



Report No.:

Test Time: 01/08/2019 12:24

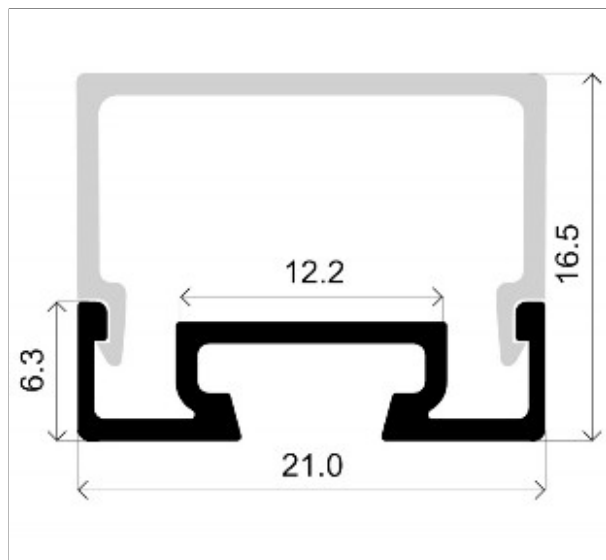
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-SL11-01 + LLD-01-CM  
 Lamp Description: Strip 14,4W/m 60led/m      Number of Lamps: 1  
 Lumens per Lamp: 1273 lm                              Voltage: 24.0 V  
 Current: 0.608 A    Power: 14.58 W  
 Power Factor: 1.000

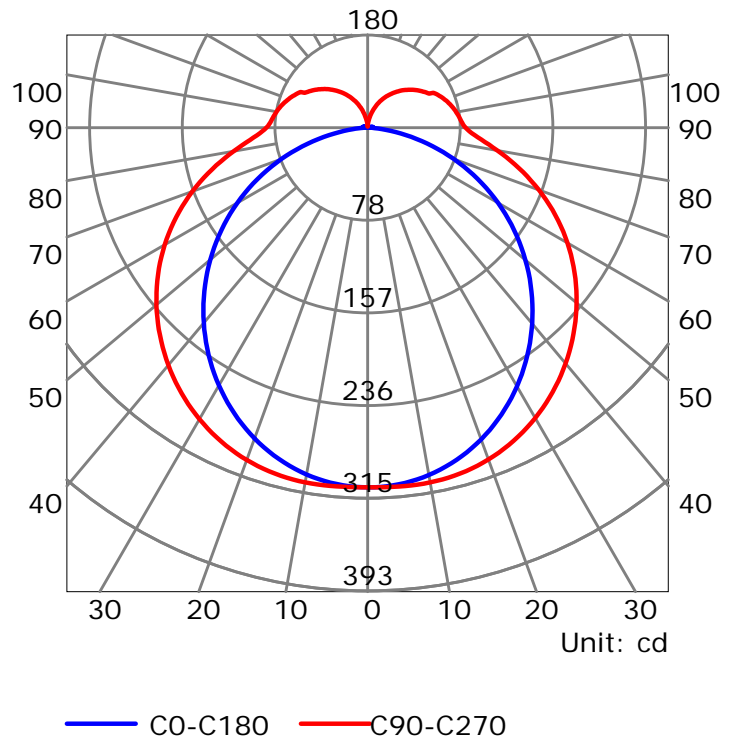
## Photometric Results

CIE Class: Semi-Direct	Total Rated Lamp Lumens: 1273.0 lm
Measurement Flux: 1273.4 lm	Efficiency: 100.03%
Downward Ratio: 83.89%	Upward Ratio: 16.15%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.2, 299.2, 263.1, 261.9	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.6, 141.7, 128.9, 128.9	
Luminaire Efficacy Rating (LER): 87.39	Central Intensity: 305.83 cd
Max. Intensity: 306.4 cd	Pos of Max. Intensity: H90 V7
S/MH(C0/C180): 1.23	S/MH(C90/C270): 1.39

Picture Of Luminaire



Luminous Intensity Distribution Curve

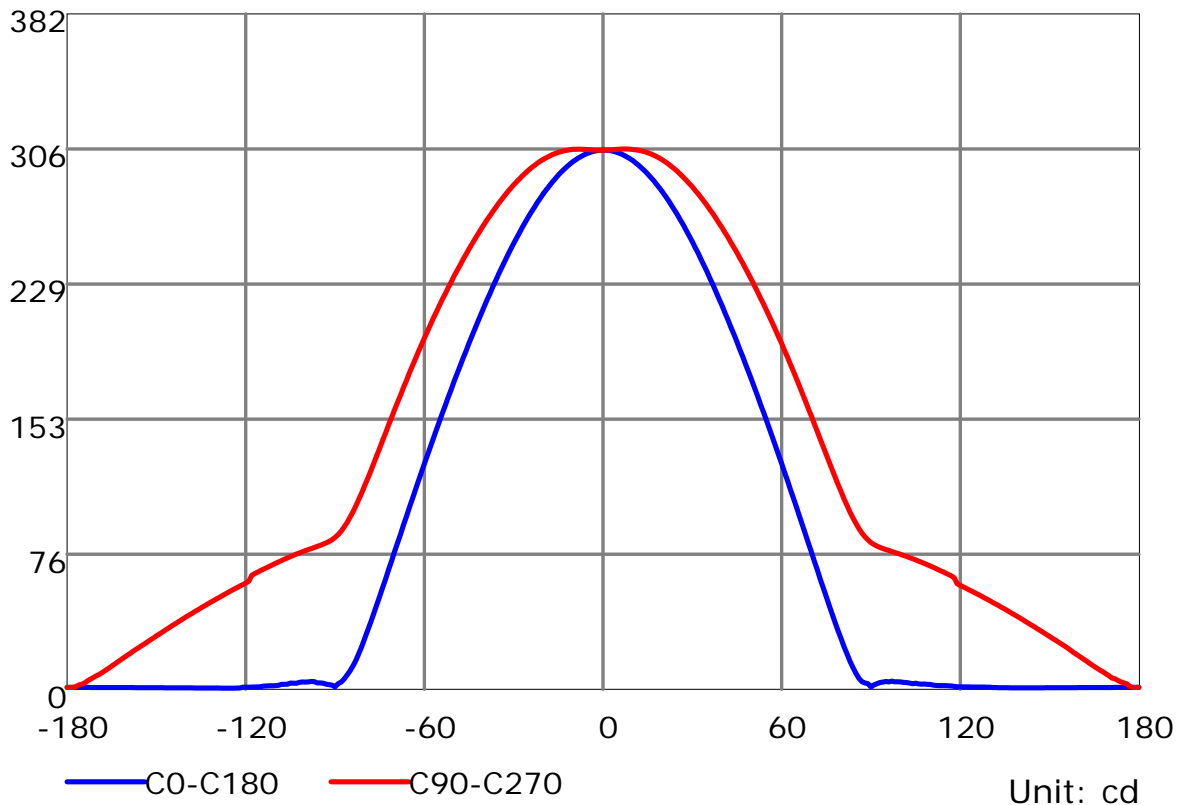
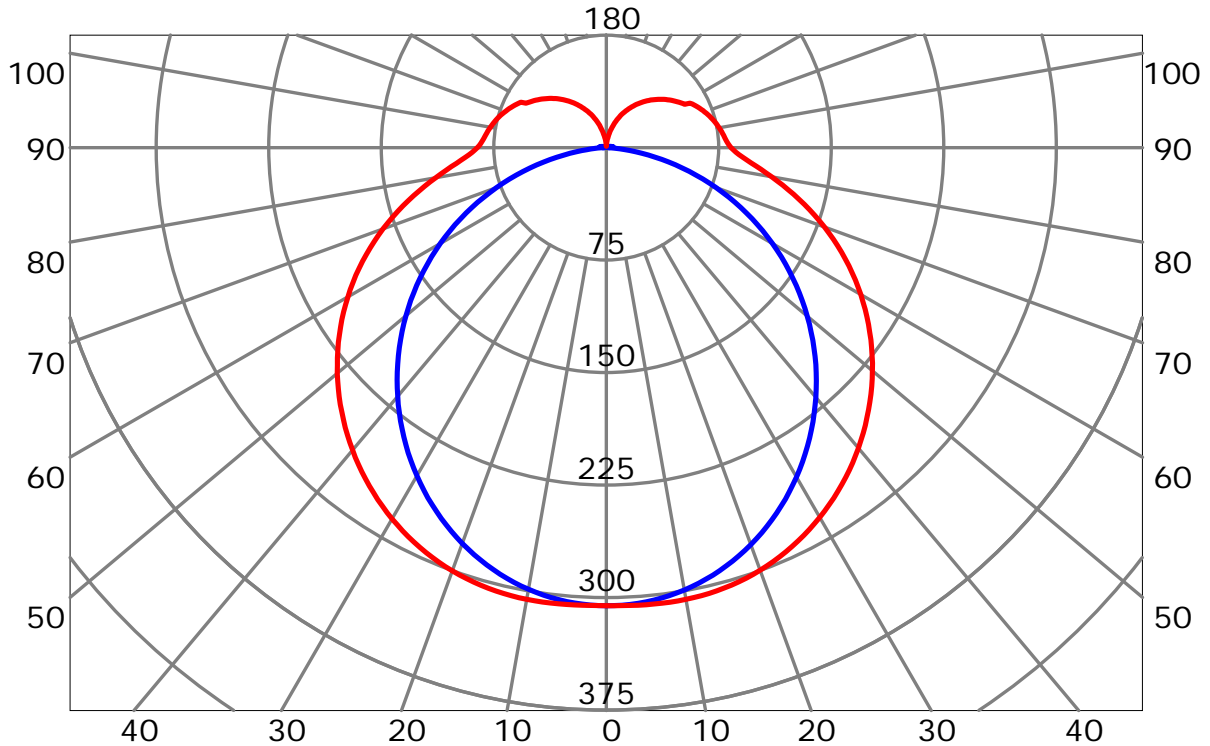


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve

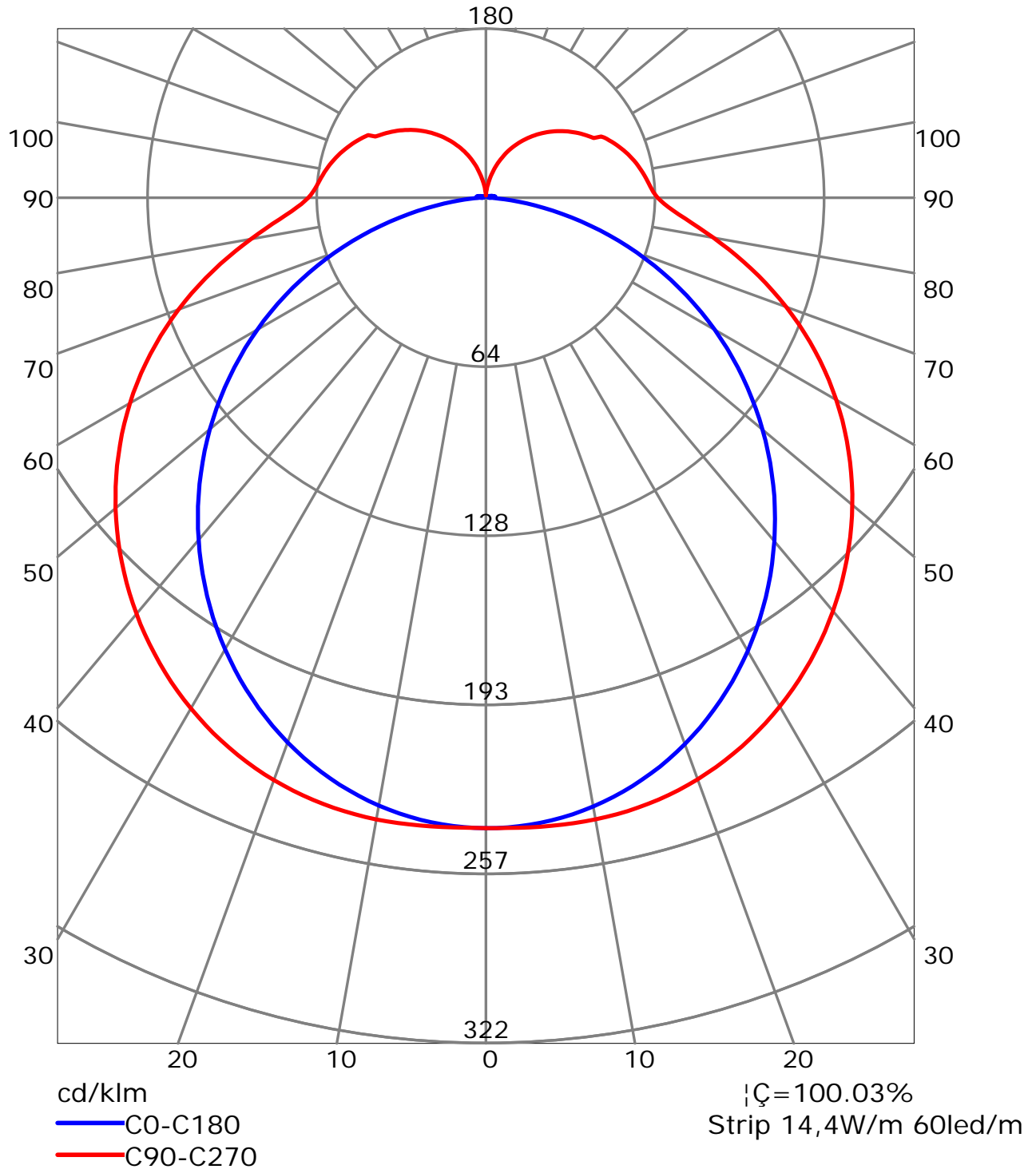


C Plane (°):0.0-360.0: 10.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



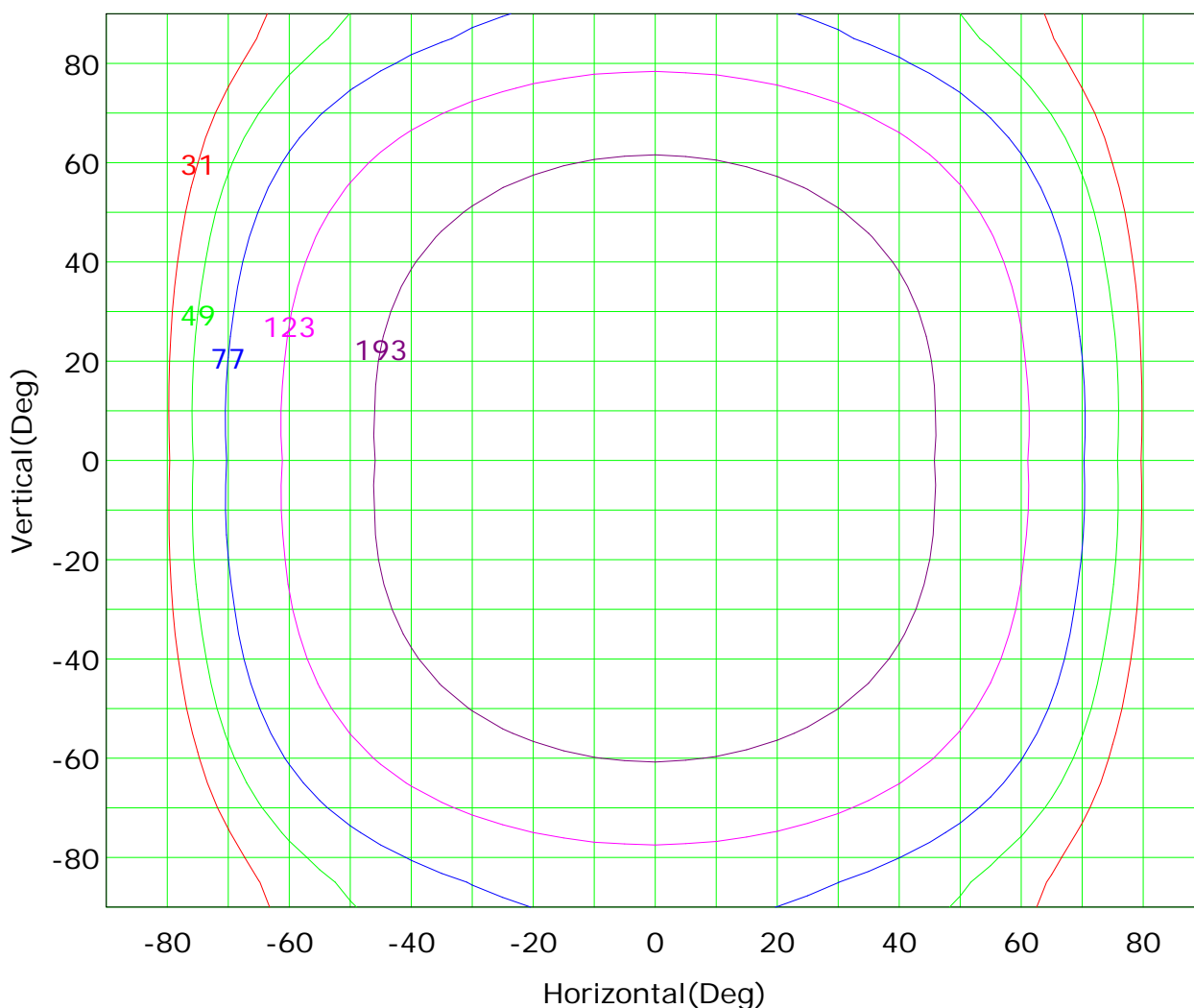
## Luminous Intensity Distribution Curve(cd/klm)



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)



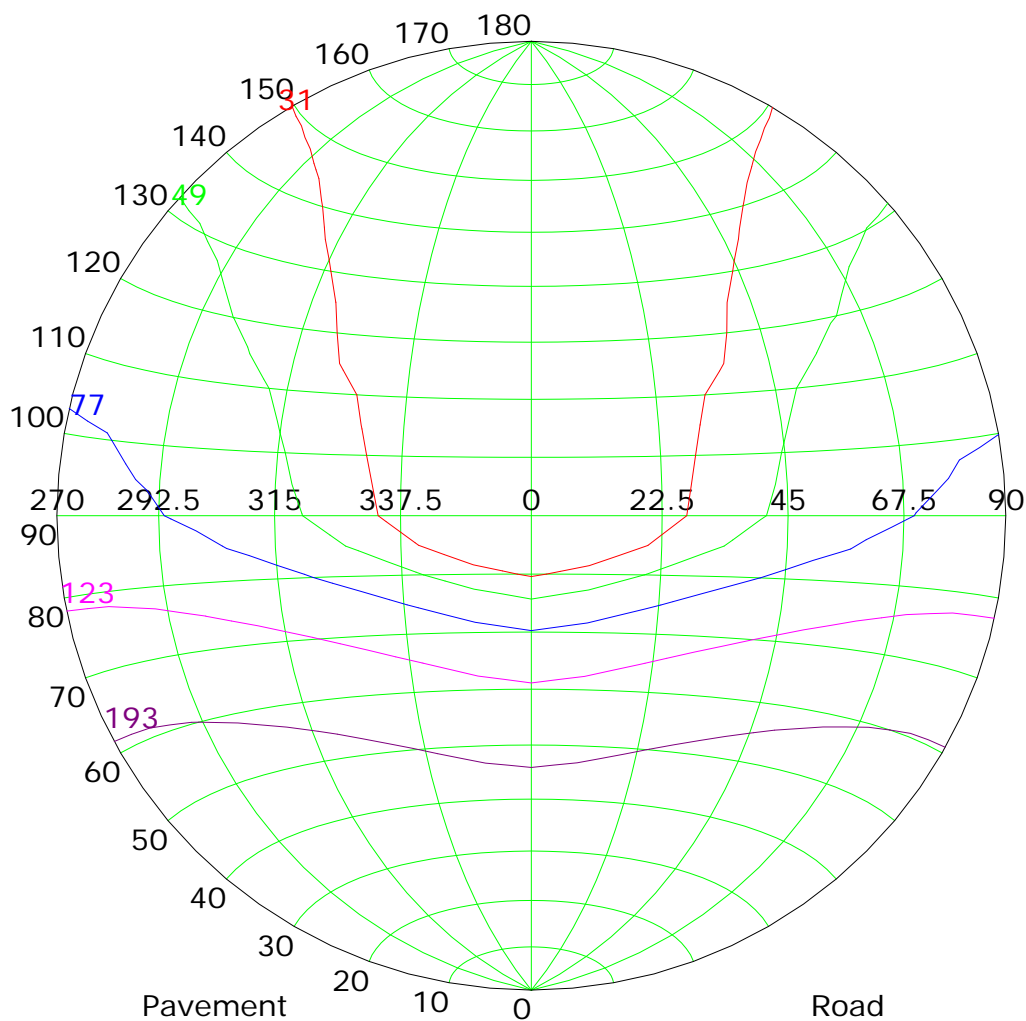
Imax (100%): 306 cd

— ( 10%):	31 cd	— ( 16%):	49 cd
— ( 25%):	77 cd	— ( 40%):	123 cd
— ( 63%):	193 cd	— (100%):	306 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%): 306 cd

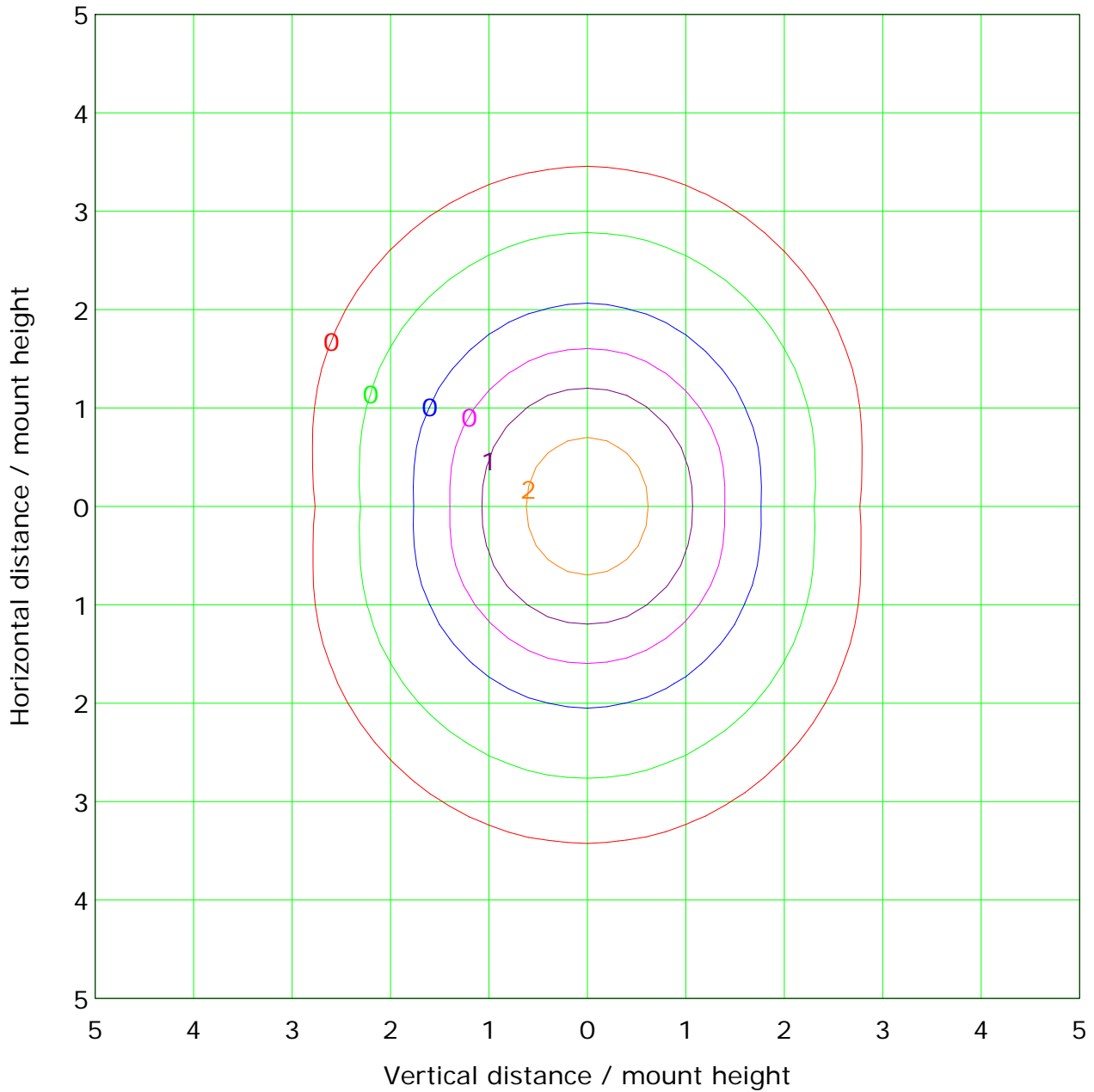
— ( 10%):	31 cd	— ( 16%):	49 cd
— ( 25%):	77 cd	— ( 40%):	123 cd
— ( 63%):	193 cd	— (100%):	306 cd

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%): 3.1 lx	
— ( 1%):	0.0 lx	— ( 2%):	0.1 lx
— ( 5%):	0.2 lx	— (10%):	0.3 lx
— (20%):	0.6 lx	— (50%):	1.5 lx
— (100%):	3.1 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:



## 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	197	175	152	128	103	78	52	29	9
C90	248	232	215	196	176	155	133	112	94
C180	196	175	152	128	103	78	53	29	10
C270	250	234	217	199	180	159	137	116	98

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

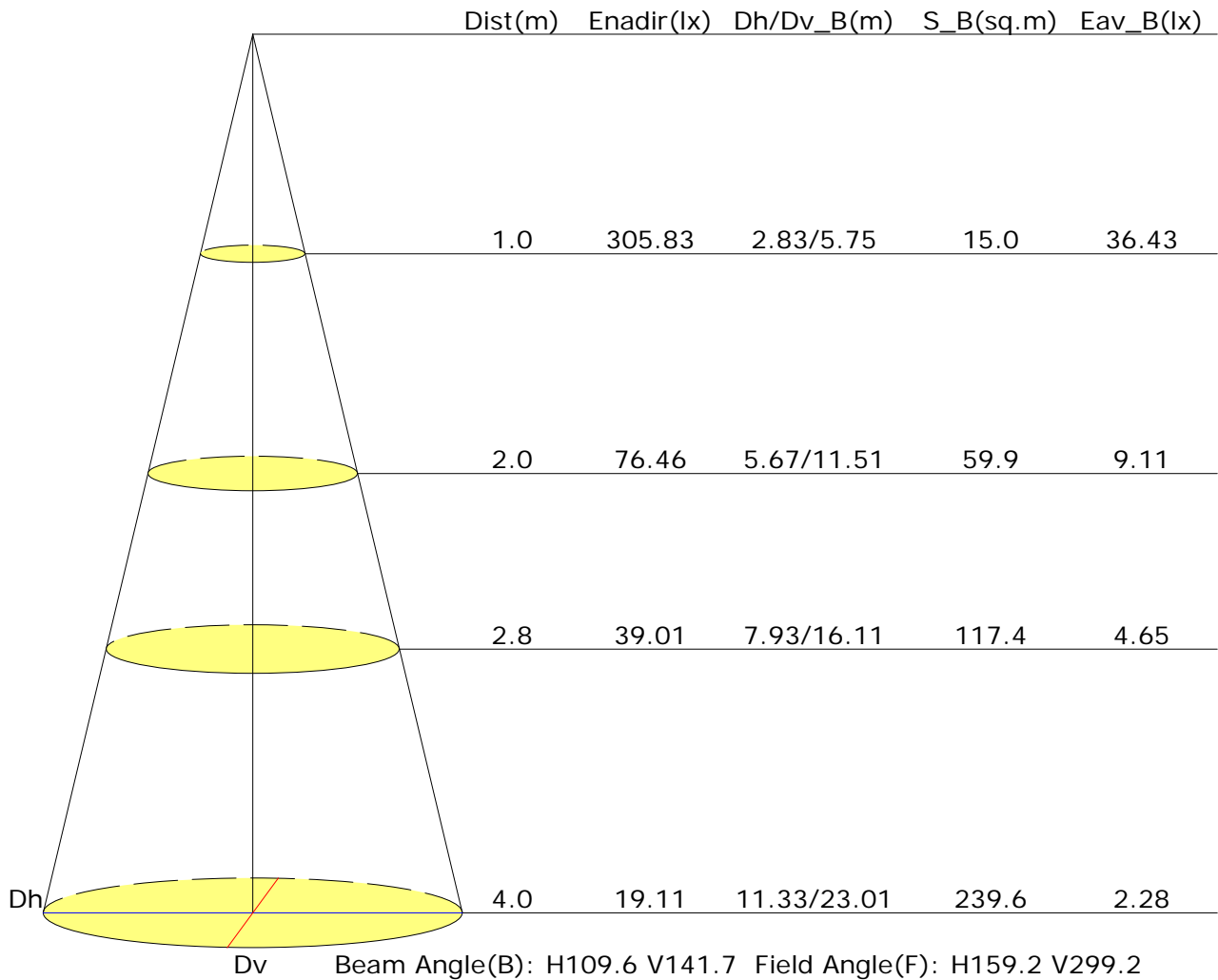
Distance: 7.970 m

Humidity:

Inspector:



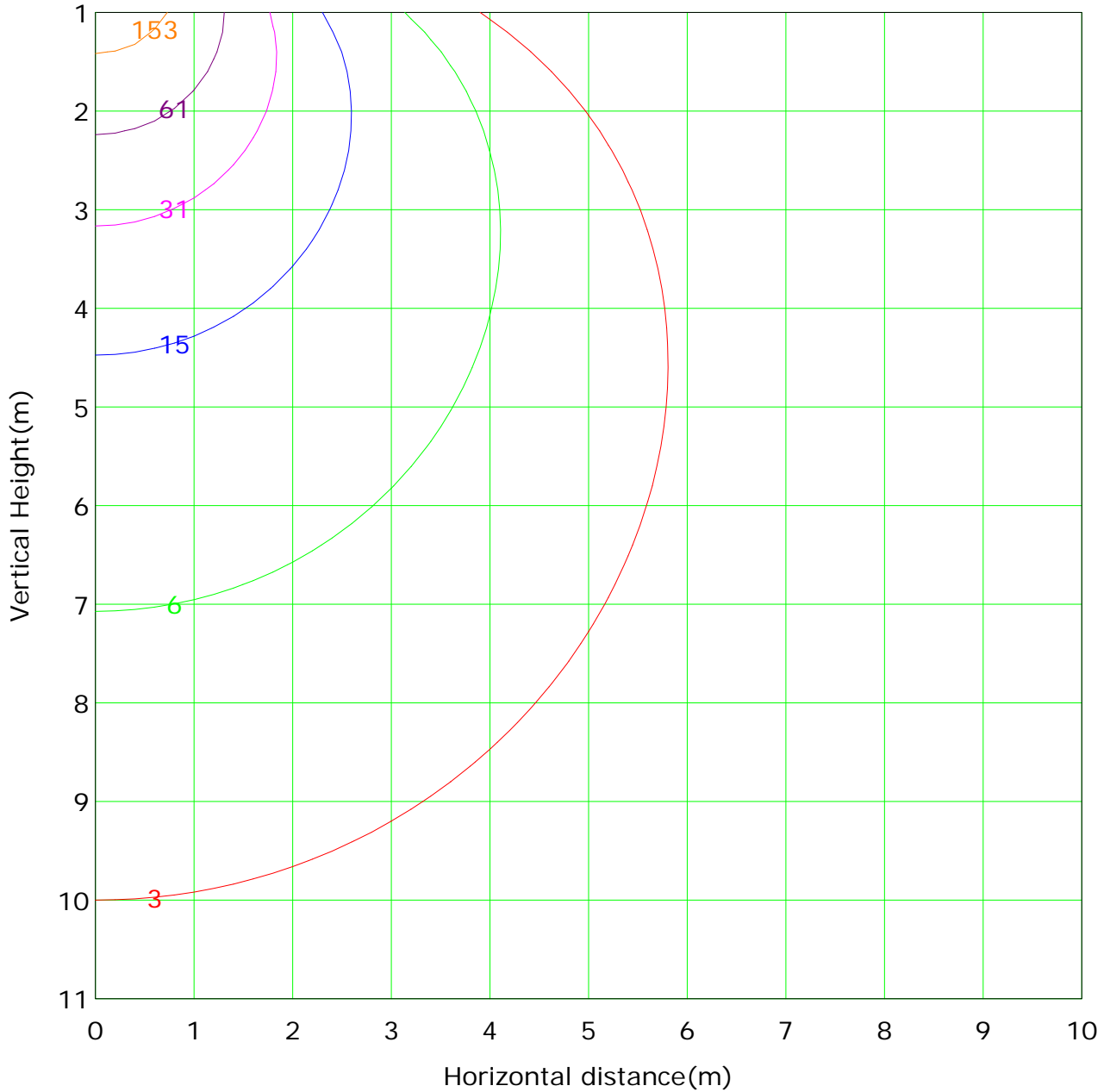
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 305.8 lx
— ( 1%): 3.1 lx	— ( 2%): 6.1 lx	
— ( 5%): 15.3 lx	— ( 10%): 30.6 lx	
— ( 20%): 61.2 lx	— ( 50%): 152.9 lx	
— (100%): 305.8 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: