



Report No.:

Test Time: 01/10/2018 17:06

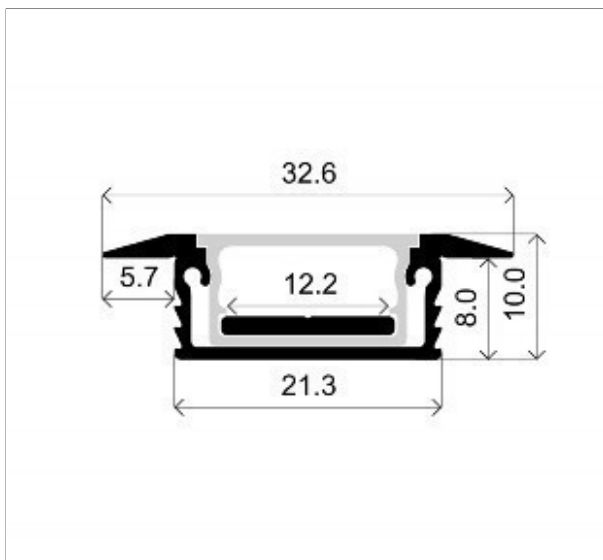
Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-RE07-12 + LLD-12-WM
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1
 Lumens per Lamp: 1579 lm Voltage: 24.0 V
 Current: 0.581 A Power: 13.93 W
 Power Factor: 1.000

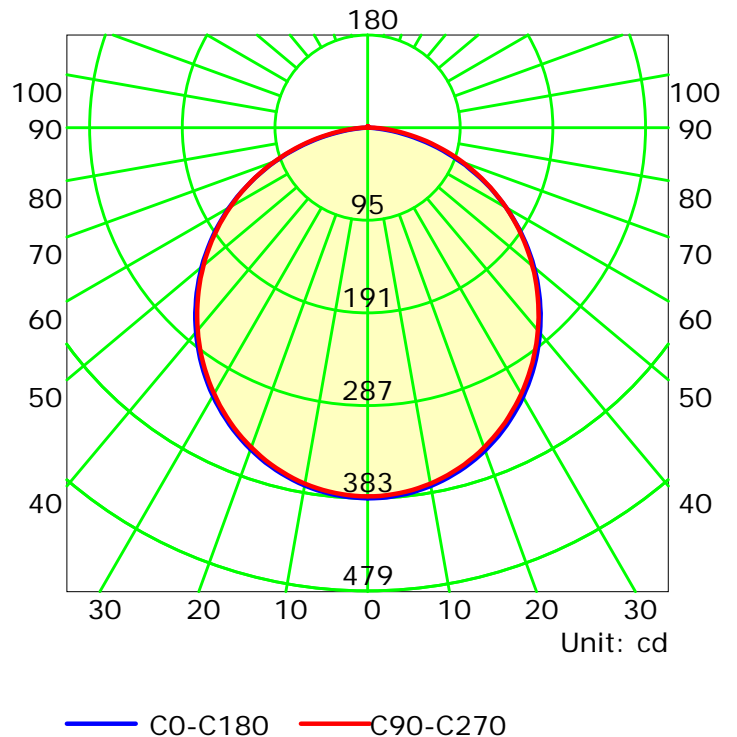
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 1078.9 lm	Efficiency: 68.33%
Downward Ratio: 68.07%	Upward Ratio: 0.26%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 162.0, 161.3, 160.9	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.4, 111.1, 111.4, 111.2	
Luminaire Efficacy Rating (LER): 77.50	Central Intensity: 383.5 cd
Max. Intensity: 383.5 cd	Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.25	S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve

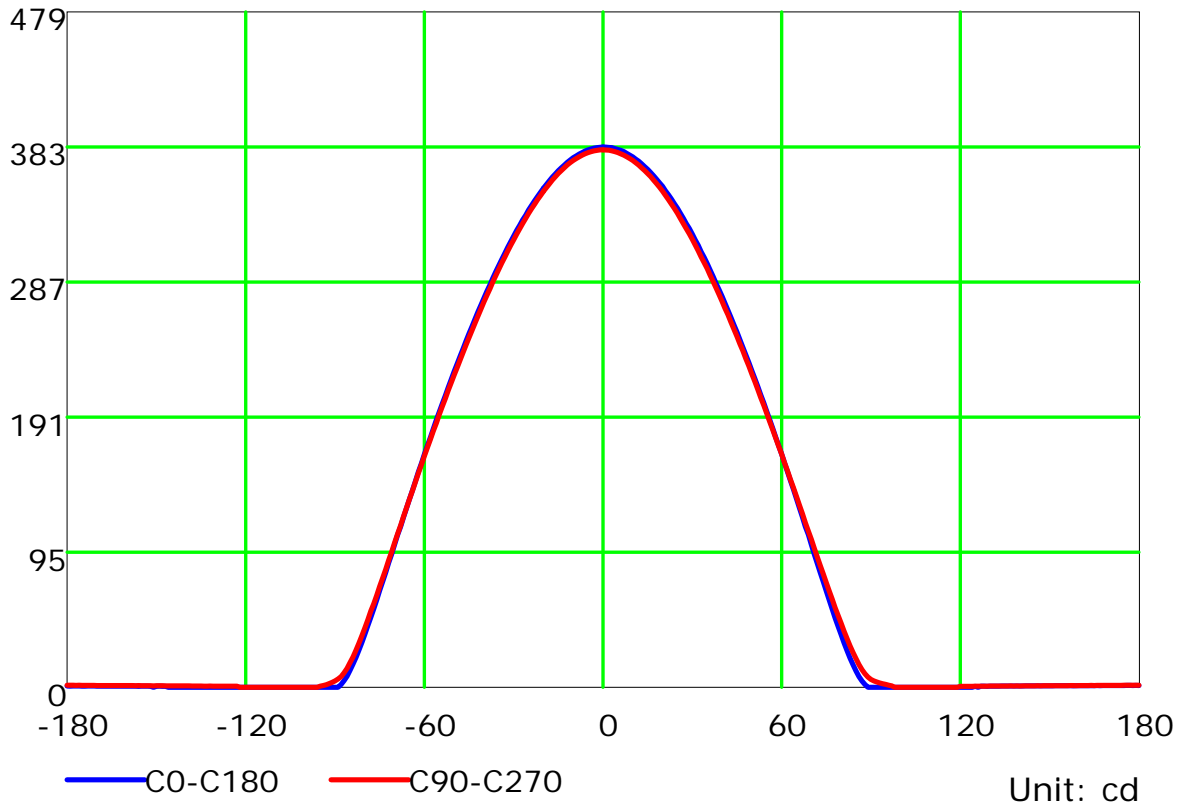
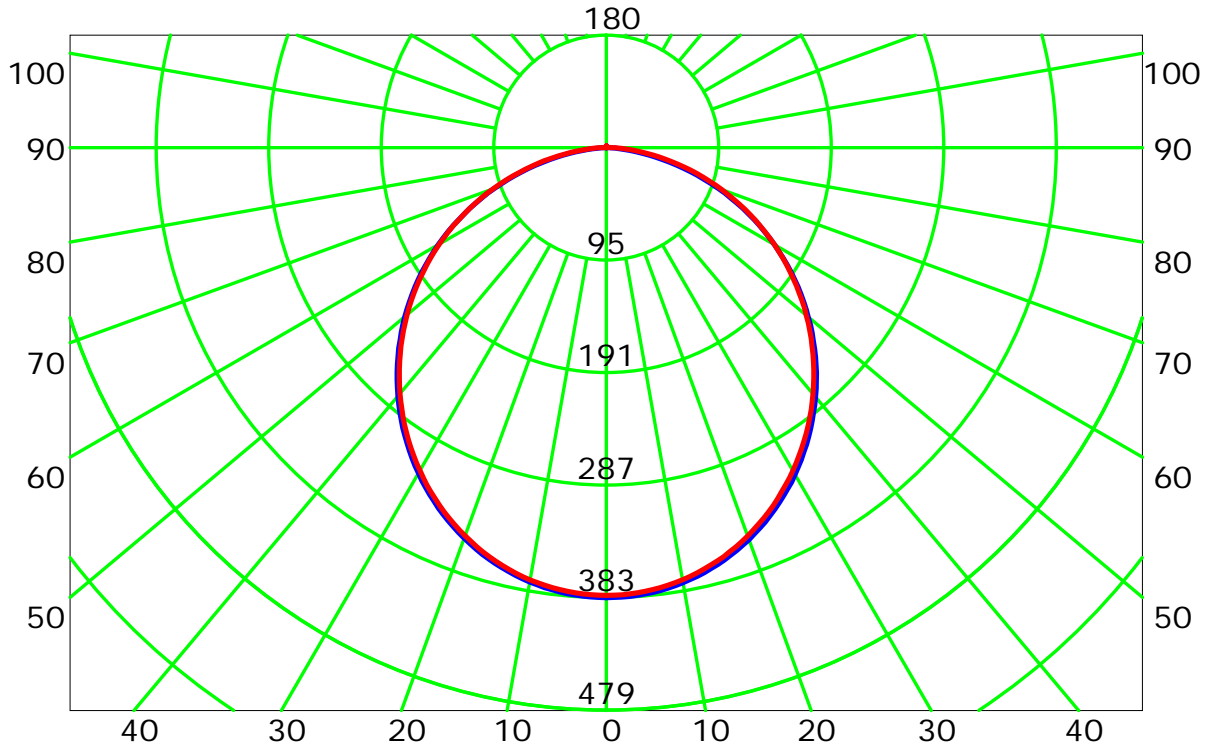


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-2000
 Distance: 7.970 m
 Humidity:
 Inspector:



