



Report No.:

Test Time: 26/09/2019 16:54

## Luminaire Property

Luminaire Manufacturer: Lighting Line

Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1

Lumens per Lamp: 405

Voltage: 24.0 V

Current: 0.241 A

Power: 5.77 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 405.0 lm

Measurement Flux: 404.9 lm

Efficiency: 99.98%

Downward Ratio: 99.30%

Upward Ratio: 0.69%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.5, 160.5, 160.1, 160.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.8, 110.6, 110.7, 110.7

Luminaire Efficacy Rating (LER): 70.23

Central Intensity: 144.21 cd

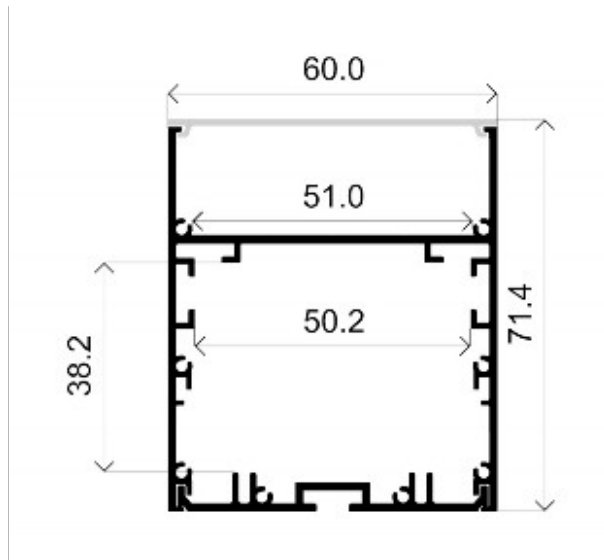
Max. Intensity: 144.37 cd

Pos of Max. Intensity: H160 V1

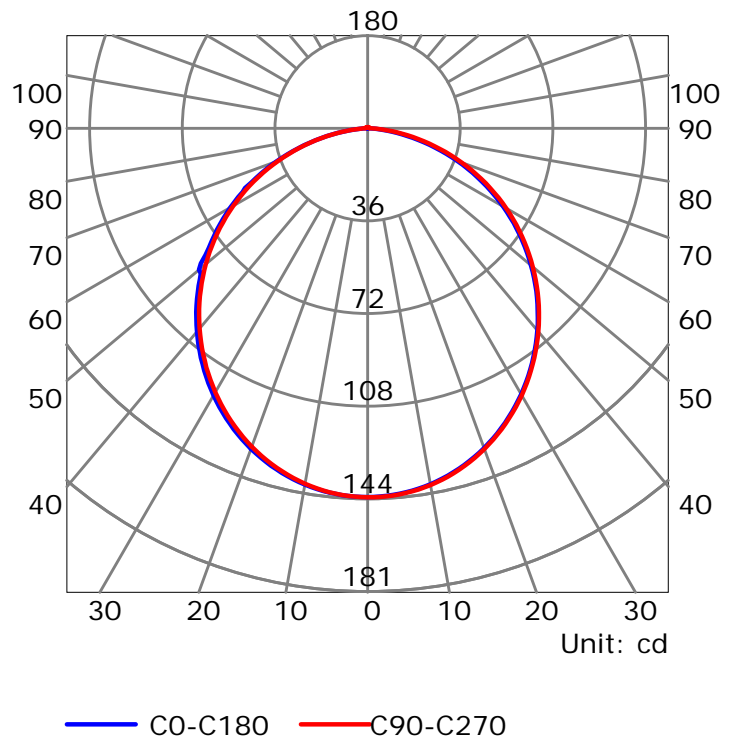
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab:

Test Device: GPM-2000

Test Type: TYPE C

Distance: 7.970 m

Temperature:

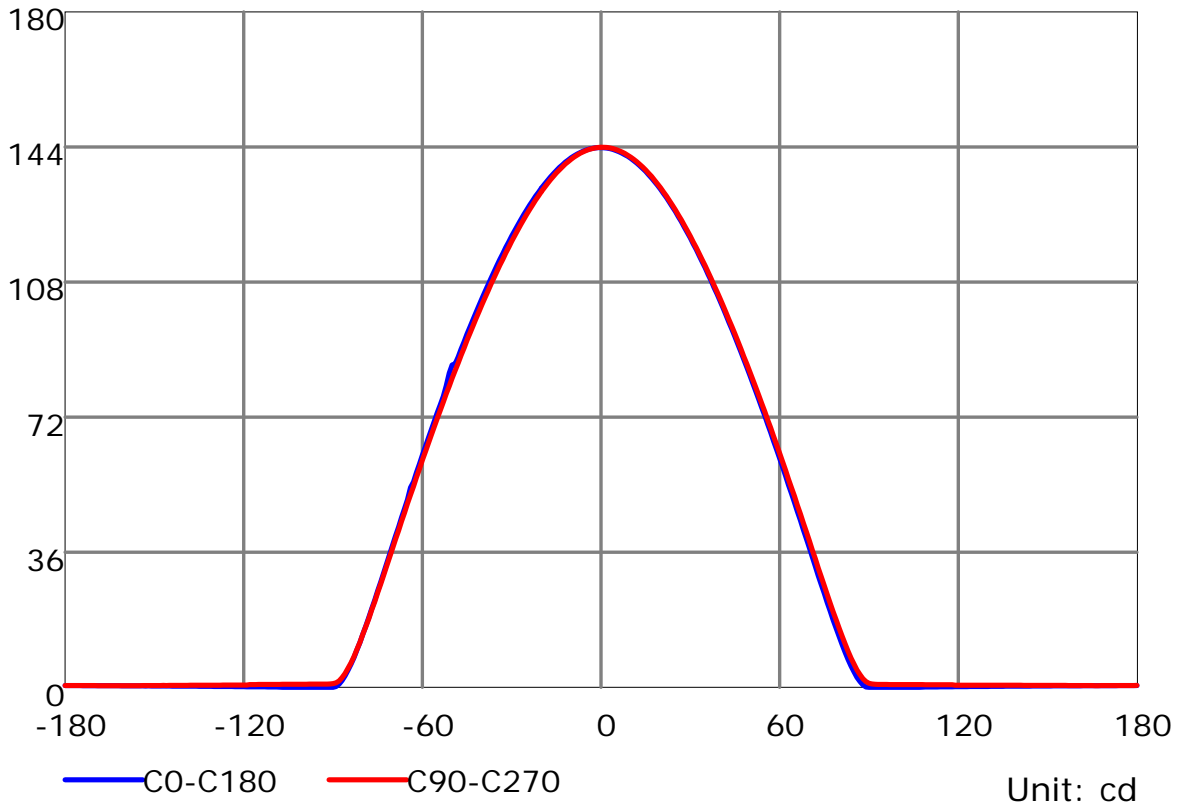
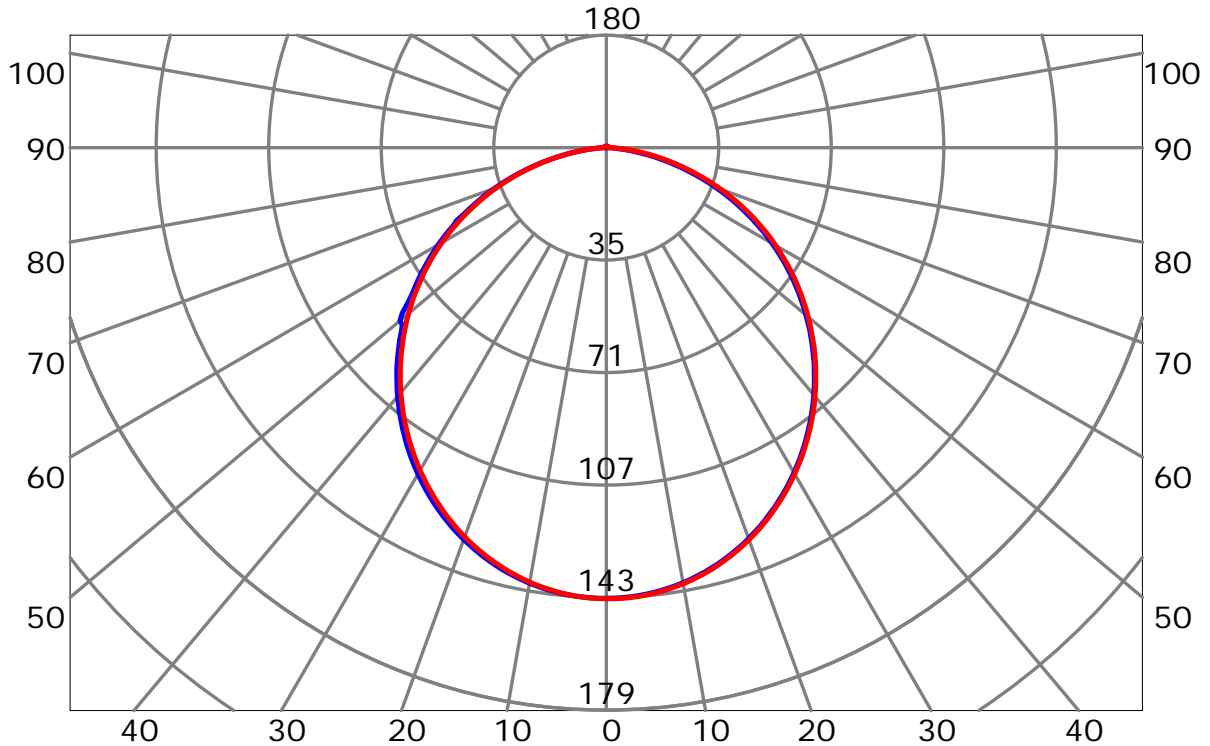
Humidity:

Operator:

Inspector:



## Luminous Intensity Distribution Curve

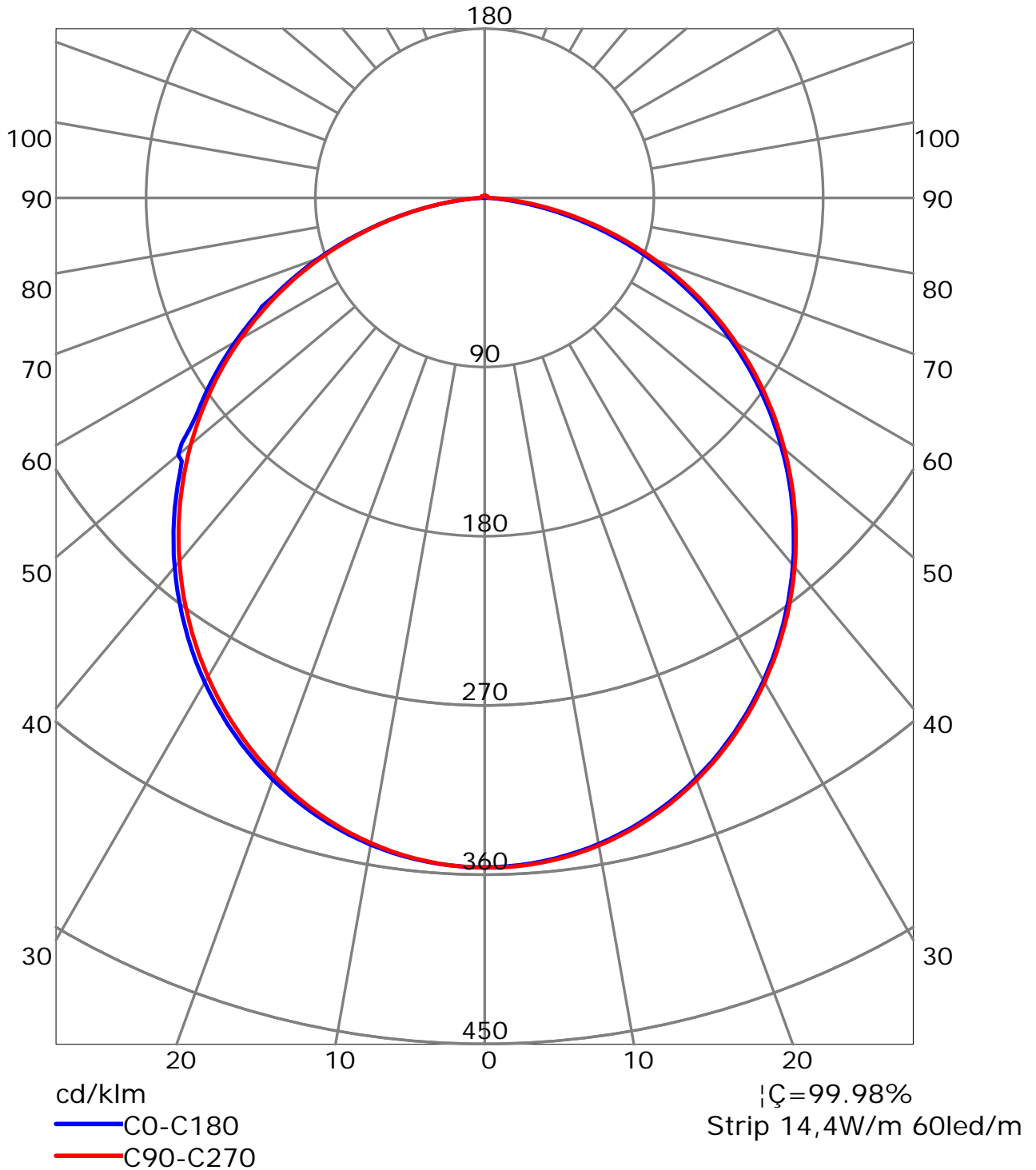


C Plane (°):0.0-360.0: 10.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



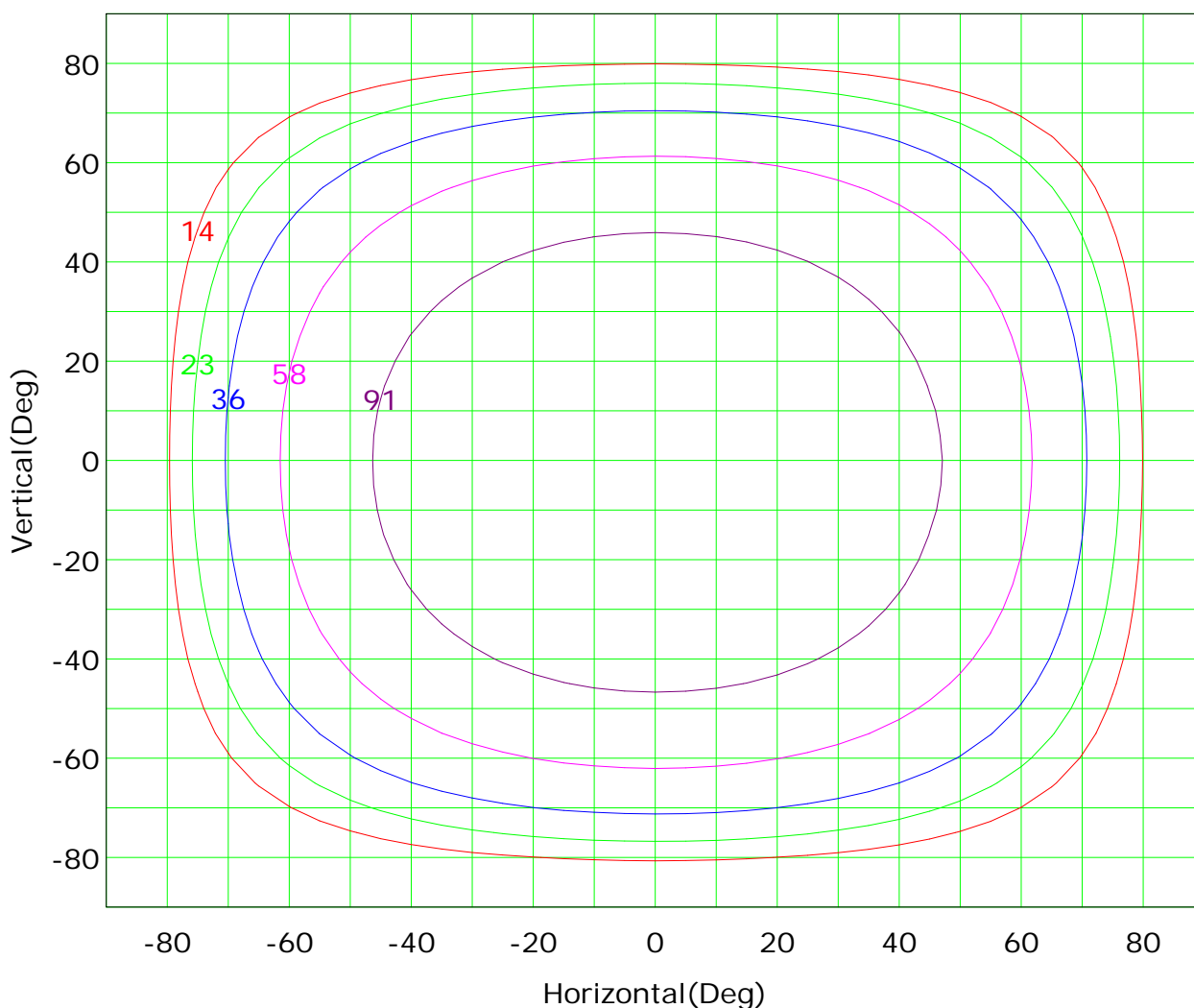
## Luminous Intensity Distribution Curve(cd/klm)



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)



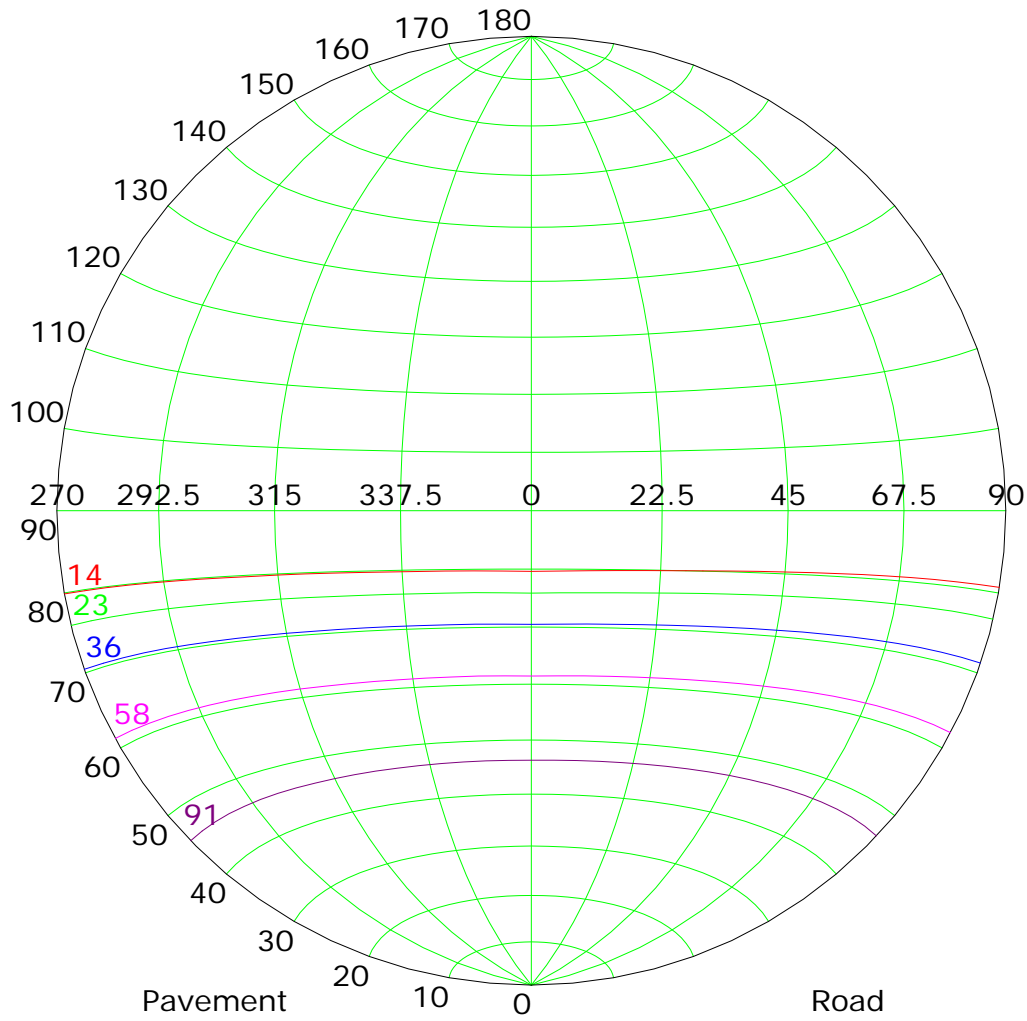
Imax (100%): 144 cd

— ( 10%):	14 cd	— ( 16%):	23 cd
— ( 25%):	36 cd	— ( 40%):	58 cd
— ( 63%):	91 cd	— (100%):	144 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%): 144 cd

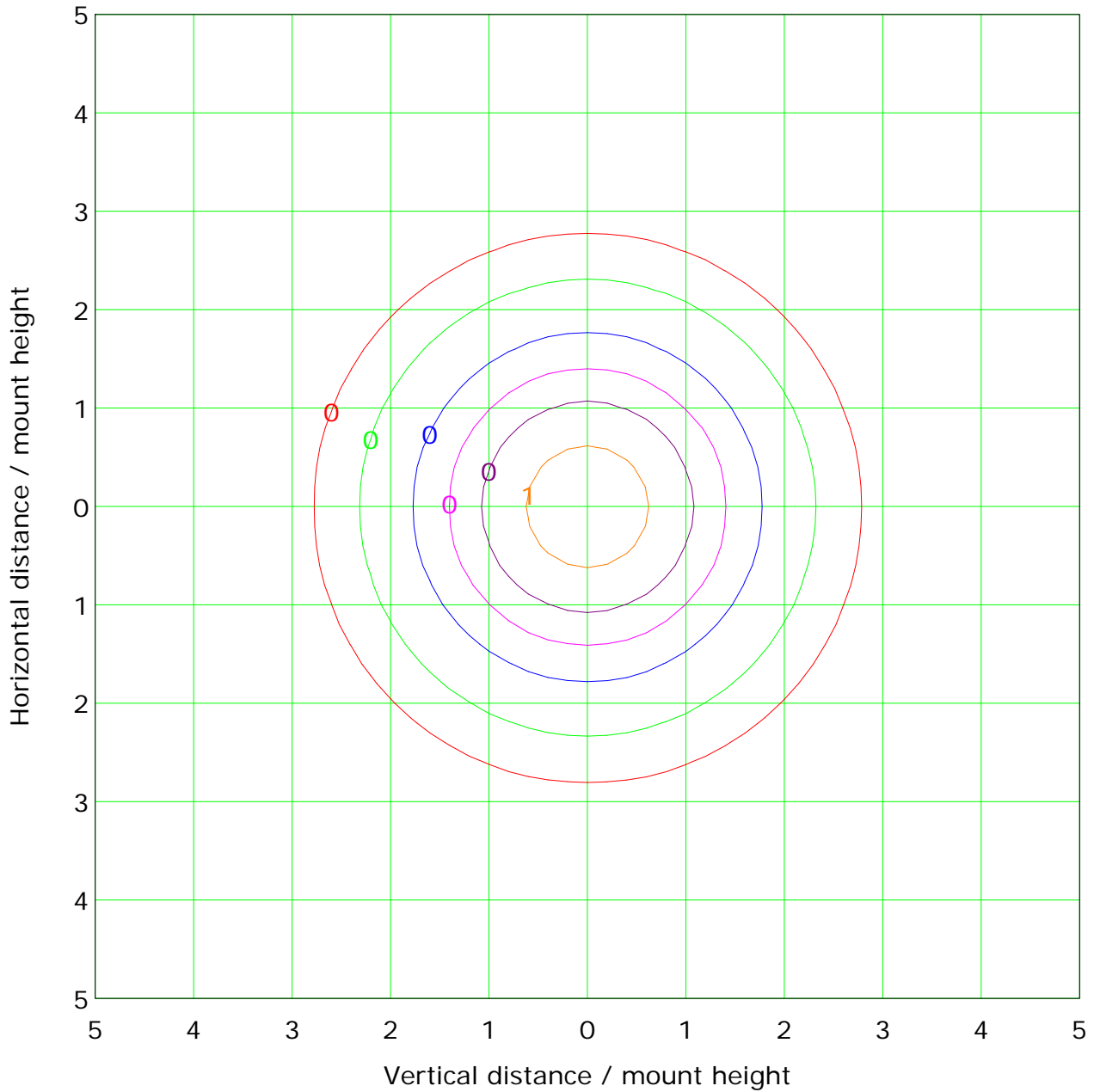
— ( 10%):	14 cd	— ( 16%):	23 cd
— ( 25%):	36 cd	— ( 40%):	58 cd
— ( 63%):	91 cd	— (100%):	144 cd

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%): 1.4 lx	
— ( 1%):	0.0 lx	— ( 2%):	0.0 lx
— ( 5%):	0.1 lx	— (10%):	0.1 lx
— (20%):	0.3 lx	— (50%):	0.7 lx
— (100%):	1.4 lx		

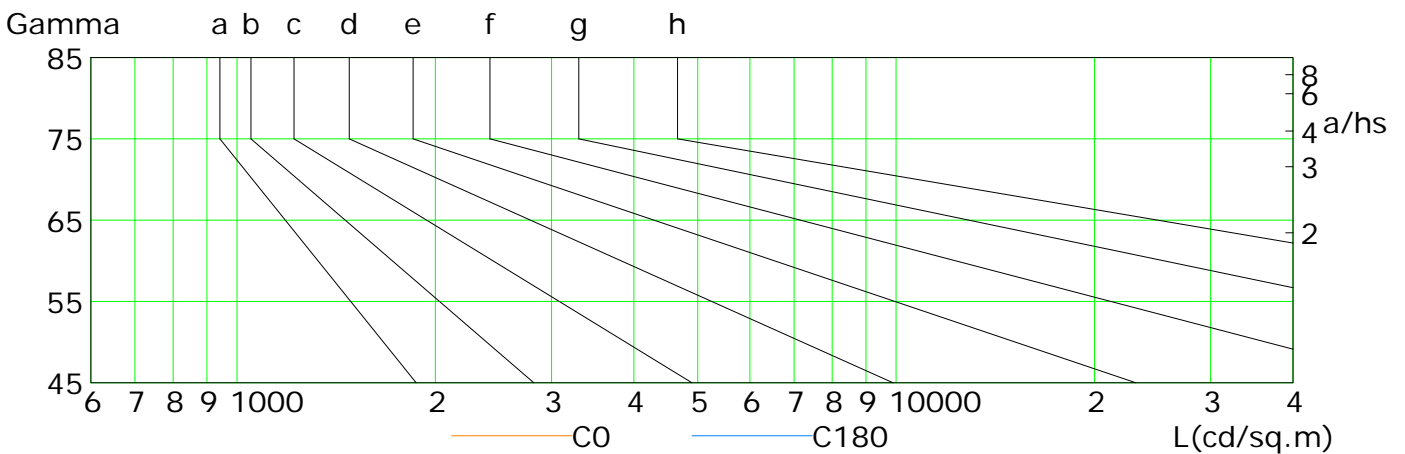
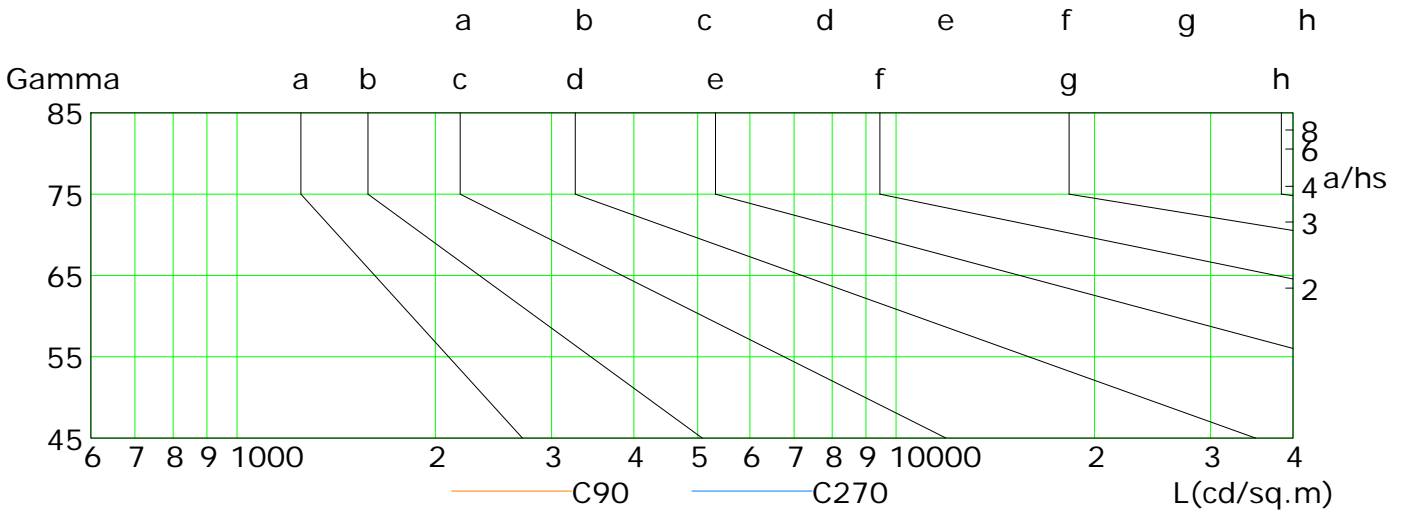
C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	94	83	73	61	49	37	25	14	4
C90	94	84	74	63	51	39	27	16	6
C180	94	86	73	62	50	38	26	14	5
C270	93	83	72	61	49	37	25	14	5

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

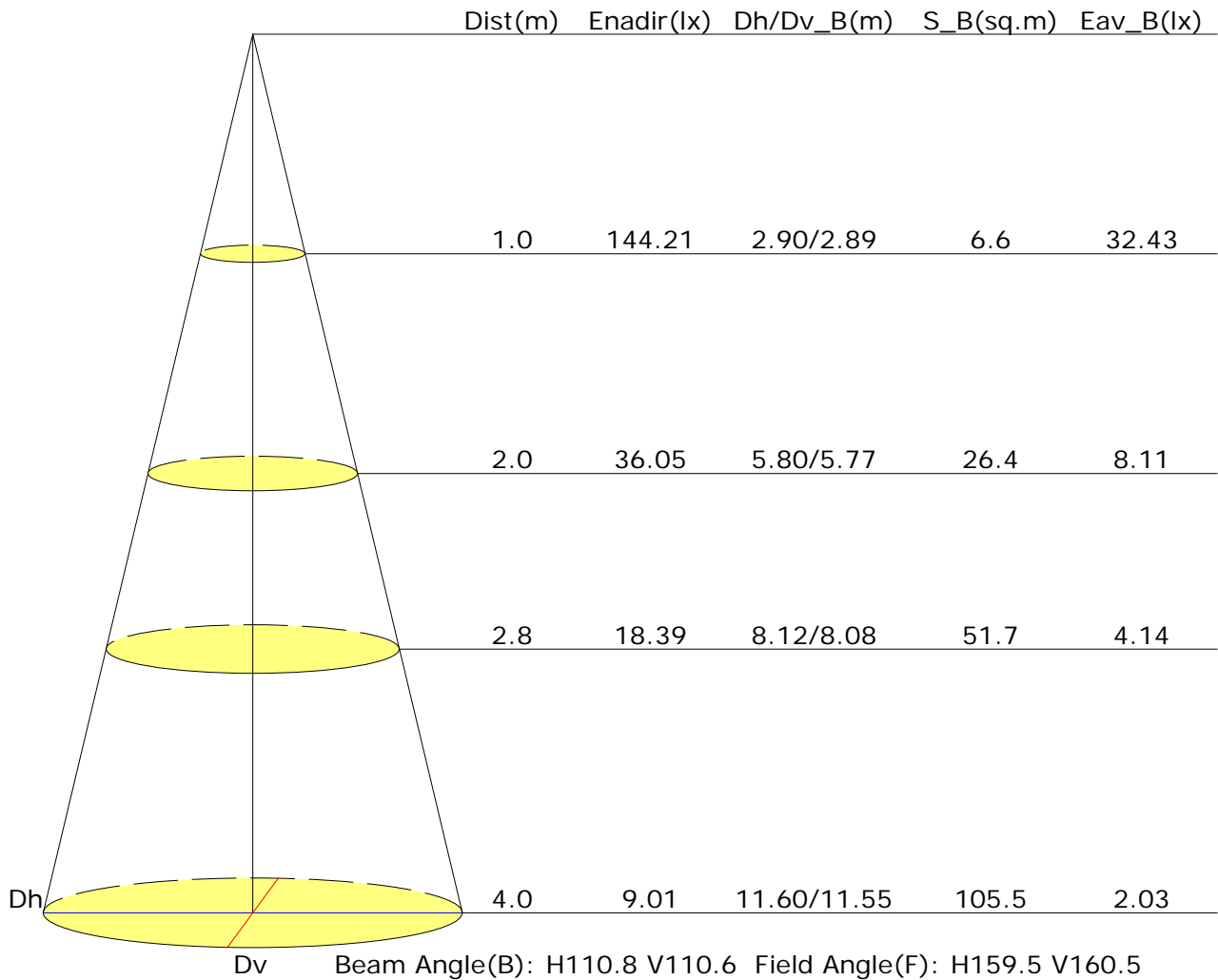
Distance: 7.970 m

Humidity:

Inspector:



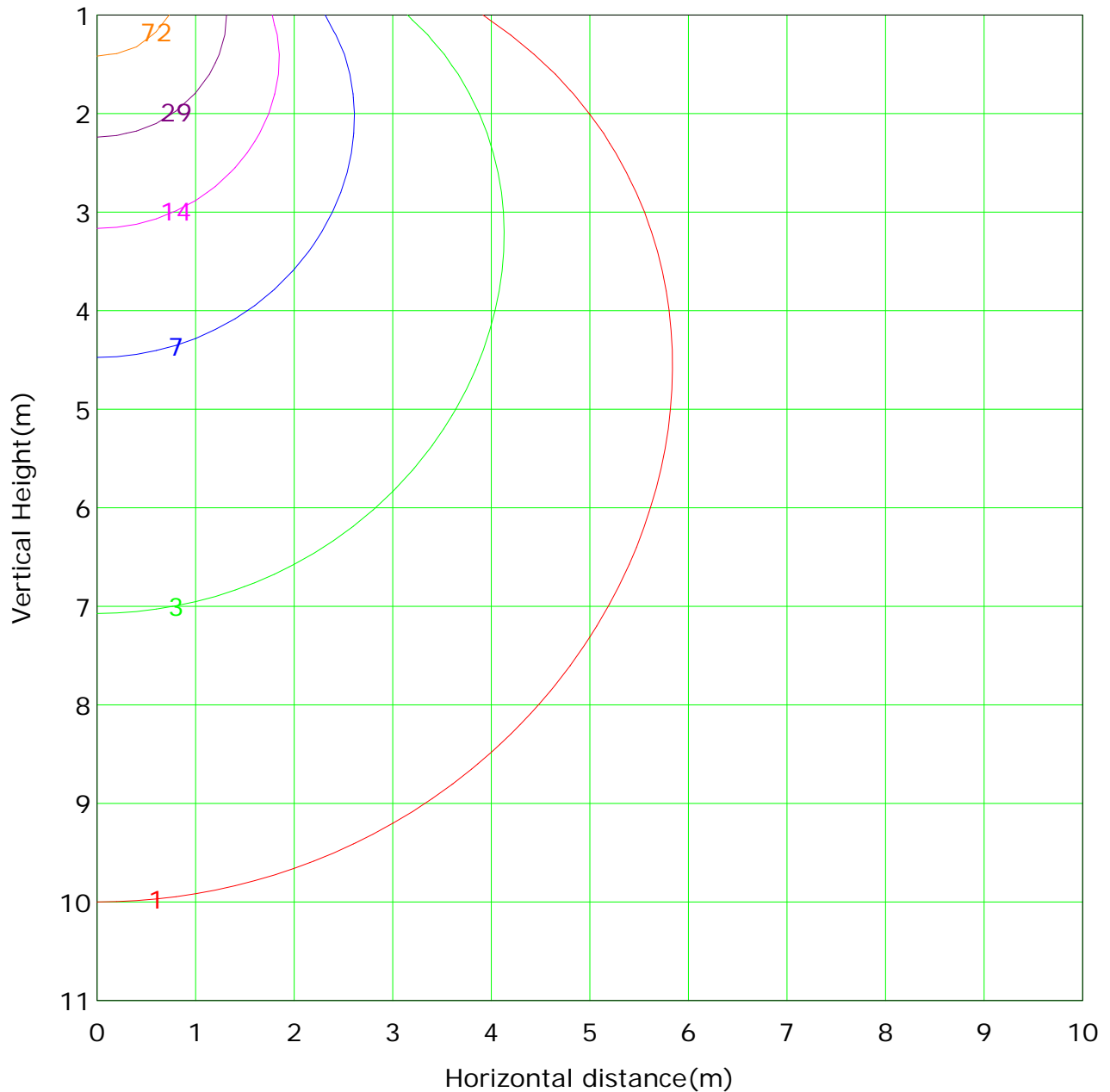
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 144.2 lx
( 1%): 1.4 lx	( 2%): 2.9 lx	
( 5%): 7.2 lx	( 10%): 14.4 lx	
( 20%): 28.8 lx	( 50%): 72.1 lx	
(100%): 144.2 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-2000  
Distance: 7.970 m  
Humidity:  
Inspector: