

Report No.:

Test Time: 07/09/2018 09:13

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-SL04-04 + LLD-04-UM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.586 A

Power: 14.05 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1178.8 lm

Downward Ratio: 72.56%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 74.65%

Upward Ratio: 2.09%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.4, 182.6, 172.5, 171.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.3, 119.9, 116.2, 115.7

Luminaire Efficacy Rating (LER): 83.95

Central Intensity: 375.52 cd

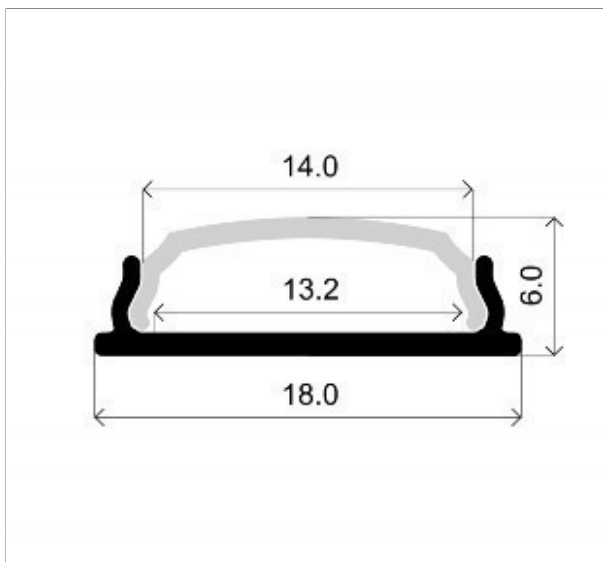
Max. Intensity: 377.05 cd

Pos of Max. Intensity: H20 V0

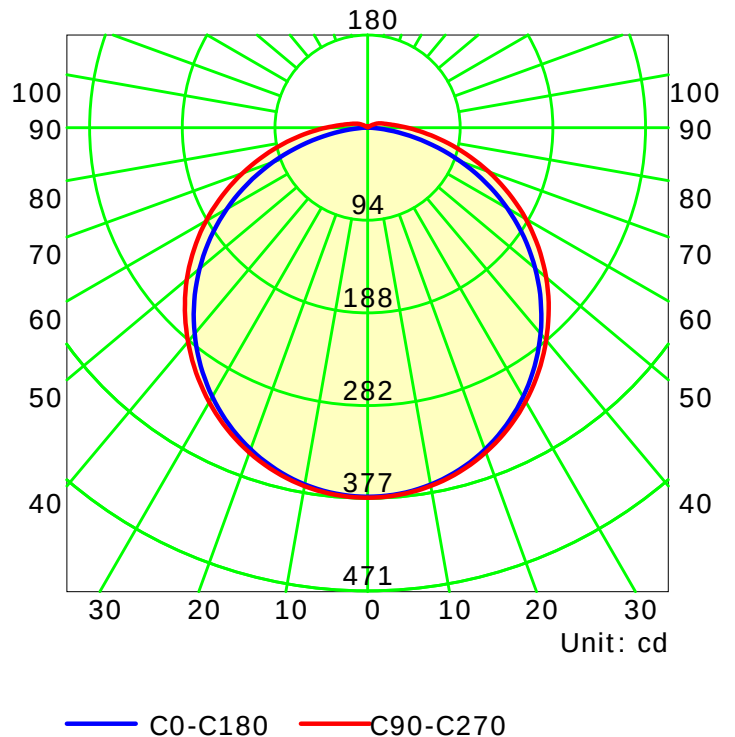
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.27

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

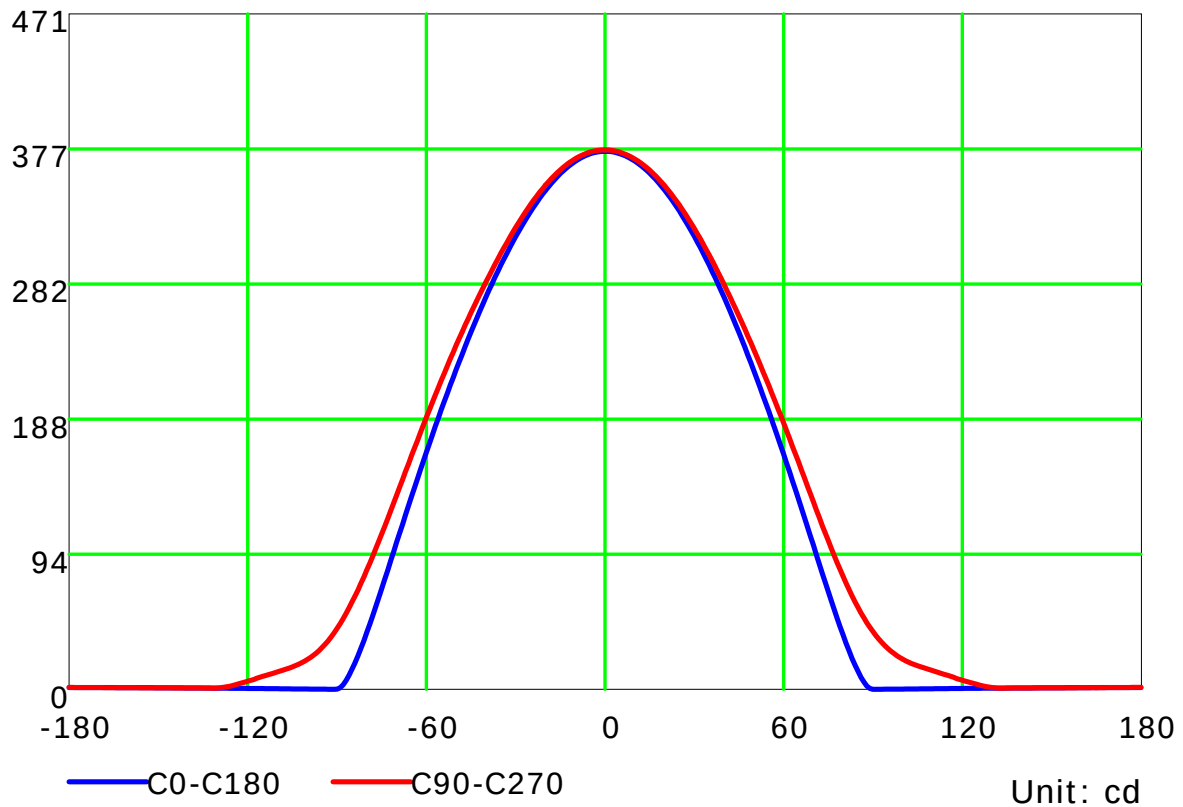
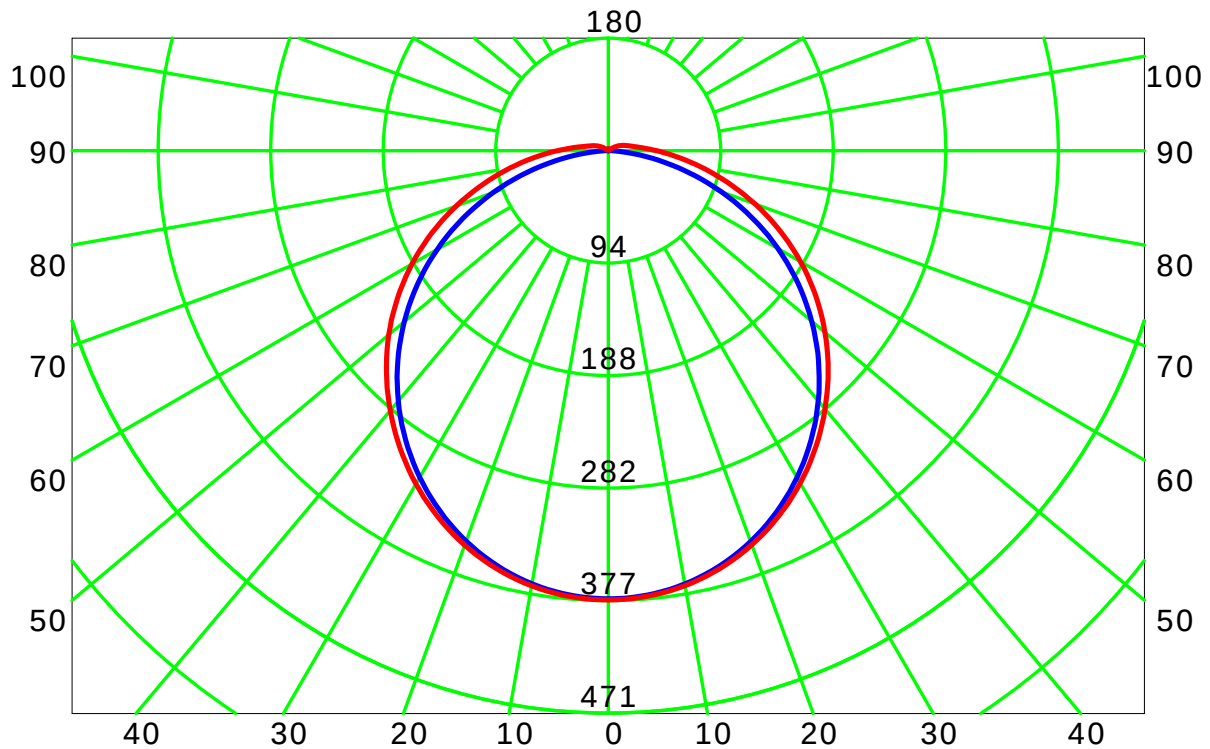
Test Device: GPM-2000

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

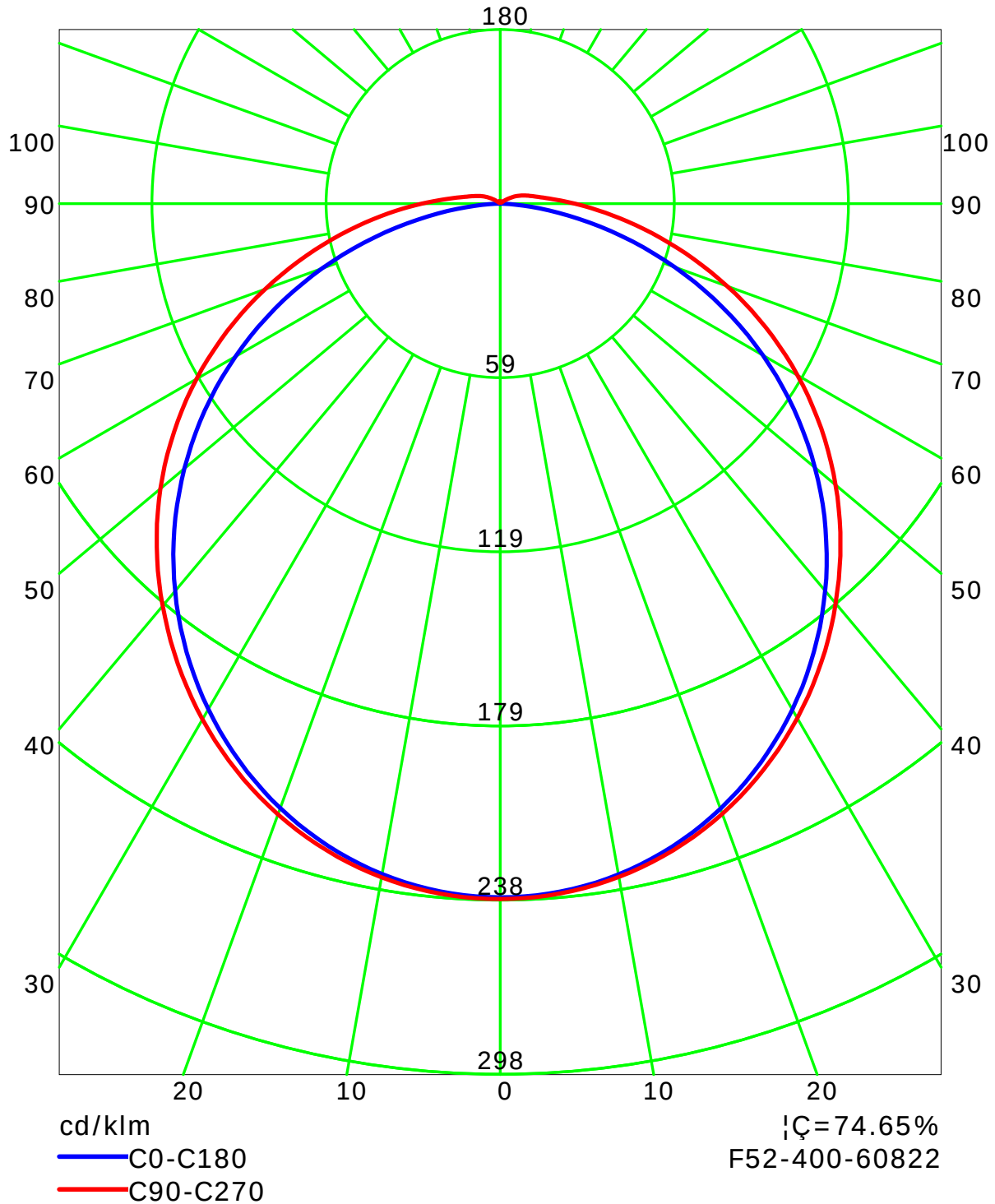
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

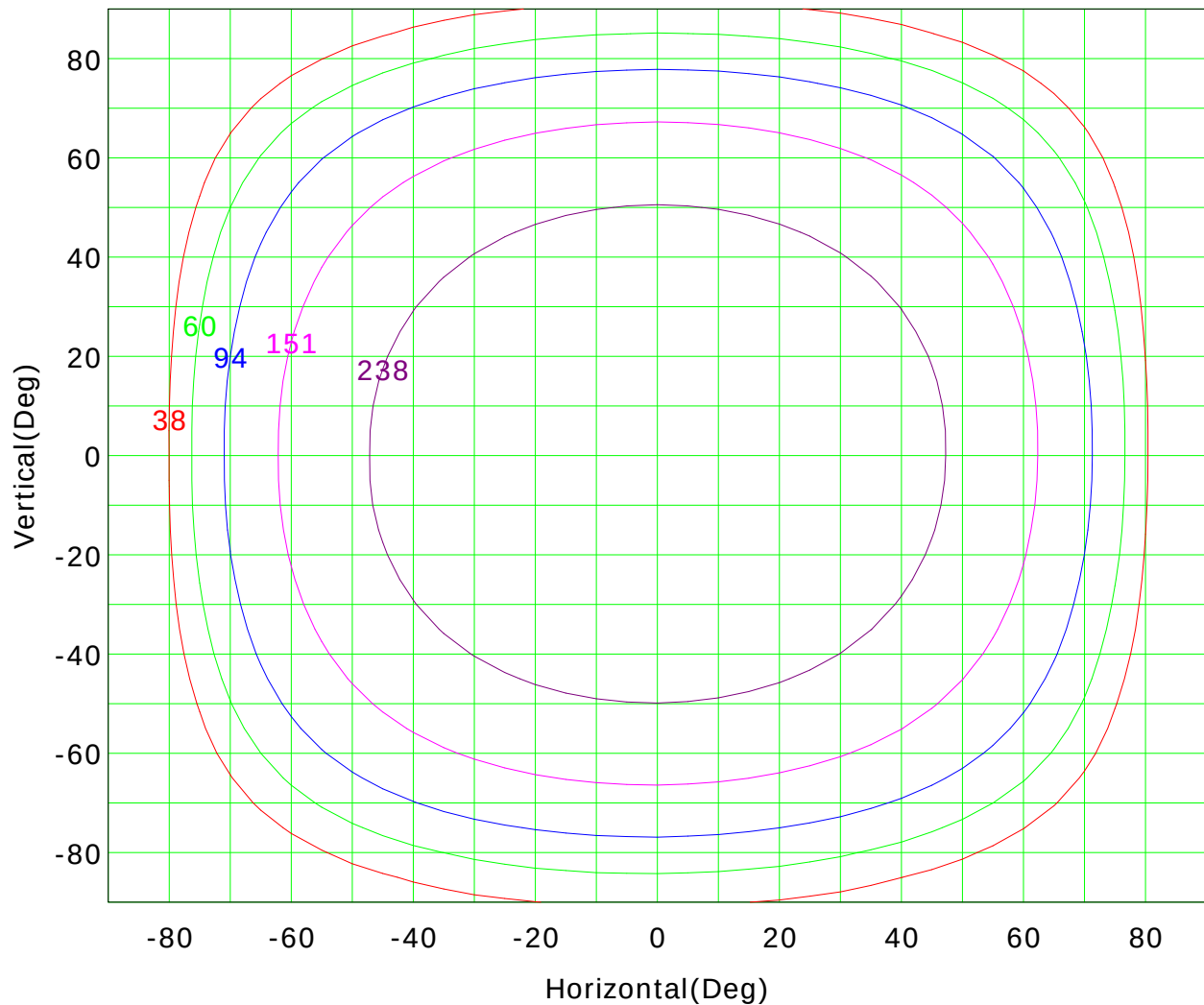
Luminous Intensity Distribution Curve(cd / klm)



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)



I_{max} (100%): 377 cd

(10%):	38 cd	(16%):	60 cd
(25%):	94 cd	(40%):	151 cd
(63%):	238 cd	(100%):	377 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

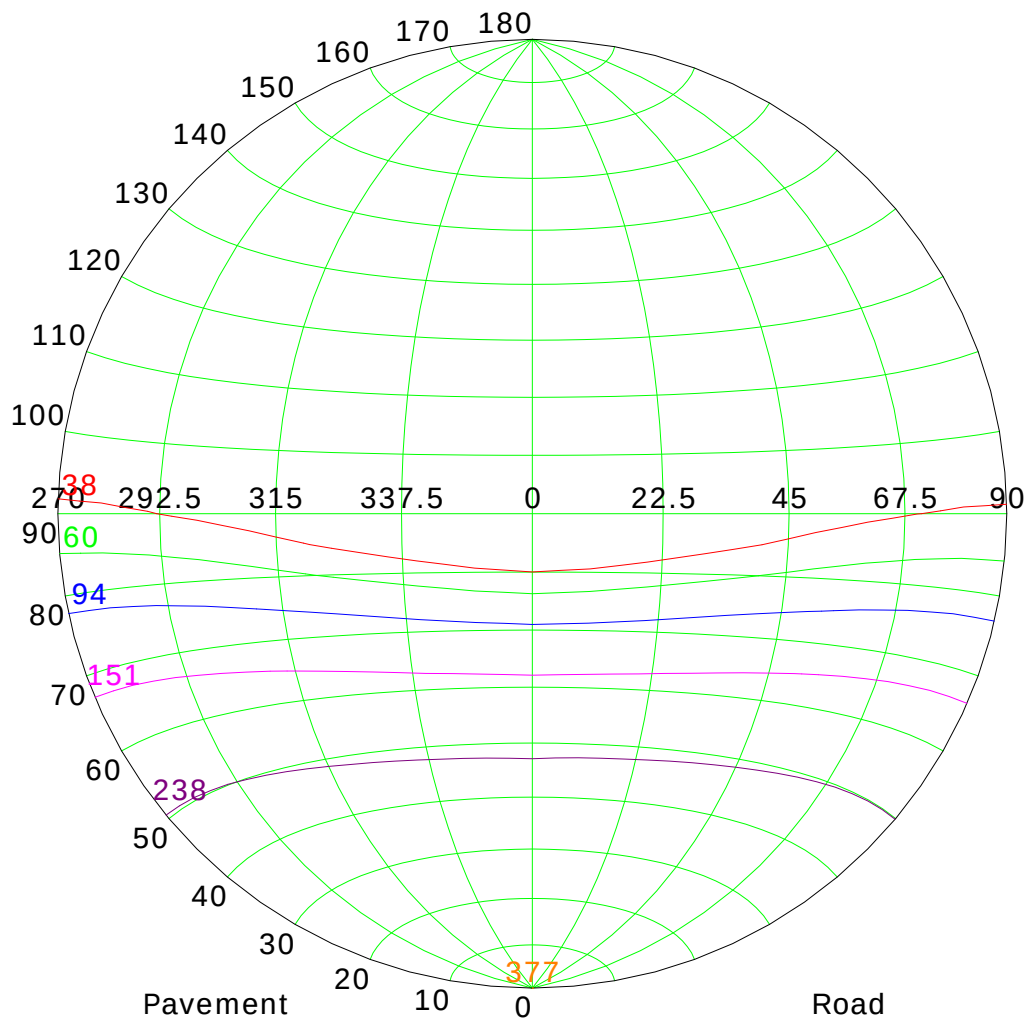
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 377 cd

(10%):	38 cd	(16%):	60 cd
(25%):	94 cd	(40%):	151 cd
(63%):	238 cd	(100%):	377 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

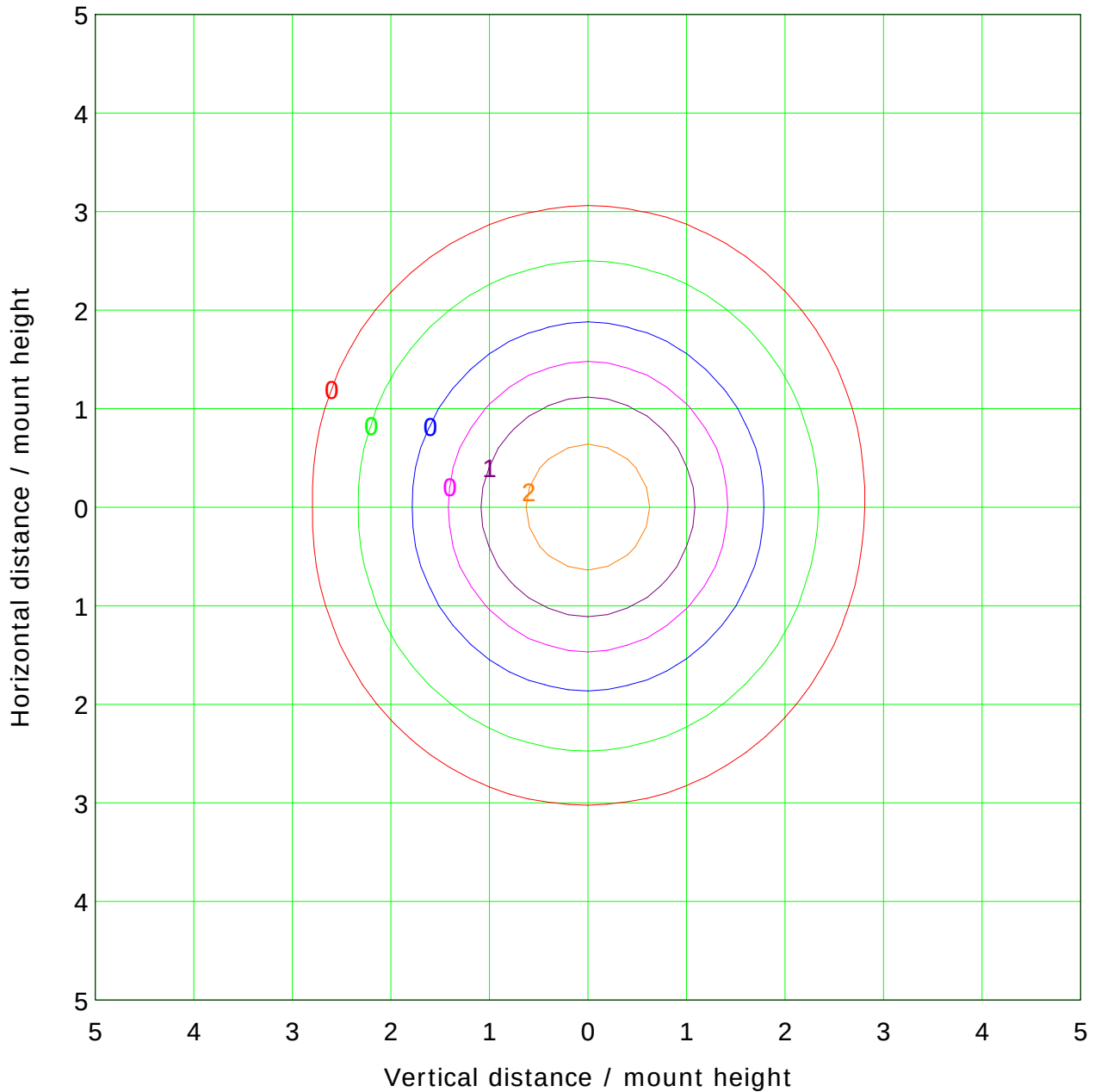
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 3.8 lx	
— (1%):	0.0 lx	— (2%):	0.1 lx
— (5%):	0.2 lx	— (10%):	0.4 lx
— (20%):	0.8 lx	— (50%):	1.9 lx
— (100%):	3.8 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

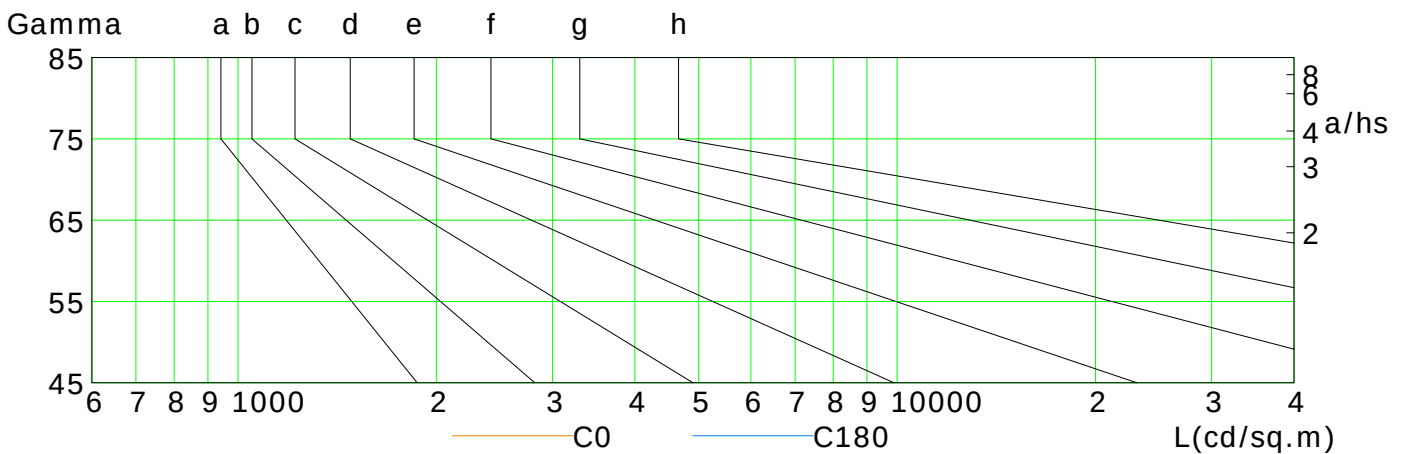
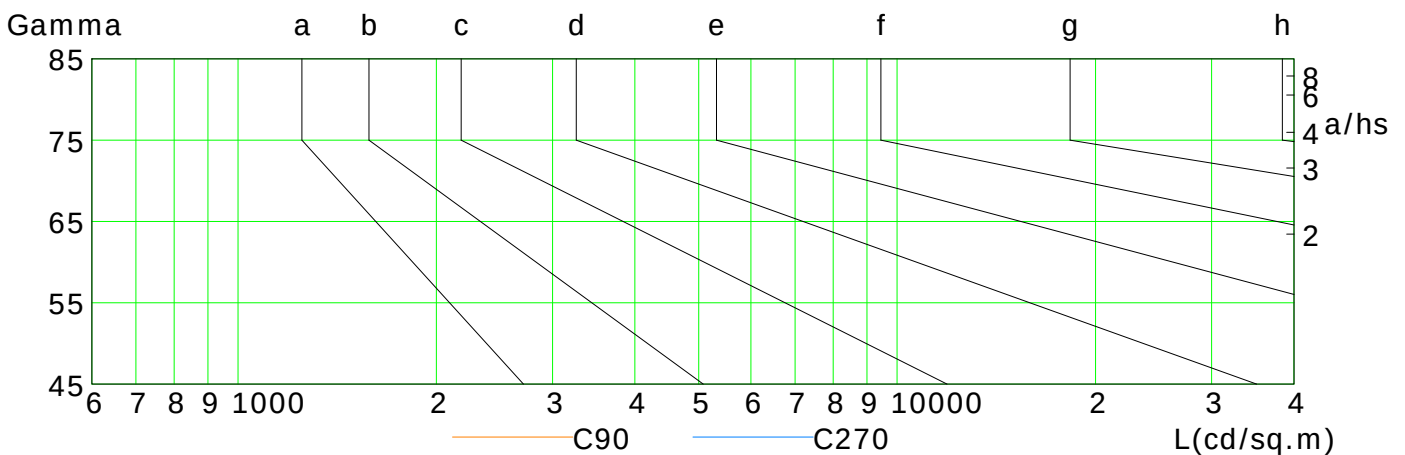
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	249	222	194	164	133	101	68	38	13
C90	260	237	212	186	159	131	104	79	57
C180	249	223	195	165	135	103	70	40	14
C270	263	240	216	190	163	135	109	83	61

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

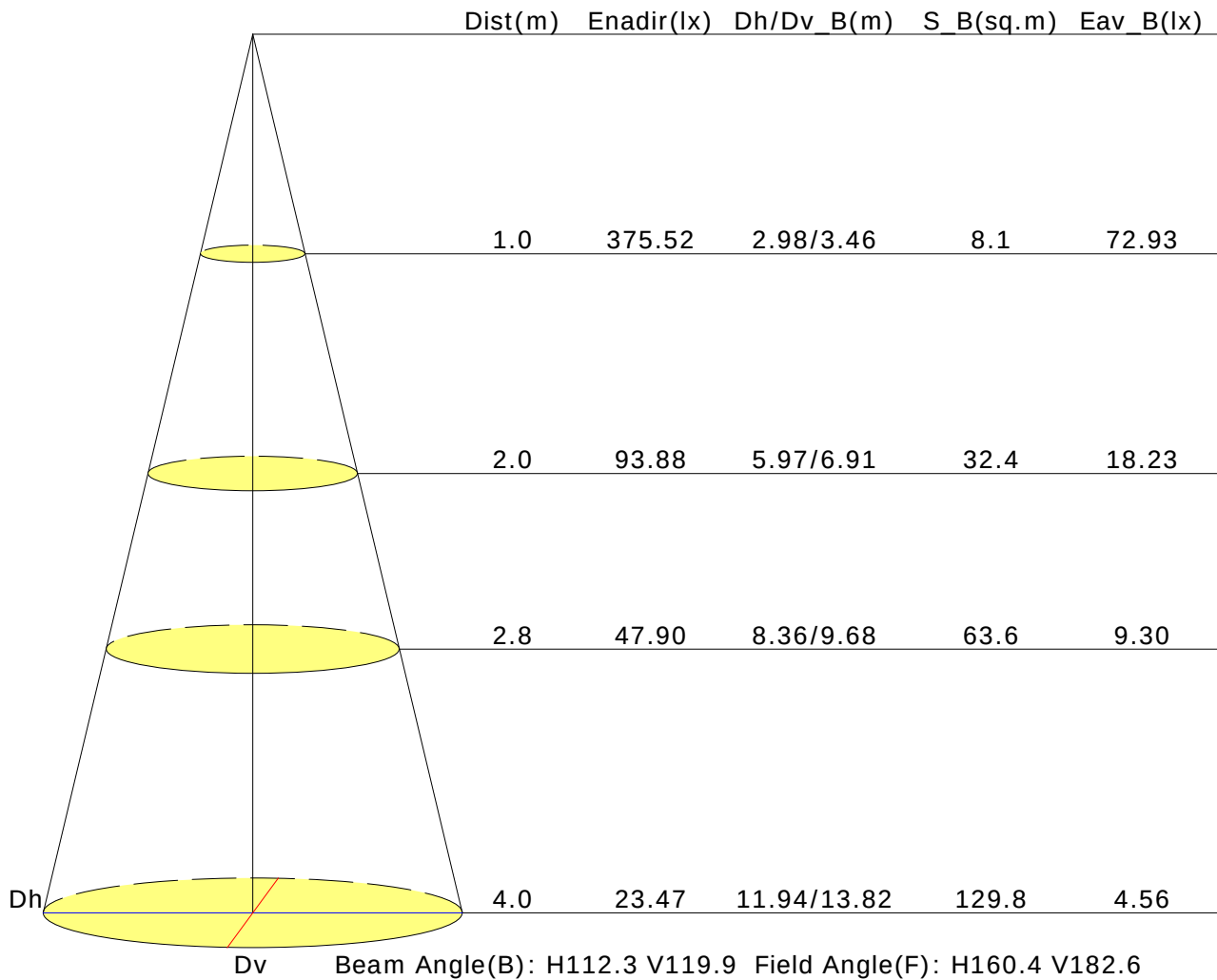
Test Device: GPM-2000

Distance: 7.970 m

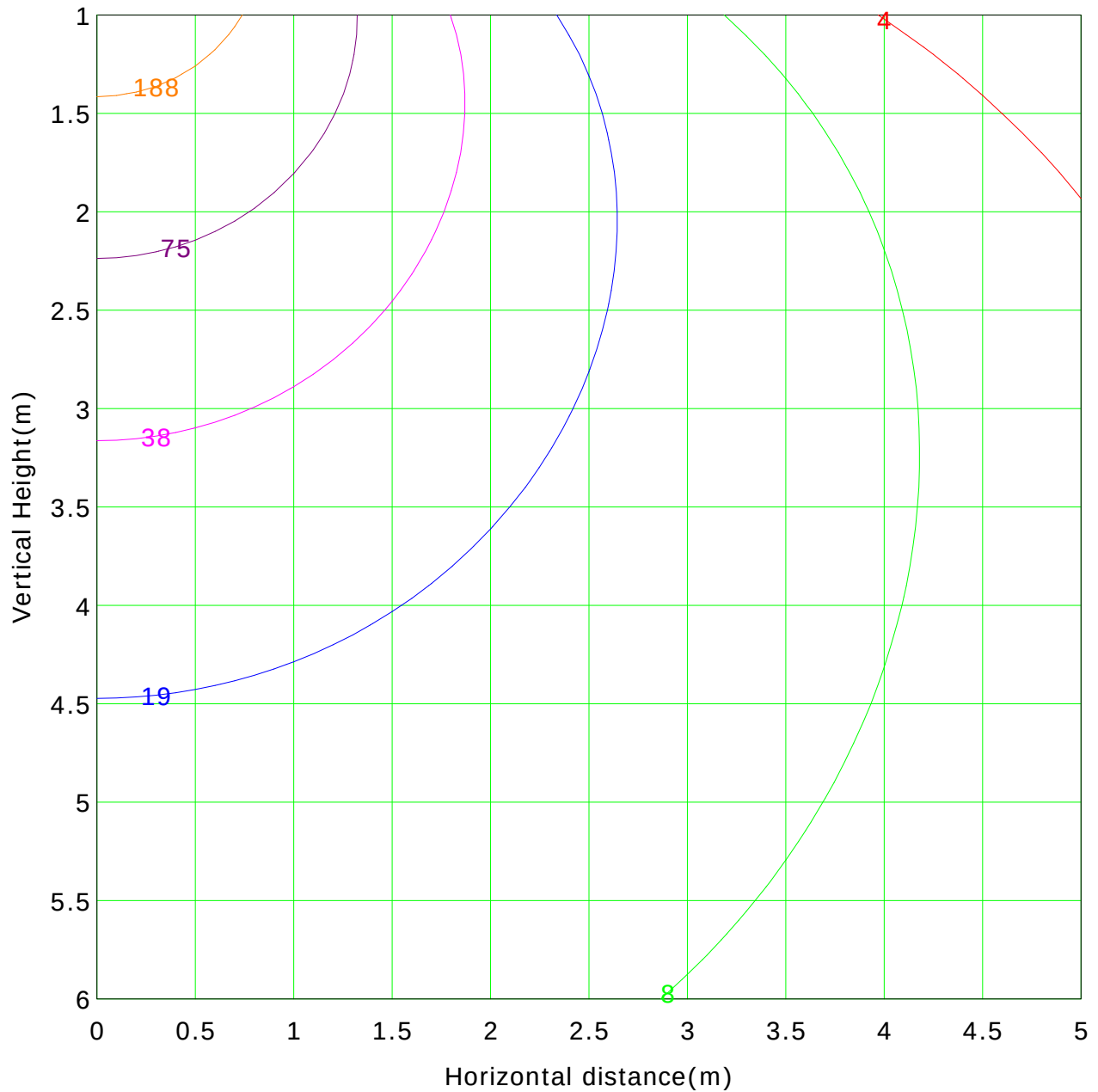
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 6.0m Max Lux: 375.5 lx

(1%): 3.8 lx	(2%): 7.5 lx
(5%): 18.8 lx	(10%): 37.6 lx
(20%): 75.1 lx	(50%): 187.8 lx
(100%): 375.5 lx	