Luminous Intensity Distribution Curve

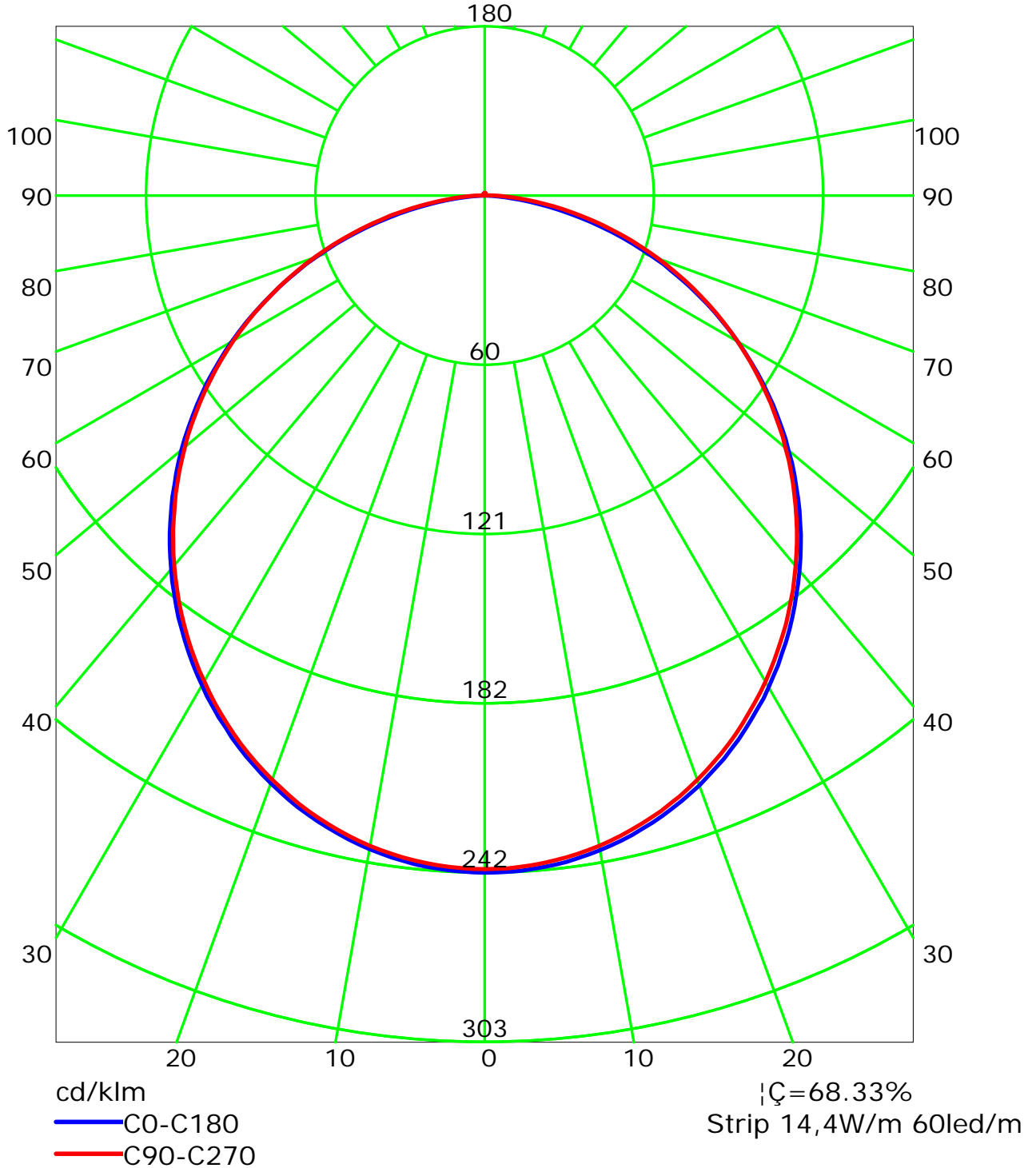


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Test Device: GPM-2000
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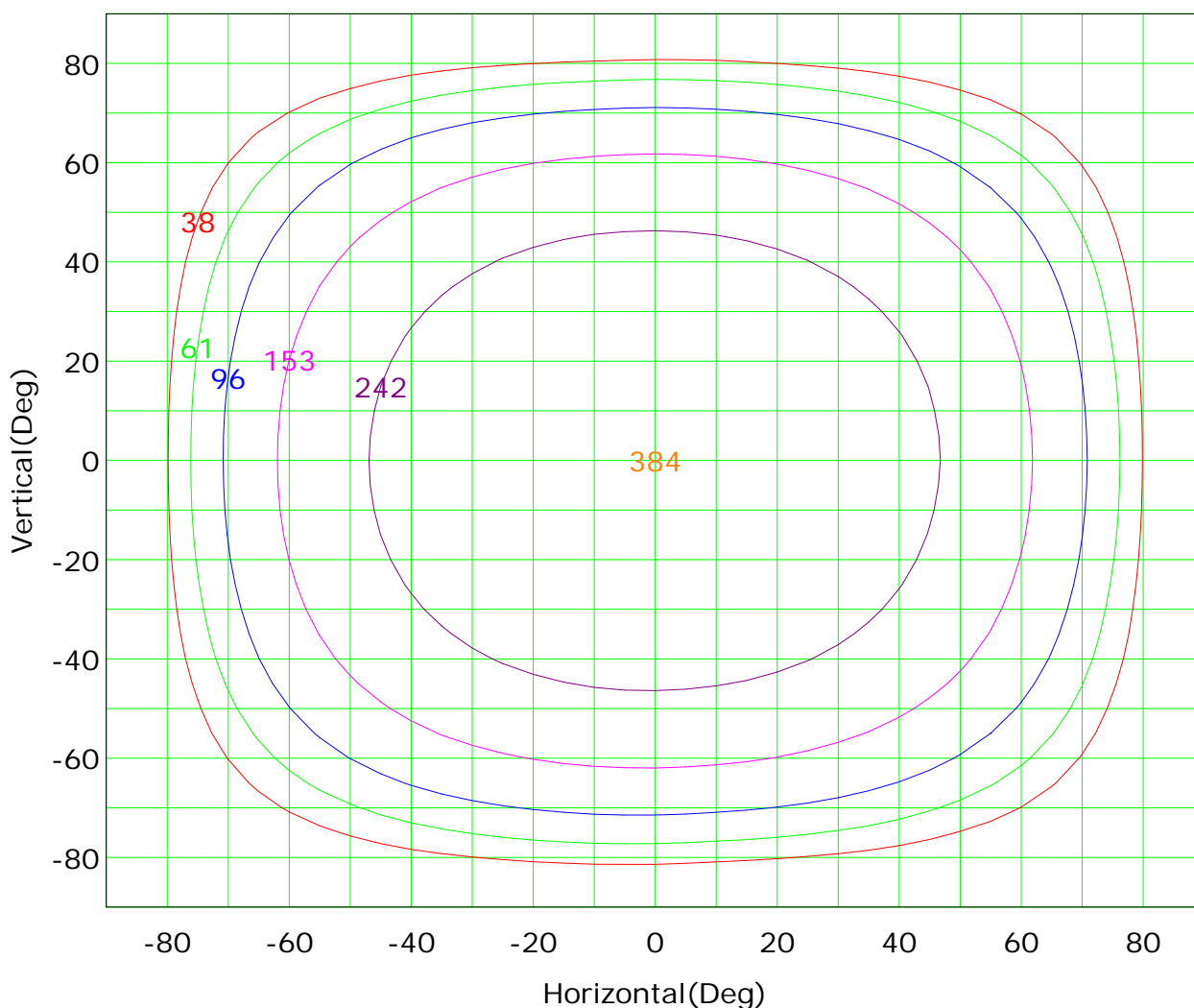
Luminous Intensity Distribution Curve(cd/klm)



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

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Test Device: GPM-2000
Distance: 7.970 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 384 cd

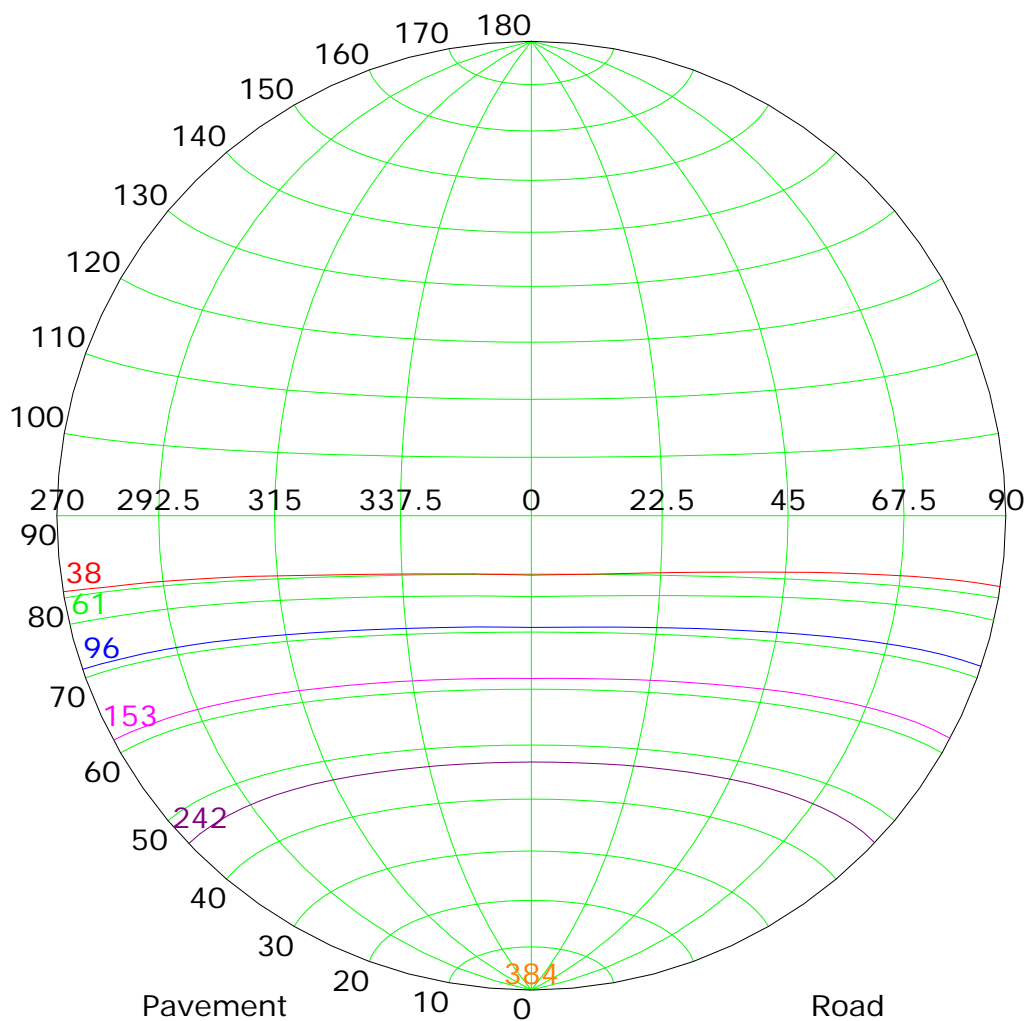
- | | | | |
|-----------|--------|-----------|--------|
| — (10%): | 38 cd | — (16%): | 61 cd |
| — (25%): | 96 cd | — (40%): | 153 cd |
| — (63%): | 242 cd | — (100%): | 384 cd |

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-2000
 Distance: 7.970 m
 Humidity:
 Inspector:



Isocandela (sphere)



Imax (100%): 384 cd

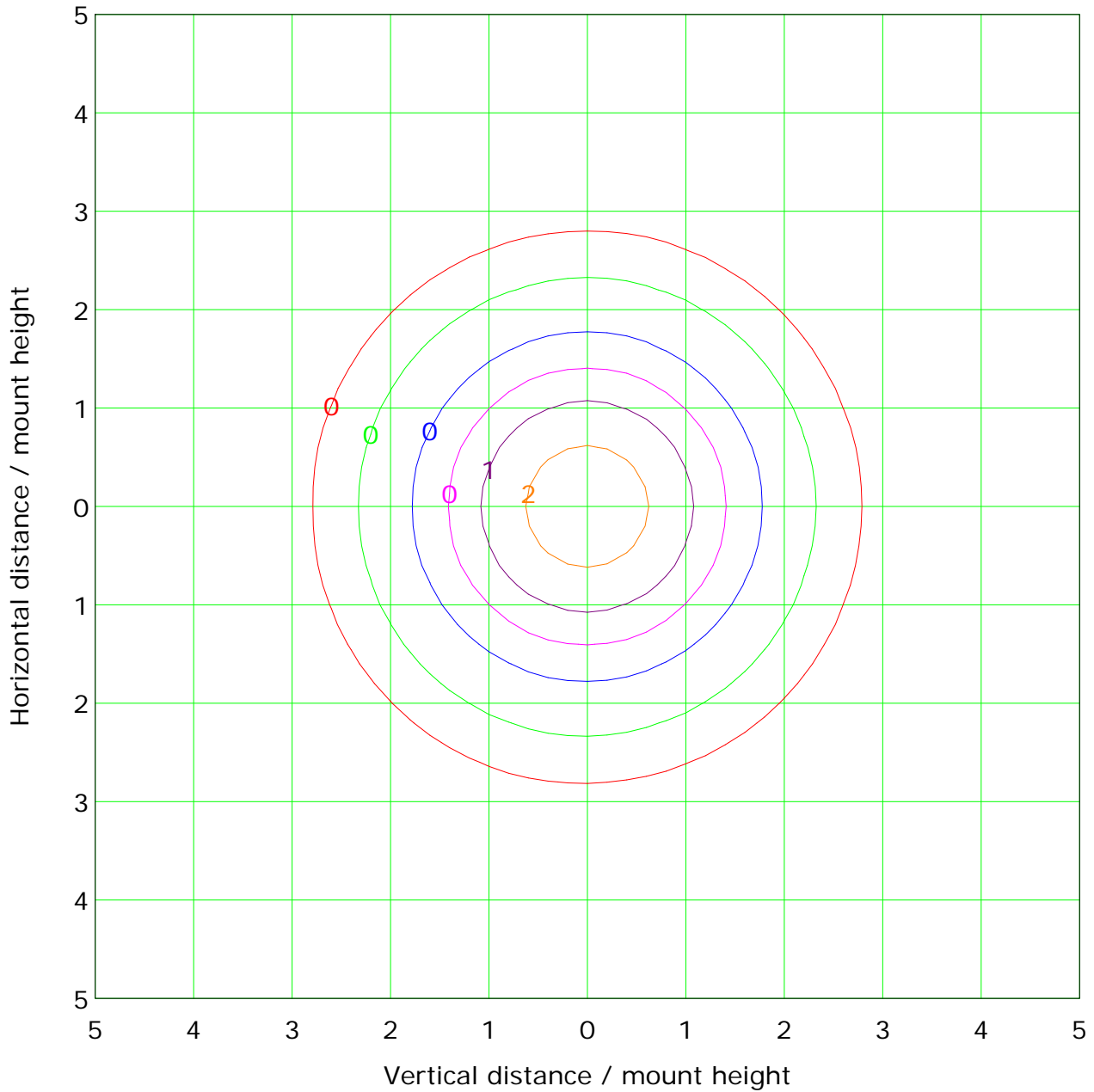
— (10%):	38 cd	— (16%):	61 cd
— (25%):	96 cd	— (40%):	153 cd
— (63%):	242 cd	— (100%):	384 cd

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-2000
 Distance: 7.970 m
 Humidity:
 Inspector:



IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 3.8 lx	
— (1%):	0.0 lx	— (2%):	0.1 lx
— (5%):	0.2 lx	— (10%):	0.4 lx
— (20%):	0.8 lx	— (50%):	1.9 lx
— (100%):	3.8 lx		

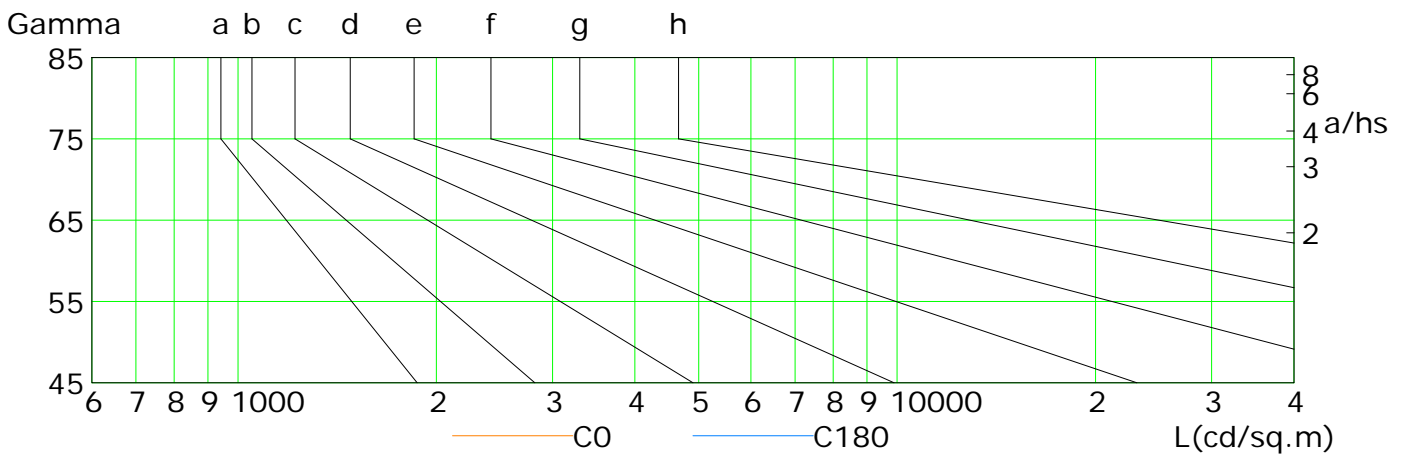
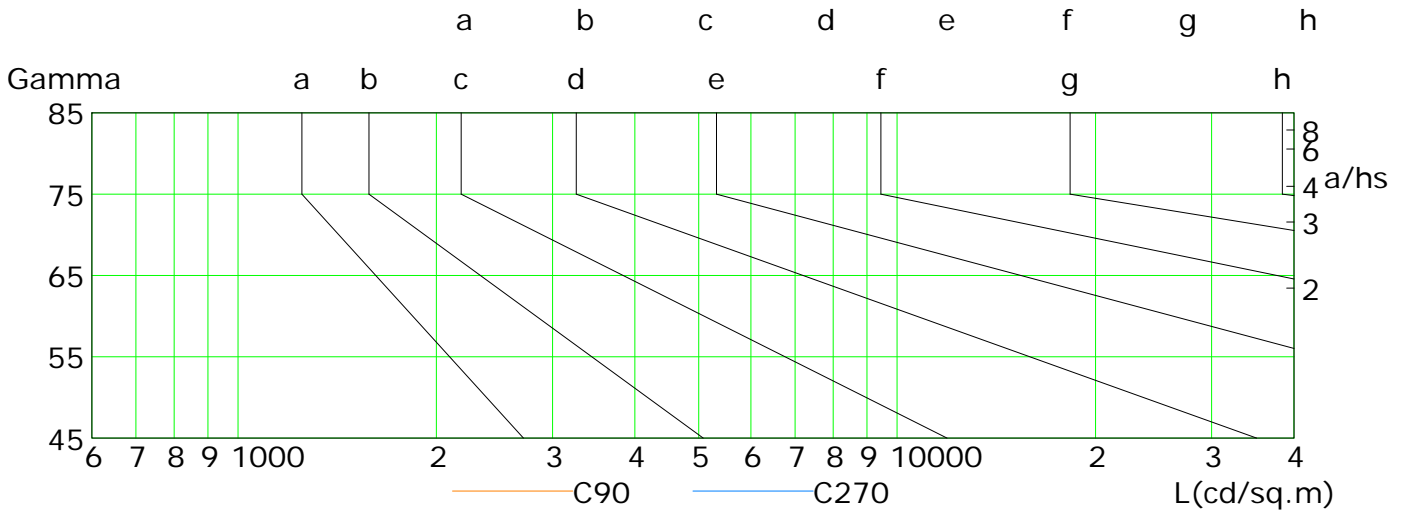
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 Test Device: GPM-2000
 Distance: 7.970 m
 Humidity:
 Inspector:



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



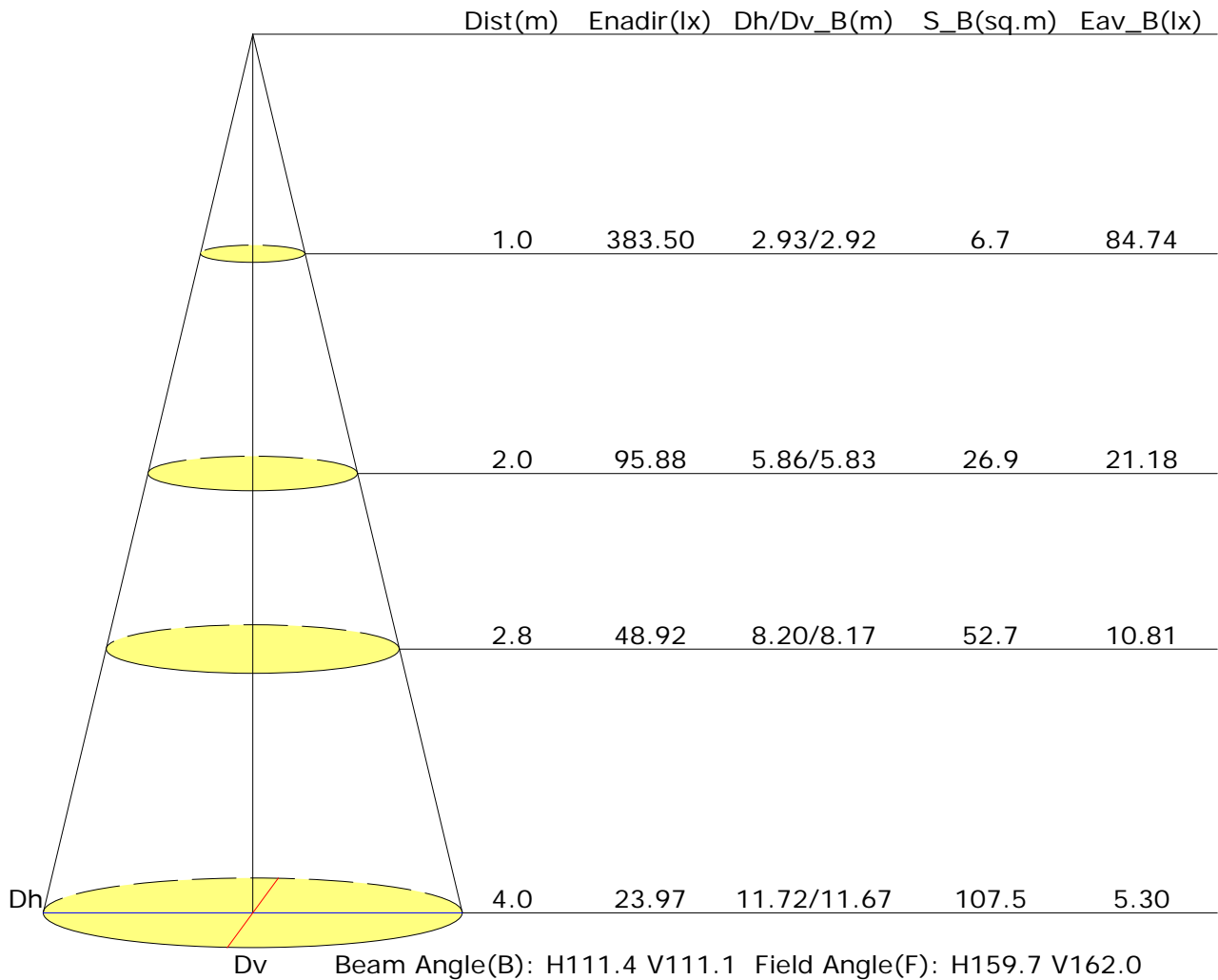
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	252	225	196	166	134	101	68	37	12
C90	249	222	194	166	135	105	74	45	20
C180	251	224	195	165	134	101	69	38	12
C270	248	222	194	164	134	103	72	42	17

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 Test Device: GPM-2000
 Distance: 7.970 m
 Humidity:
 Inspector:

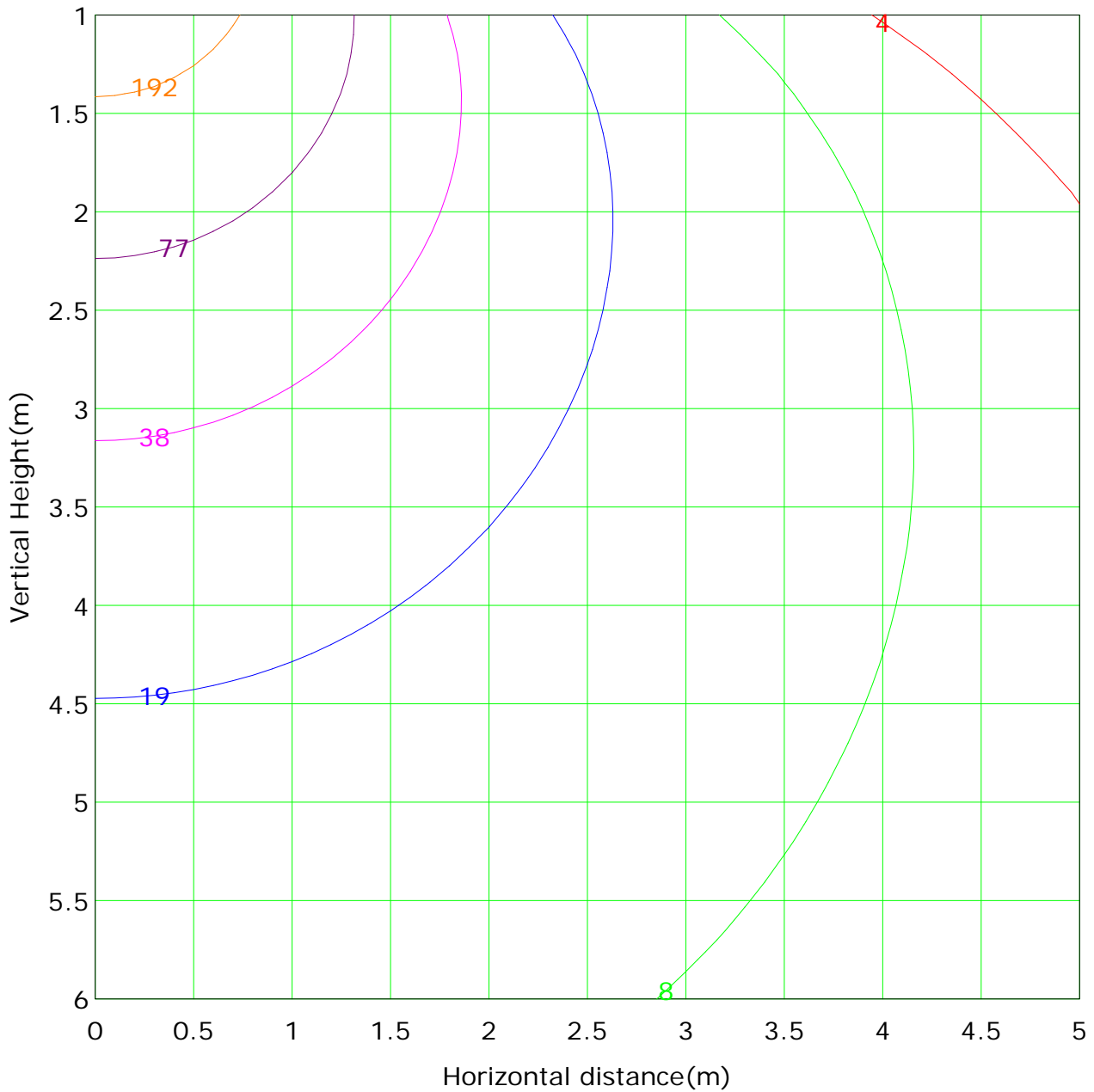


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 383.5 lx
(1%): 3.8 lx	(2%): 7.7 lx	(10%): 38.4 lx
(5%): 19.2 lx	(20%): 76.7 lx	(50%): 191.8 lx
(100%): 383.5 lx		

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-2000
 Distance: 7.970 m
 Humidity:
 Inspector: