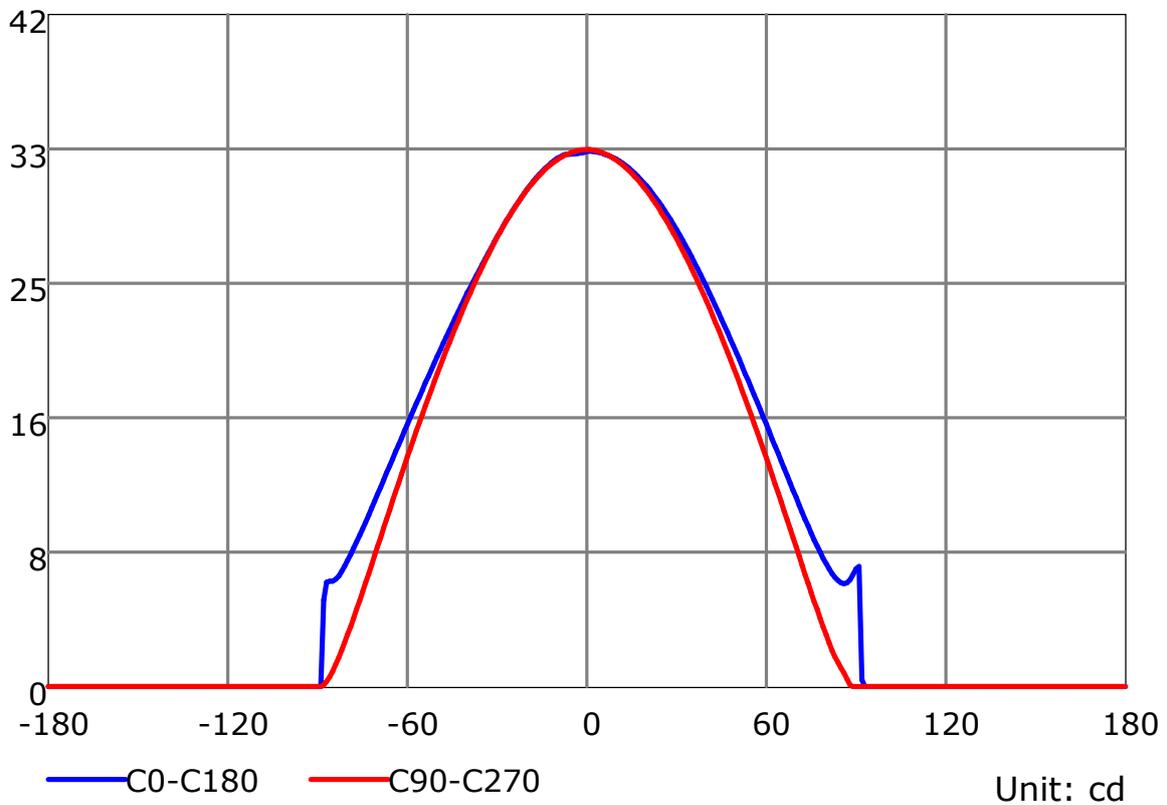
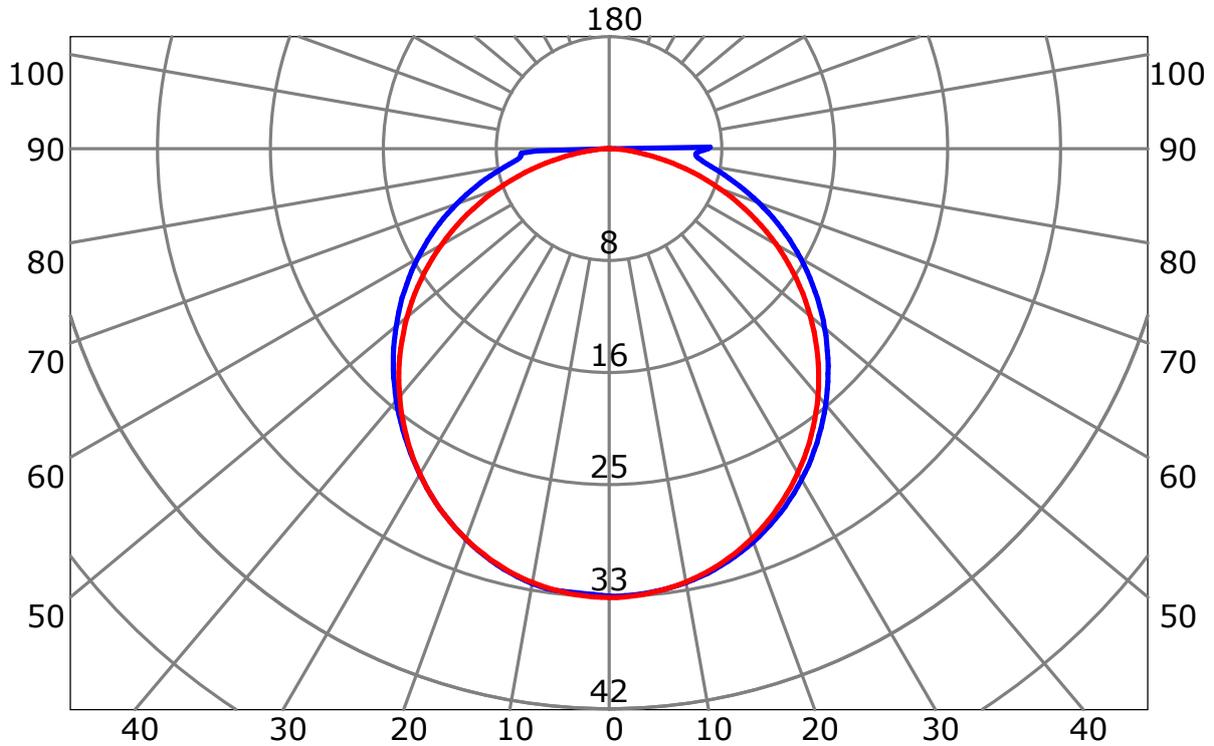
Test Device: GPM-1800B

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

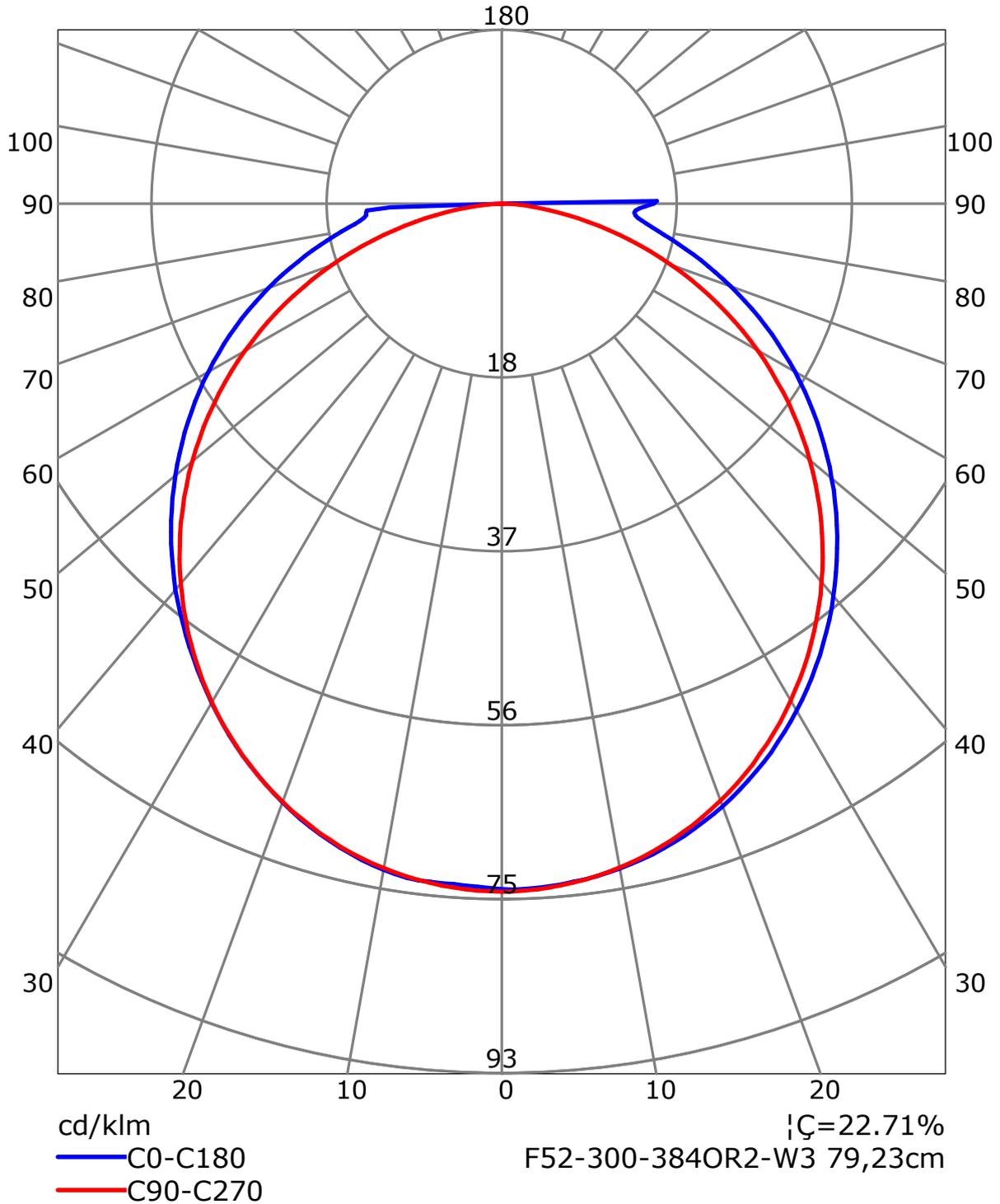
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

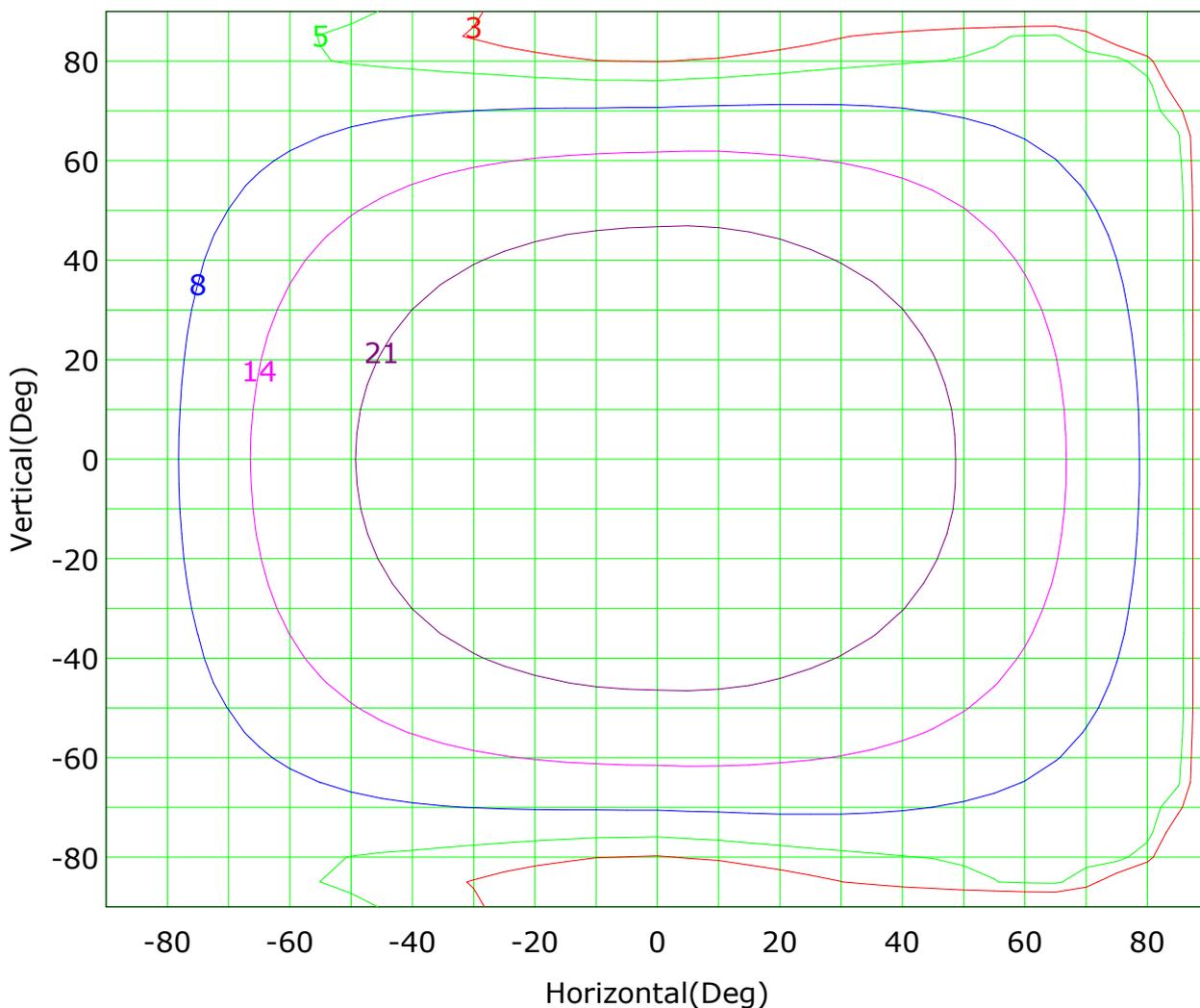
Luminous Intensity Distribution Curve(cd/klm)



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%): 34 cd

— (10%):	3 cd	— (16%):	5 cd
— (25%):	8 cd	— (40%):	14 cd
— (63%):	21 cd	— (100%):	34 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

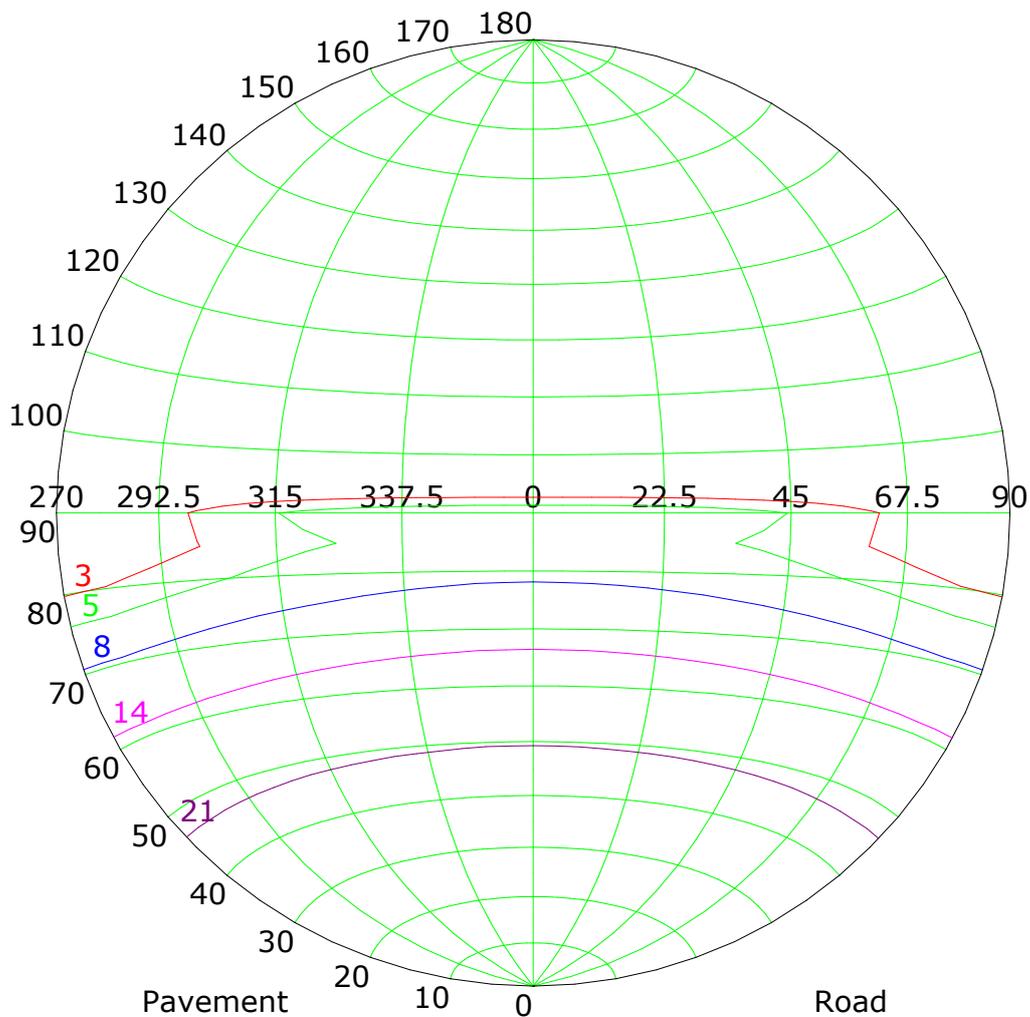
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 34 cd

— (10%):	3 cd	— (16%):	5 cd
— (25%):	8 cd	— (40%):	14 cd
— (63%):	21 cd	— (100%):	34 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

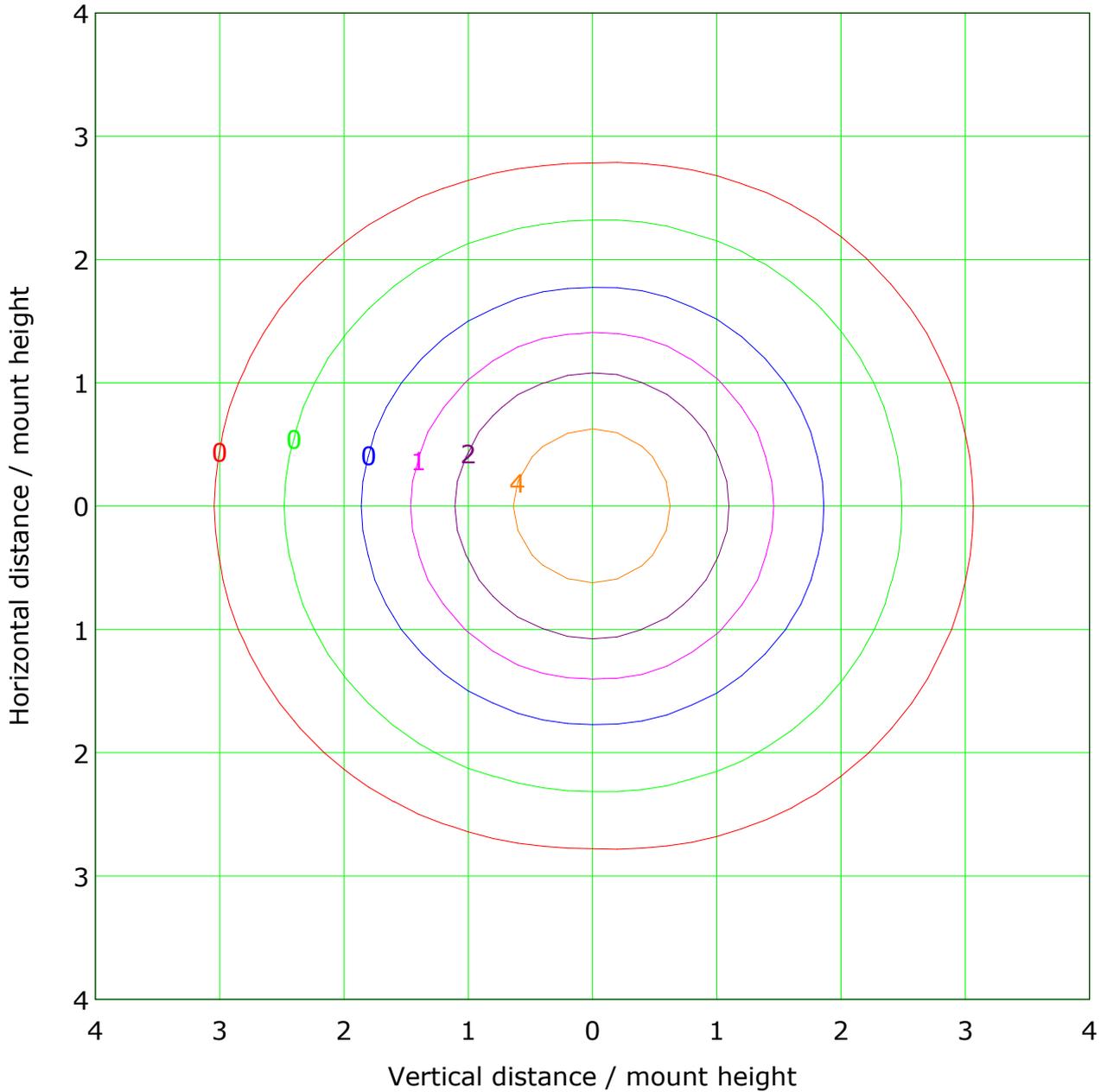
Test Device: GPM-1800B

Distance: 7.792 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 8.5 lx	
<ul style="list-style-type: none"> — (1%): 0.1 lx — (5%): 0.4 lx — (20%): 1.7 lx — (100%): 8.5 lx 	<ul style="list-style-type: none"> — (2%): 0.2 lx — (10%): 0.8 lx — (50%): 4.2 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

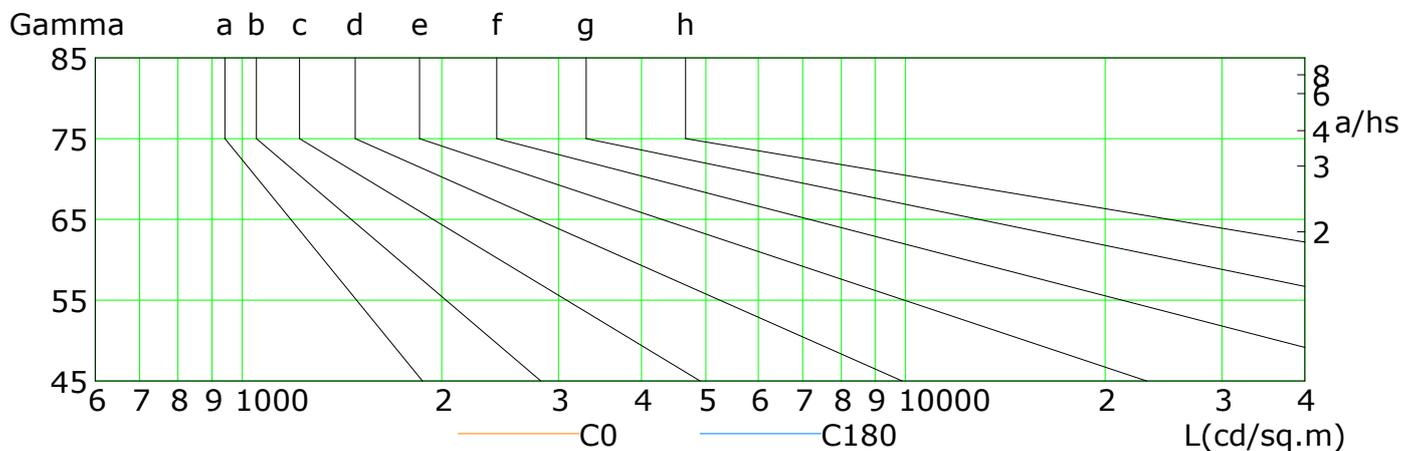
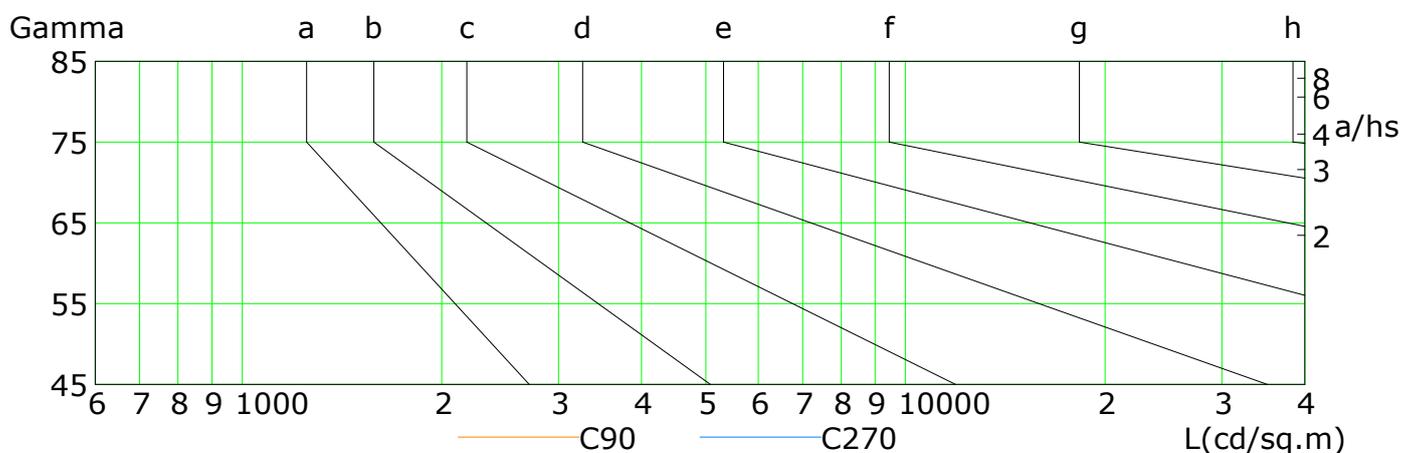
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		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

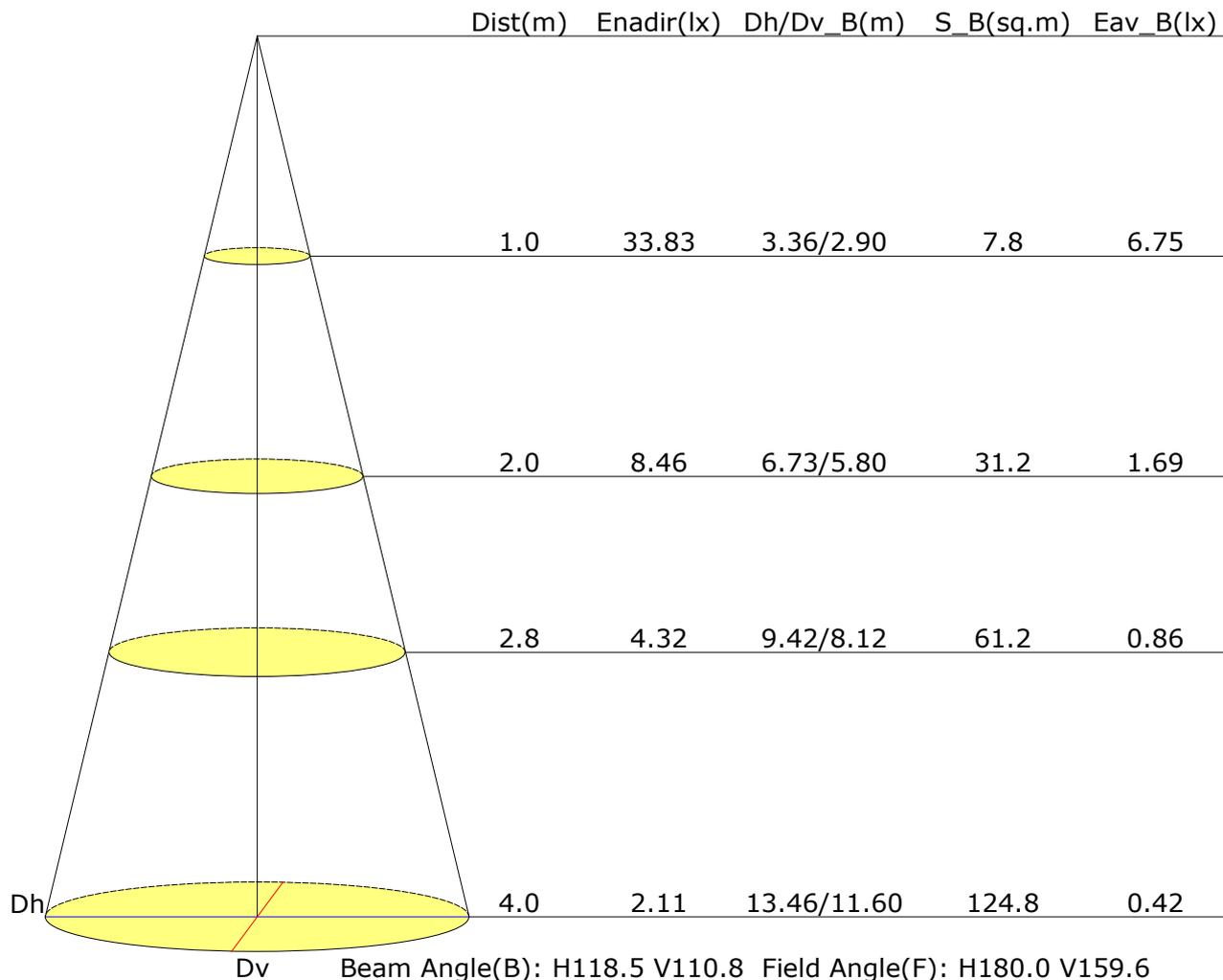


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	23	21	19	17	14	12	10	8	7
C90	22	20	17	14	12	9	6	3	1
C180	23	21	19	17	14	12	10	8	7
C270	22	20	17	15	12	9	6	3	1

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:

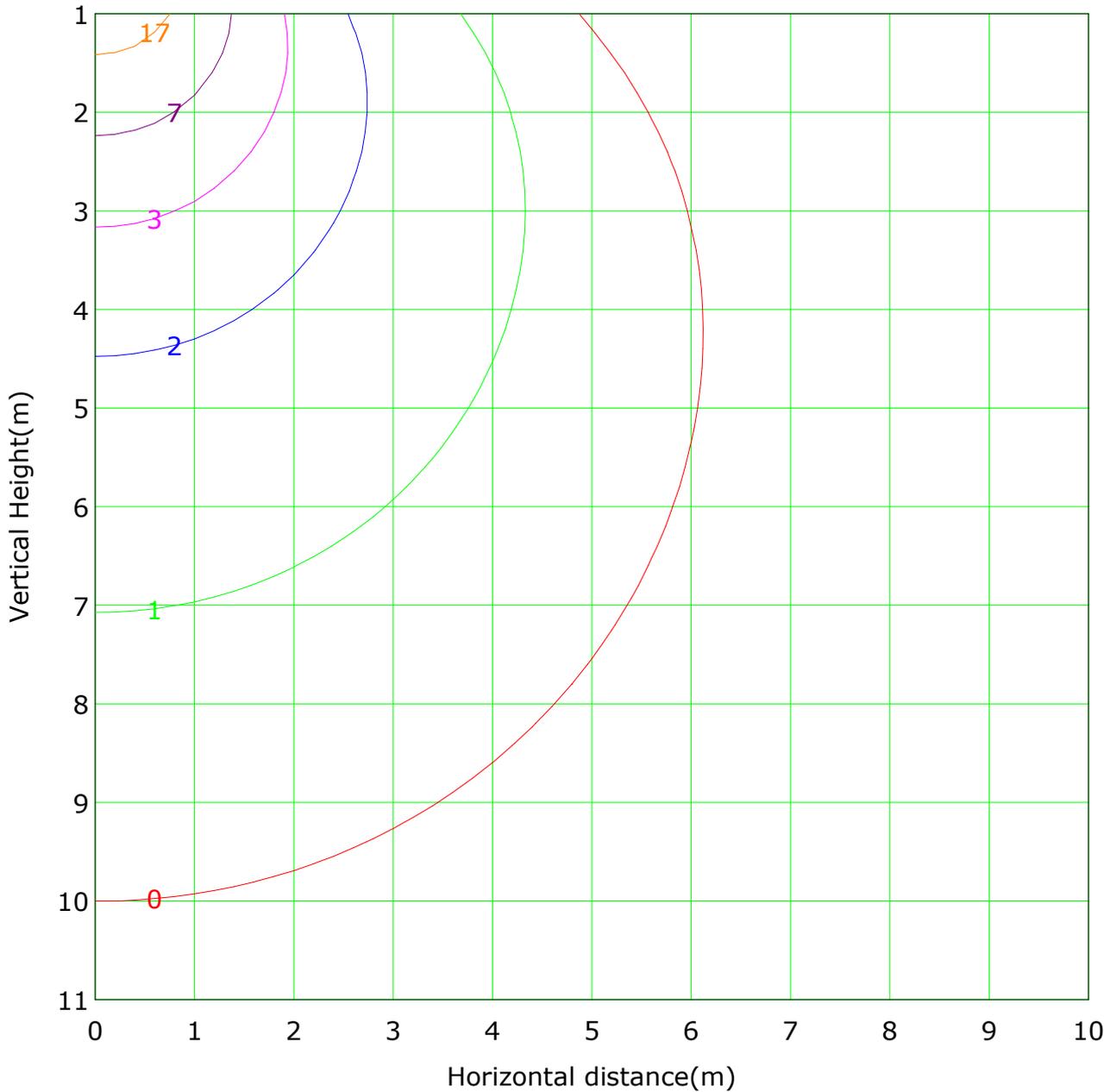
Illuminance at a Distance



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:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 33.8 lx
— (1%): 0.3 lx	— (2%): 0.7 lx	
— (5%): 1.7 lx	— (10%): 3.4 lx	
— (20%): 6.8 lx	— (50%): 16.9 lx	
— (100%): 33.8 lx		

C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 7.792 m
 Humidity:
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