



Report No.:

Test Time: 12/09/2019 14:09

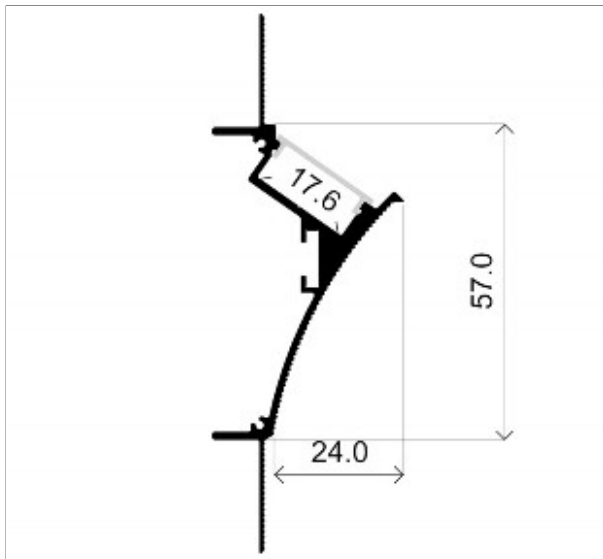
Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-DW09-01 + LLD-01-FM
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1
 Lumens per Lamp: 1042 lm Voltage: 24.0 V
 Current: 0.597 A Power: 14.31 W
 Power Factor: 1.000

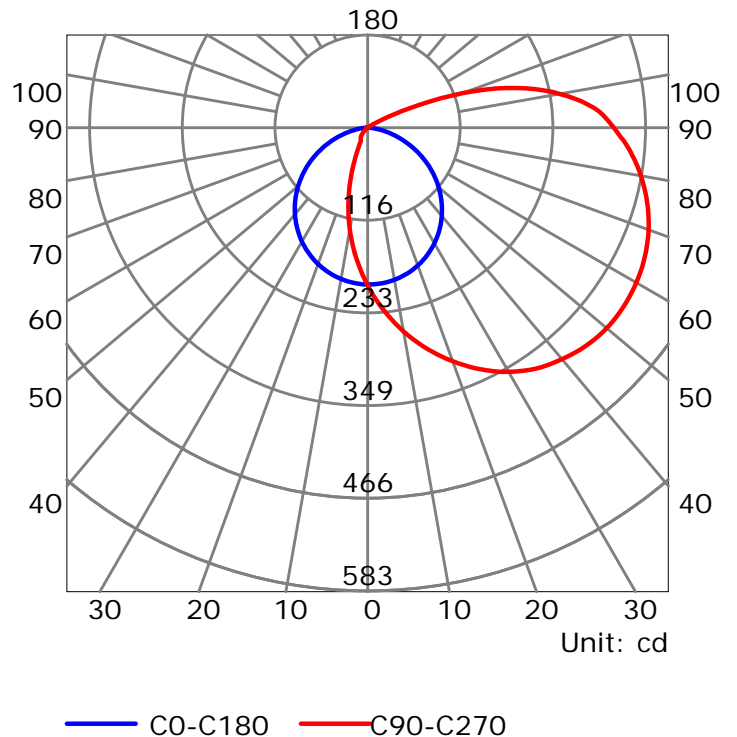
Photometric Results

CIE Class: Semi-Direct	Total Rated Lamp Lumens: 1042.0 lm
Measurement Flux: 1041.8 lm	Efficiency: 99.98%
Downward Ratio: 86.03%	Upward Ratio: 13.95%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.9, 139.5, 141.3, 141.5	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.5, 104.7, 106.4, 106.8	
Luminaire Efficacy Rating (LER): 72.86	Central Intensity: 197.43 cd
Max. Intensity: 393.49 cd	Pos of Max. Intensity: H90 V53
S/MH(C0/C180): 1.26	S/MH(C90/C270): 1.50

Picture Of Luminaire



Luminous Intensity Distribution Curve

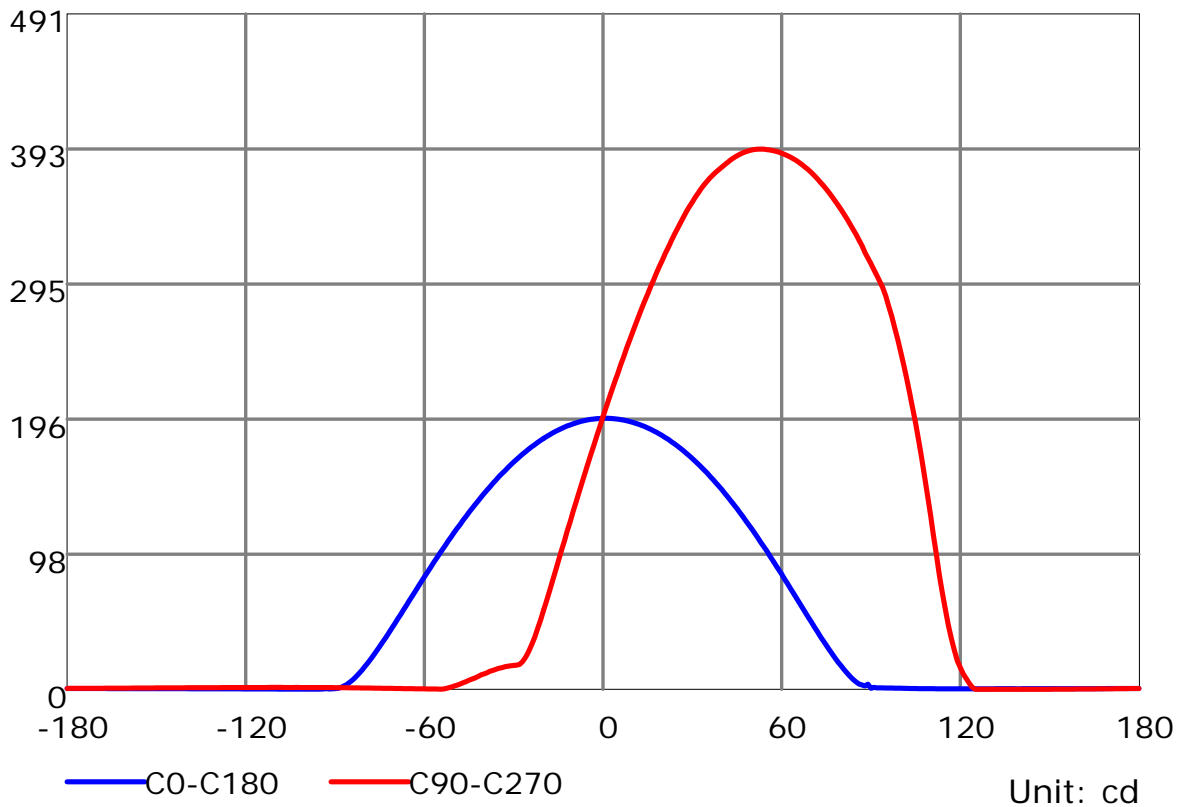
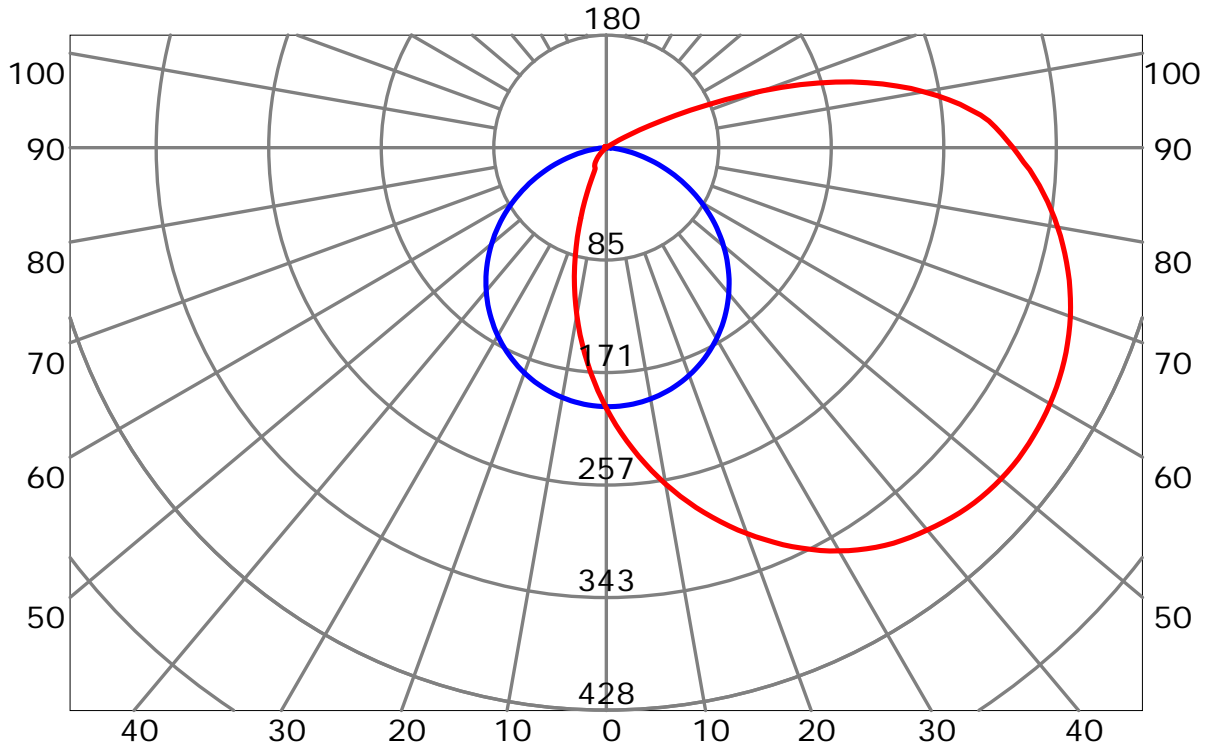


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Luminous Intensity Distribution Curve

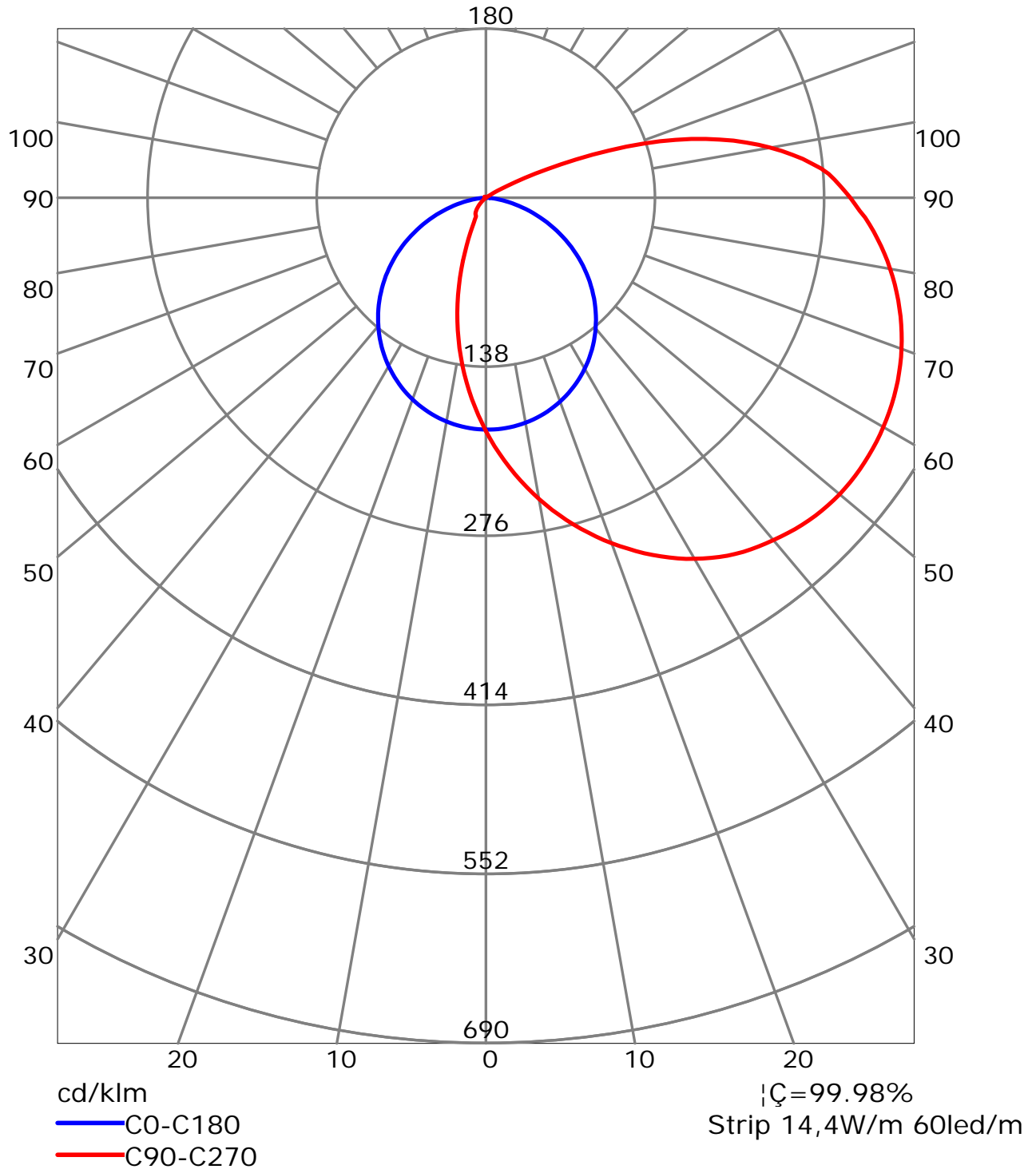


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



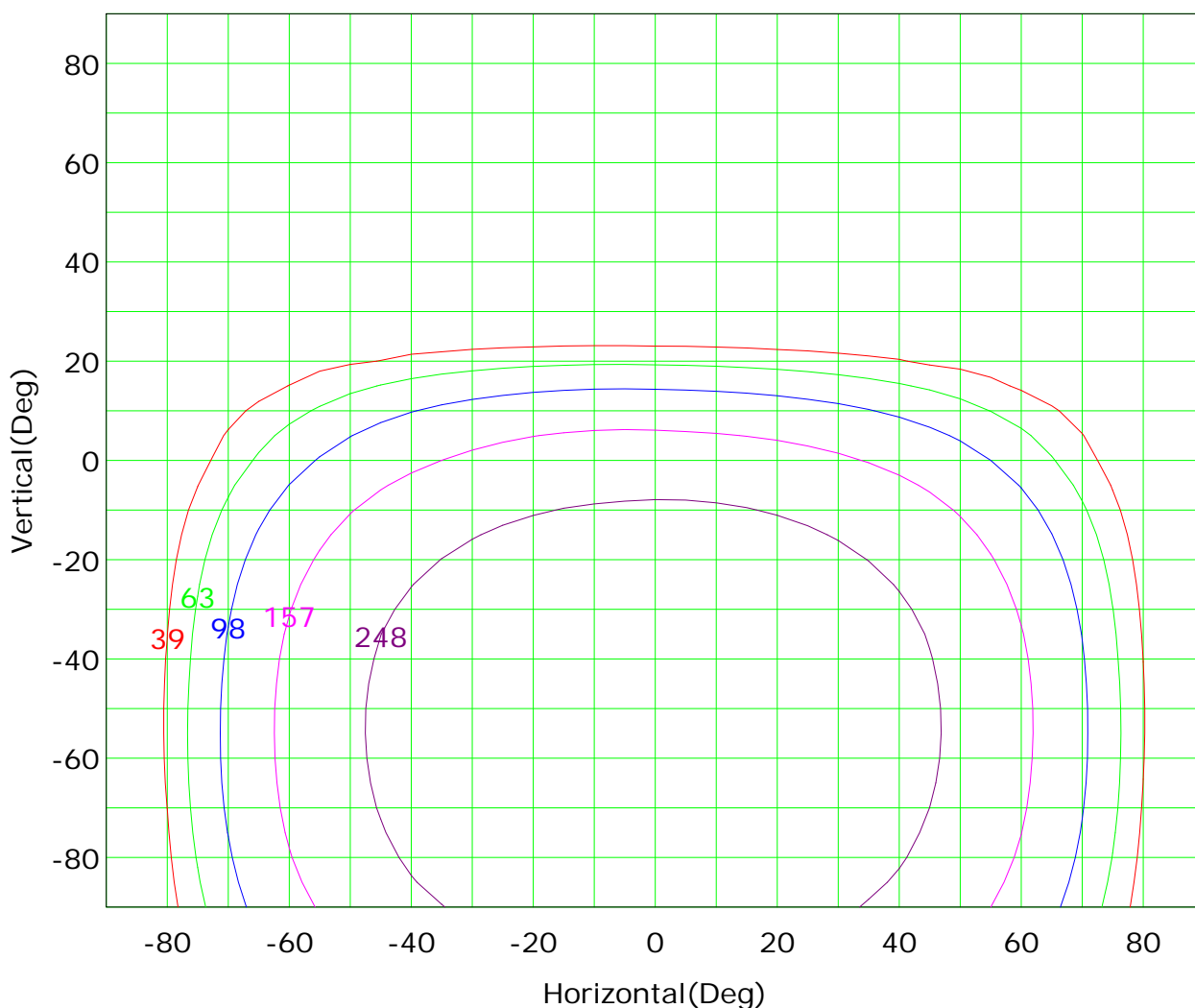
Luminous Intensity Distribution Curve(cd/klm)



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%): 393 cd

— (10%):	39 cd	— (16%):	63 cd
— (25%):	98 cd	— (40%):	157 cd
— (63%):	248 cd	— (100%):	393 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

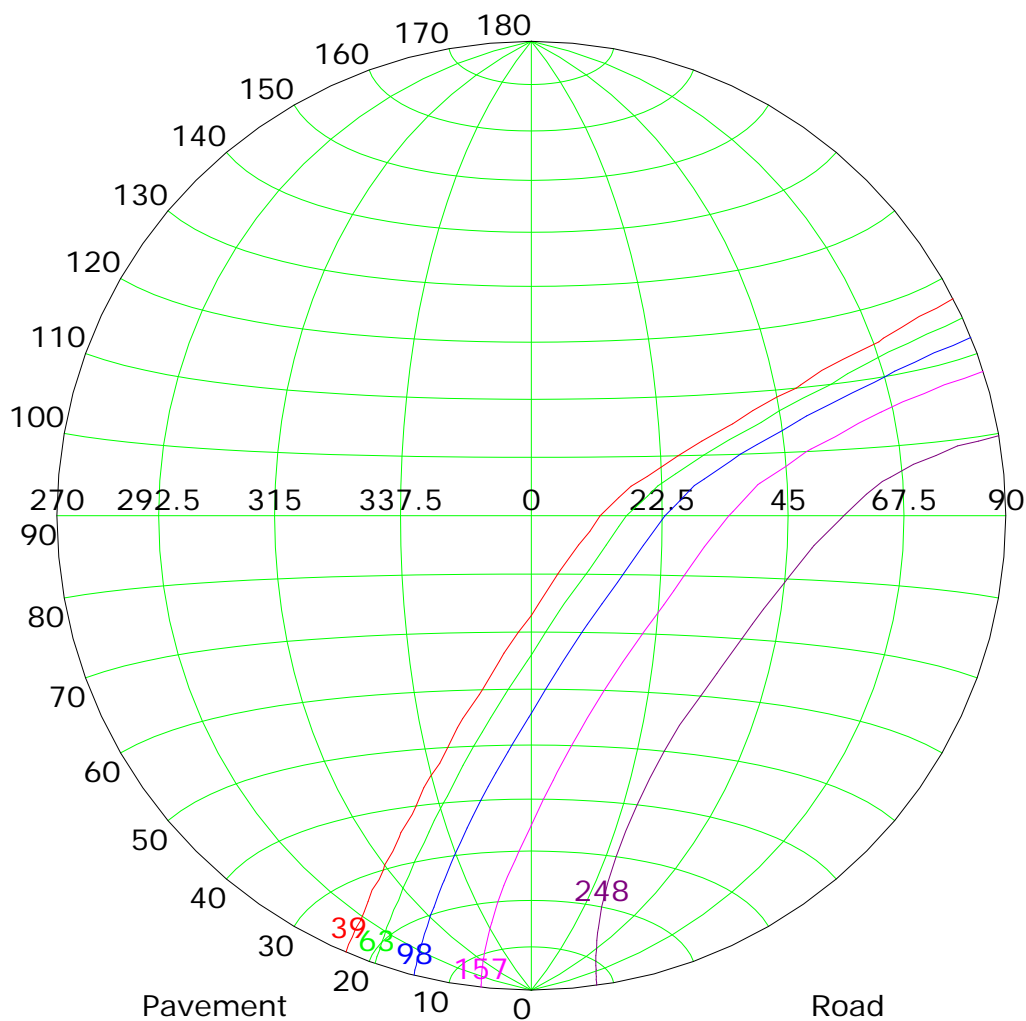
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 393 cd

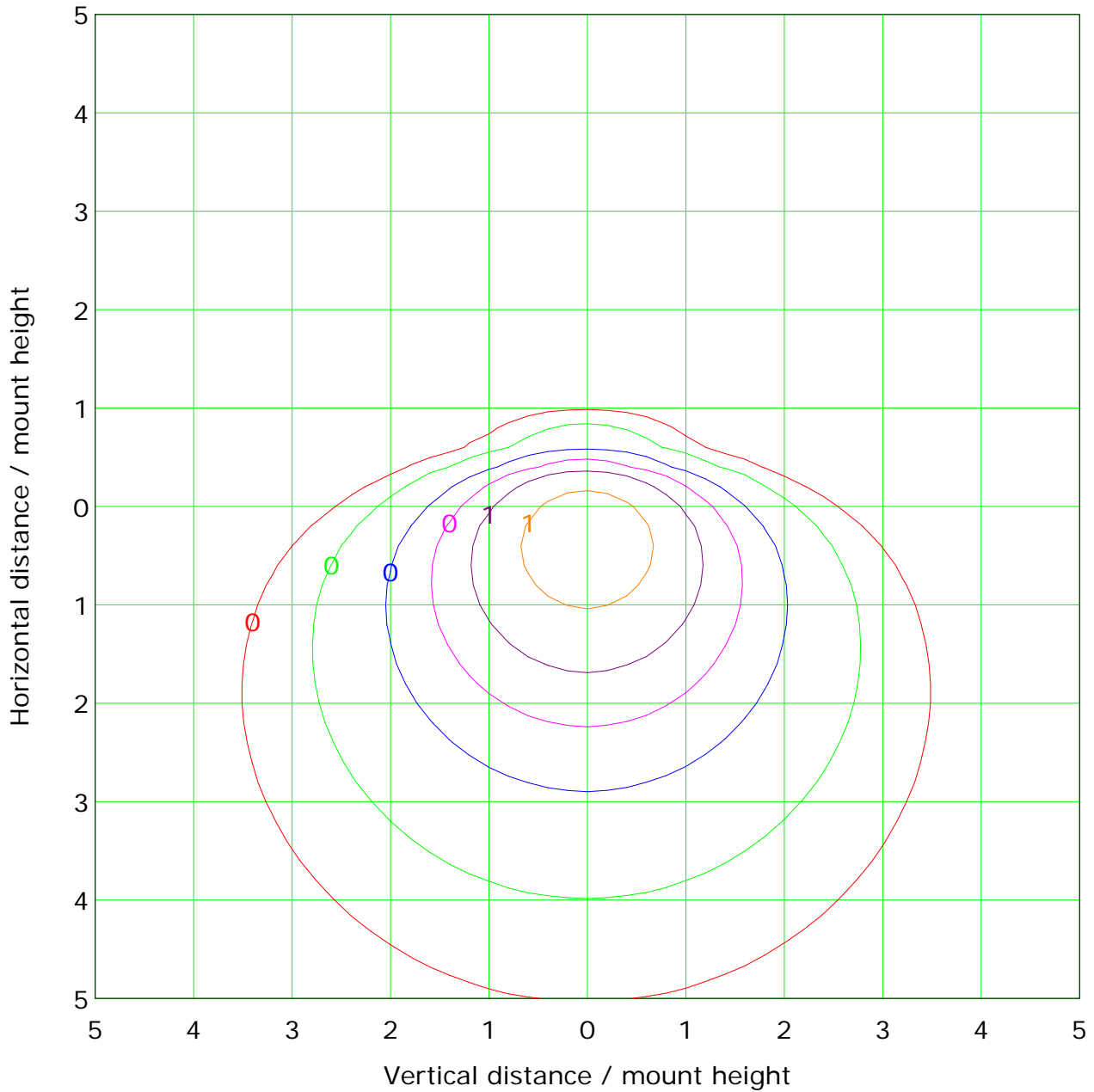
— (10%):	39 cd	— (16%):	63 cd
— (25%):	98 cd	— (40%):	157 cd
— (63%):	248 cd	— (100%):	393 cd

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%): 2.6 lx	
— (1%):	0.0 lx	— (2%):	0.1 lx
— (5%):	0.1 lx	— (10%):	0.3 lx
— (20%):	0.5 lx	— (50%):	1.3 lx
— (100%):	2.6 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	132	117	101	84	66	49	32	17	5
C90	389	393	393	390	385	376	364	349	331
C180	129	114	98	82	65	48	31	17	5
C270	7	2	0	0	1	1	1	1	1

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

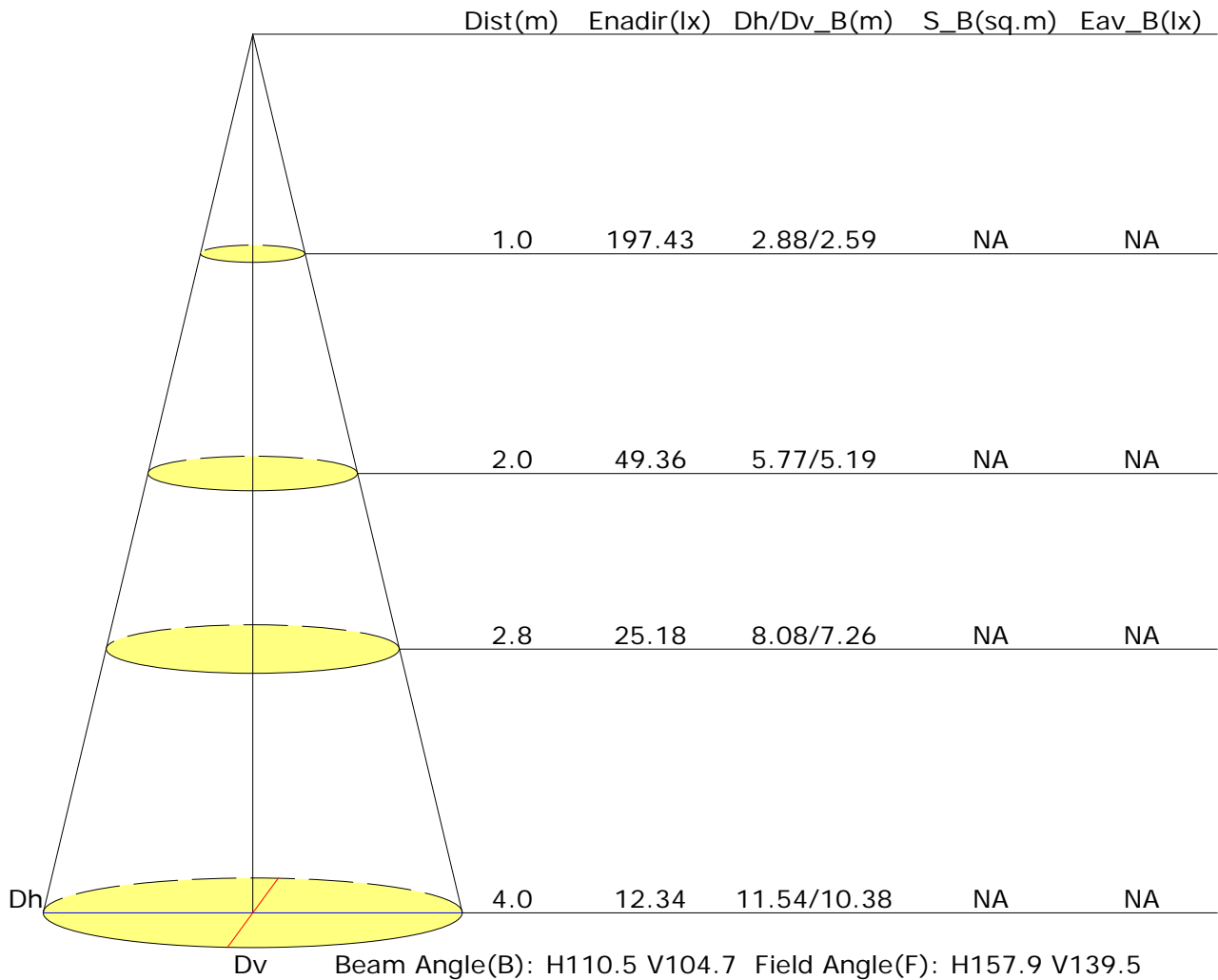
Distance: 7.970 m

Humidity:

Inspector:



Illuminance at a Distance

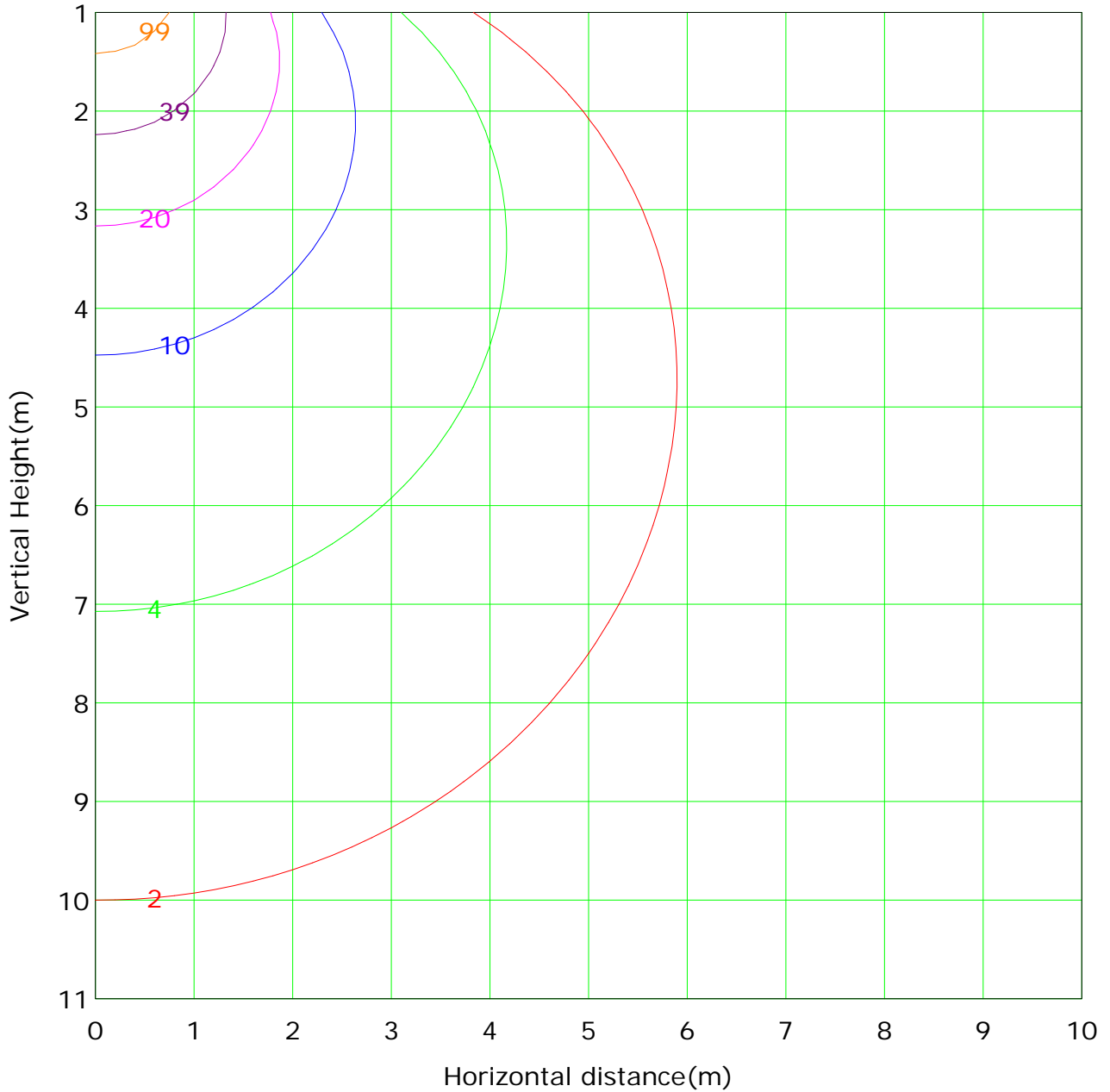


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 197.4 lx
— (1%): 2.0 lx	— (2%): 3.9 lx	
— (5%): 9.9 lx	— (10%): 19.7 lx	
— (20%): 39.5 lx	— (50%): 98.7 lx	
— (100%): 197.4 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: