



Report No.:

Test Time: 21/09/2022 11:43

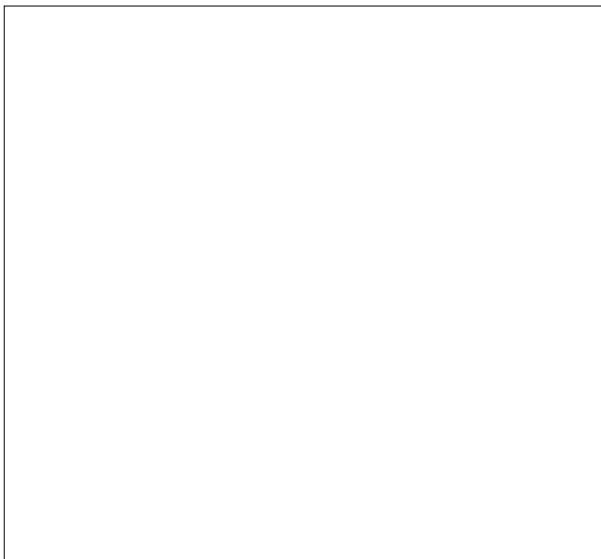
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-FL01-21 + LLD-21-FM  
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1  
 Lumens per Lamp: 1579 lm Voltage: 24.0 V  
 Current: 0.594 A Power: 14.24 W  
 Power Factor: 1.000

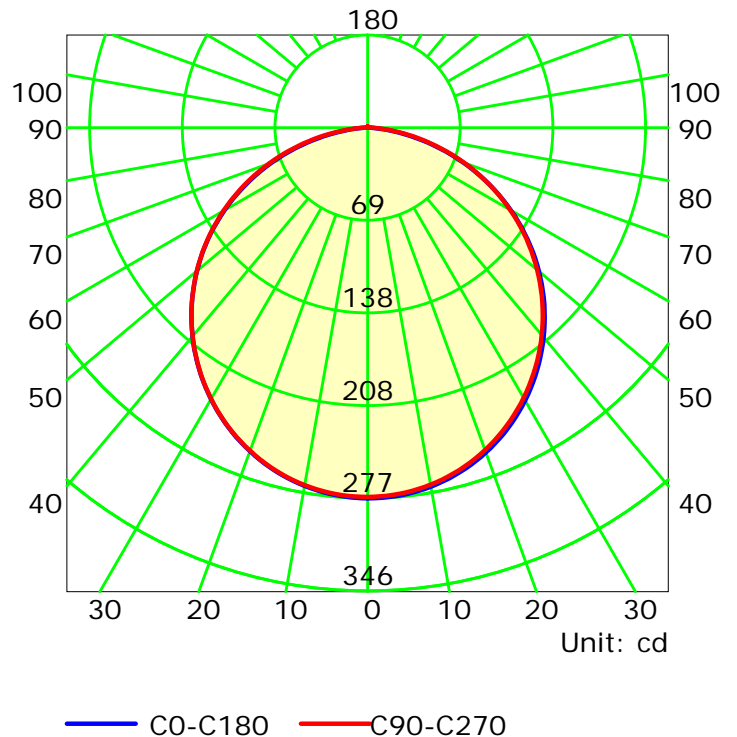
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 800.4 lm	Efficiency: 50.69%
Downward Ratio: 50.41%	Upward Ratio: 0.28%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 161.8, 161.3, 161.2	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.4, 113.5, 113.6, 113.5	
Luminaire Efficacy Rating (LER): 56.26	Central Intensity: 277.46 cd
Max. Intensity: 277.46 cd	Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.26	S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve

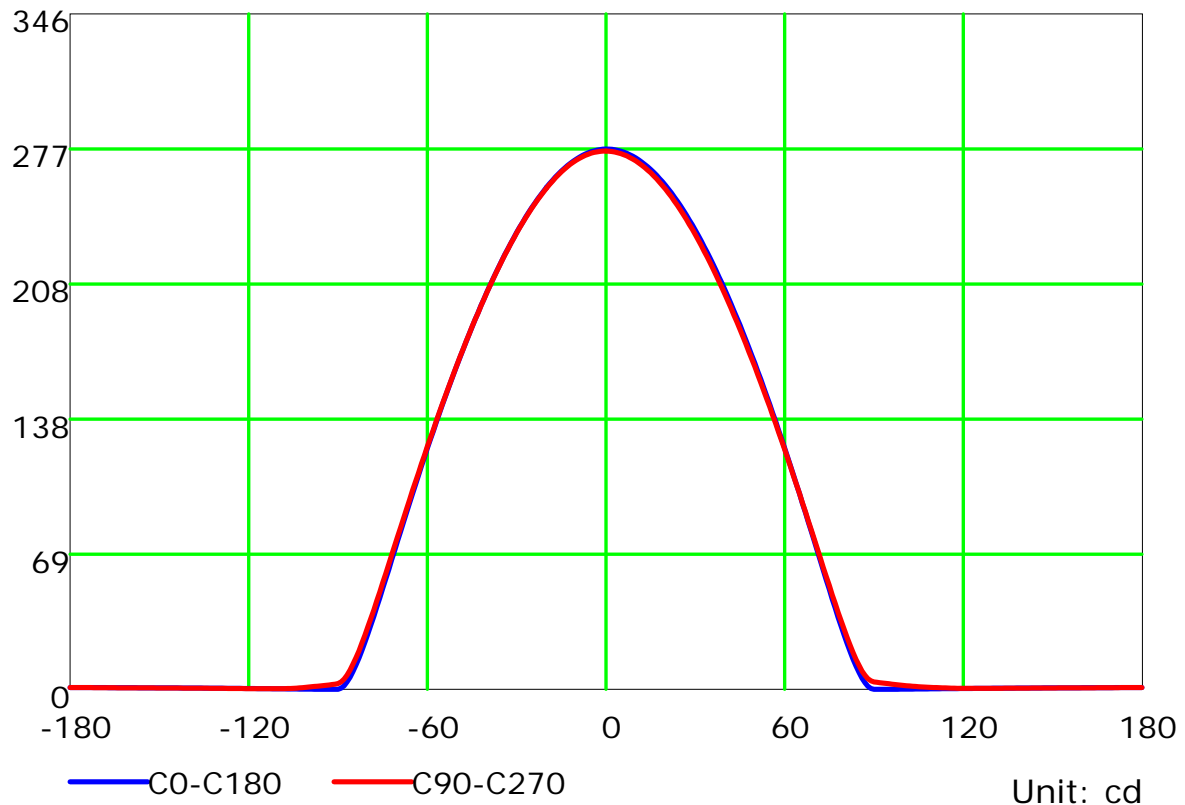
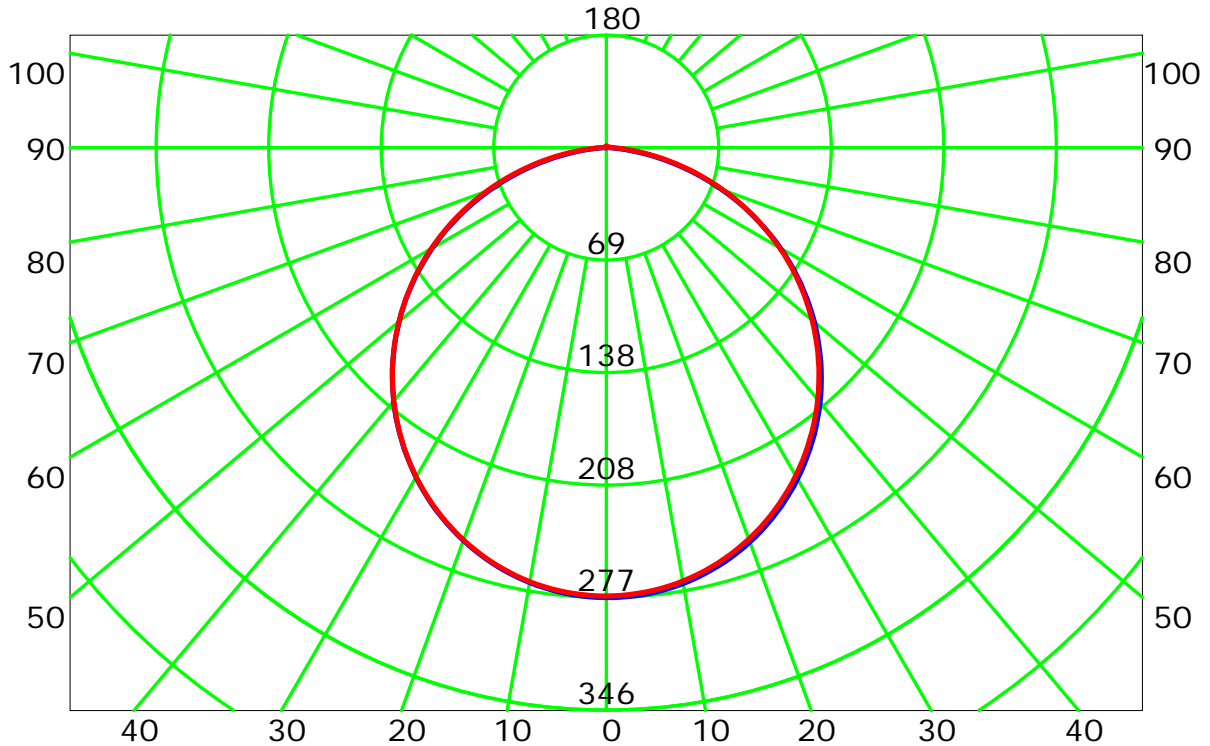


C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 m  
 Humidity:  
 Inspector:



## Luminous Intensity Distribution Curve

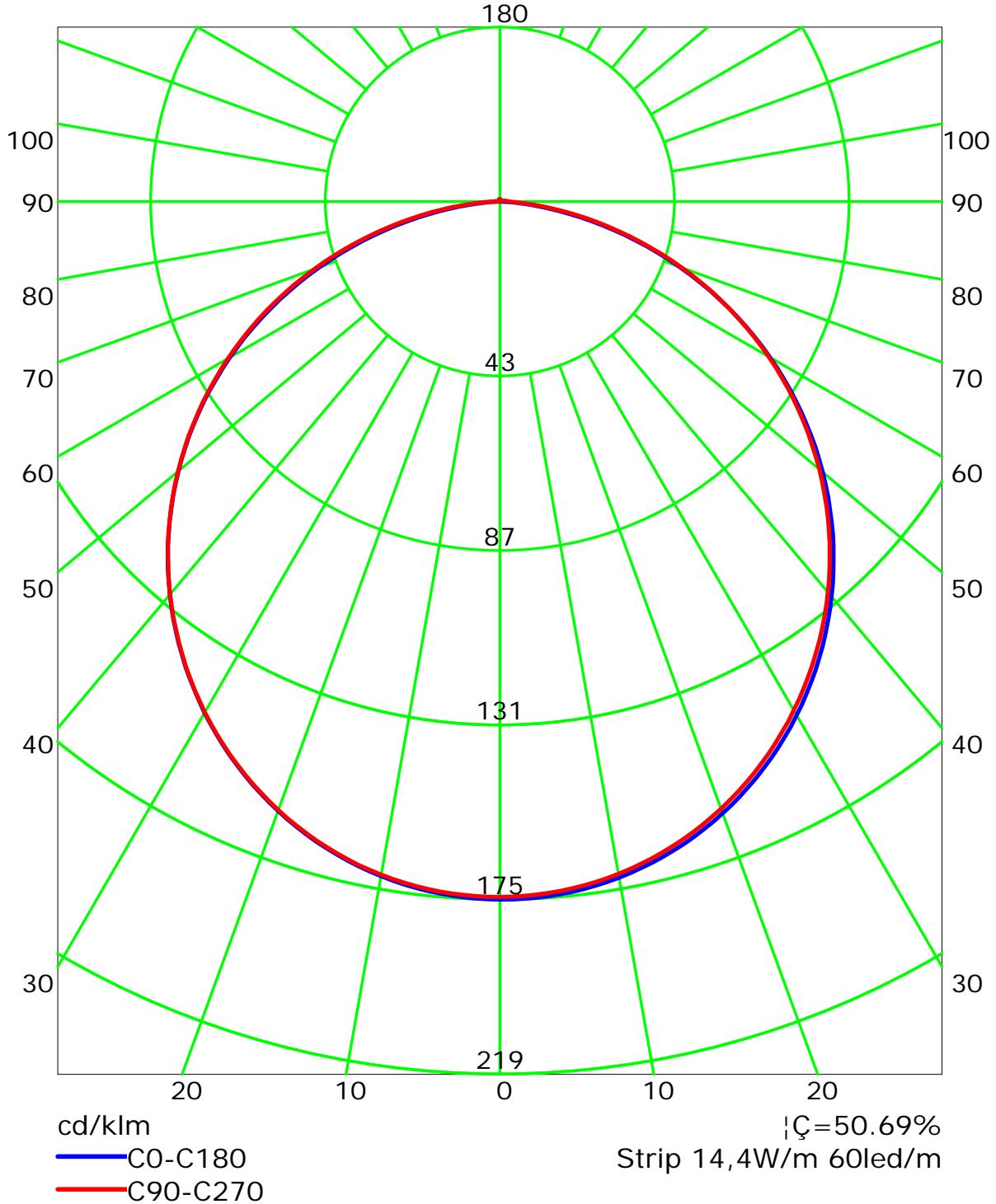


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 7.979 m  
Humidity:  
Inspector:



## Luminous Intensity Distribution Curve(cd/klm)

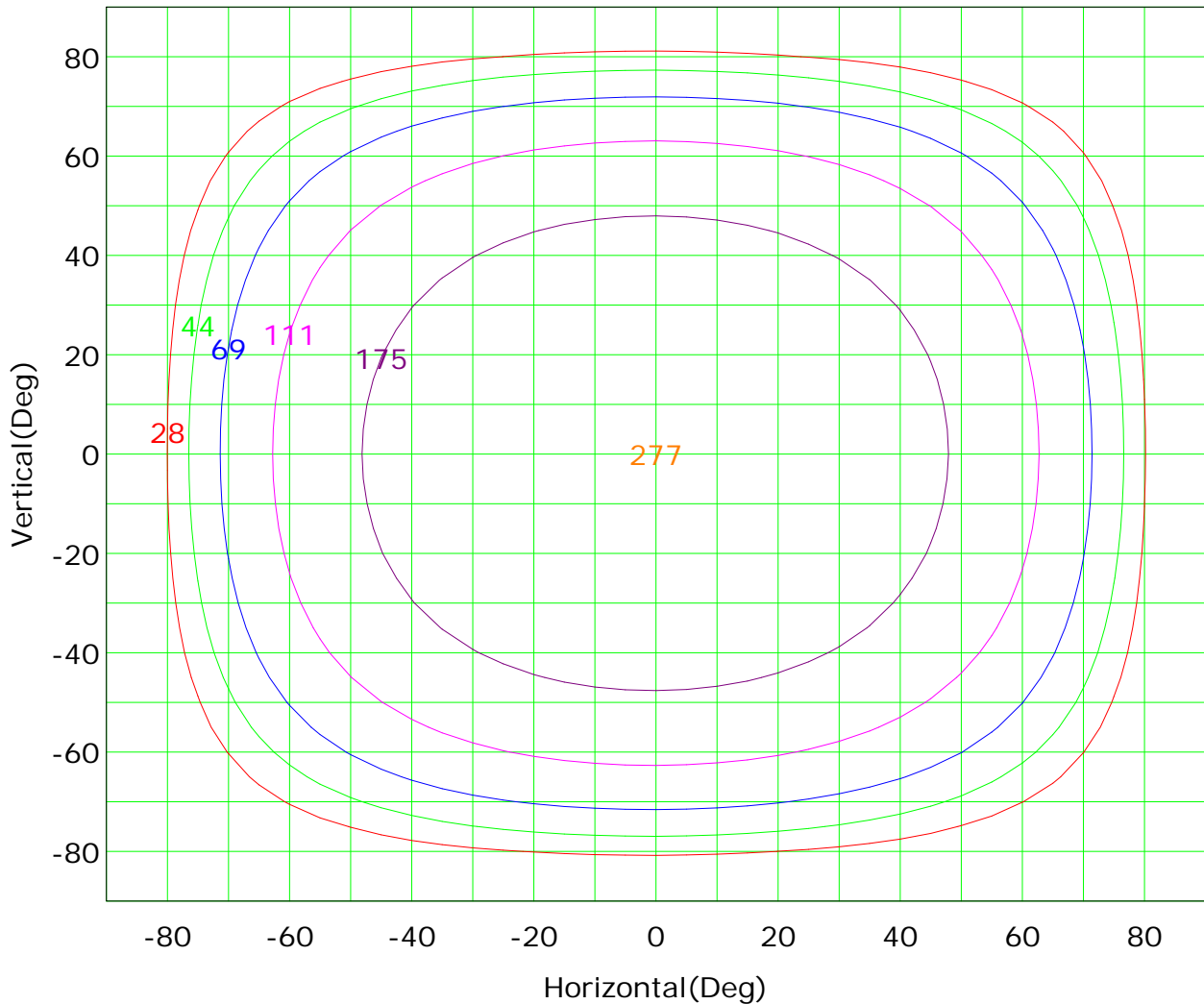


C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 m  
 Humidity:  
 Inspector:



## Isocandela (rectangle)



Imax (100%): 277 cd

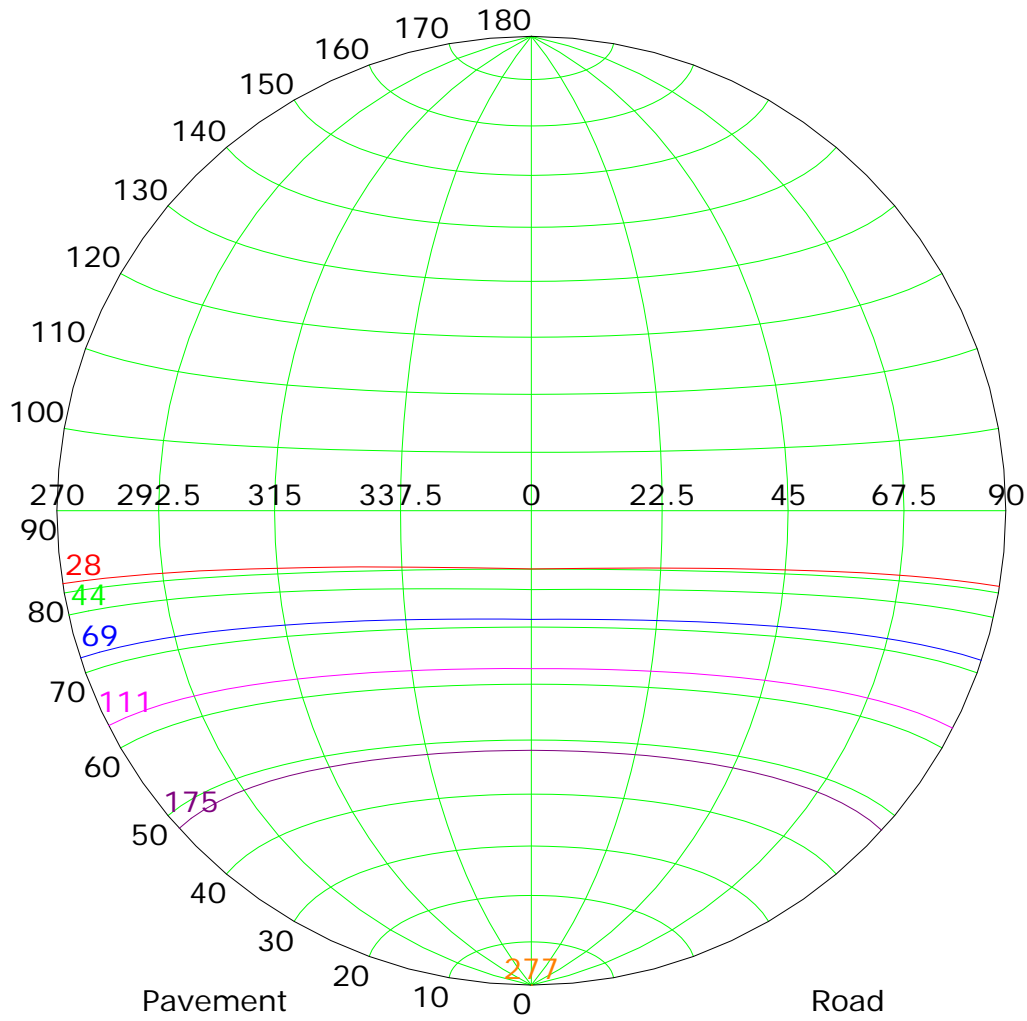
— ( 10%):	28 cd	— ( 16%):	44 cd
— ( 25%):	69 cd	— ( 40%):	111 cd
— ( 63%):	175 cd	— (100%):	277 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 m  
 Humidity:  
 Inspector:



## Isocandela (sphere)



Imax (100%): 277 cd

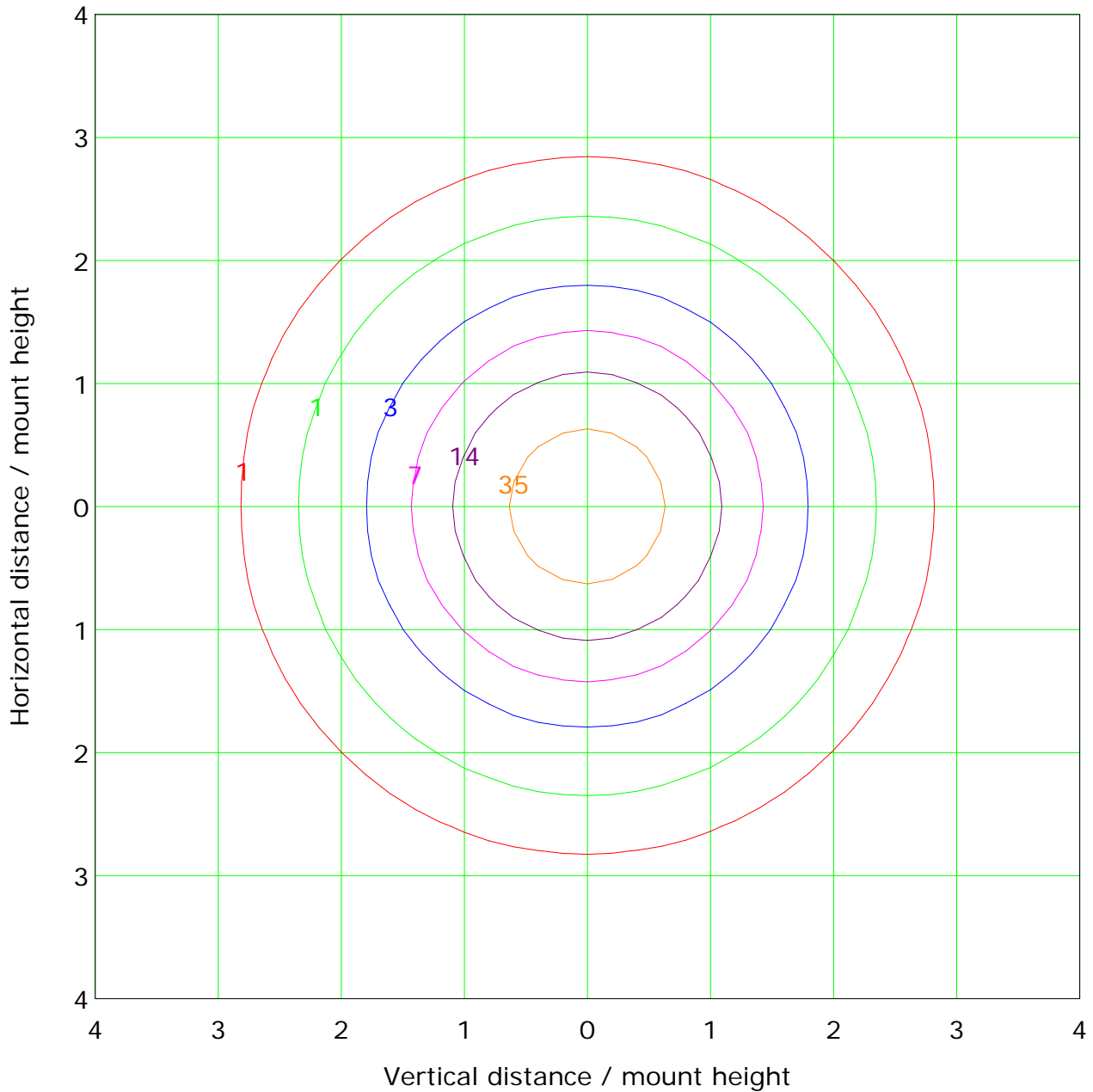
— ( 10%):	28 cd	— ( 16%):	44 cd
— ( 25%):	69 cd	— ( 40%):	111 cd
— ( 63%):	175 cd	— (100%):	277 cd

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 m  
 Humidity:  
 Inspector:



## IsoLux Plot



Mounting Height: 2.0m		Max Lux(100%): 69.4 lx
— ( 1%):	0.7 lx	— ( 2%): 1.4 lx
— ( 5%):	3.5 lx	— ( 10%): 6.9 lx
— ( 20%):	13.9 lx	— ( 50%): 34.7 lx
— (100%):	69.4 lx	

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 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



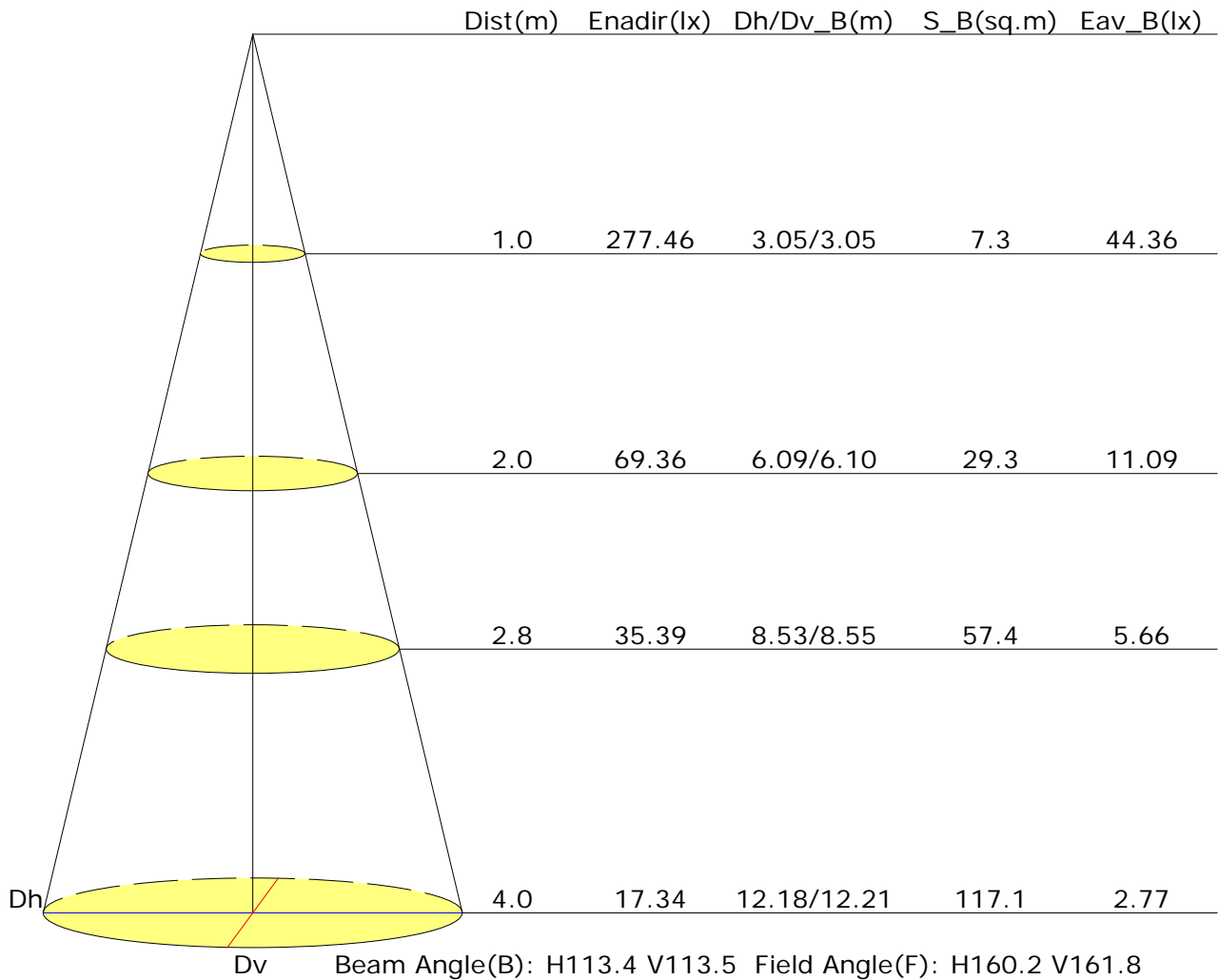
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	187	167	146	124	100	76	51	28	9
C90	185	166	145	123	101	77	53	31	12
C180	186	167	146	124	100	76	52	28	9
C270	186	167	146	125	102	78	55	32	13

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 m  
 Humidity:  
 Inspector:



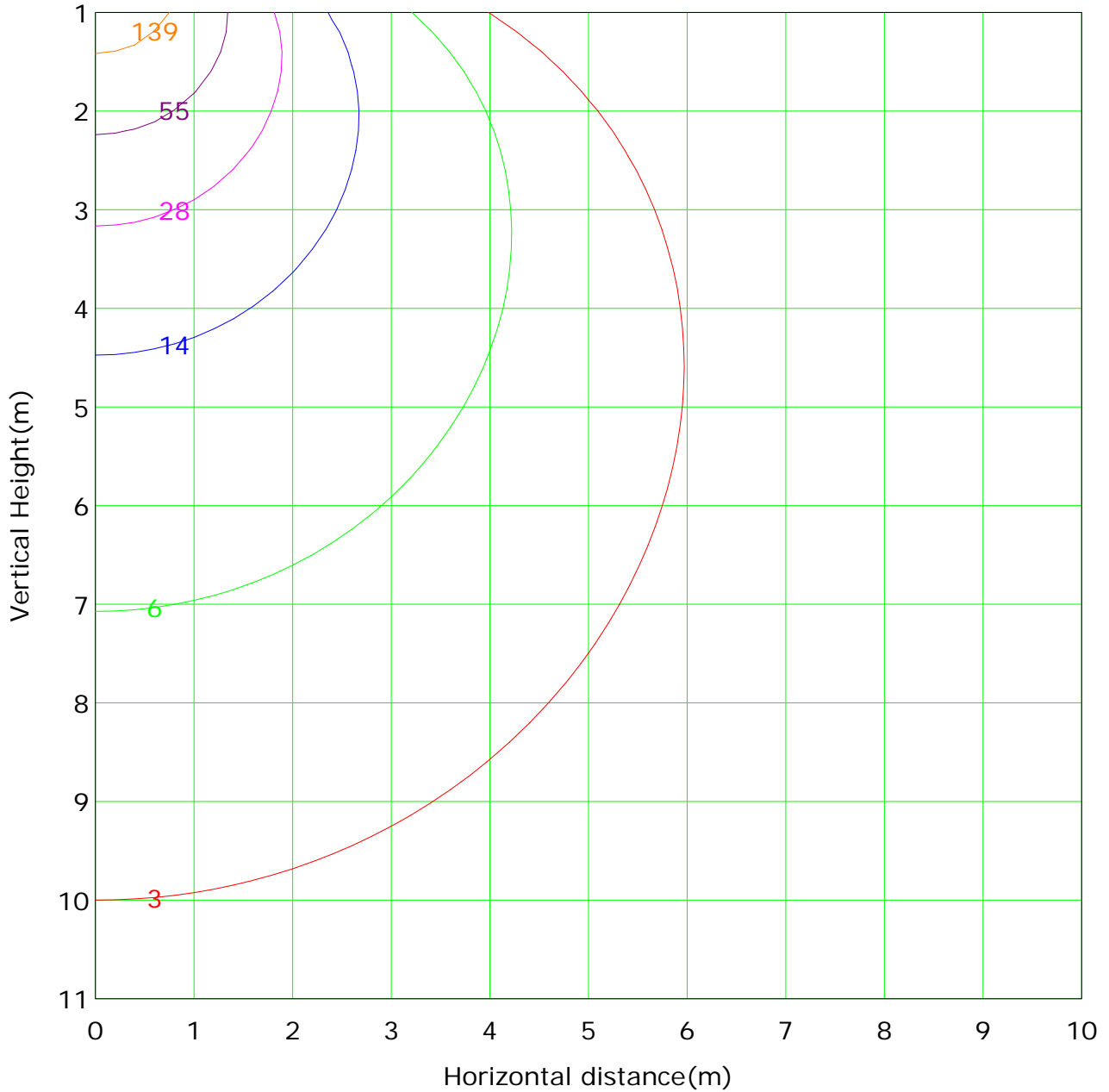
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 277.5 lx
— ( 1%): 2.8 lx	— ( 2%): 5.5 lx	
— ( 5%): 13.9 lx	— ( 10%): 27.7 lx	
— ( 20%): 55.5 lx	— ( 50%): 138.7 lx	
— (100%): 277.5 lx		

C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 7.979 m  
 Humidity:  
 Inspector: