



Report No.:

Test Time: 26/09/2019 15:20

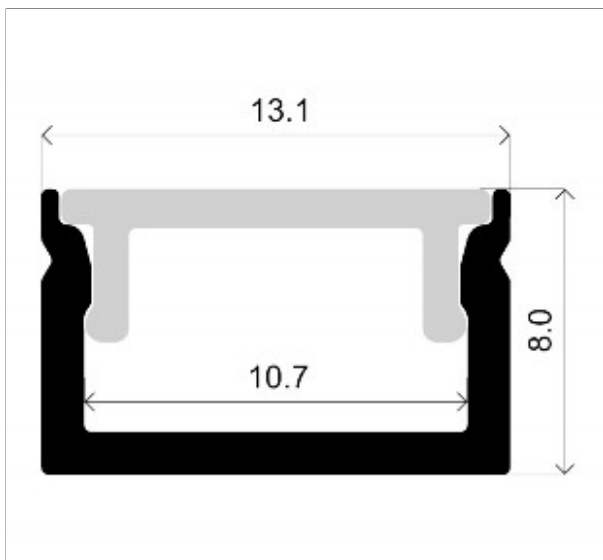
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-SL12-16 + PRD-16-FM  
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1  
 Lumens per Lamp: 1007 Voltage: 24.0 V  
 Current: 0.608 A Power: 14.59 W  
 Power Factor: 1.000

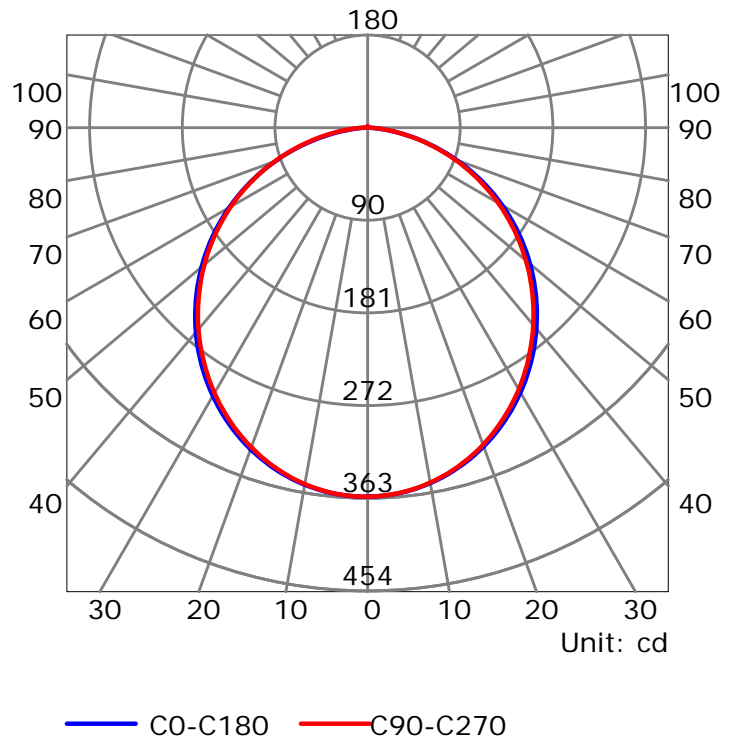
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1007.0 lm
Measurement Flux: 1007 lm	Efficiency: 100.00%
Downward Ratio: 99.56%	Upward Ratio: 0.44%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 160.5, 160.4, 160.1	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.8, 109.3, 110.1, 110.0	
Luminaire Efficacy Rating (LER): 69.07	Central Intensity: 361.99 cd
Max. Intensity: 362.11 cd	Pos of Max. Intensity: H190 V1
S/MH(C0/C180): 1.24	S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve

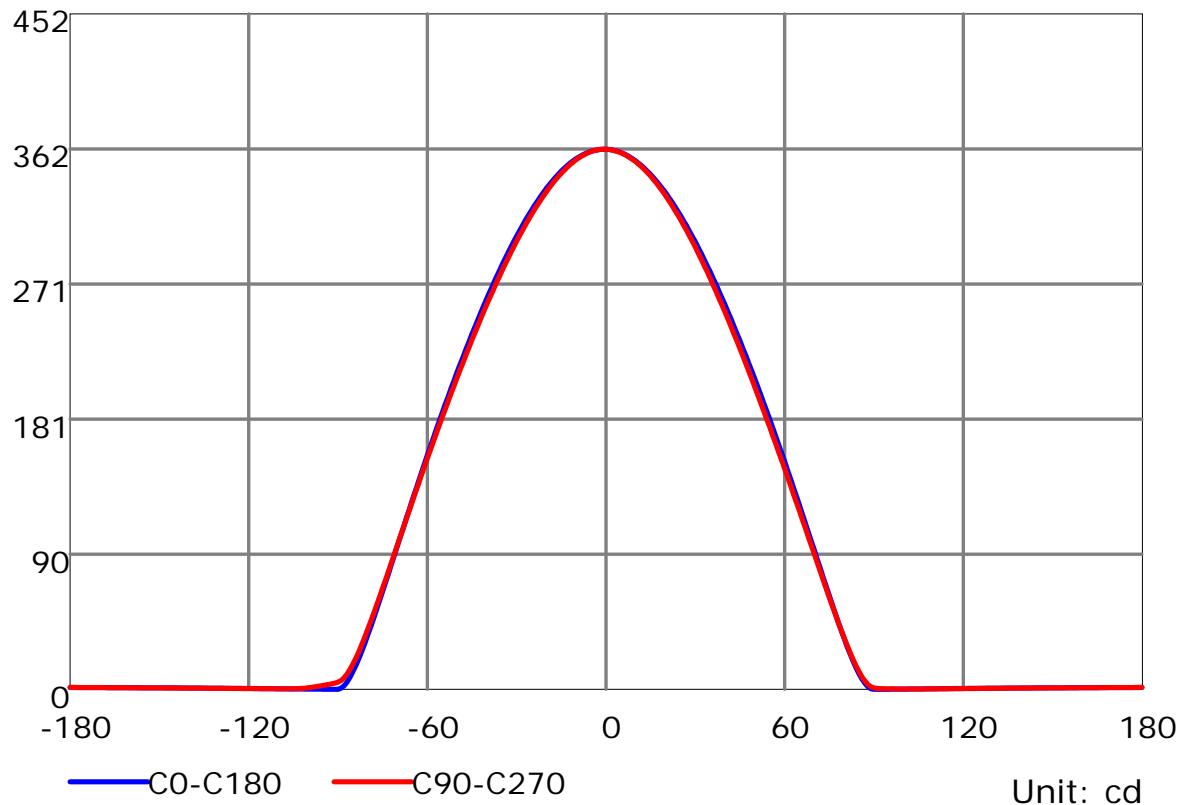
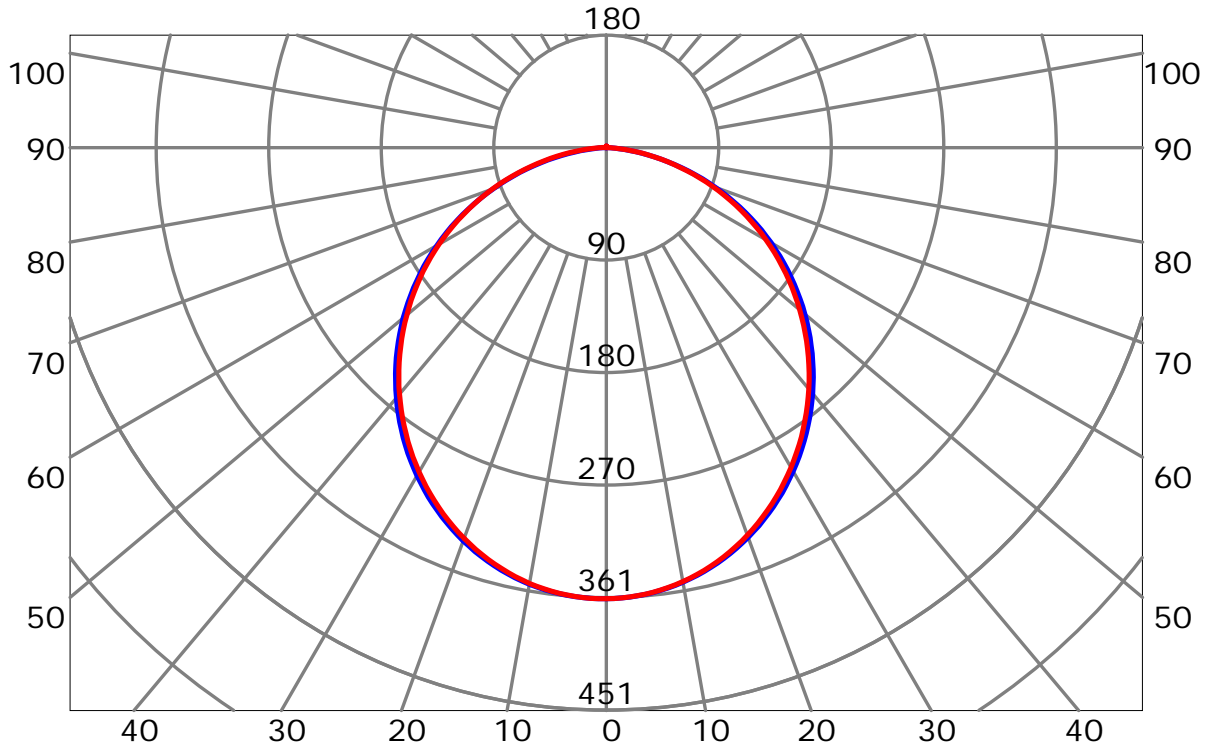


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve

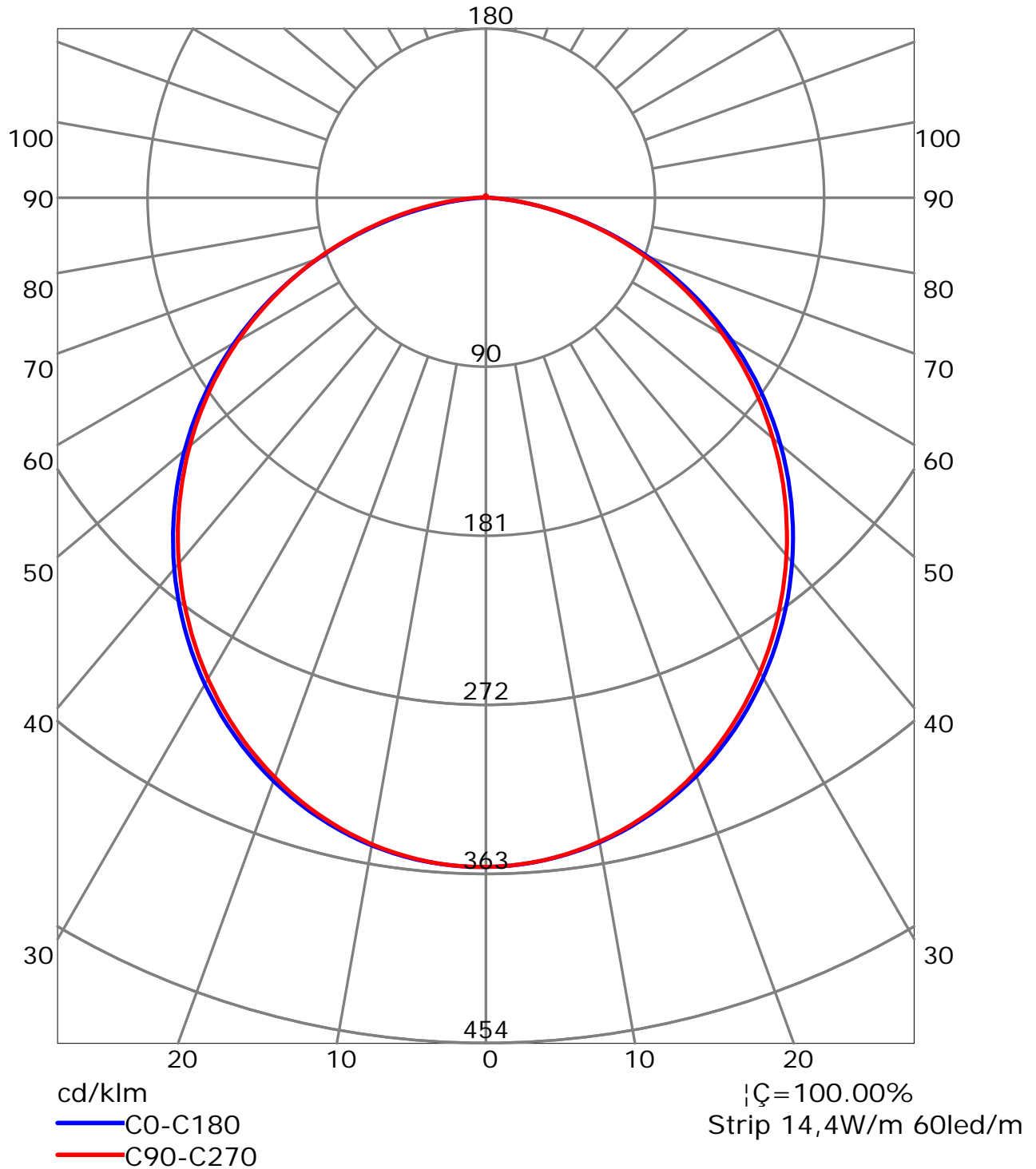


C Plane (°):0.0-360.0: 10.0  
Test Lab:  
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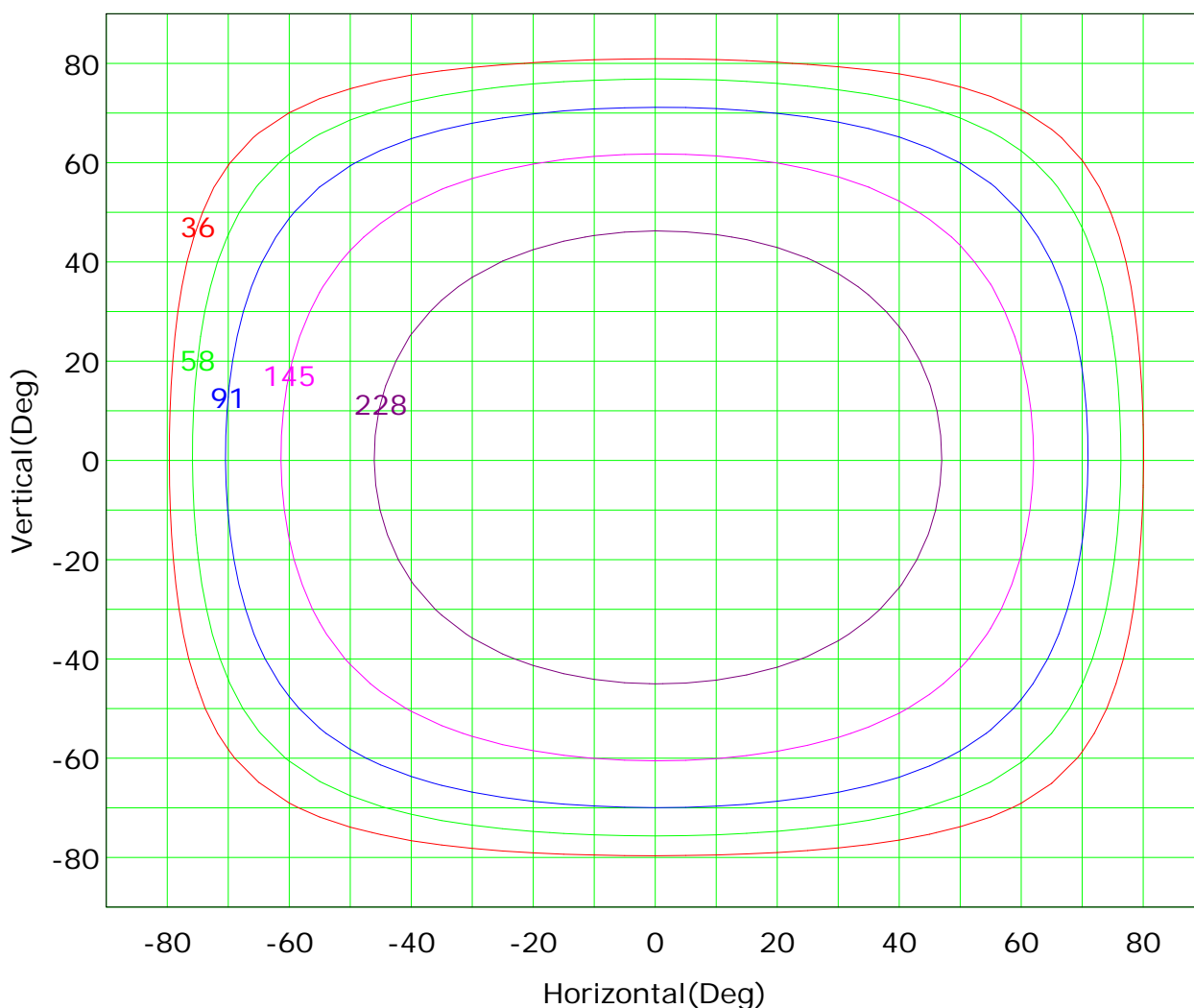
## Luminous Intensity Distribution Curve(cd/klm)



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

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

## Isocandela (rectangle)



Imax (100%): 362 cd

— ( 10%):	36 cd	— ( 16%):	58 cd
— ( 25%):	91 cd	— ( 40%):	145 cd
— ( 63%):	228 cd	— (100%):	362 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

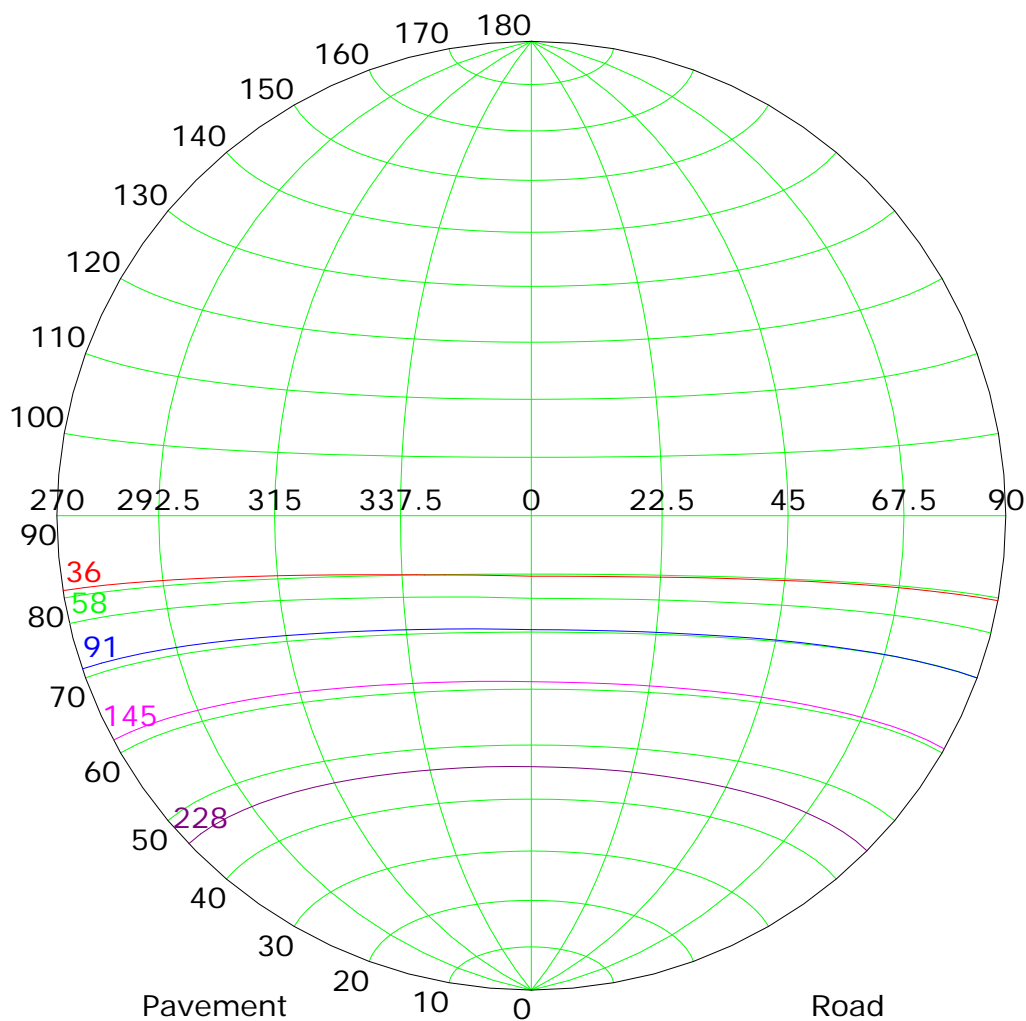
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 362 cd

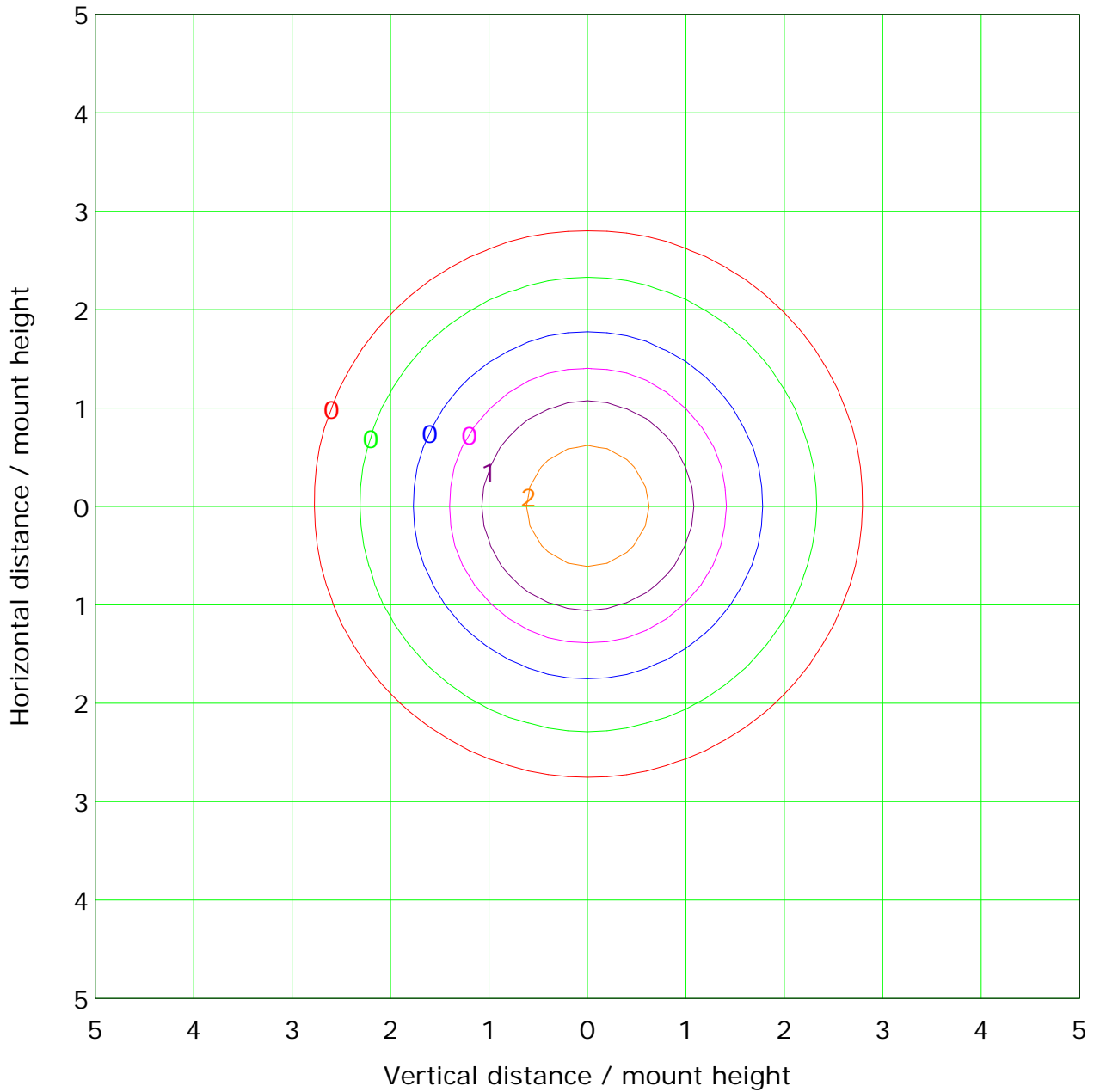
— ( 10%):	36 cd	— ( 16%):	58 cd
— ( 25%):	91 cd	— ( 40%):	145 cd
— ( 63%):	228 cd	— (100%):	362 cd

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:



## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 3.6 lx	
— ( 1%):	0.0 lx	— ( 2%):	0.1 lx
— ( 5%):	0.2 lx	— ( 10%):	0.4 lx
— ( 20%):	0.7 lx	— ( 50%):	1.8 lx
— (100%):	3.6 lx		

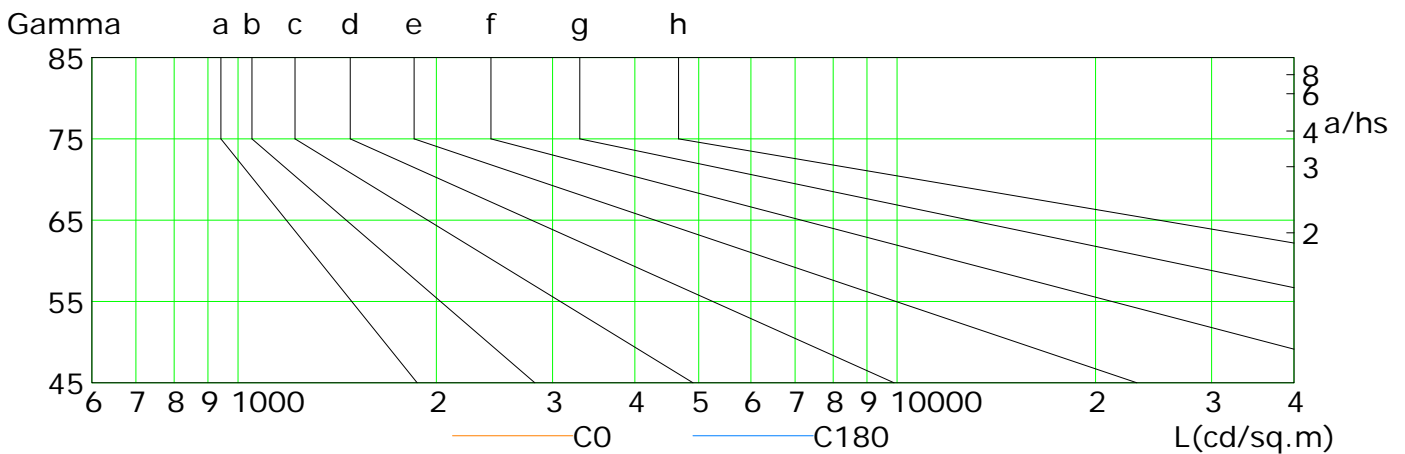
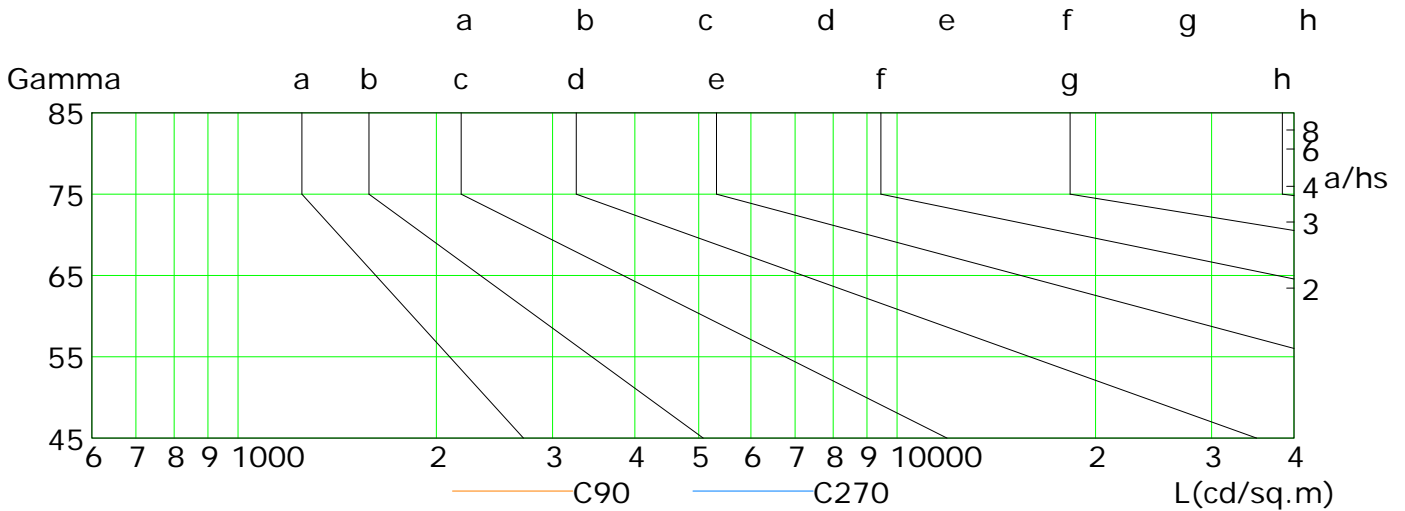
C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
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Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:



## 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



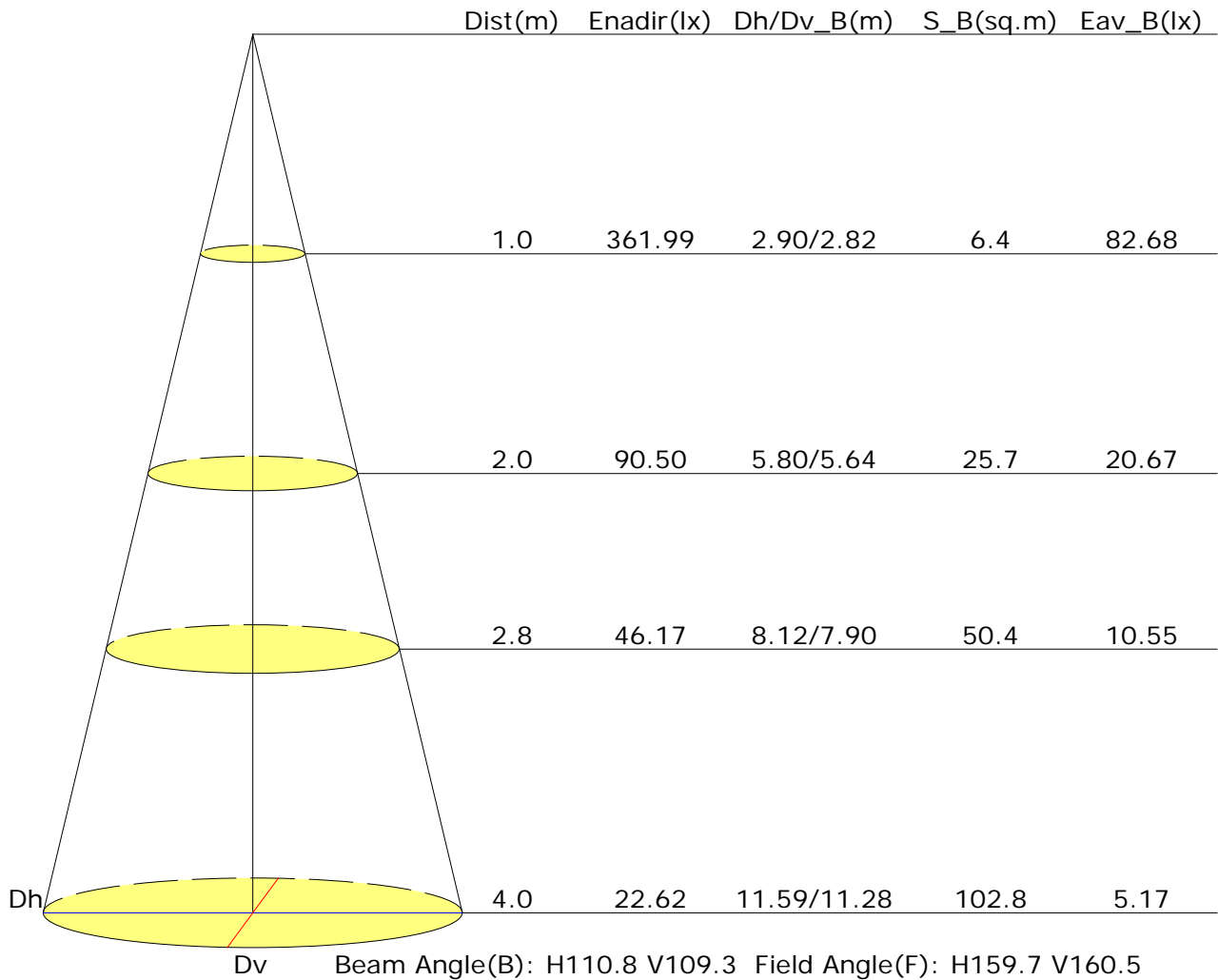
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	234	208	181	153	123	93	63	34	10
C90	228	203	176	148	120	90	62	34	12
C180	238	213	185	157	127	97	66	37	12
C270	234	209	183	155	126	97	68	40	17

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



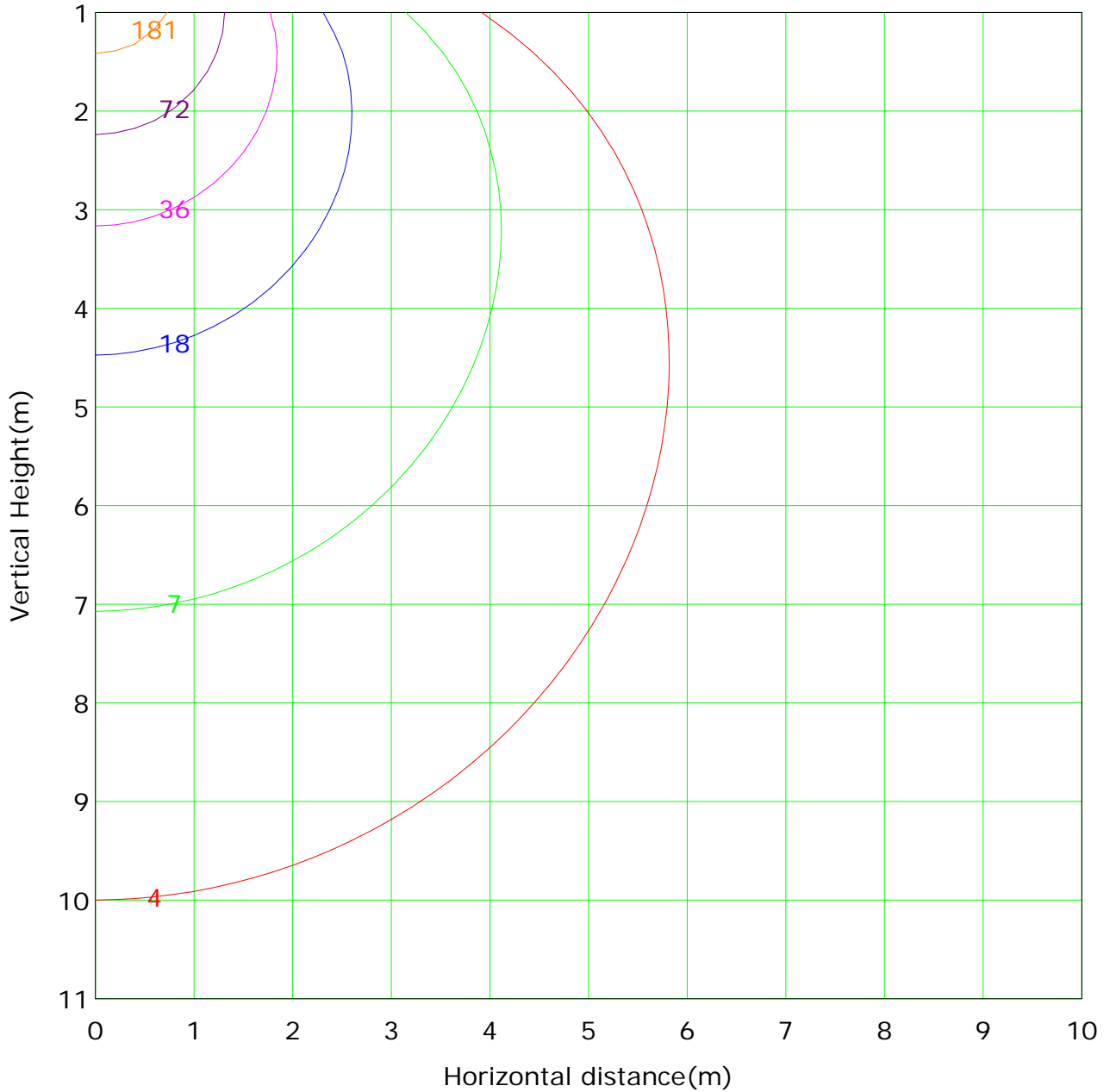
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 362.0 lx
— ( 1%): 3.6 lx	— ( 2%): 7.2 lx	— ( 10%): 36.2 lx
— ( 5%): 18.1 lx	— ( 20%): 72.4 lx	— ( 50%): 181.0 lx
— (100%): 362.0 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-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector: