

Report No.:

Test Time: 01/10/2018 15:56

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-RE08-13 + LLD-13-WM

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.594 A

Power: 14.26 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 877.6 lm

Downward Ratio: 55.20%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 55.58%

Upward Ratio: 0.38%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.0, 164.7, 163.0, 163.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.9, 113.4, 113.0, 113.1

Luminaire Efficacy Rating (LER): 61.59

Central Intensity: 303.36 cd

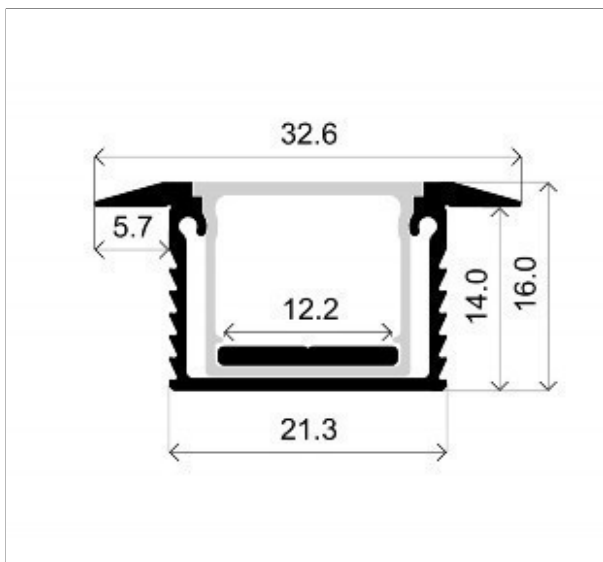
Max. Intensity: 303.36 cd

Pos of Max. Intensity: H0 V0

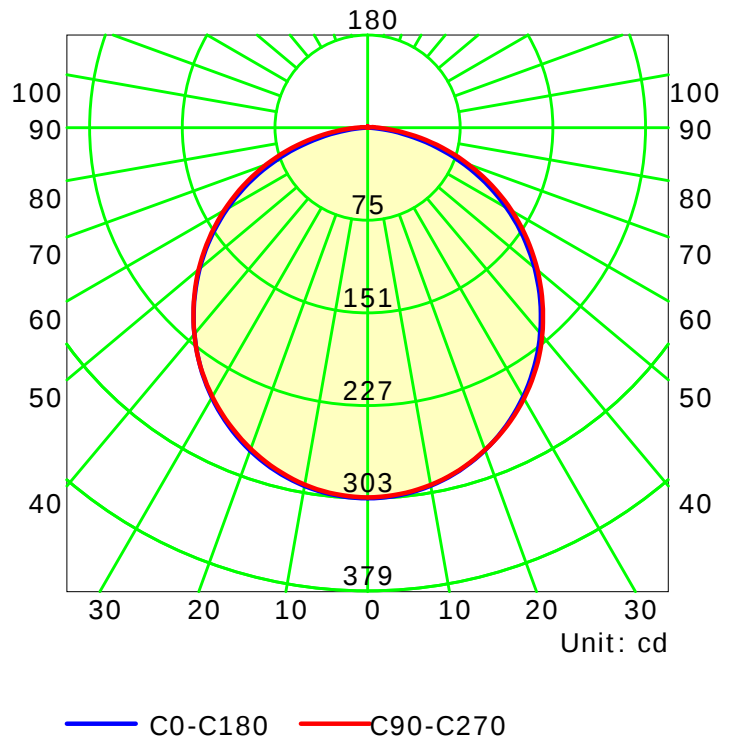
S/MH(C0/C180): 1.25

S/MH(C90/C270): 1.25

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

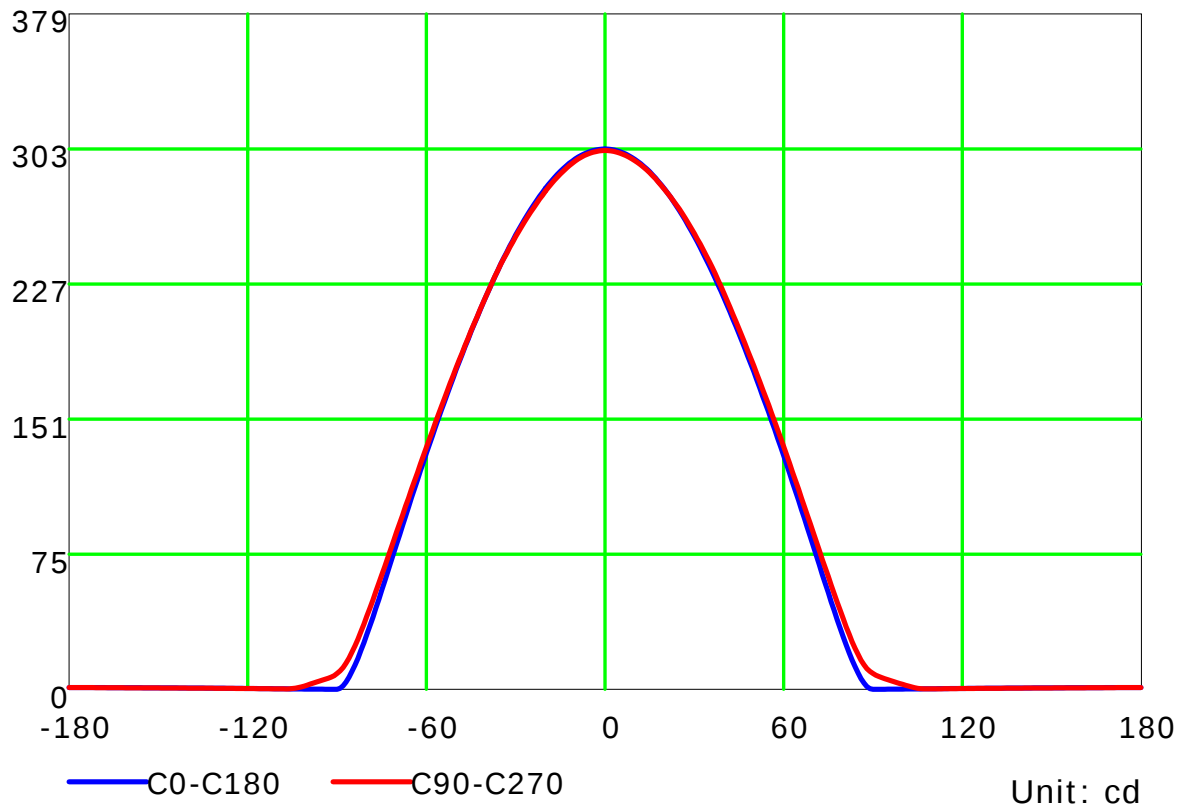
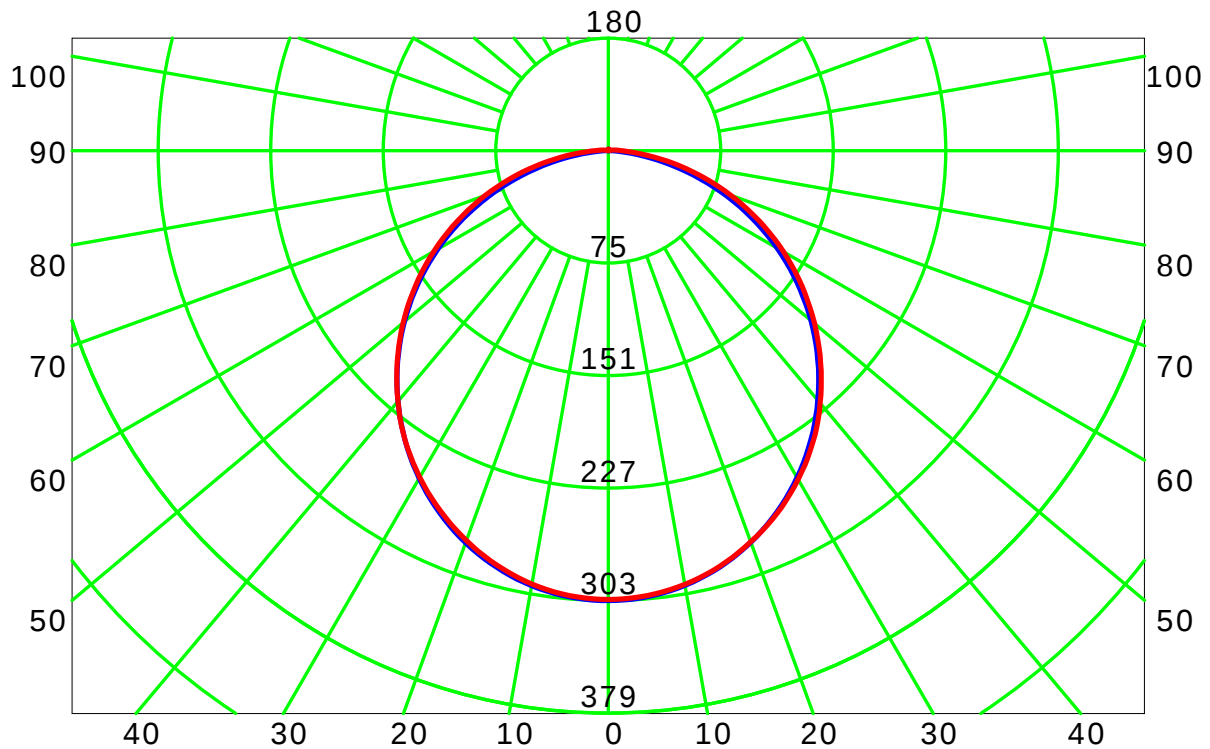
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

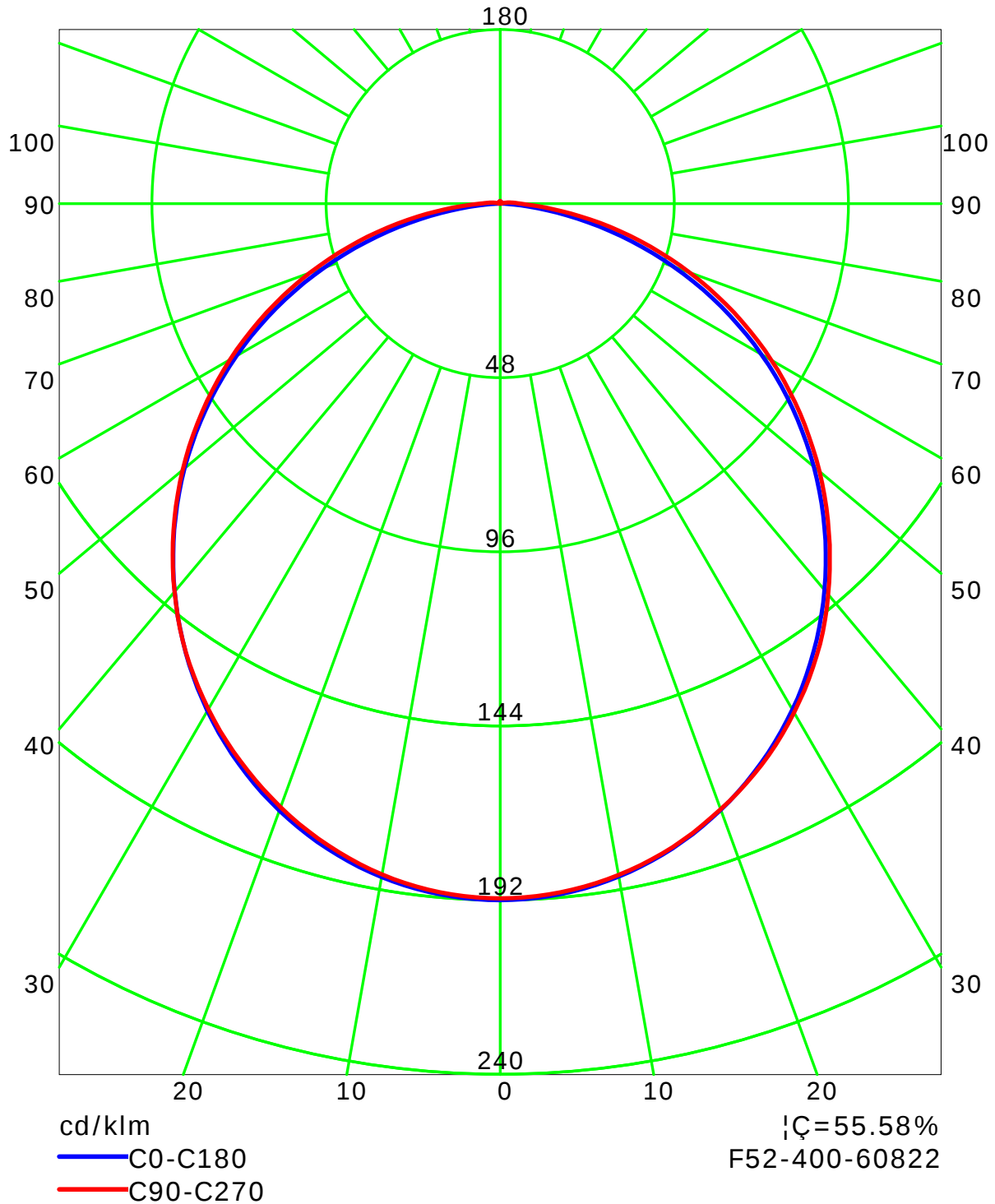
Luminous Intensity Distribution Curve



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:

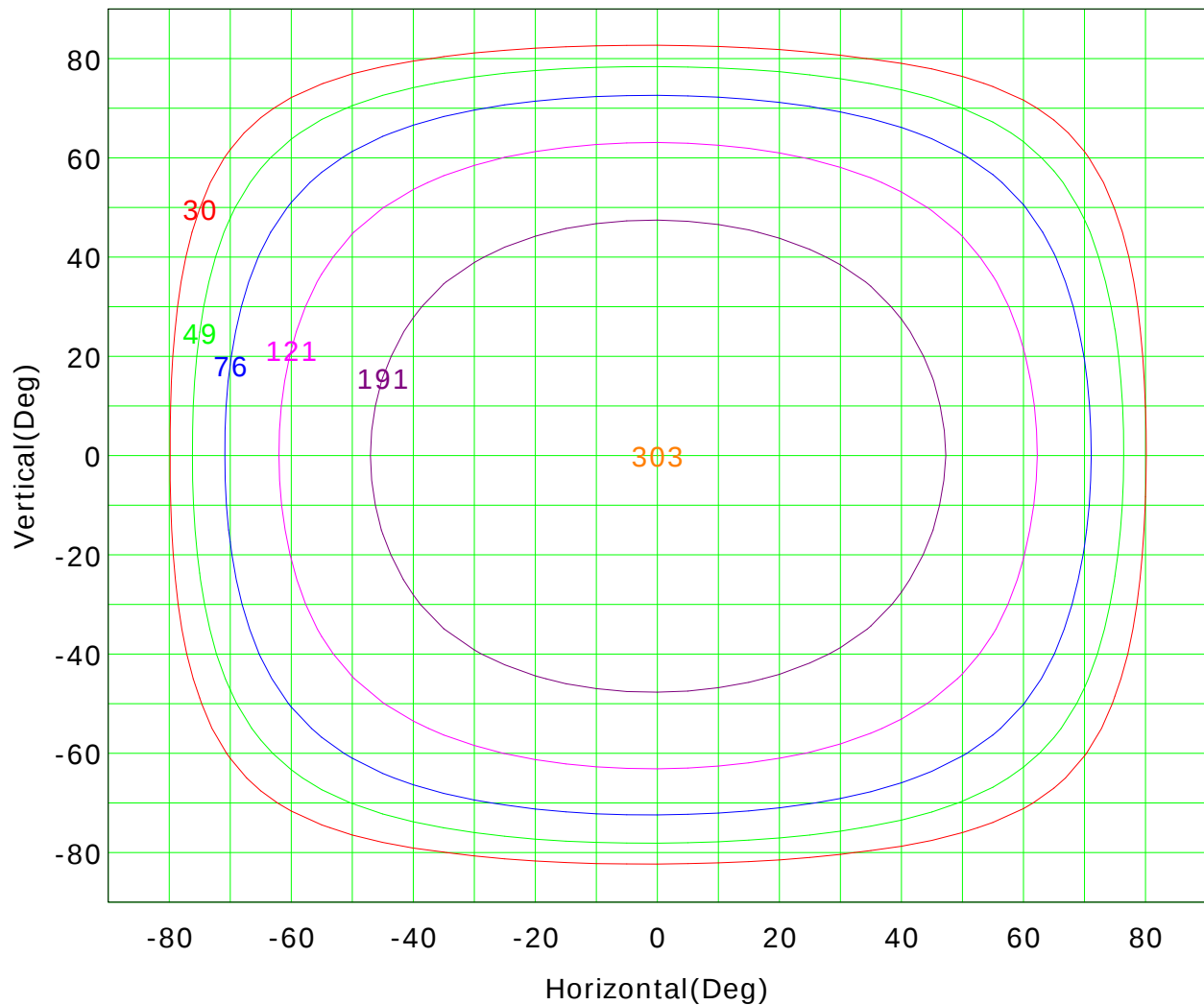
Luminous Intensity Distribution Curve(cd / klm)



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%): 303 cd

— (10%):	30 cd	— (16%):	49 cd
— (25%):	76 cd	— (40%):	121 cd
— (63%):	191 cd	— (100%):	303 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

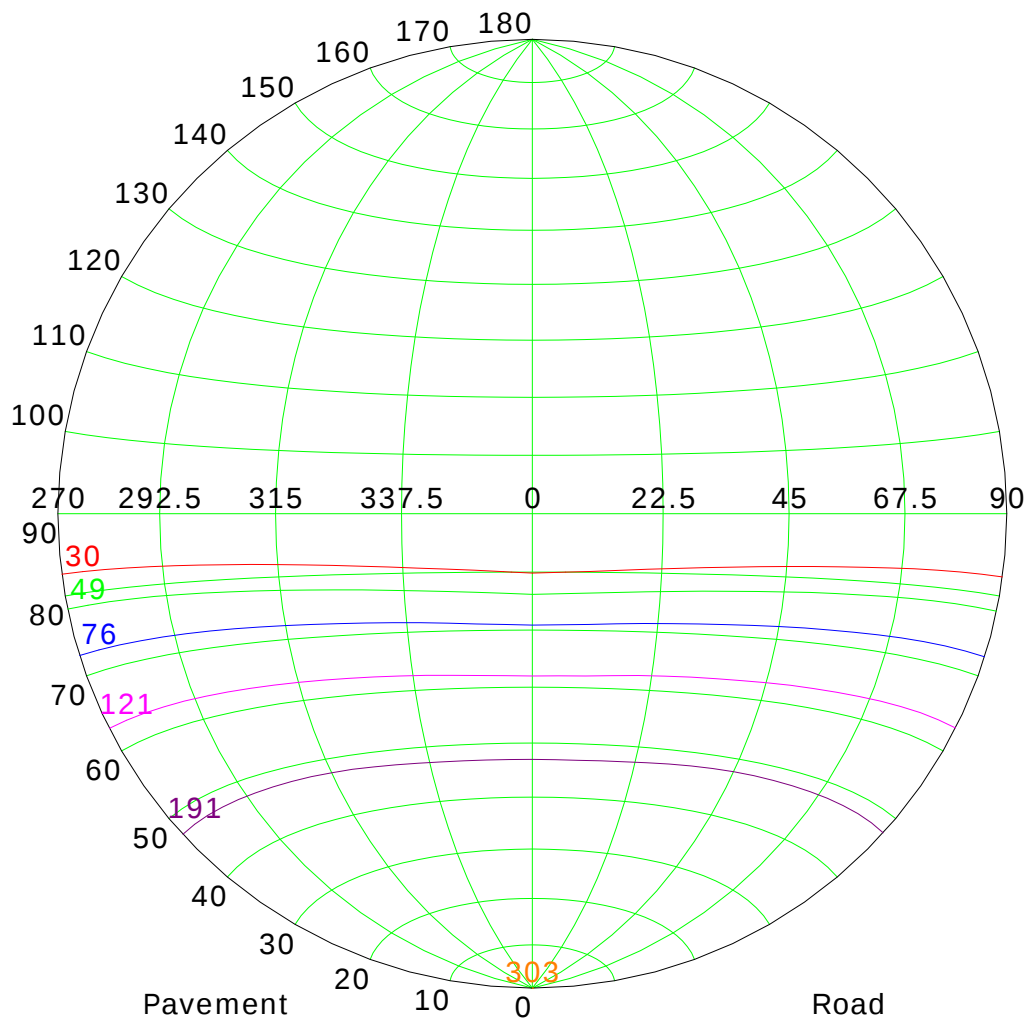
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 303 cd

(10%):	30 cd	(16%):	49 cd
(25%):	76 cd	(40%):	121 cd
(63%):	191 cd	(100%):	303 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

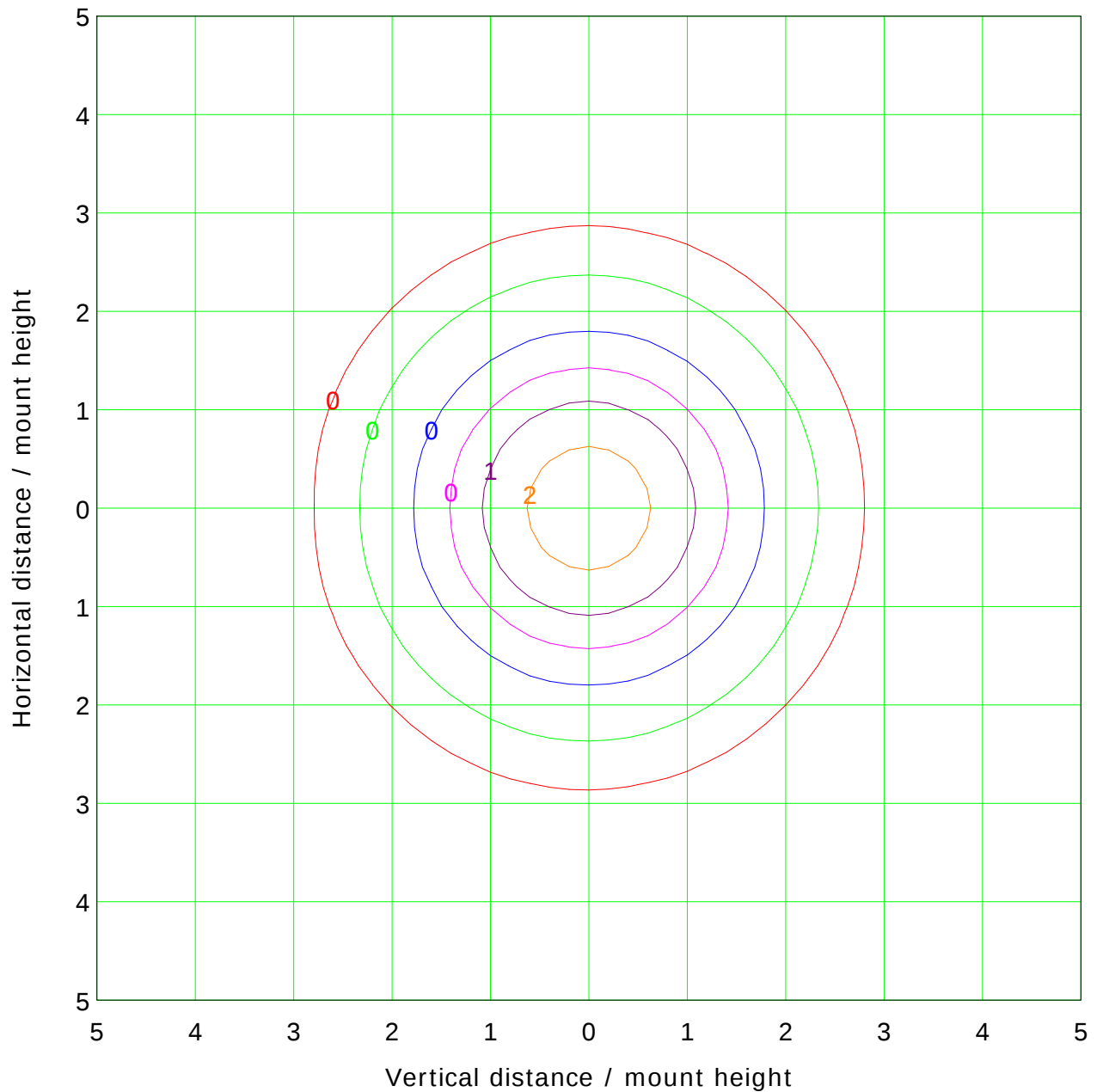
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.0 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%): 3.0 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

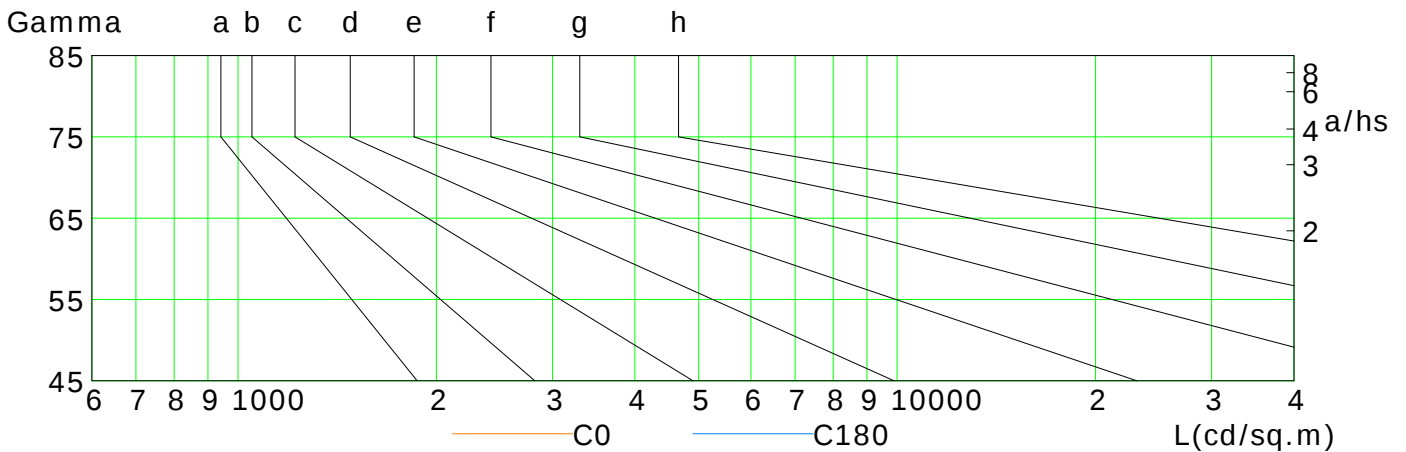
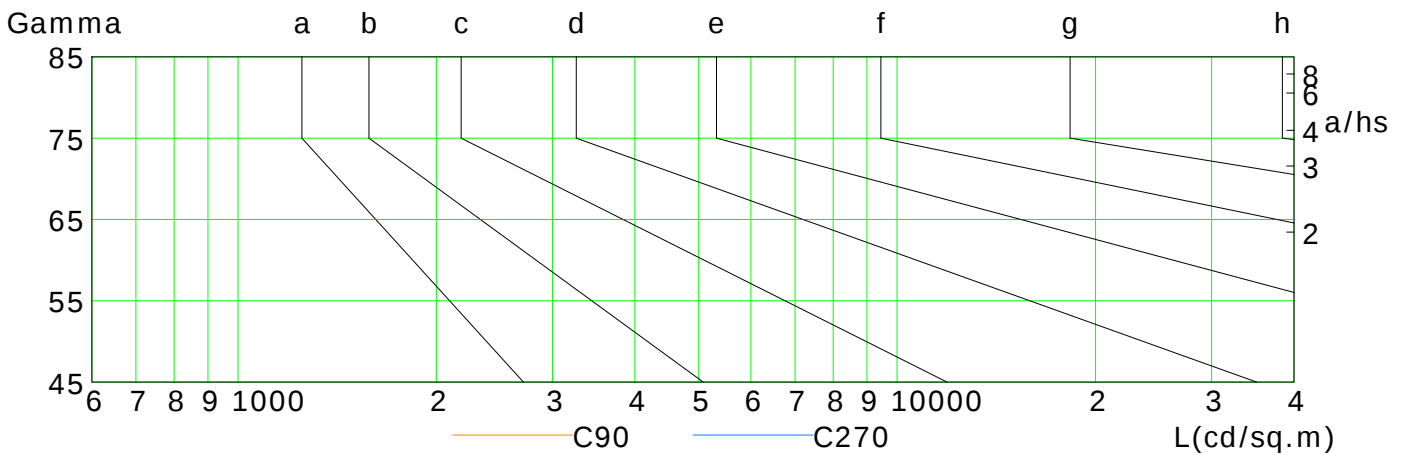
Humidity:

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	200	178	155	131	106	80	54	30	9
C90	202	182	160	136	112	88	63	40	20
C180	201	180	157	133	108	82	56	31	10
C270	201	181	159	136	112	88	64	41	21

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

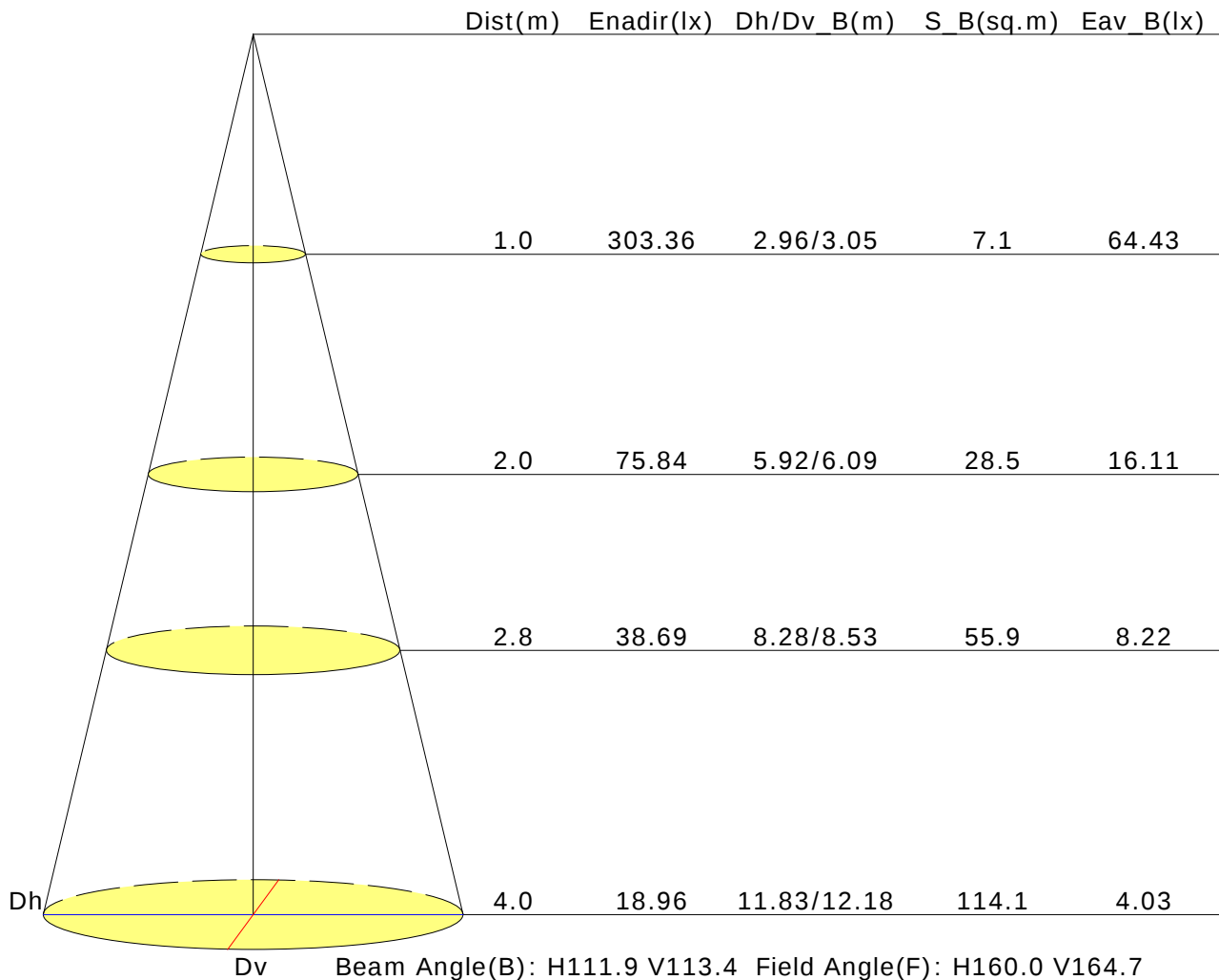
Test Device: GPM-2000

Distance: 7.970 m

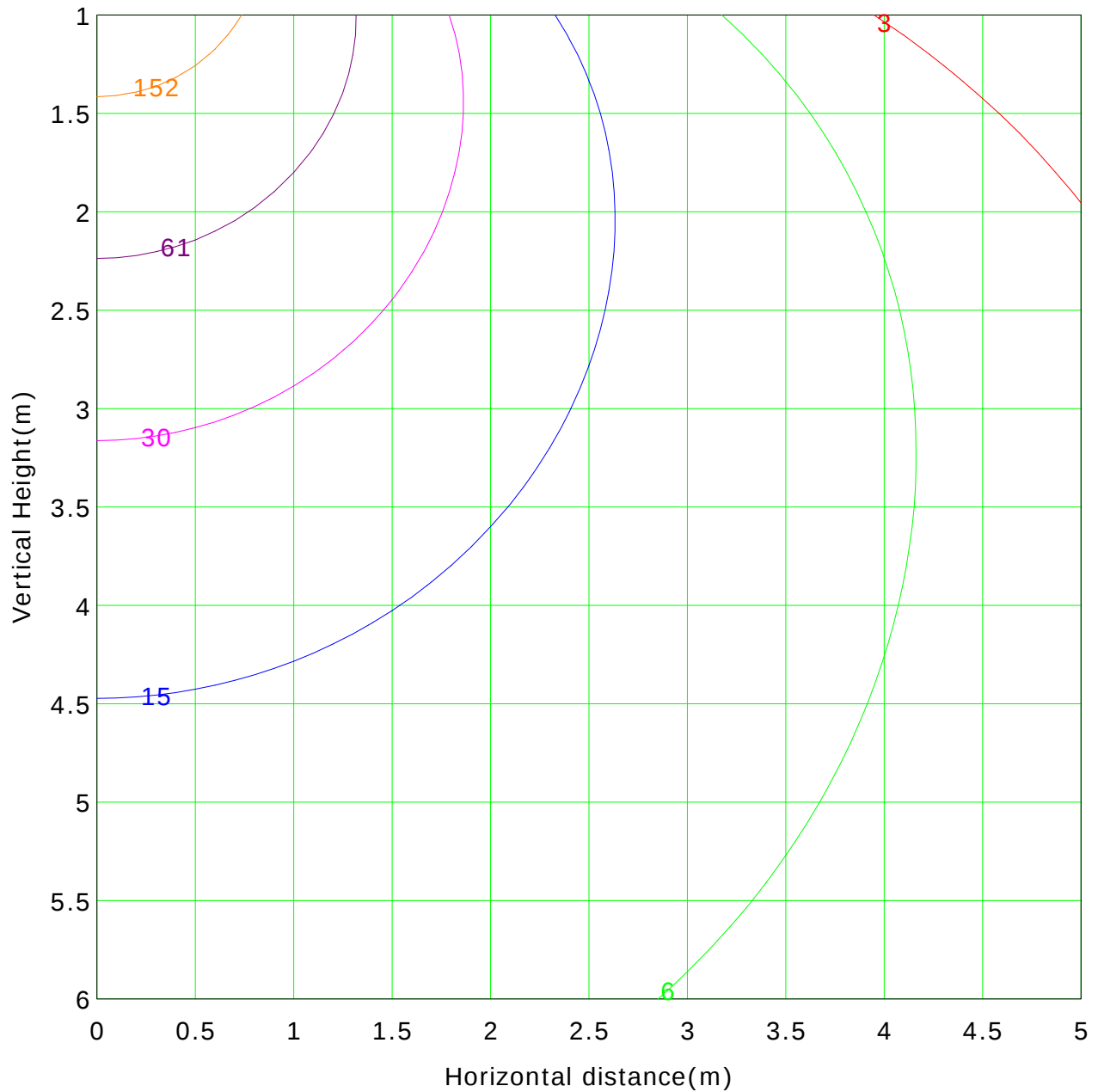
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 303.4 lx
(1%): 3.0 lx	(2%): 6.1 lx	
(5%): 15.2 lx	(10%): 30.3 lx	
(20%): 60.7 lx	(50%): 151.7 lx	
(100%): 303.4 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: