

Report No.:

Test Time: 14/09/2018 11:25

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-WL02-03 + LLD-03-FK

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.584 A

Power: 14.00 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1329.3 lm

Downward Ratio: 83.87%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 84.19%

Upward Ratio: 0.31%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.2, 130.1, 132.3, 132.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.7, 92.6, 105.1, 106.1

Luminaire Efficacy Rating (LER): 95.00

Central Intensity: 541.61 cd

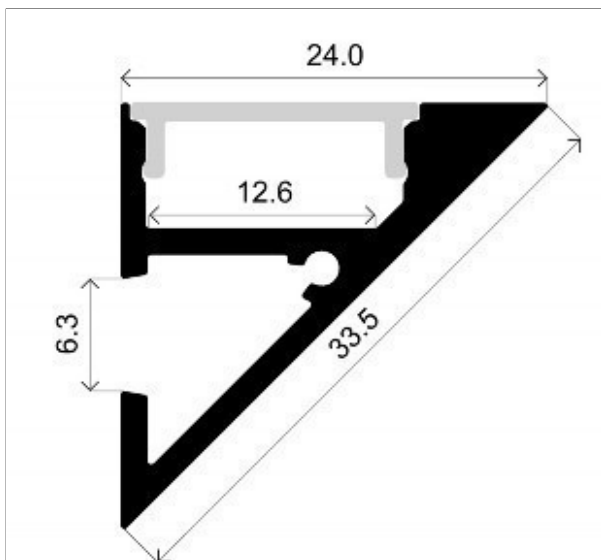
Max. Intensity: 541.86 cd

Pos of Max. Intensity: H180 V1

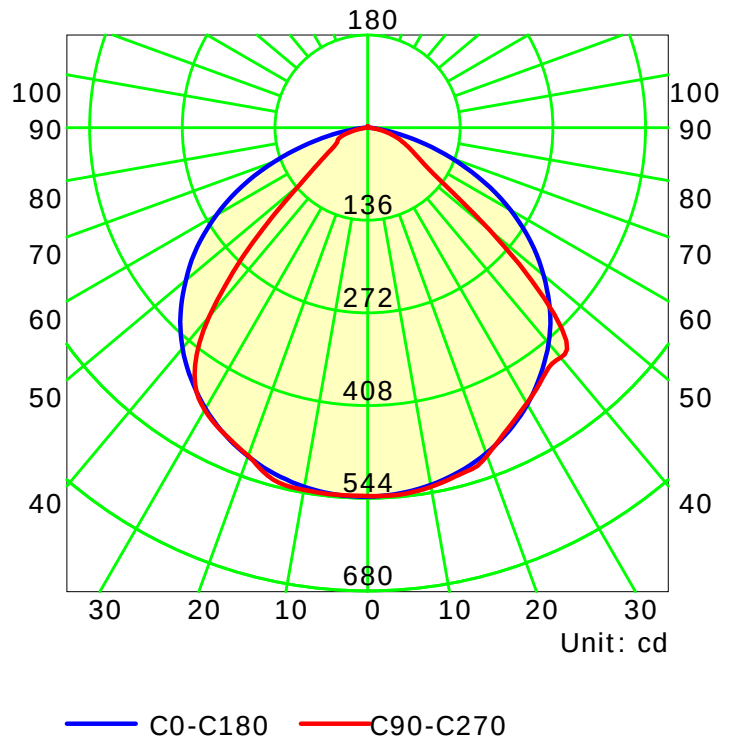
S/MH(C0/C180): 1.30

S/MH(C90/C270): 1.30

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

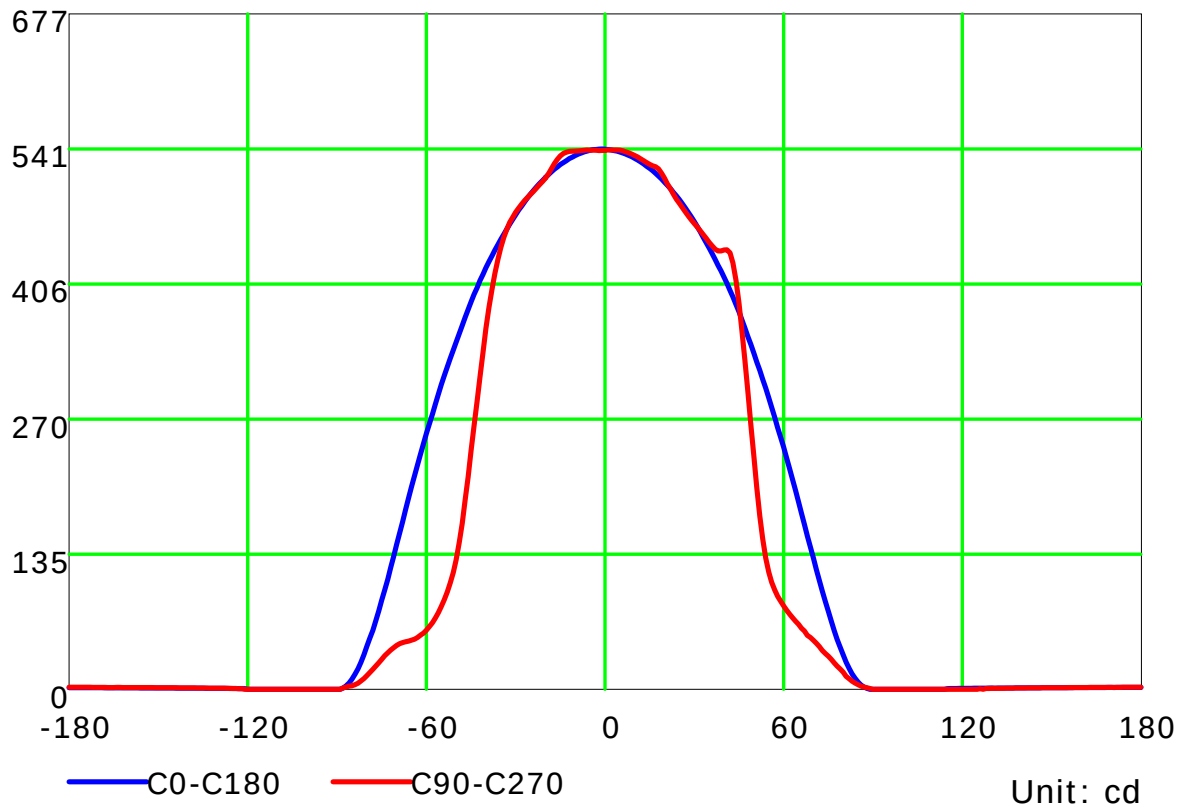
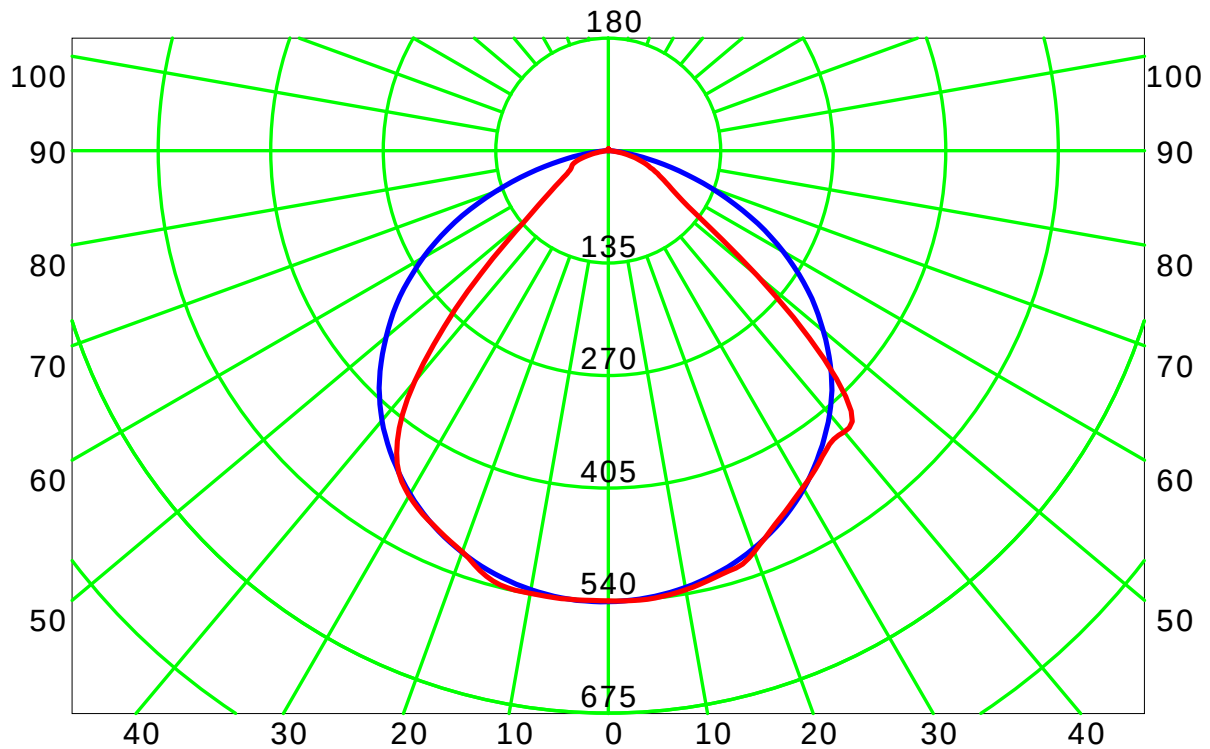
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

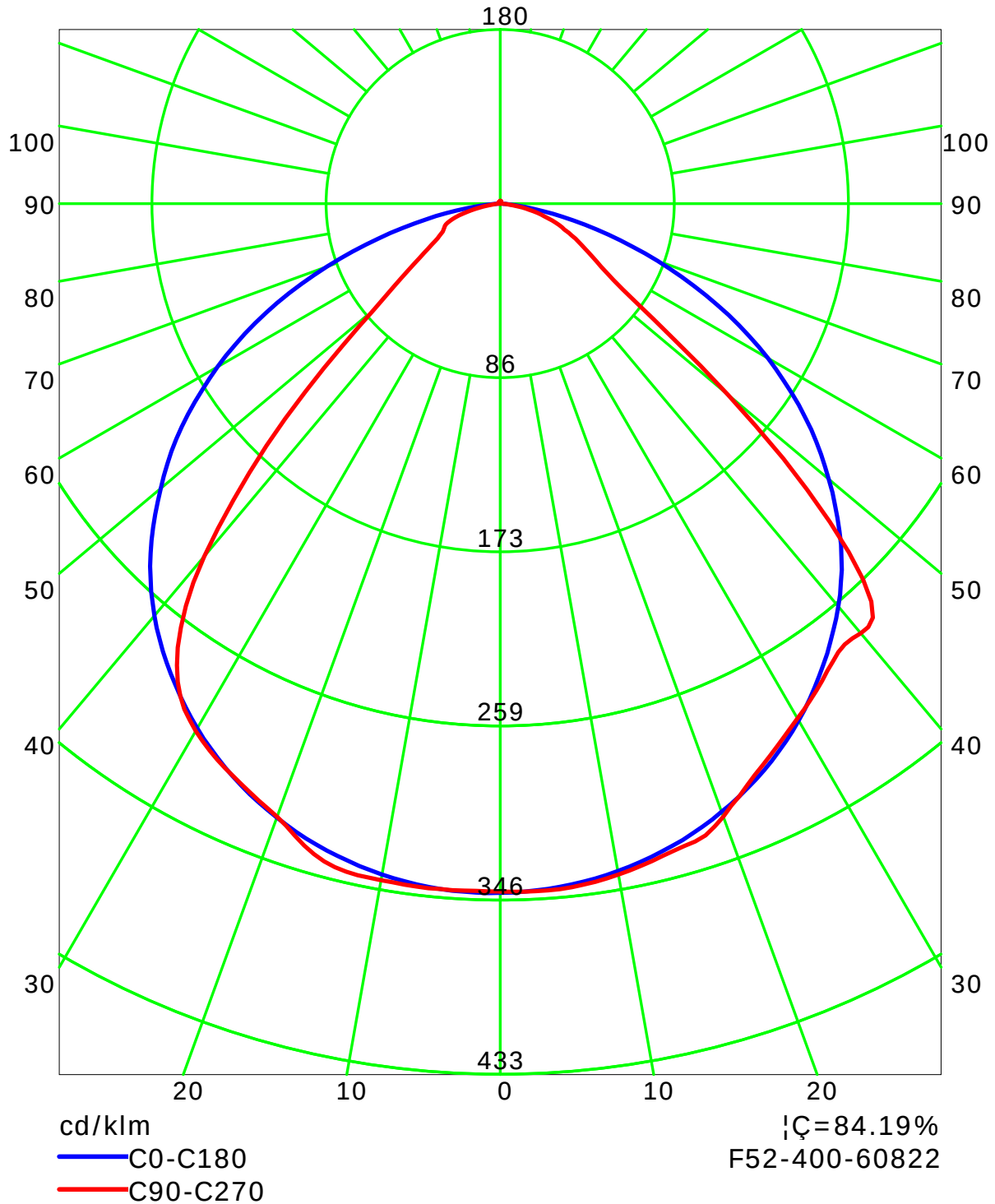
Luminous Intensity Distribution Curve



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:

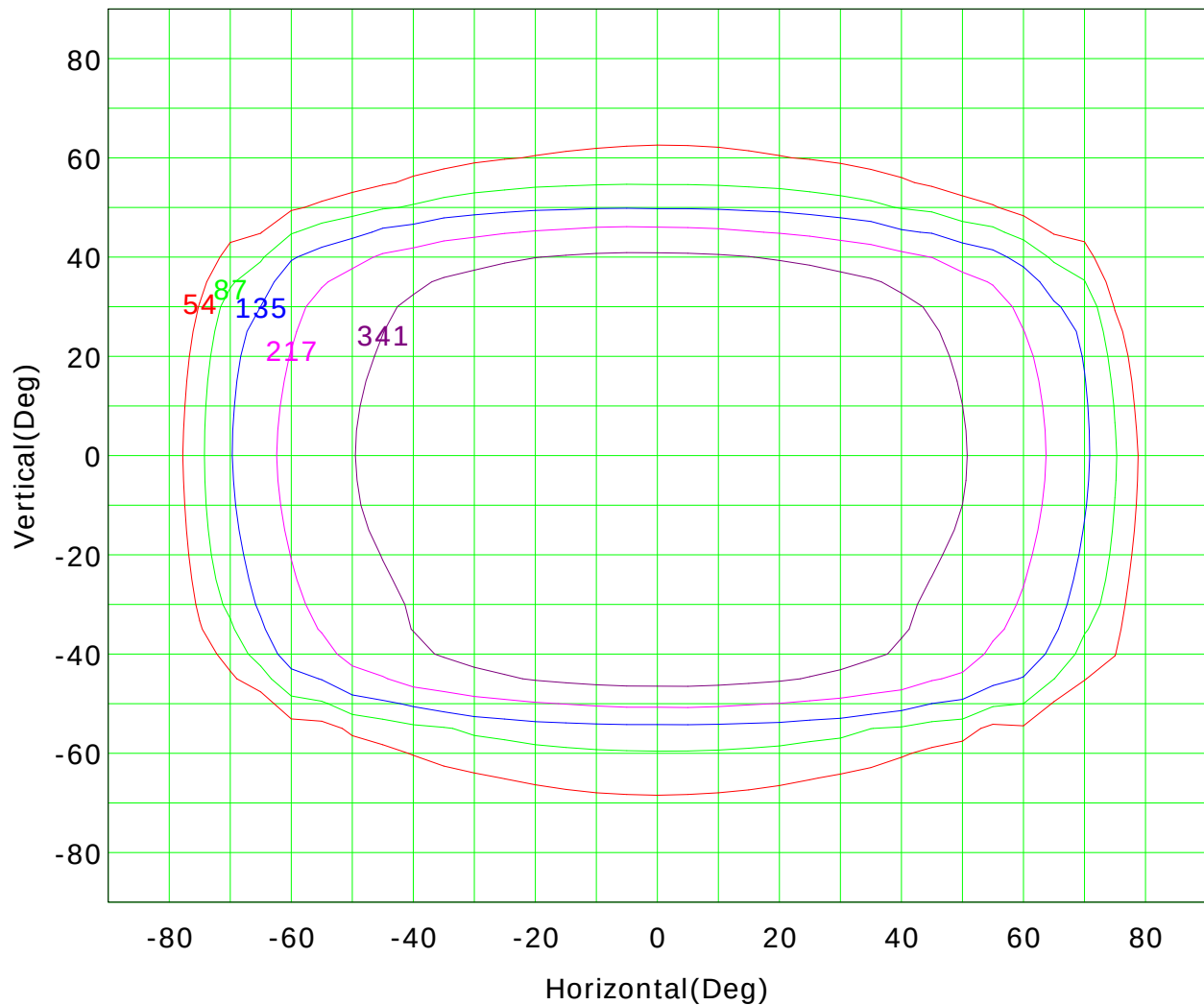
Luminous Intensity Distribution Curve(cd / klm)



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%): 542 cd

(10%):	54 cd	(16%):	87 cd
(25%):	135 cd	(40%):	217 cd
(63%):	341 cd	(100%):	542 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

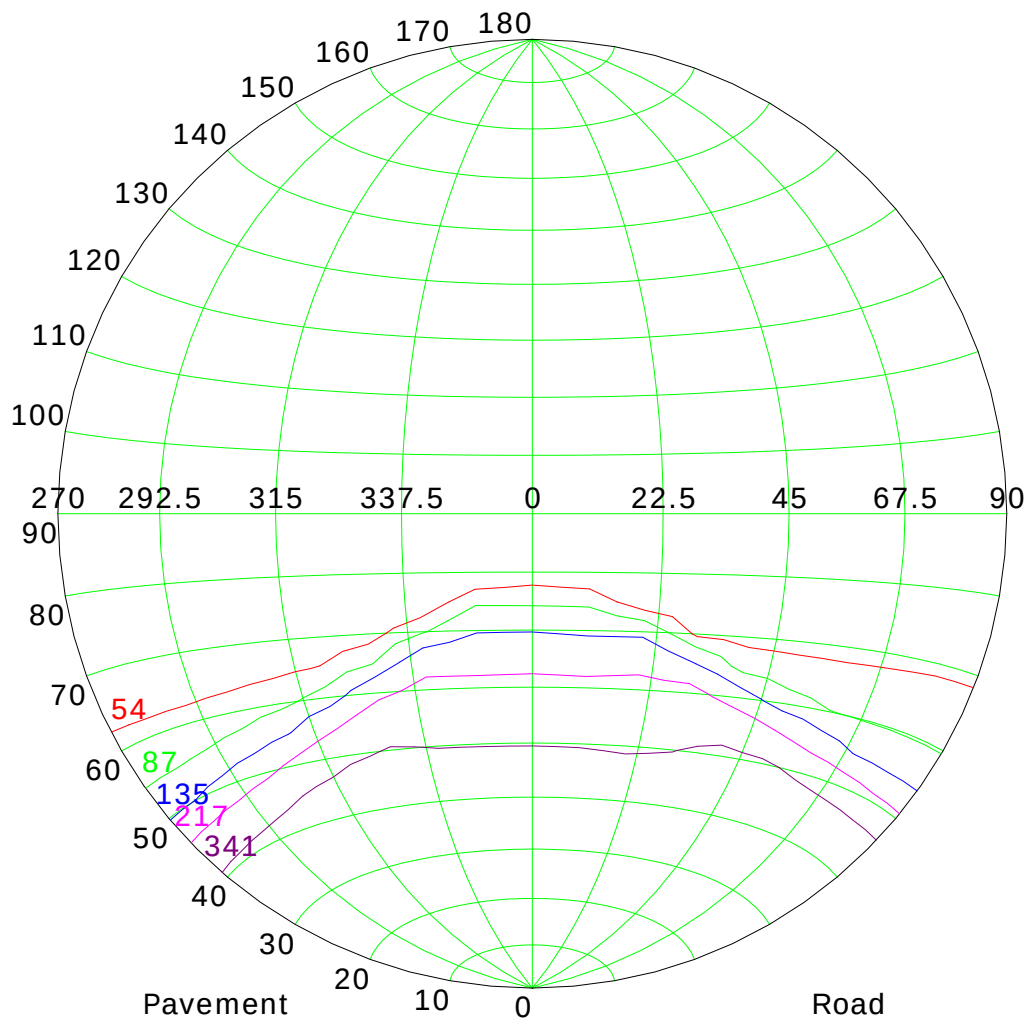
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 542 cd

(10%):	54 cd	(16%):	87 cd
(25%):	135 cd	(40%):	217 cd
(63%):	341 cd	(100%):	542 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

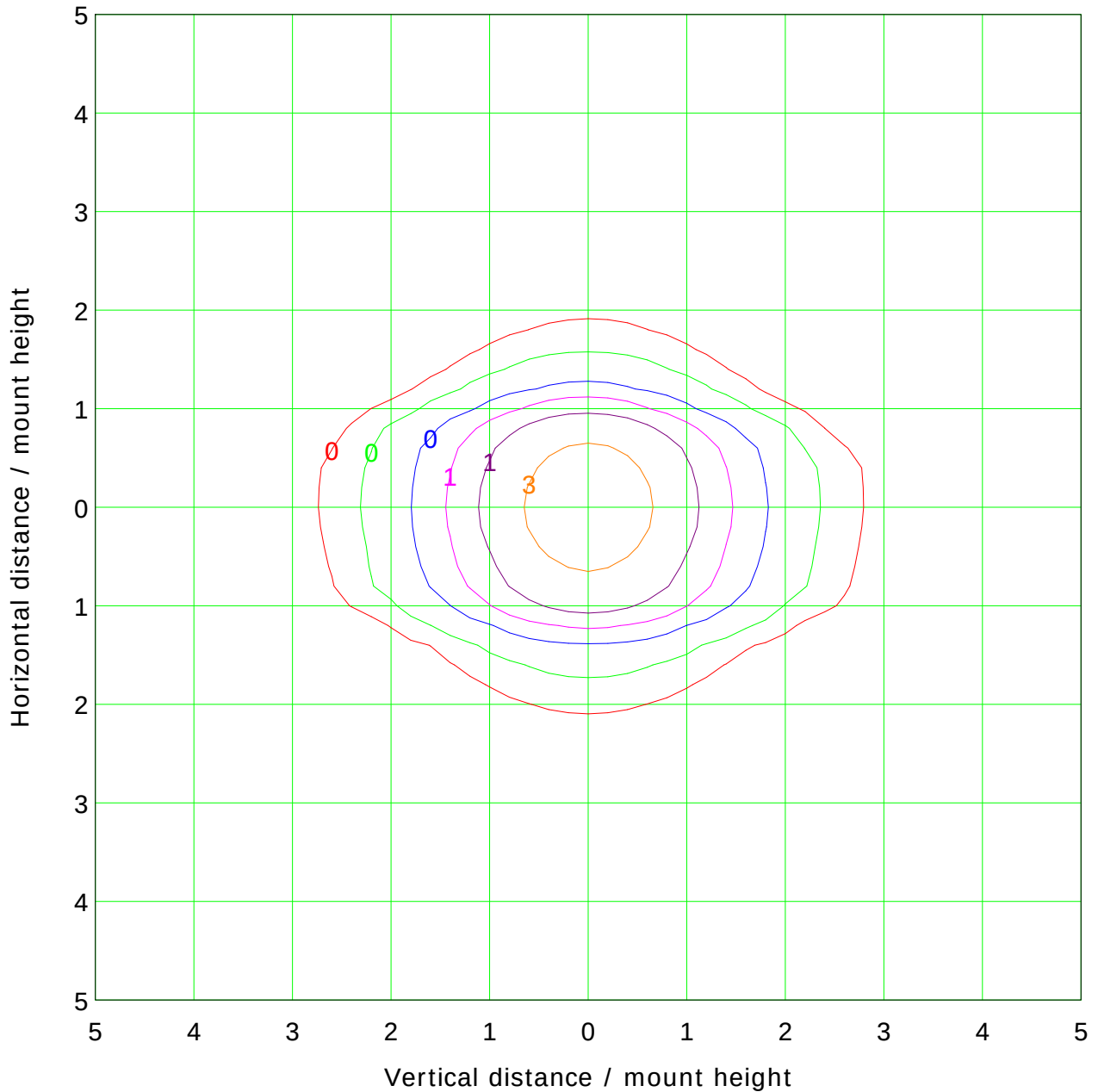
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 5.4 lx	
(1%):	0.1 lx	(2%):	0.1 lx
(5%):	0.3 lx	(10%):	0.5 lx
(20%):	1.1 lx	(50%):	2.7 lx
(100%):	5.4 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

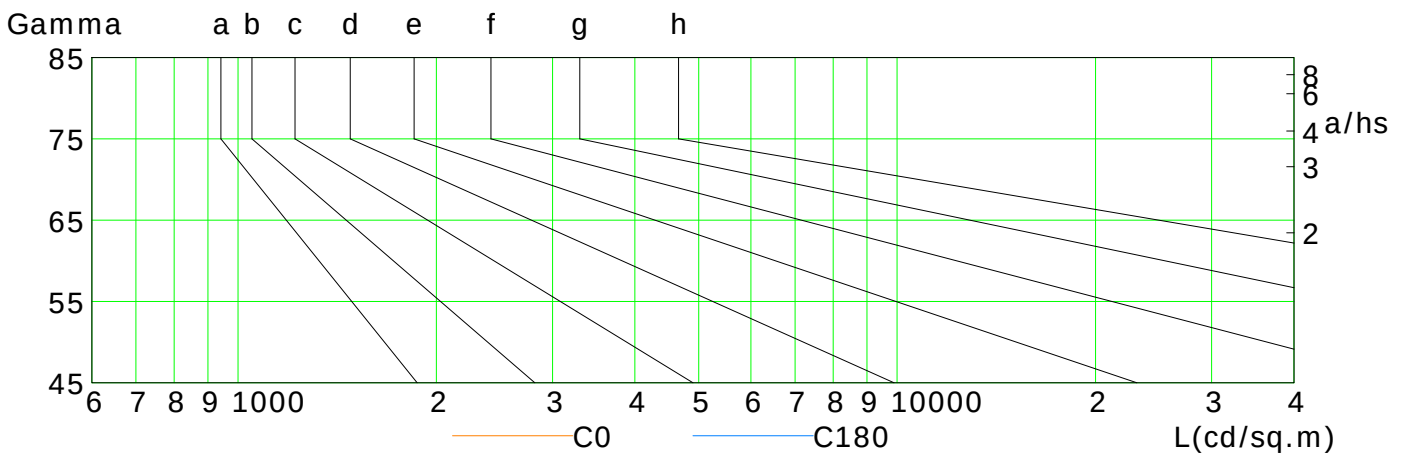
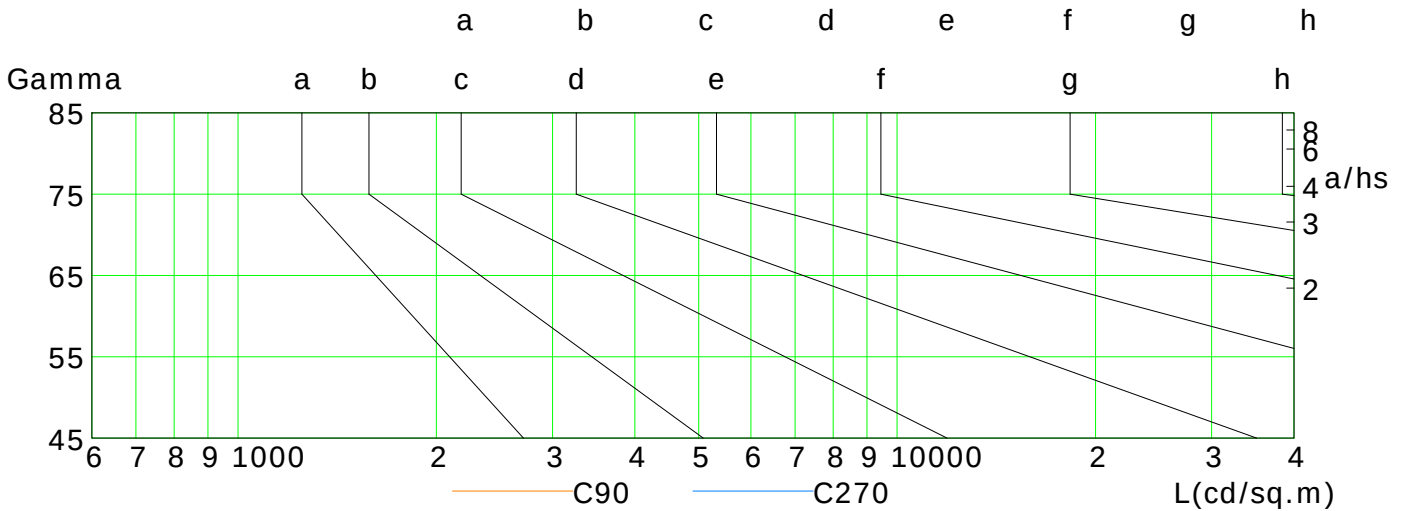
Distance: 7.970 m

Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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	379	337	292	243	188	132	78	35	7
C90	387	234	118	84	65	49	33	17	5
C180	389	348	305	257	203	145	89	43	10
C270	239	130	83	59	49	44	30	14	4

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

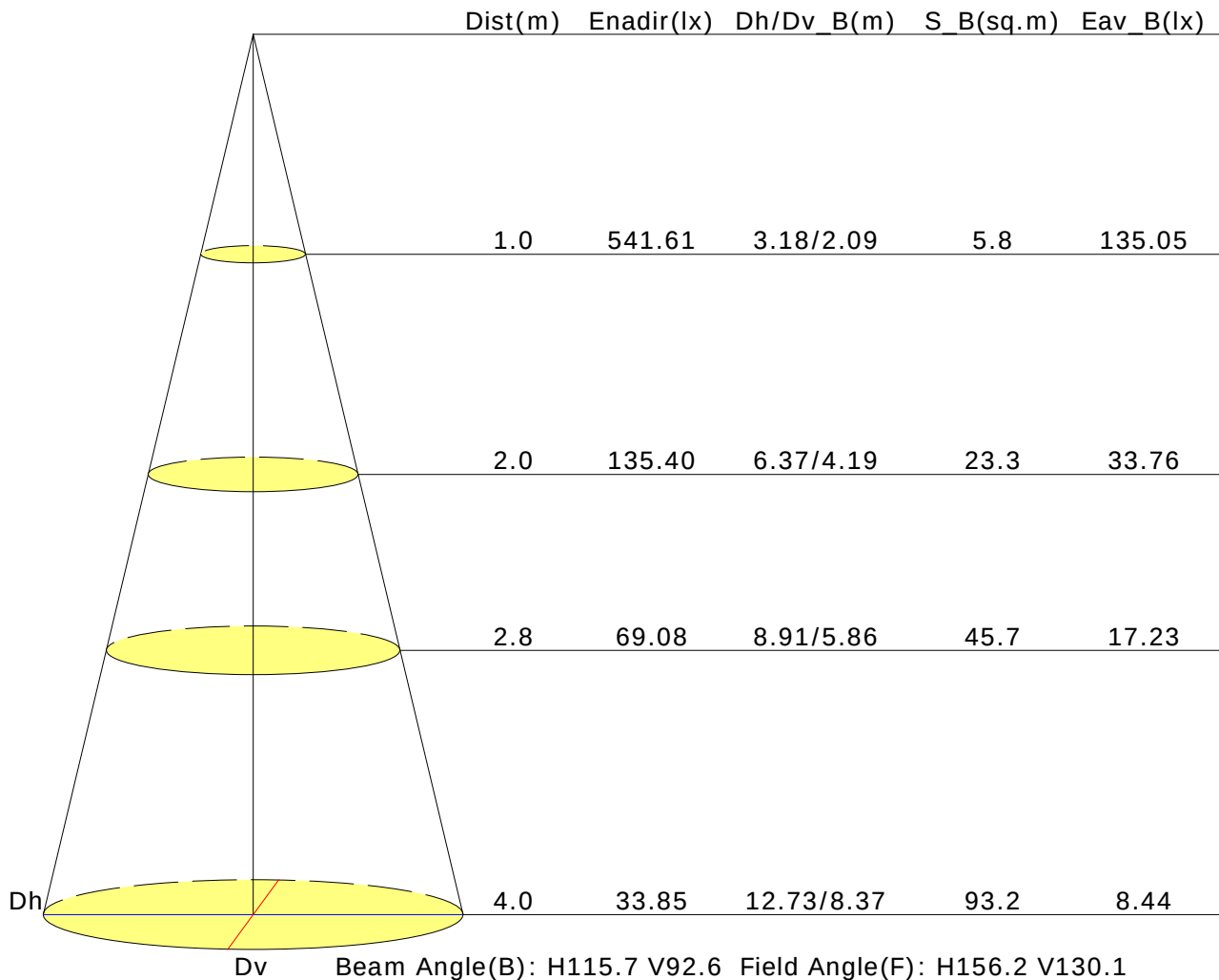
Test Device: GPM-2000

Distance: 7.970 m

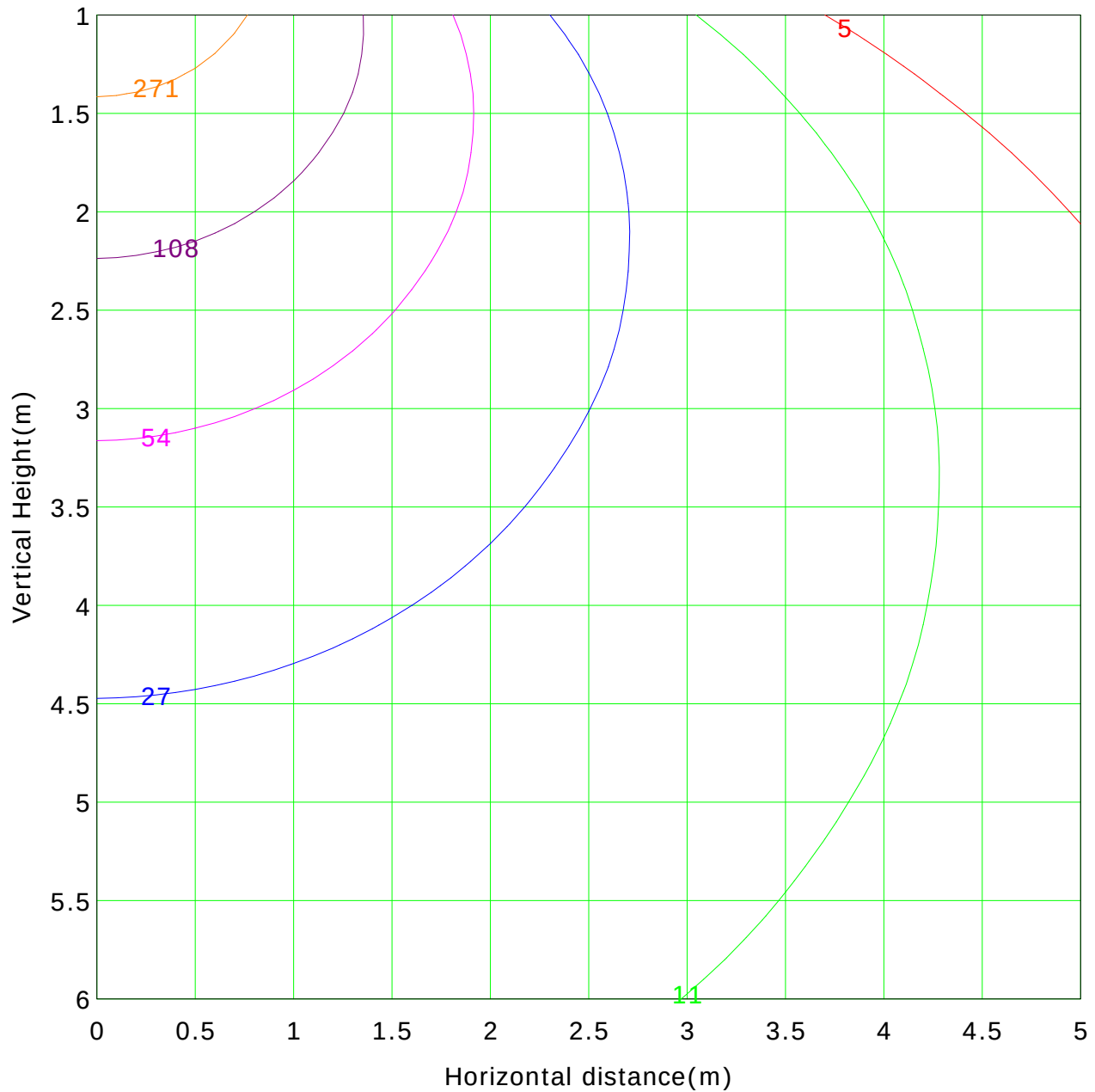
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 6.0m Max Lux: 541.6 lx

(1%): 5.4 lx	(2%): 10.8 lx
(5%): 27.1 lx	(10%): 54.2 lx
(20%): 108.3 lx	(50%): 270.8 lx
(100%): 541.6 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:

Report No.:

Test Time: 14/09/2018 10:26

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-WL02-03 + LLD-03-FH

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.581 A

Power: 13.95 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1249.1 lm

Downward Ratio: 78.84%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 79.11%

Upward Ratio: 0.26%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.0, 146.9, 149.8, 149.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 102.6, 88.4, 95.0, 95.2

Luminaire Efficacy Rating (LER): 89.59

Central Intensity: 539.68 cd

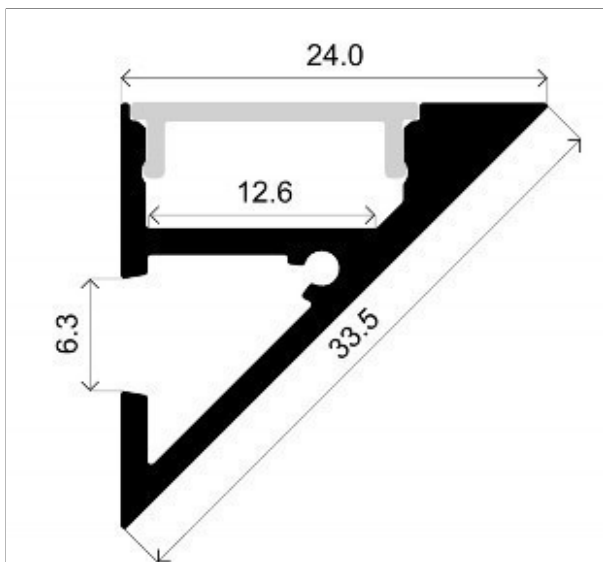
Max. Intensity: 539.85 cd

Pos of Max. Intensity: H0 V1

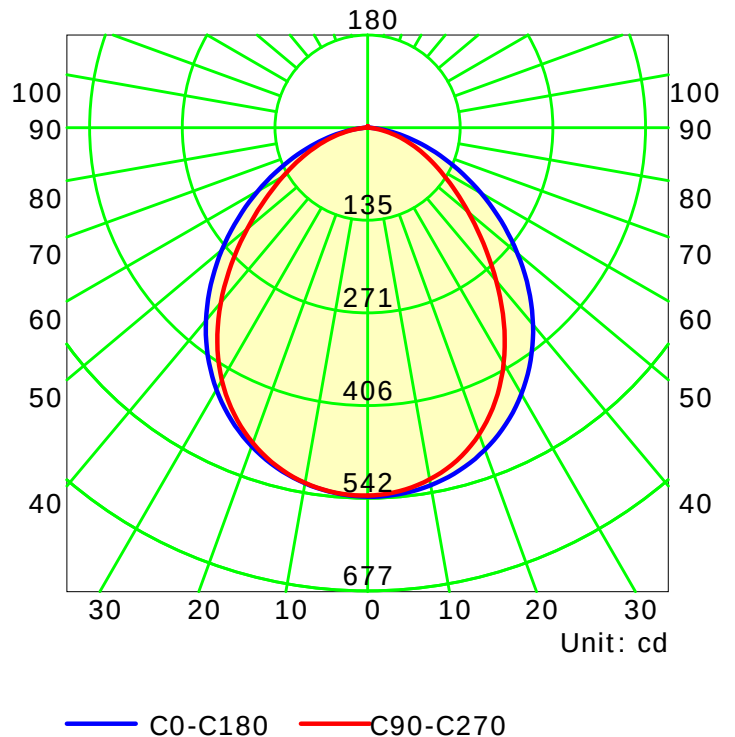
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.15

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

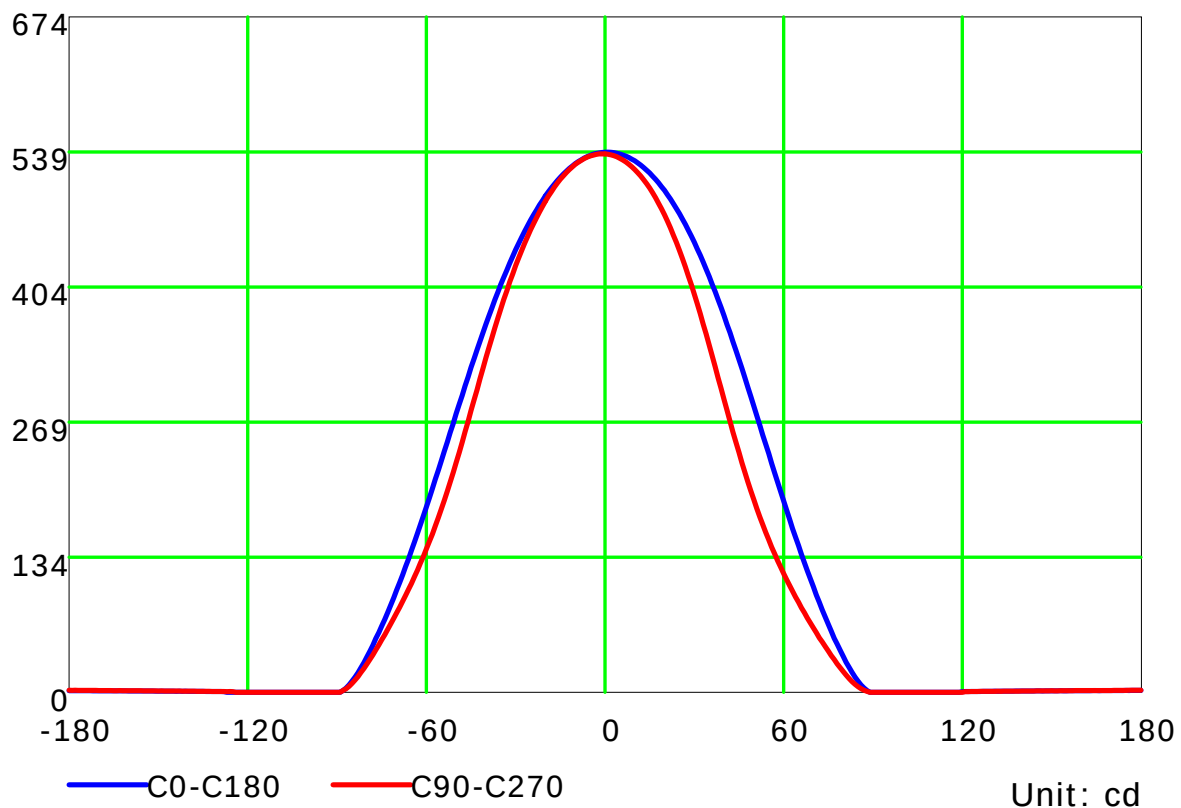
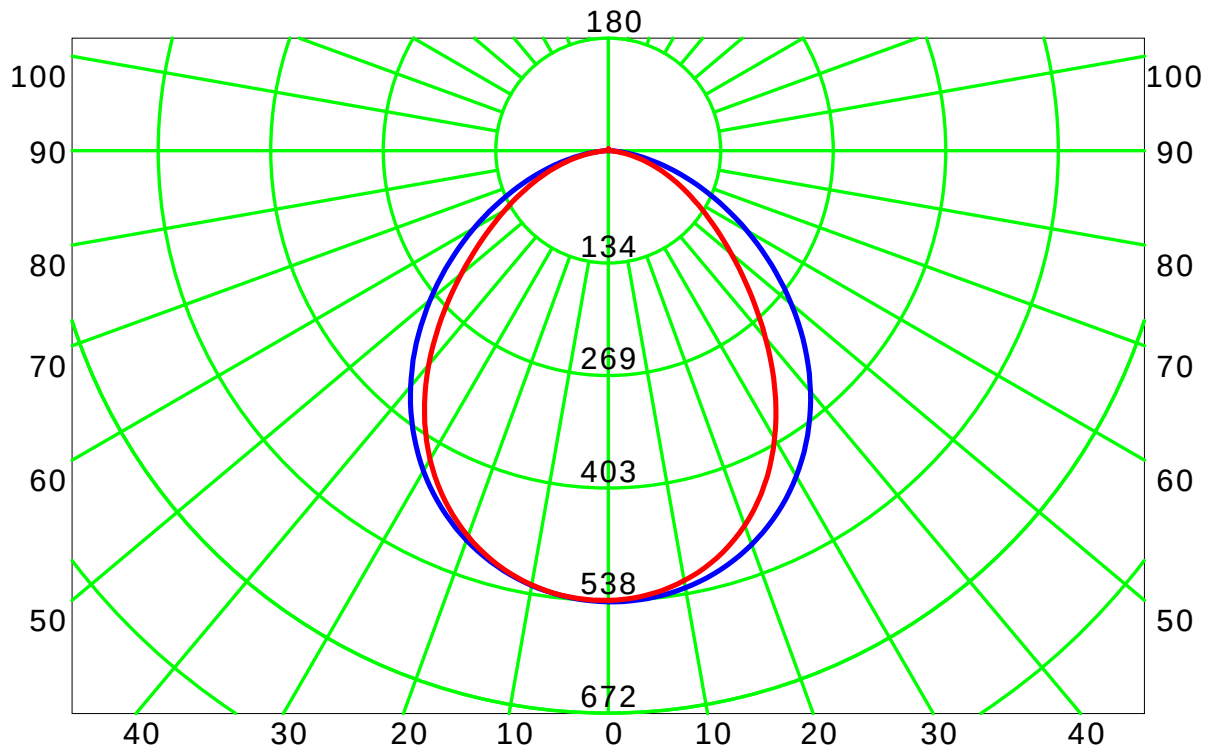
Test Device: GPM-2000

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

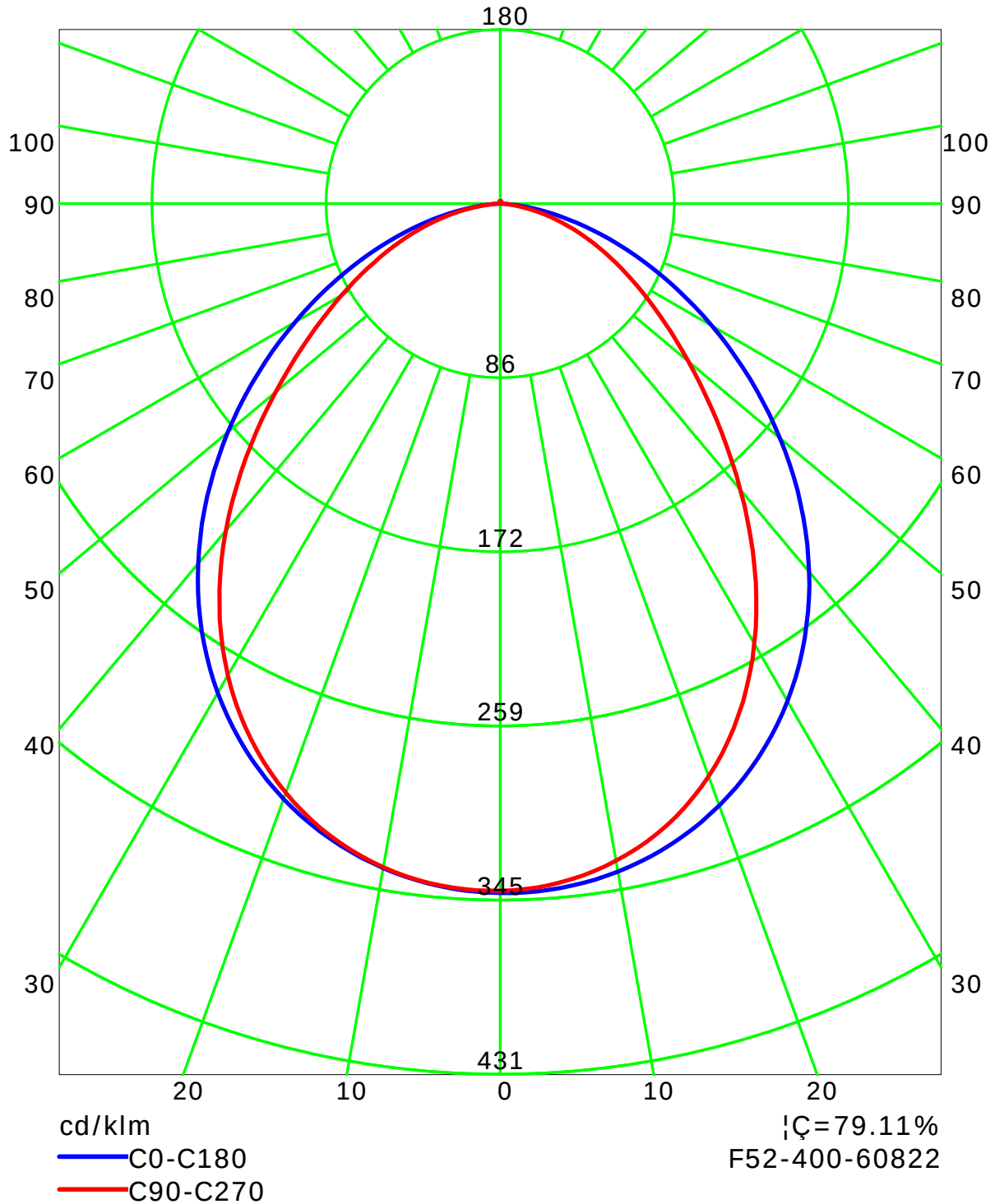
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

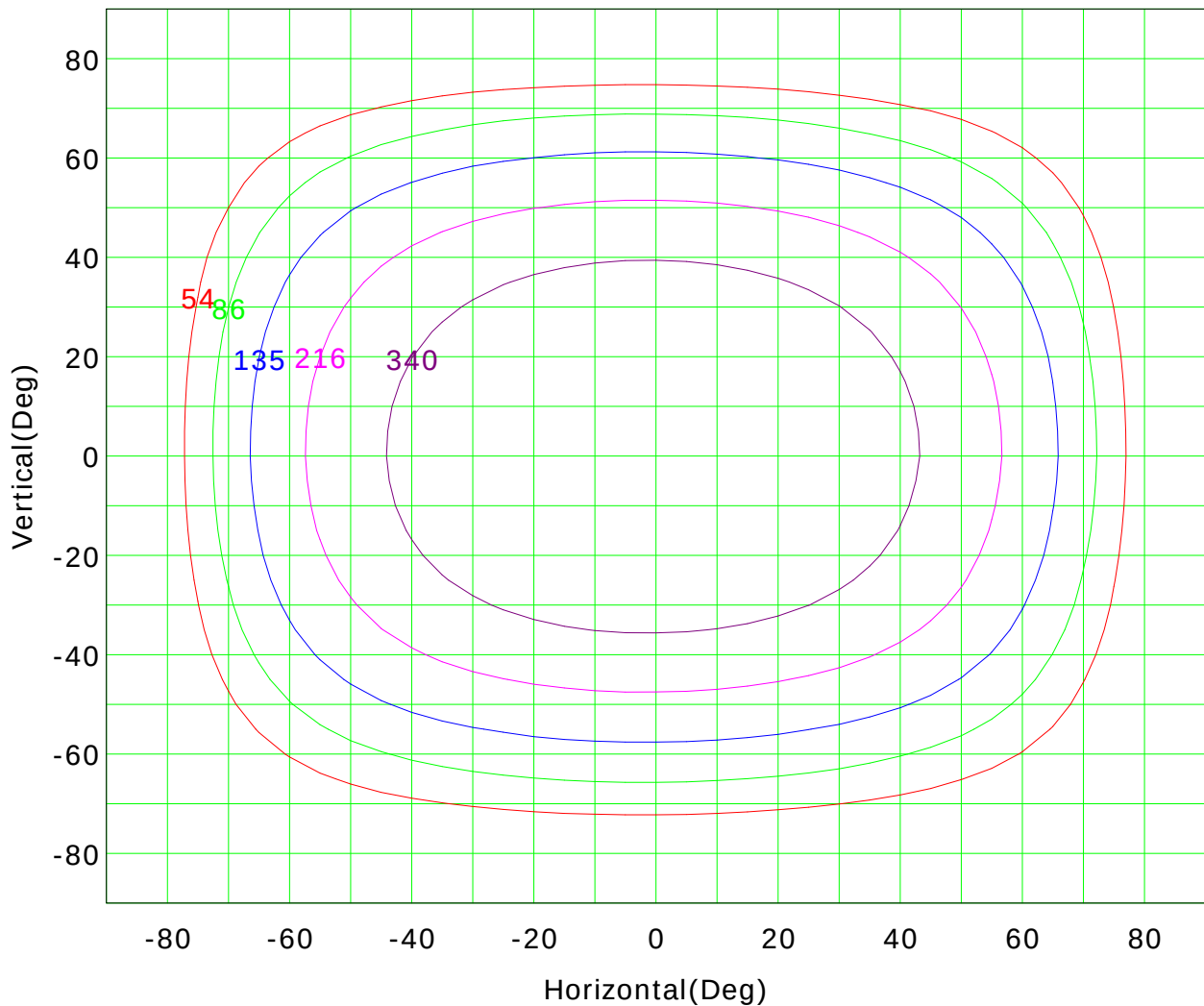
Luminous Intensity Distribution Curve(cd / klm)



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%): 540 cd

(10%):	54 cd	(16%):	86 cd
(25%):	135 cd	(40%):	216 cd
(63%):	340 cd	(100%):	540 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

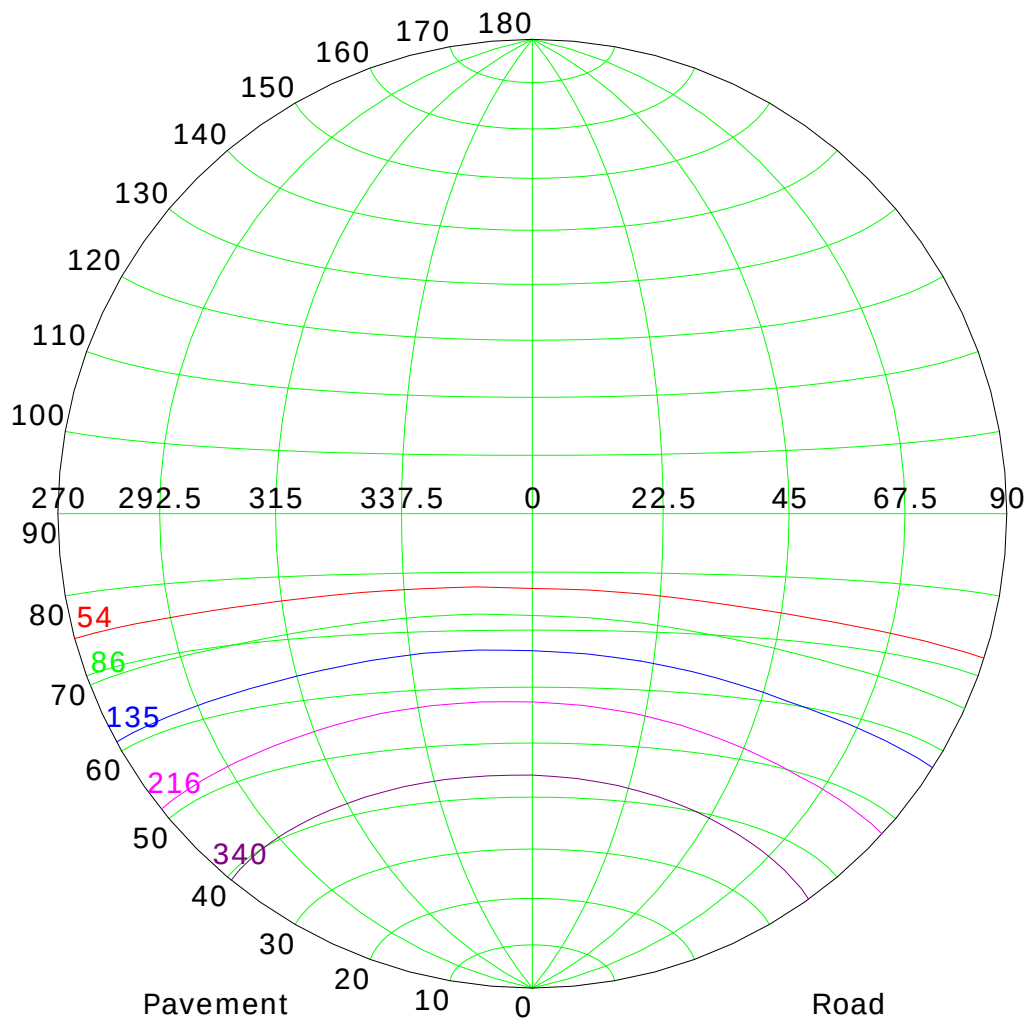
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 540 cd

(10%):	54 cd	(16%):	86 cd
(25%):	135 cd	(40%):	216 cd
(63%):	340 cd	(100%):	540 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

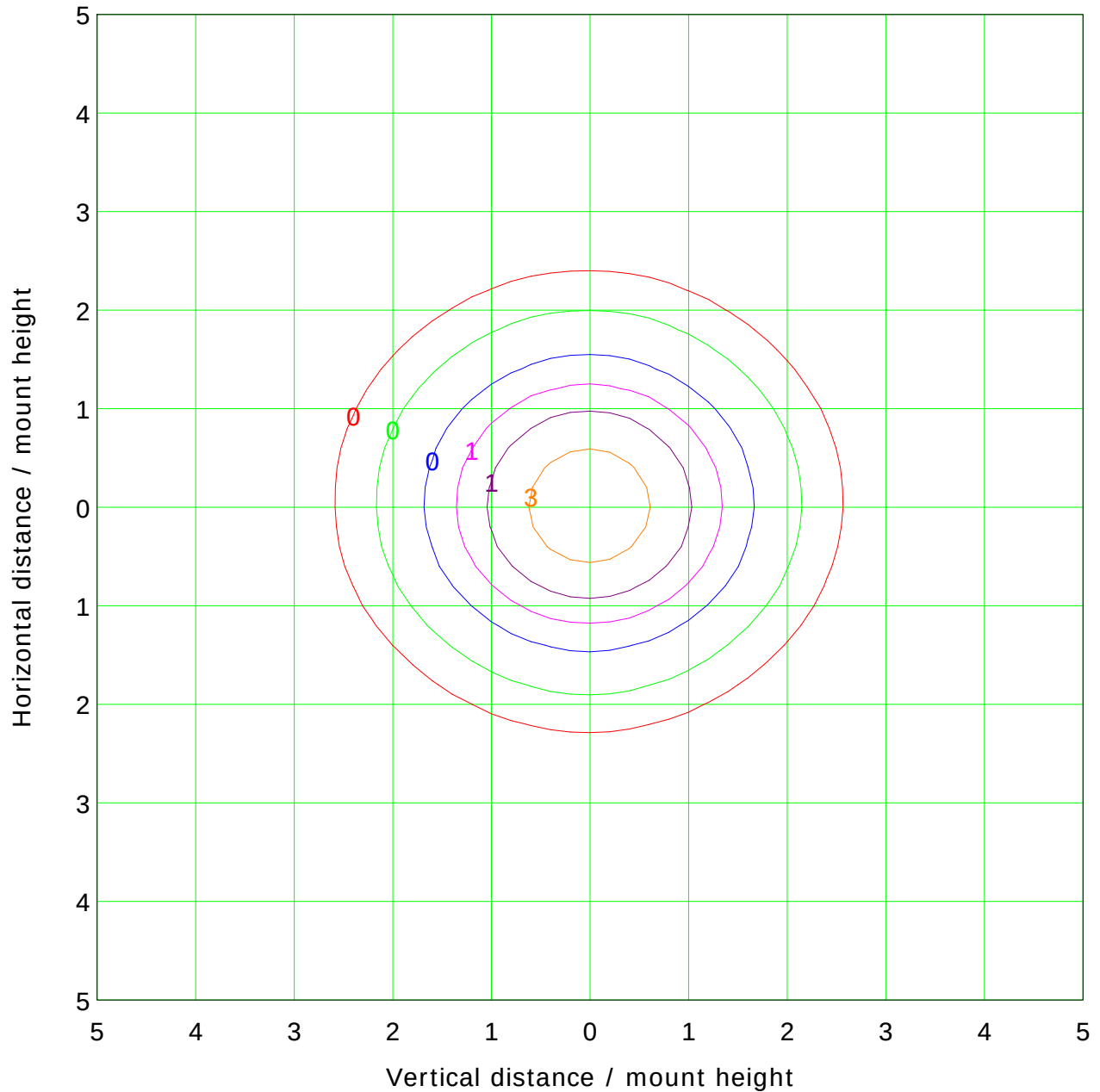
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 5.4 lx

(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.5 lx
(20%): 1.1 lx	(50%): 2.7 lx
(100%): 5.4 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

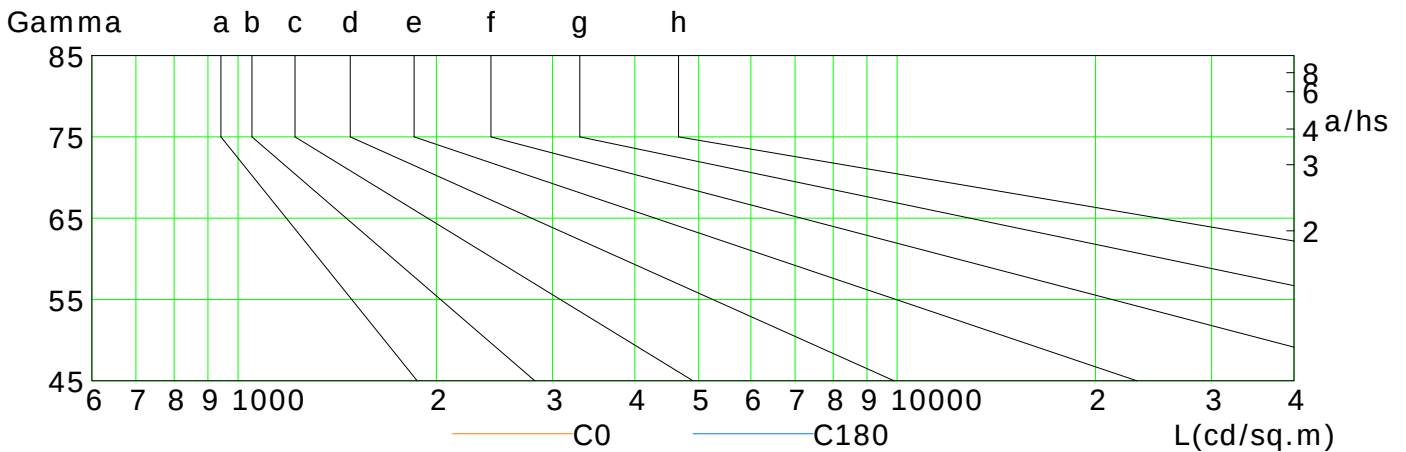
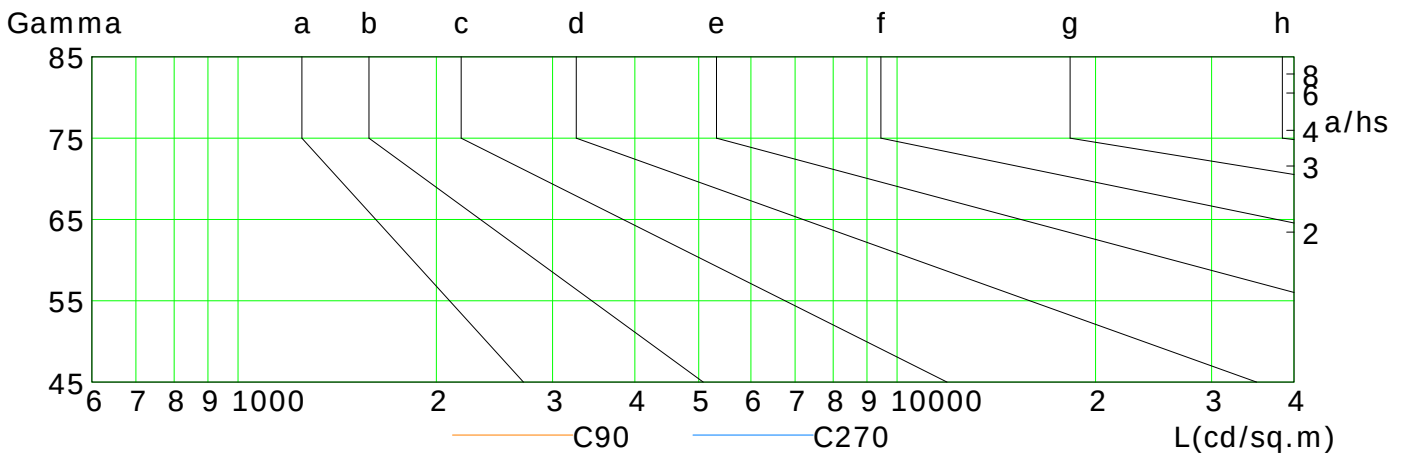
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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	333	286	239	191	147	105	68	36	11
C90	240	192	153	119	90	64	41	21	6
C180	325	278	231	185	142	102	66	35	11
C270	282	230	183	143	109	79	53	28	9

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

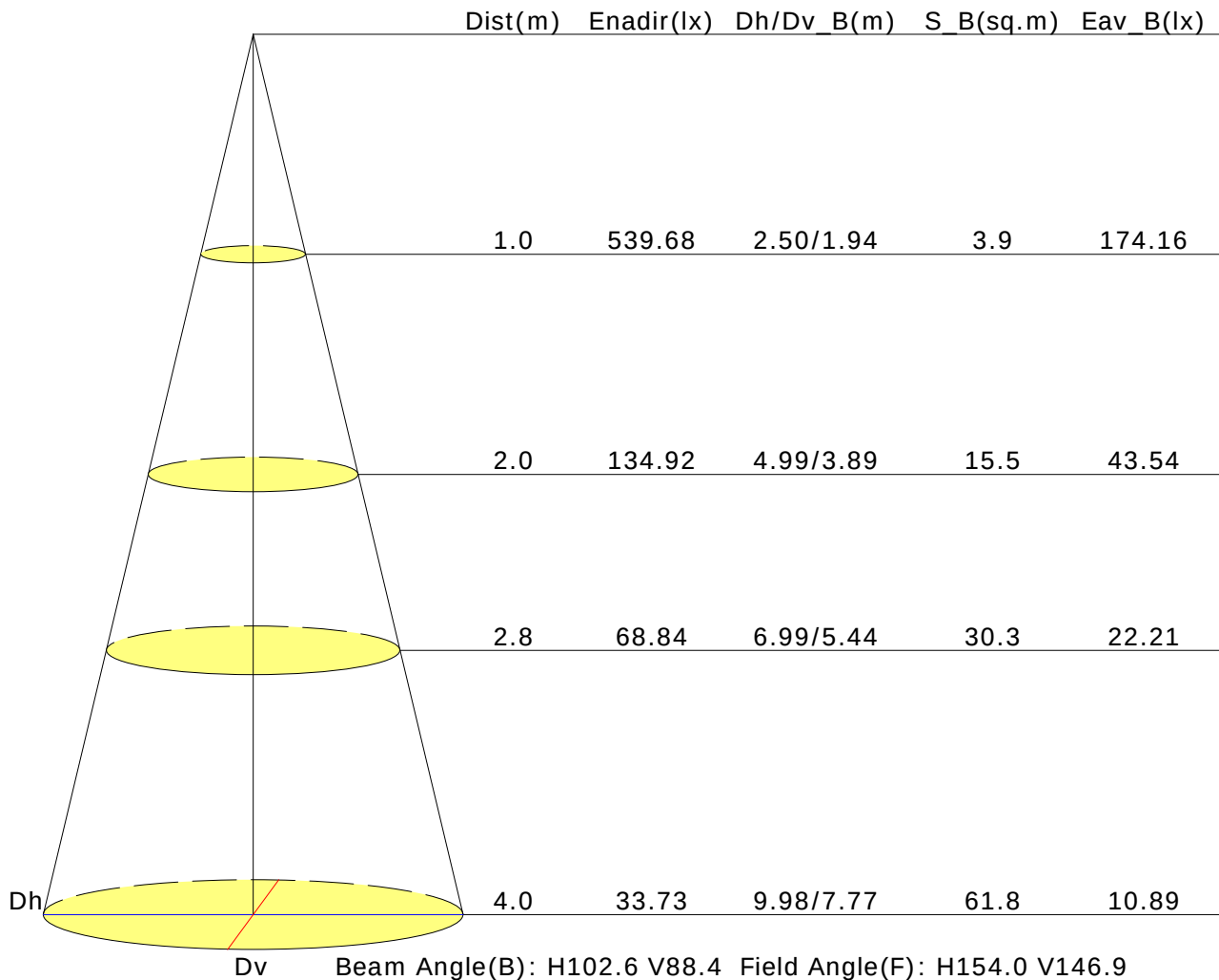
Test Device: GPM-2000

Distance: 7.970 m

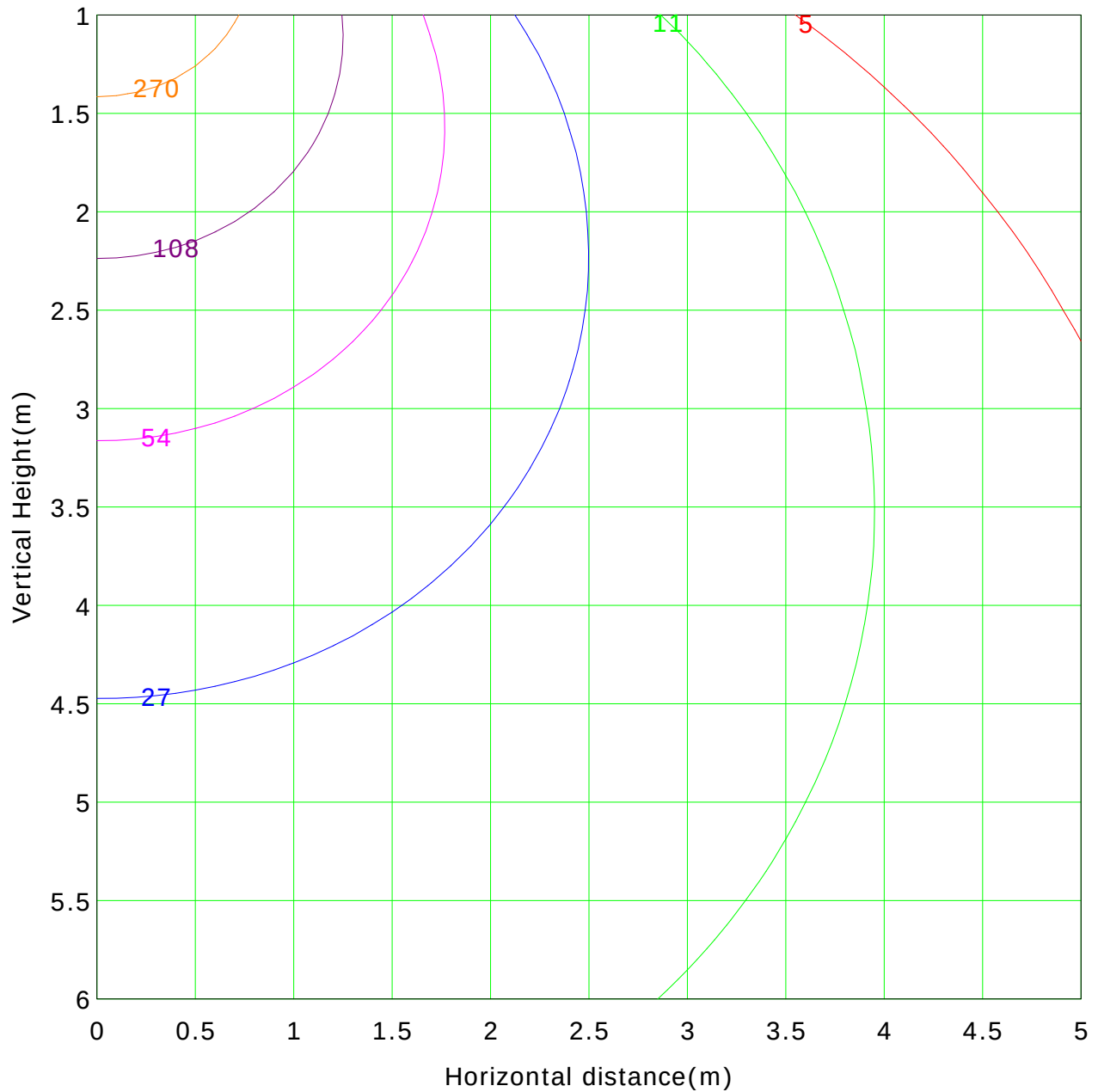
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 6.0m Max Lux: 539.7 lx

(1%): 5.4 lx	(2%): 10.8 lx
(5%): 27.0 lx	(10%): 54.0 lx
(20%): 107.9 lx	(50%): 269.8 lx
(100%): 539.7 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:

Report No.:

Test Time: 13/09/2018 16:07

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-WL02-03 + LLD-03-FM

Lamp Description: F52-400-60822

Voltage: 24.0 V

Power: 14.11 W

Lumens per Lamp: 1579 lm

Current: 0.588 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1059.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 162.0, 161.3, 161.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.2, 112.0, 112.2, 112.3

Luminaire Efficacy Rating (LER): 75.14

Max. Intensity: 371.3 cd

S/MH(C0/C180): 1.25

Total Rated Lamp Lumens: 1059.5 lm

Efficiency: 100%

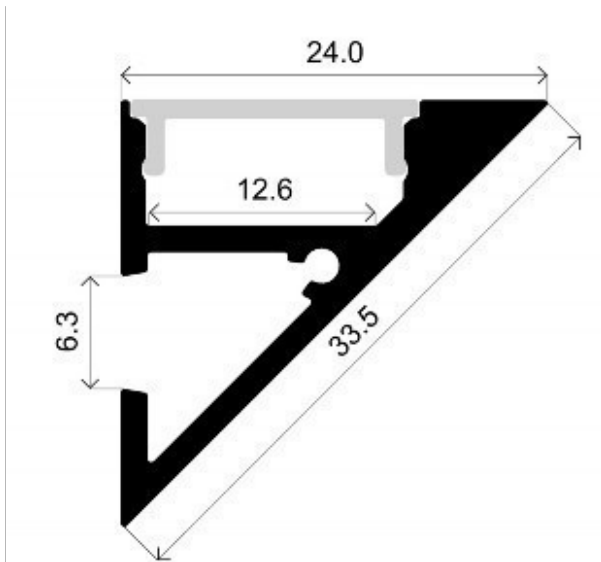
Upward Ratio: 0%

Central Intensity: 371.29 cd

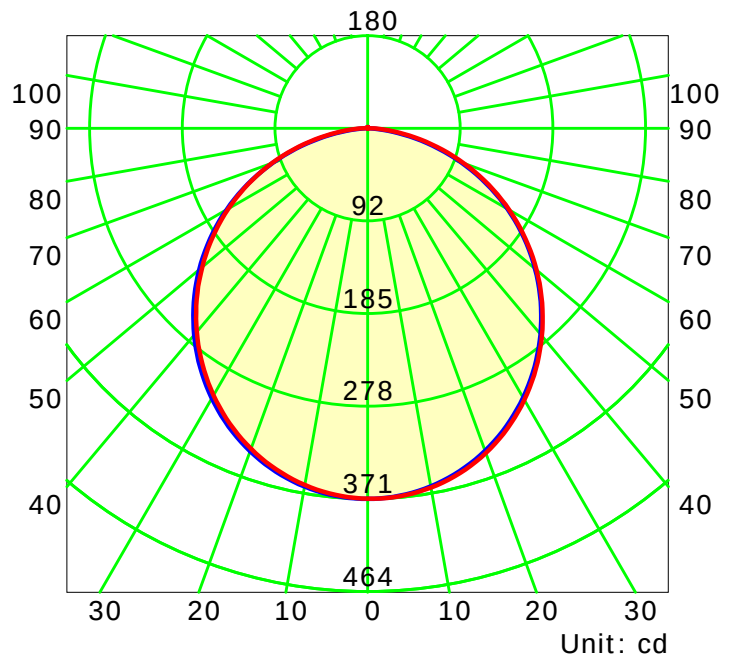
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

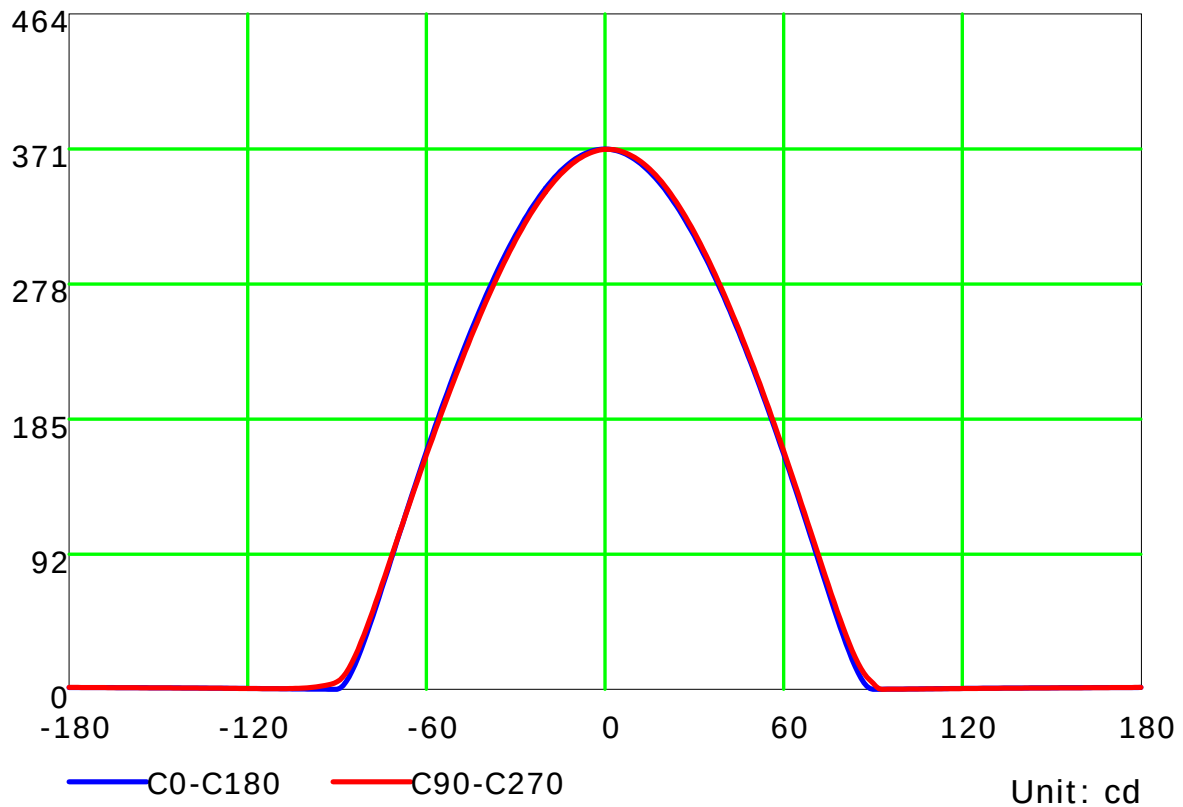
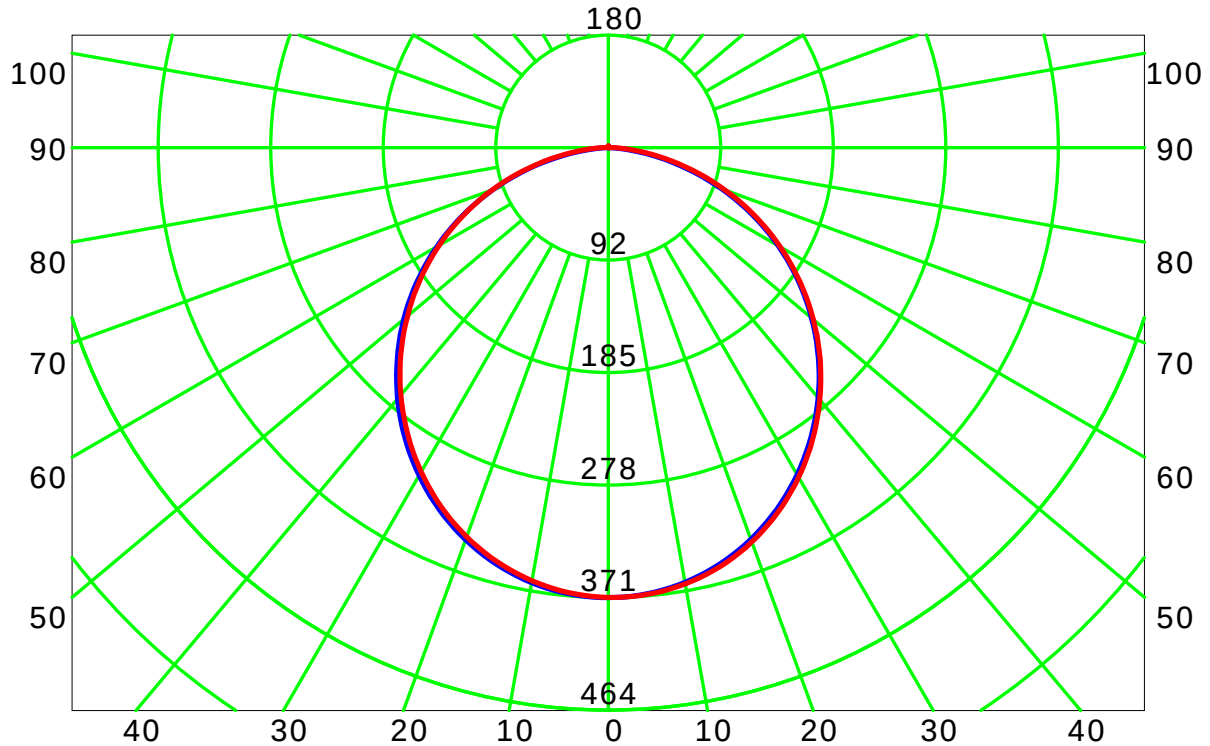
Test Device: GPM-2000

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

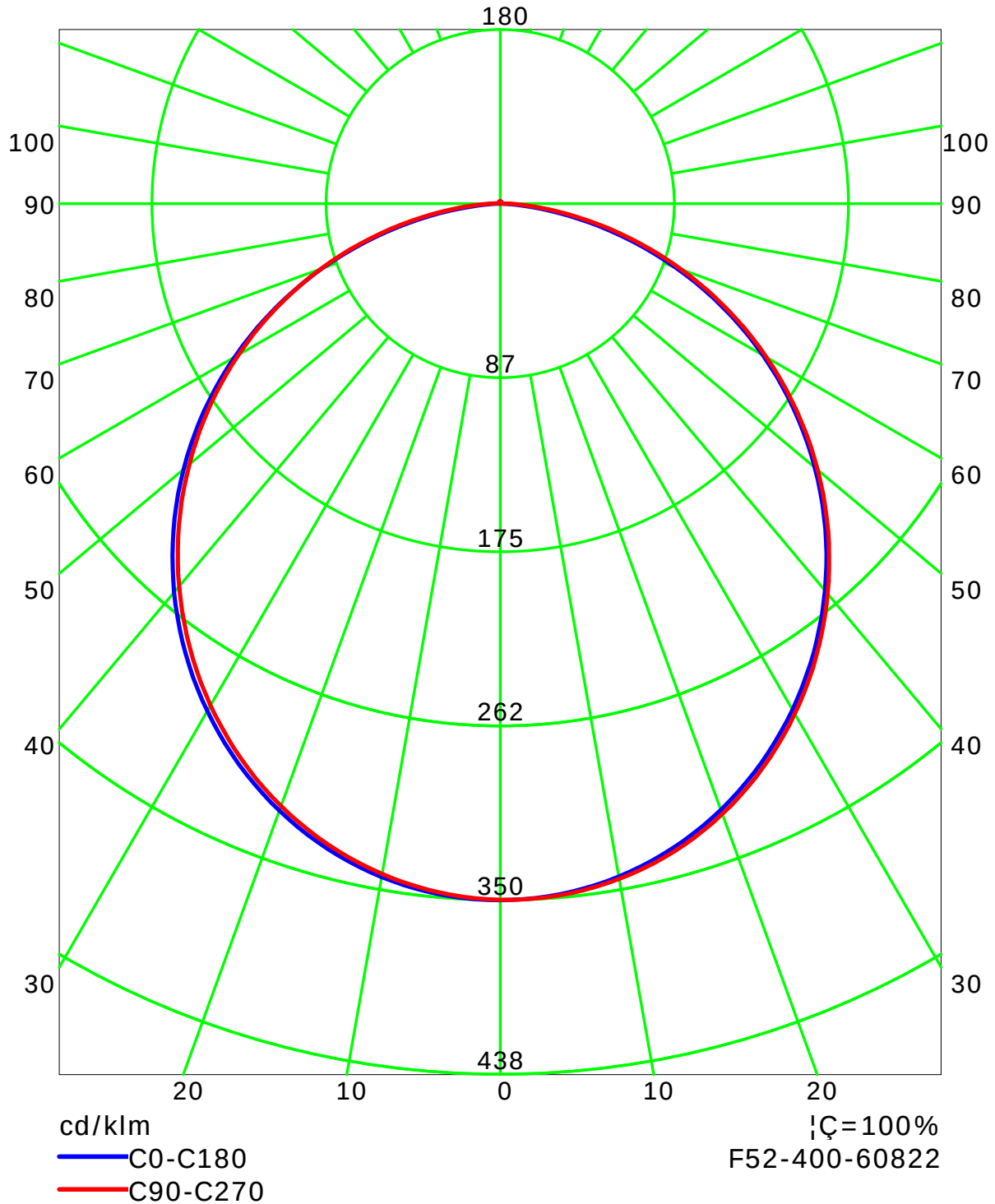
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

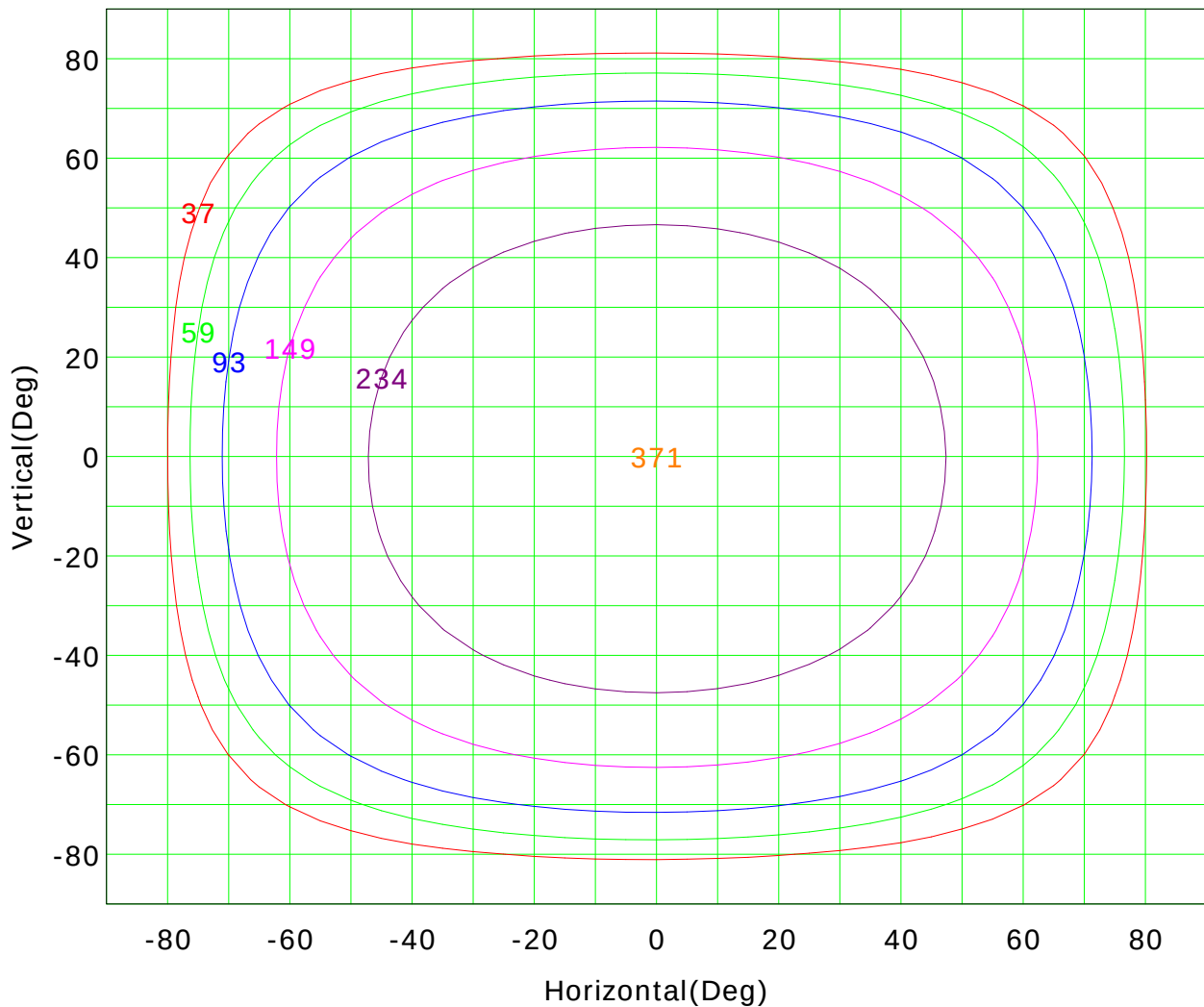
Luminous Intensity Distribution Curve(cd / klm)



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%): 371 cd

(10%):	37 cd	(16%):	59 cd
(25%):	93 cd	(40%):	149 cd
(63%):	234 cd	(100%):	371 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

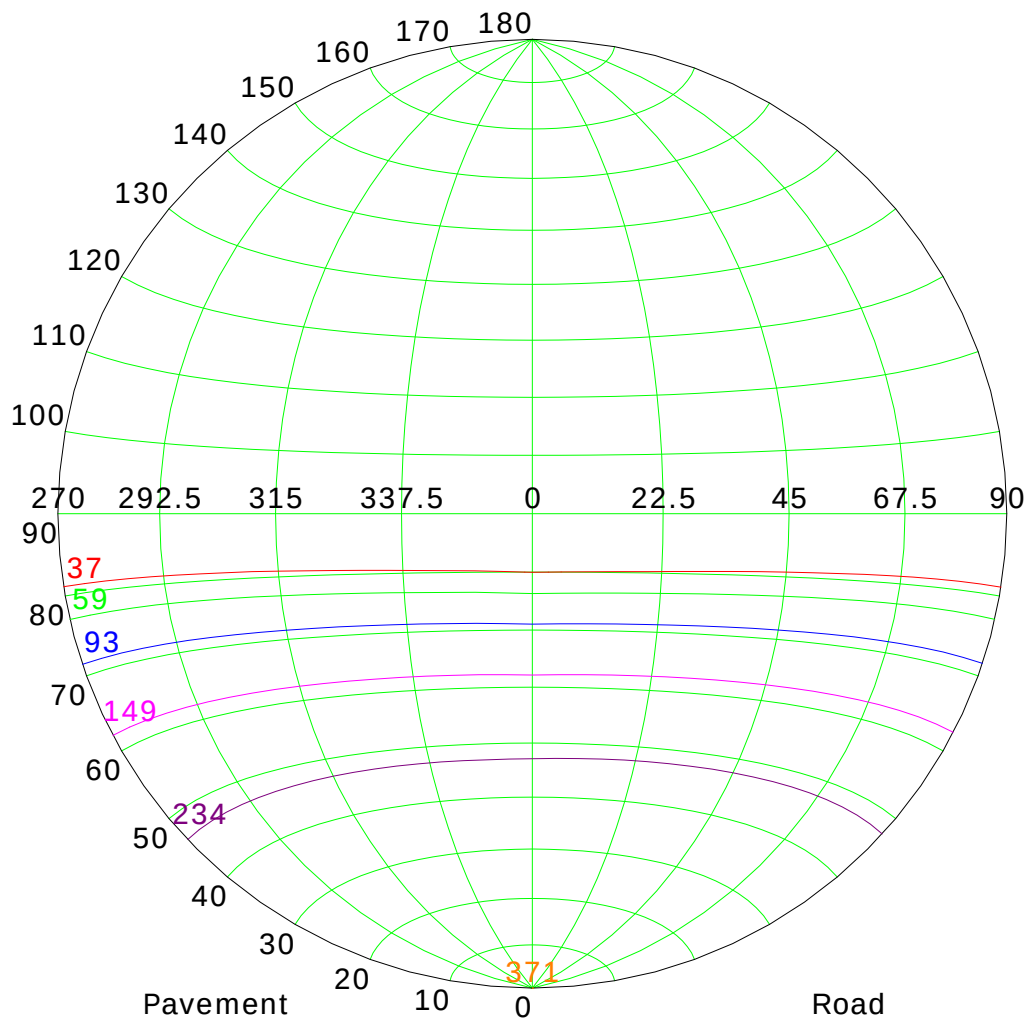
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 371 cd

(10%):	37 cd	(16%):	59 cd
(25%):	93 cd	(40%):	149 cd
(63%):	234 cd	(100%):	371 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

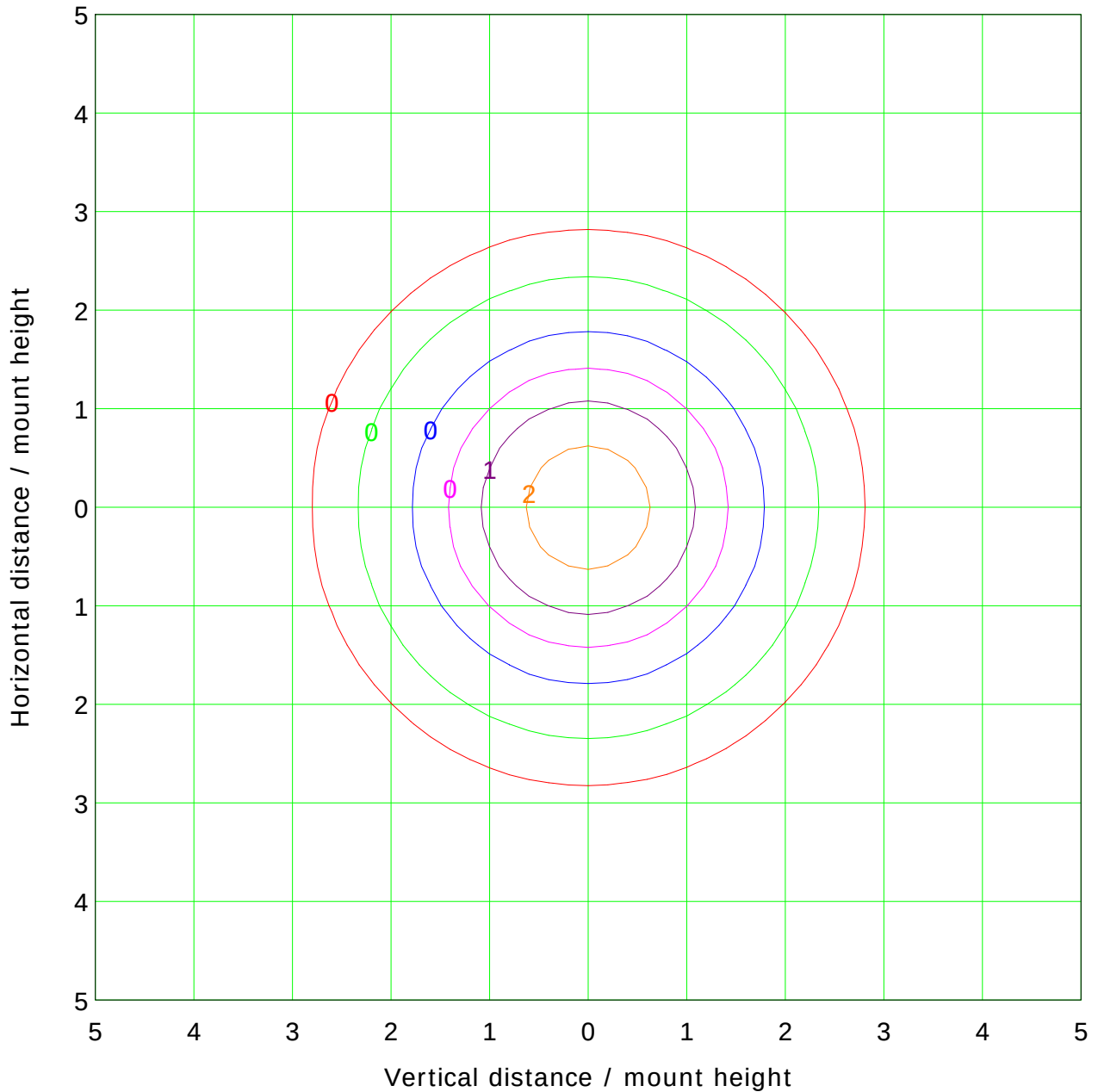
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.7 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.7 lx	(50%): 1.9 lx
(100%): 3.7 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

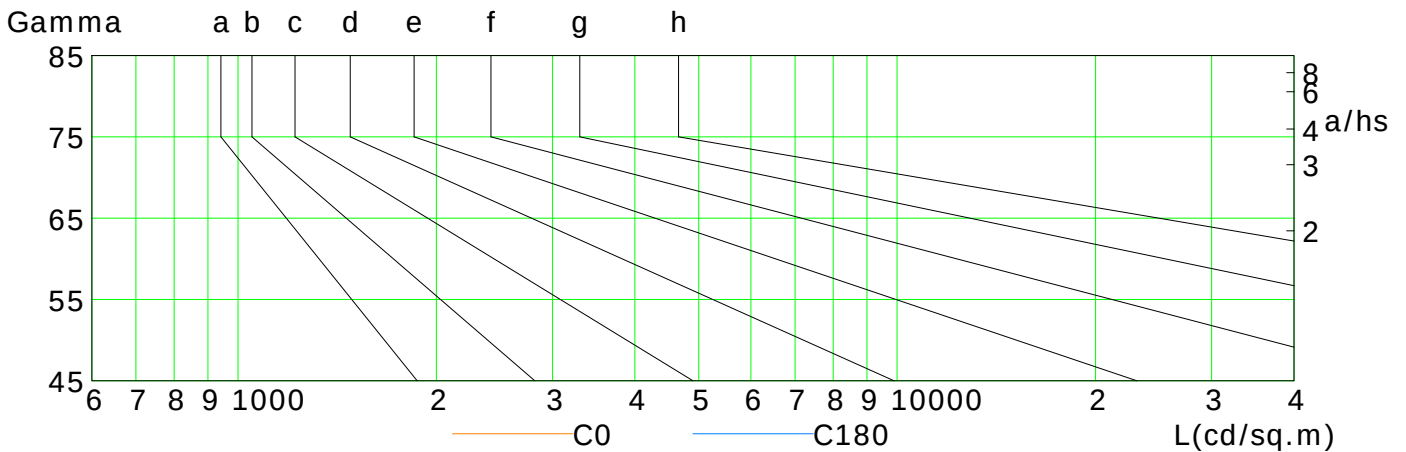
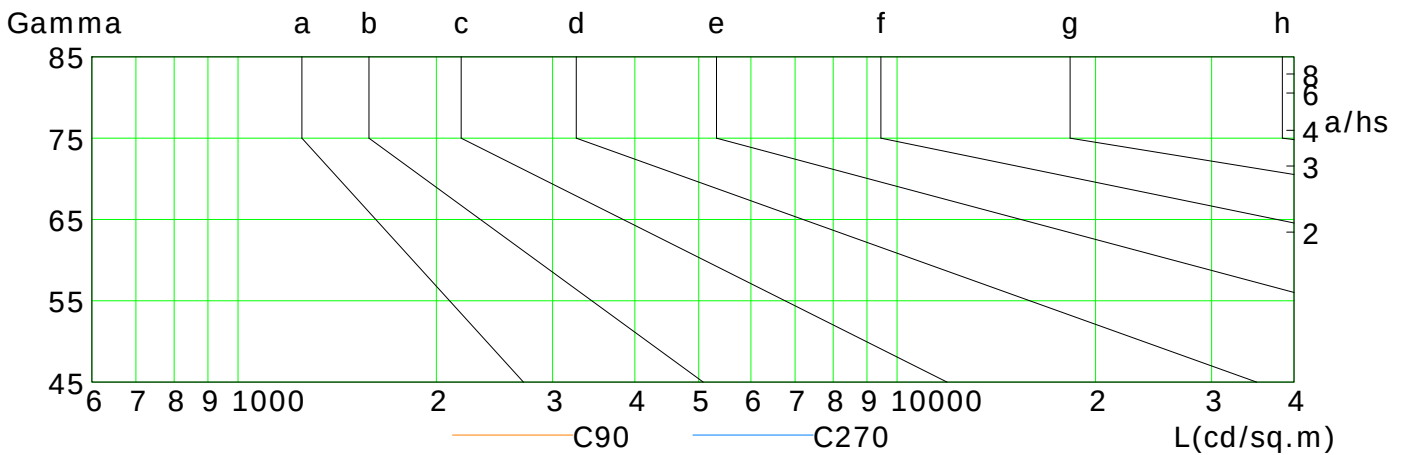
Humidity:

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	245	219	191	162	131	100	67	37	11
C90	247	221	193	164	134	103	72	42	18
C180	246	220	193	163	133	101	69	38	13
C270	242	216	189	161	132	102	72	43	18

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

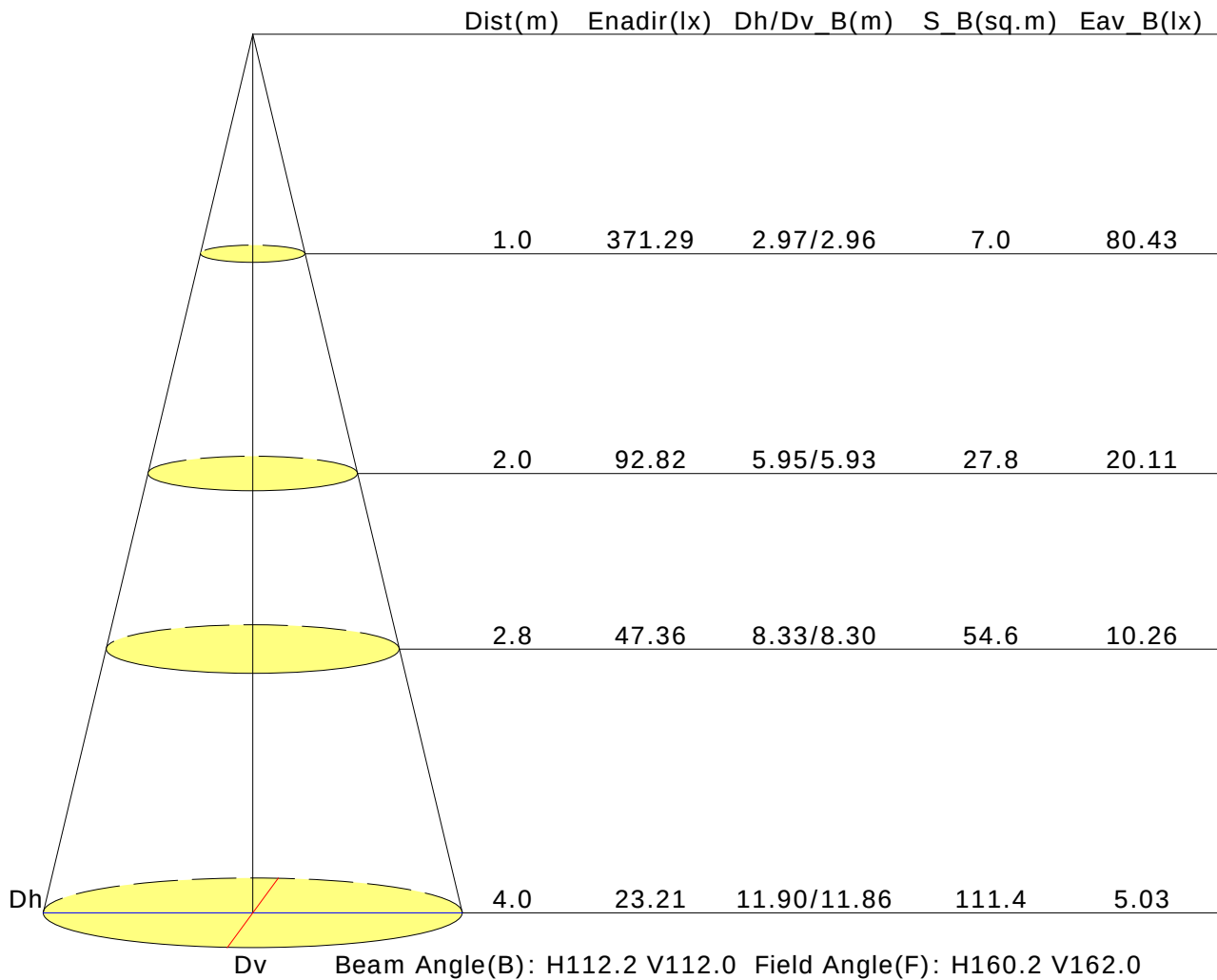
Test Device: GPM-2000

Distance: 7.970 m

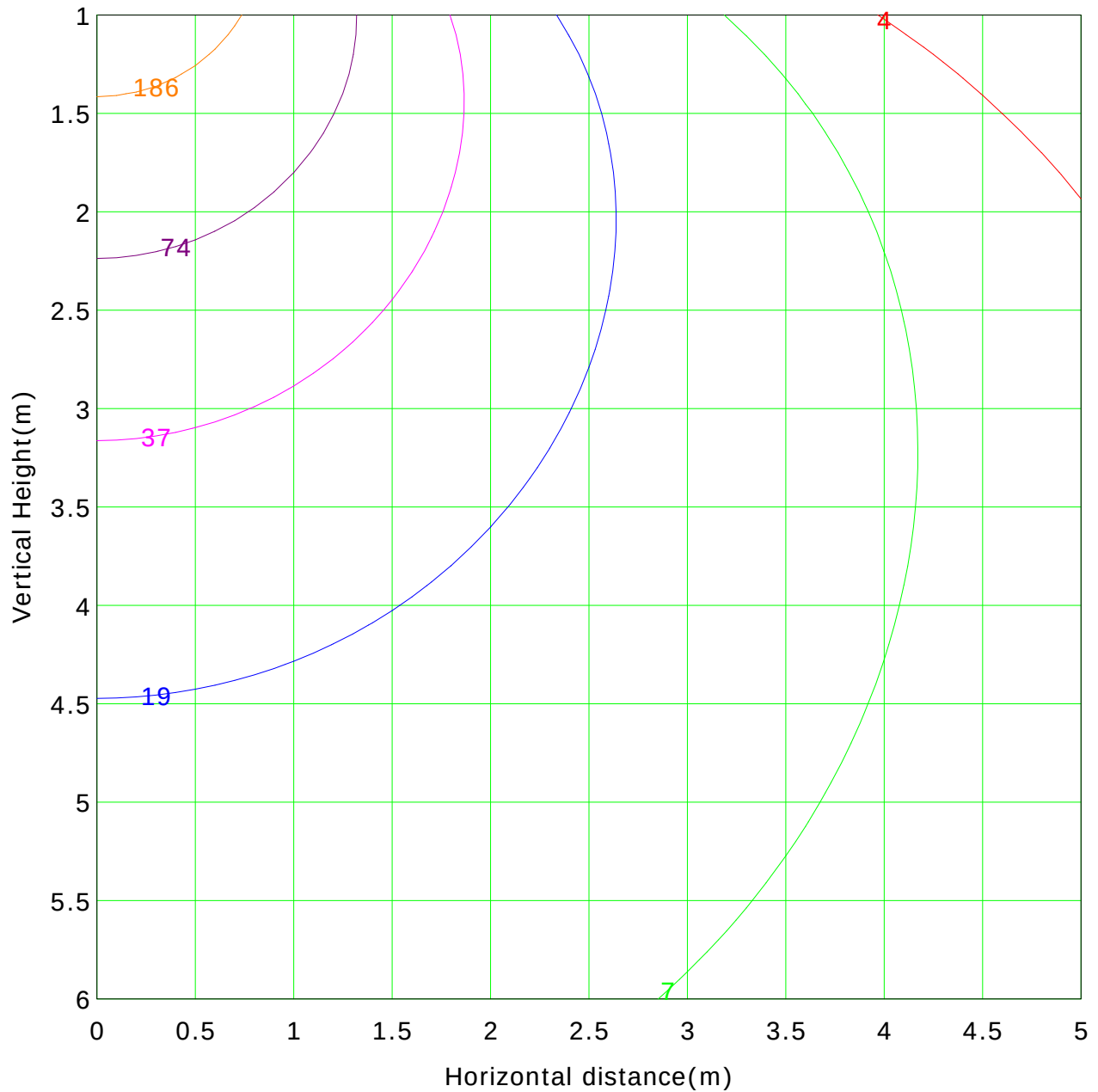
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 6.0m Max Lux: 371.3 lx

(1%): 3.7 lx	(2%): 7.4 lx
(5%): 18.6 lx	(10%): 37.1 lx
(20%): 74.3 lx	(50%): 185.6 lx
(100%): 371.3 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:

Report No.:

Test Time: 14/09/2018 09:11

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-WL02-03 + LLD-03-FS

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.580 A

Power: 13.93 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 958.8 lm

Downward Ratio: 60.51%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 60.72%

Upward Ratio: 0.21%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.7, 163.0, 163.3, 163.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.1, 110.2, 110.7, 110.8

Luminaire Efficacy Rating (LER): 68.88

Central Intensity: 337.63 cd

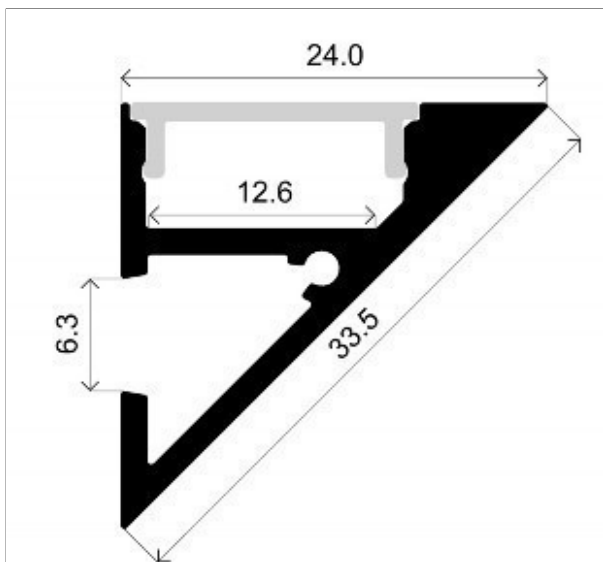
Max. Intensity: 338.81 cd

Pos of Max. Intensity: H10 V0

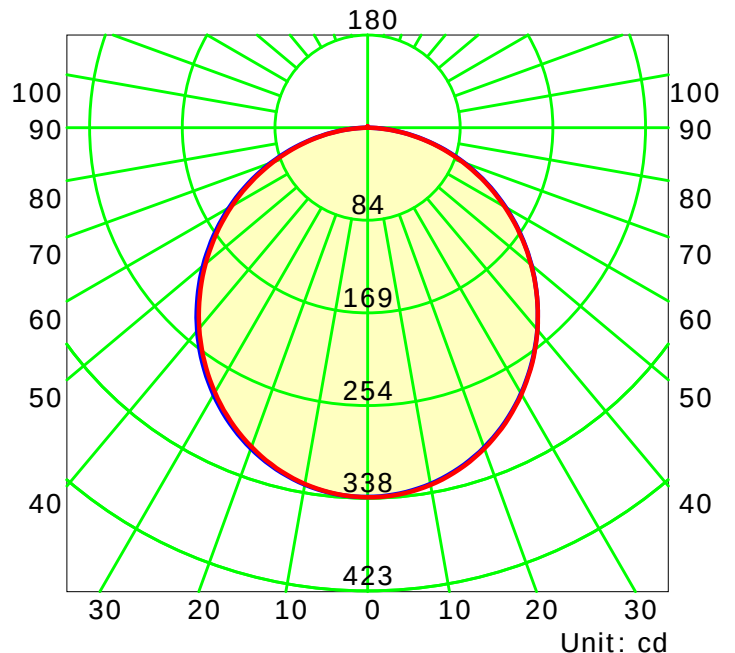
S/MH(C0/C180): 1.24

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

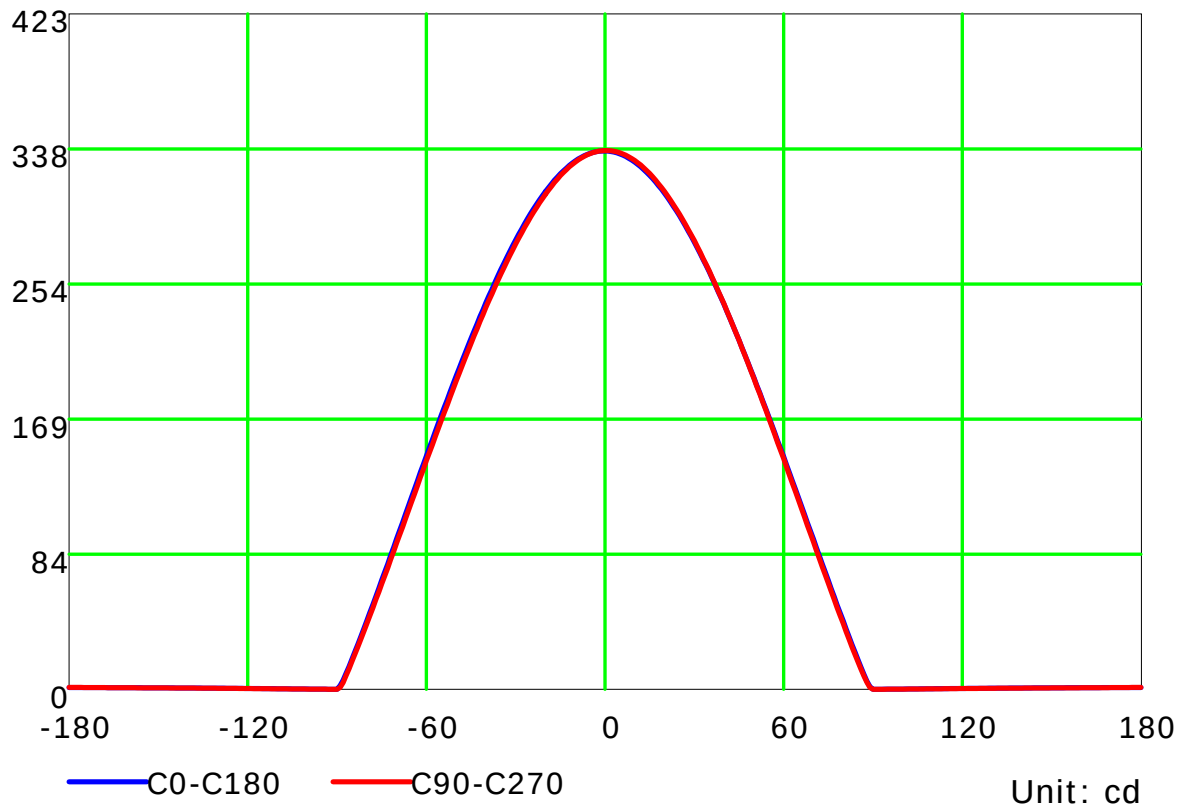
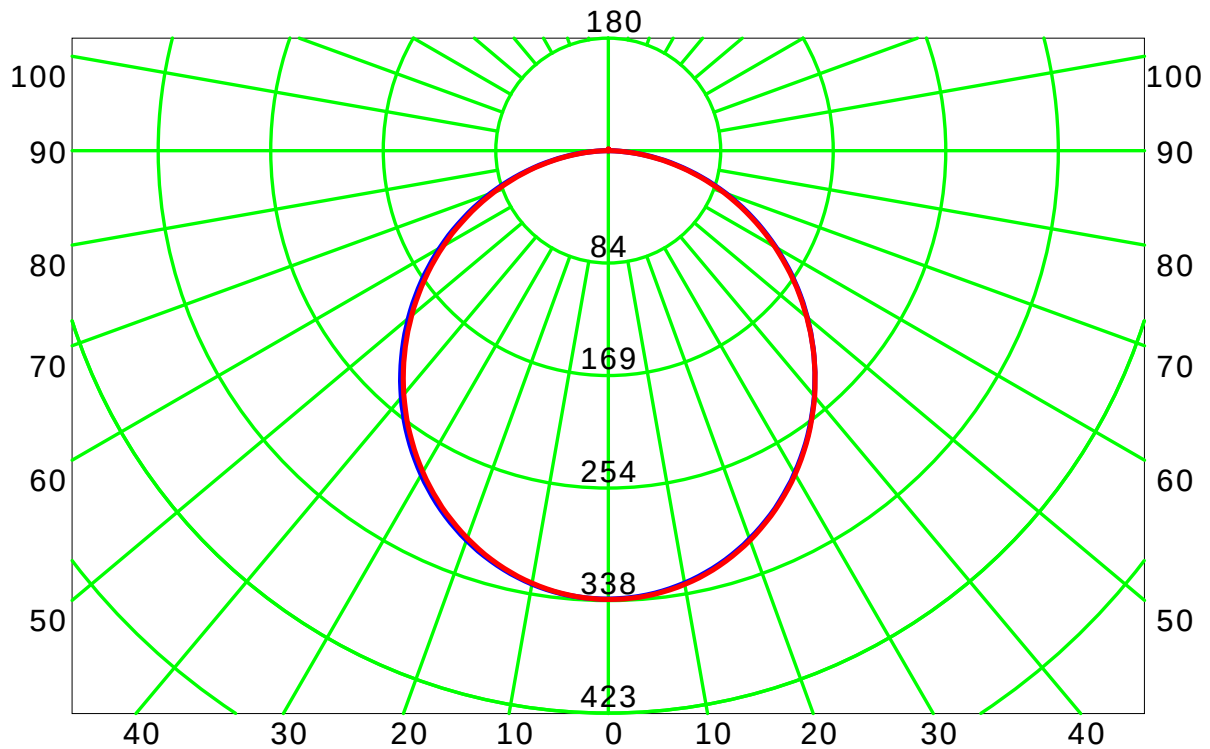
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

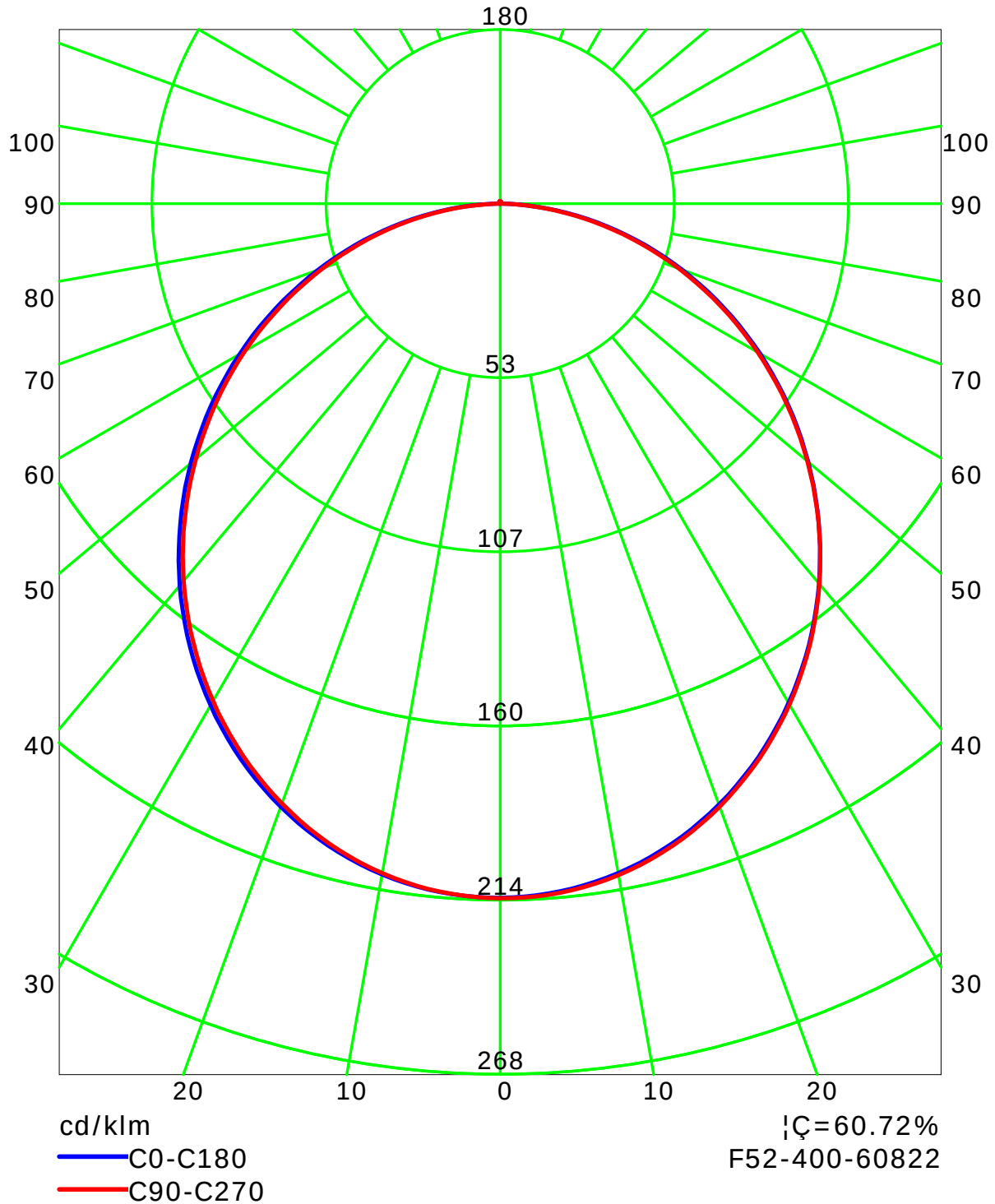
Luminous Intensity Distribution Curve



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:

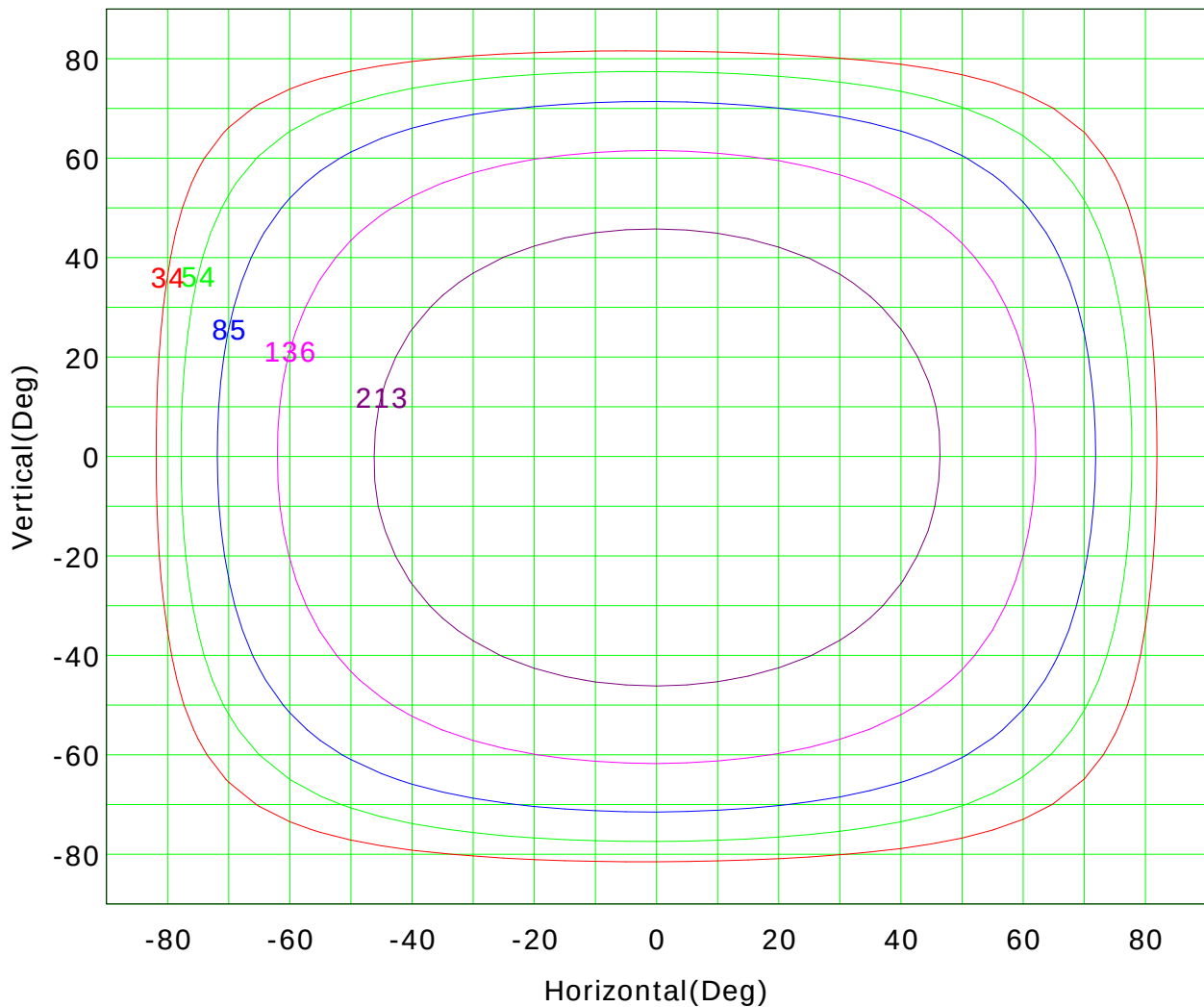
Luminous Intensity Distribution Curve(cd / klm)



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%): 339 cd

(10%):	34 cd	(16%):	54 cd
(25%):	85 cd	(40%):	136 cd
(63%):	213 cd	(100%):	339 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

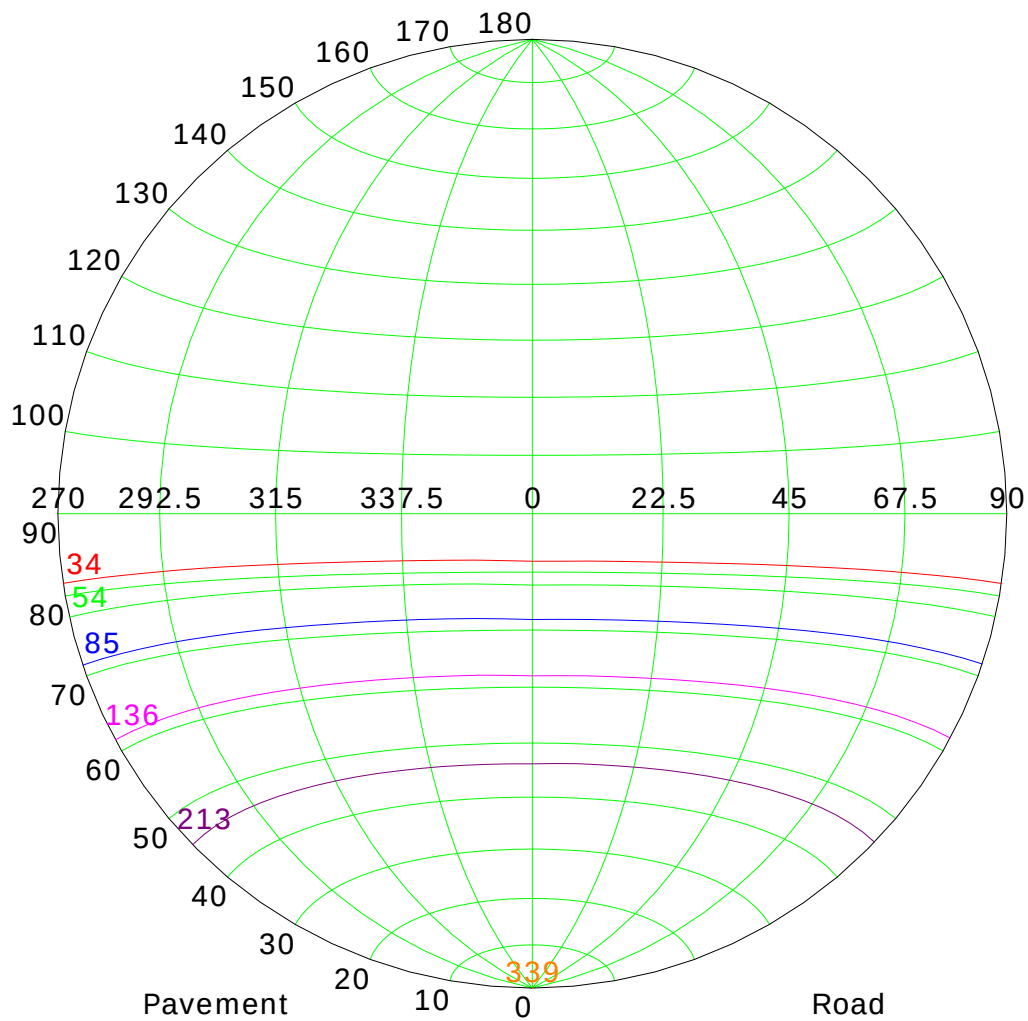
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 339 cd

(10%):	34 cd	(16%):	54 cd
(25%):	85 cd	(40%):	136 cd
(63%):	213 cd	(100%):	339 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

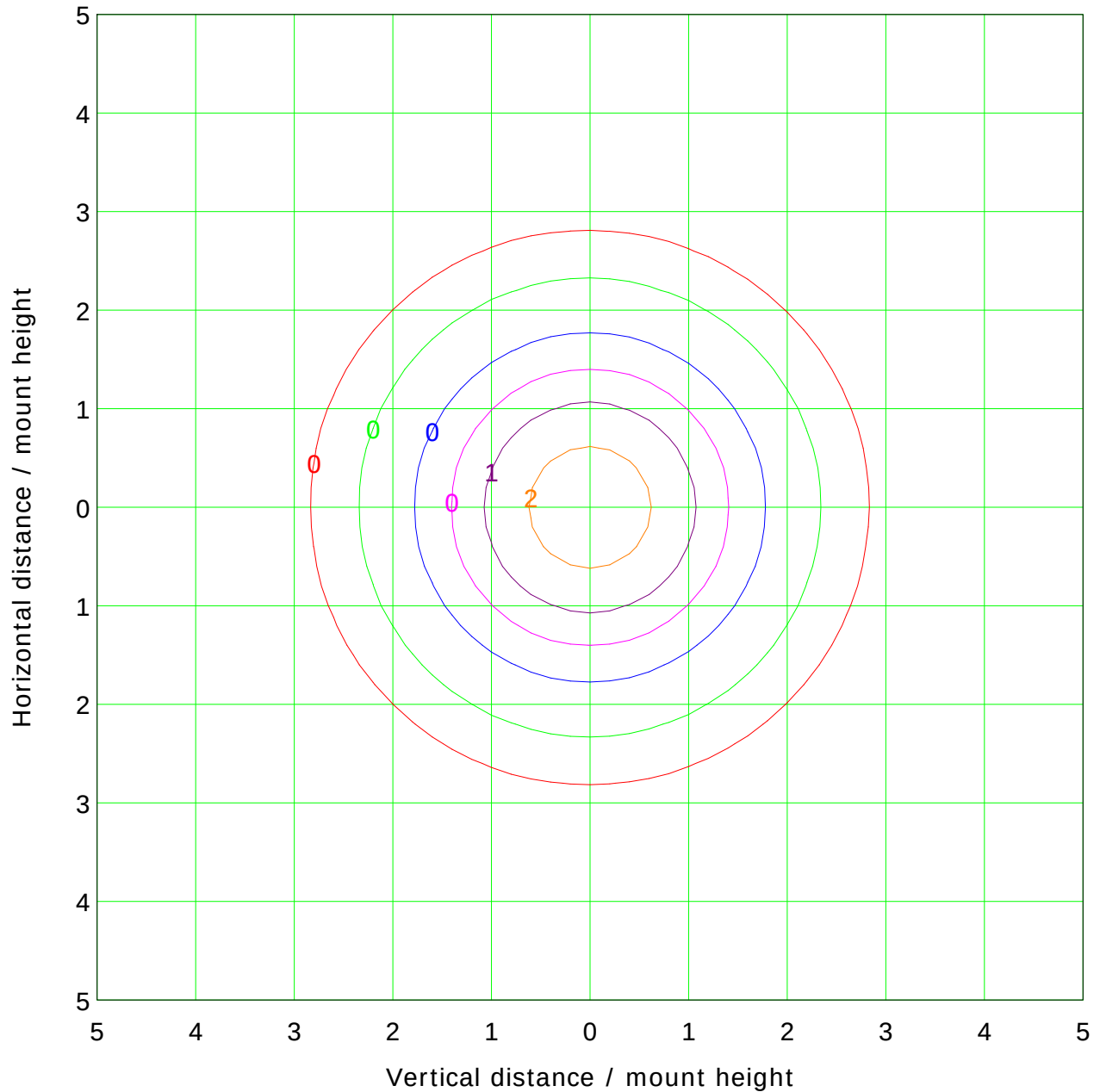
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.4 lx

(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.3 lx
(20%): 0.7 lx	(50%): 1.7 lx
(100%): 3.4 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

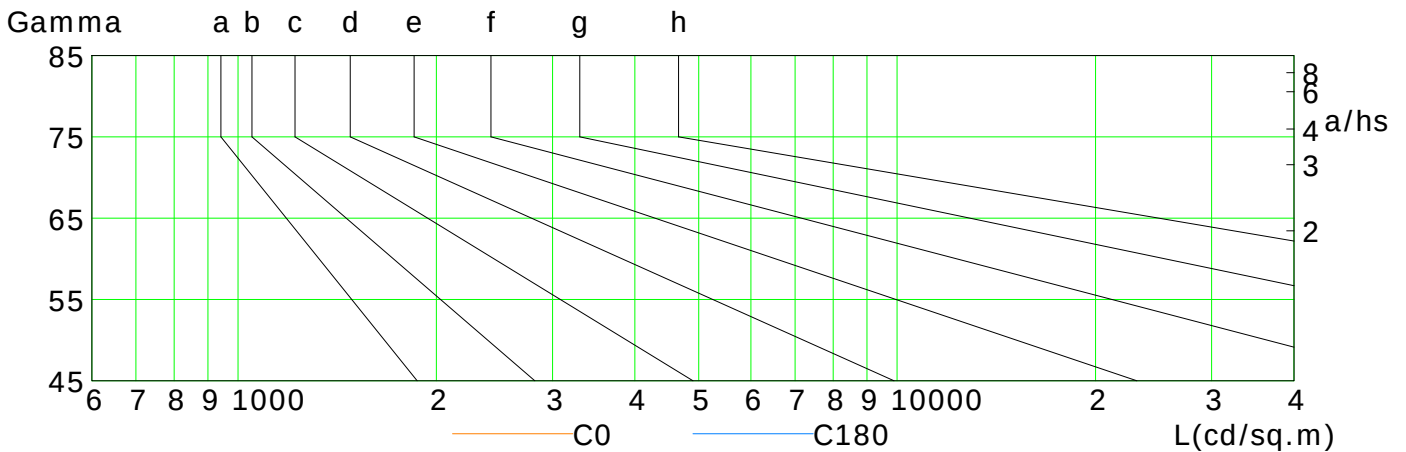
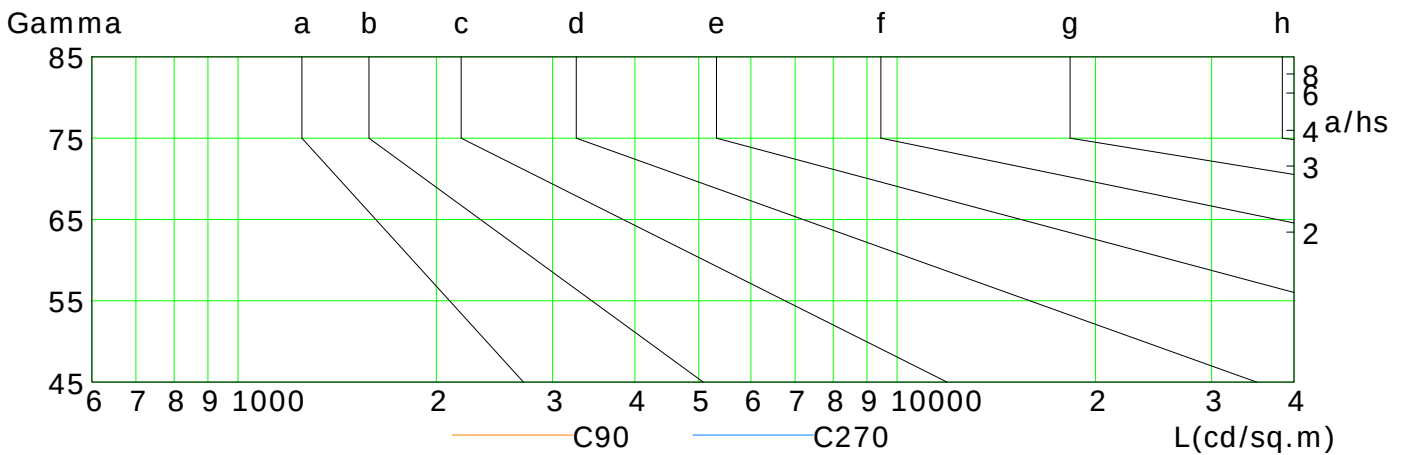
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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	219	196	171	146	120	94	68	43	18
C90	219	195	170	145	119	93	67	41	17
C180	220	196	172	146	120	94	69	43	19
C270	217	193	169	143	117	92	66	41	18

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

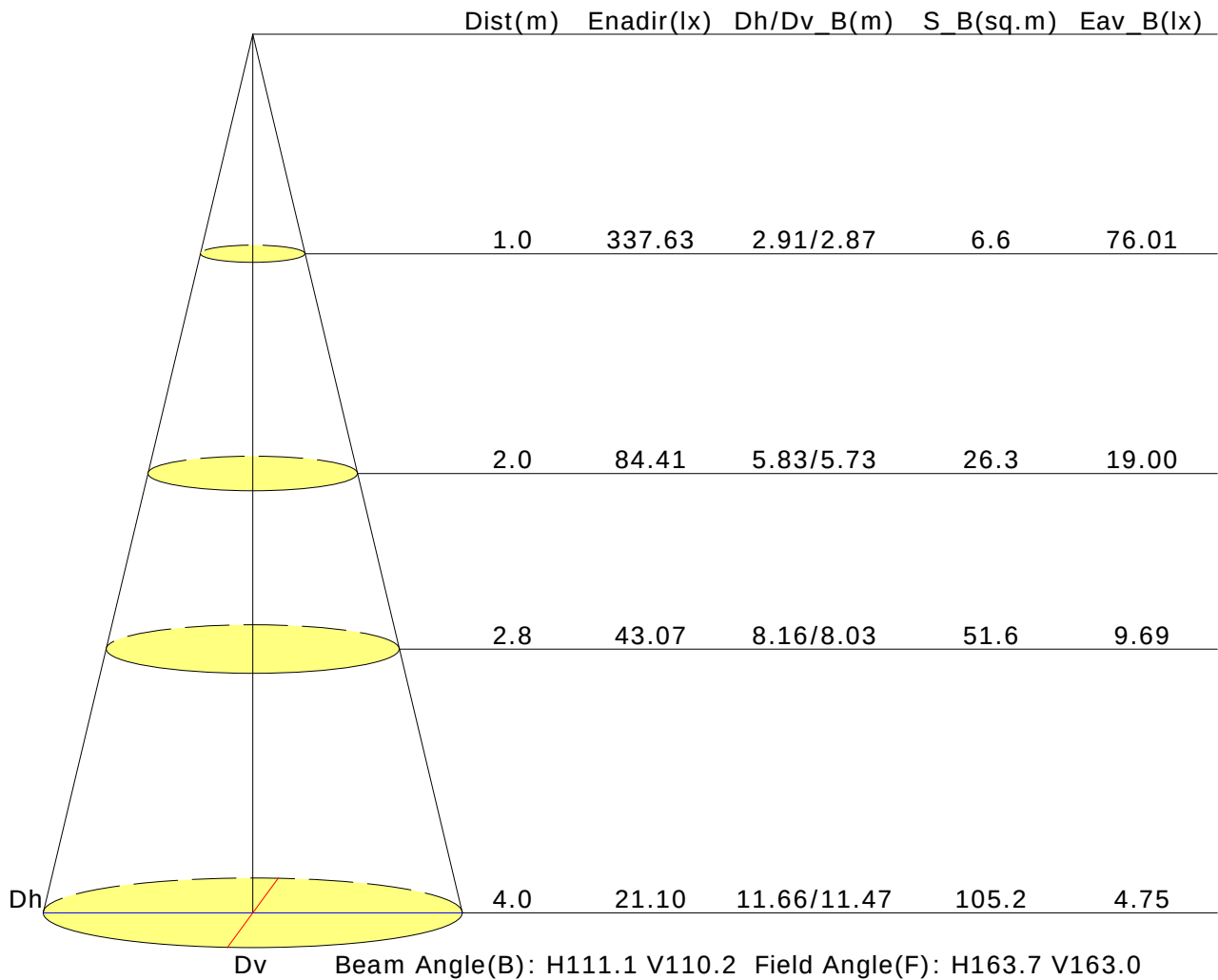
Test Device: GPM-2000

Distance: 7.970 m

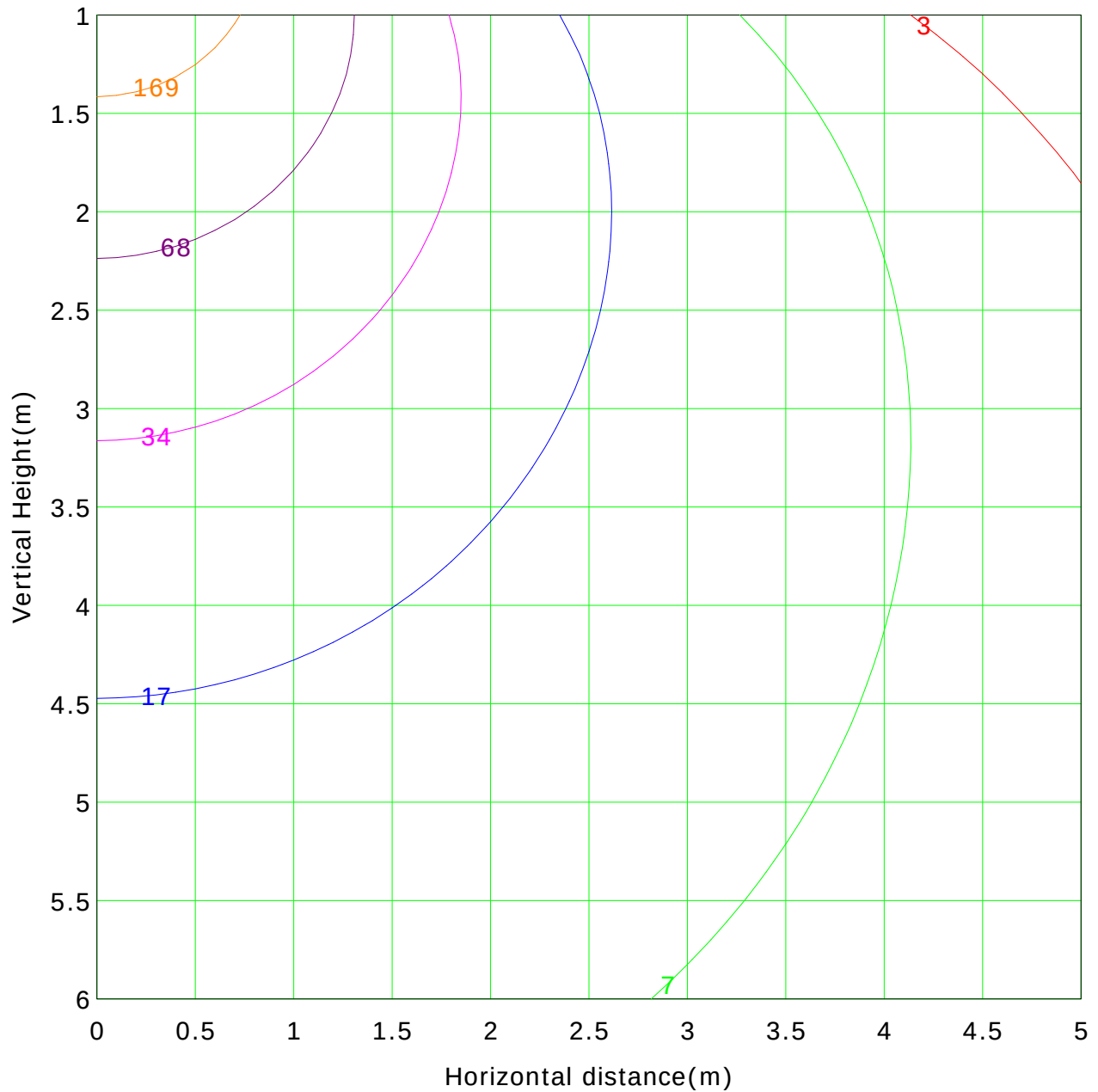
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 6.0m Max Lux: 337.6 lx

(1%): 3.4 lx	(2%): 6.8 lx
(5%): 16.9 lx	(10%): 33.8 lx
(20%): 67.5 lx	(50%): 168.8 lx
(100%): 337.6 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:

Report No.:

Test Time: 24/09/2018 12:58

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-WL02-03 + LLD-03-XK2-L1

Lamp Description: F52-400-60822

Number of Lamps: 1

Lumens per Lamp: 1579 lm

Voltage: 24.0 V

Current: 0.587 A

Power: 14.10 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1322.2 lm

Downward Ratio: 83.17%

Total Rated Lamp Lumens: 1579.0 lm

Efficiency: 83.74%

Upward Ratio: 0.57%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.2, 133.6, 113.7, 113.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 131.8, 55.8, 67.5, 68.8

Luminaire Efficacy Rating (LER): 93.82

Central Intensity: 743.27 cd

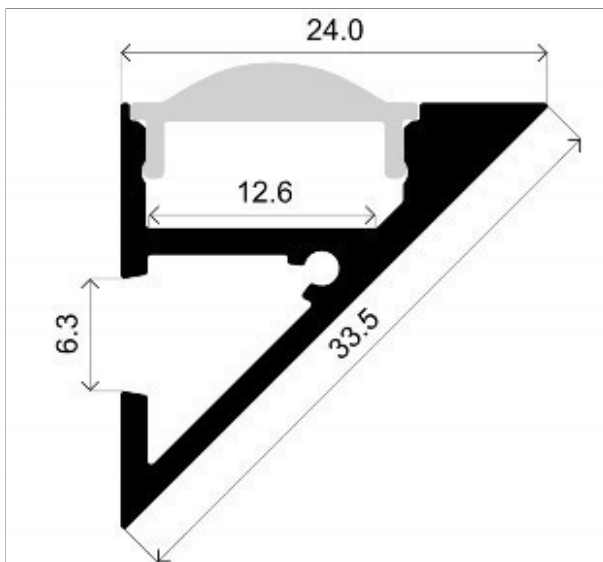
Max. Intensity: 745.54 cd

Pos of Max. Intensity: H190 V6

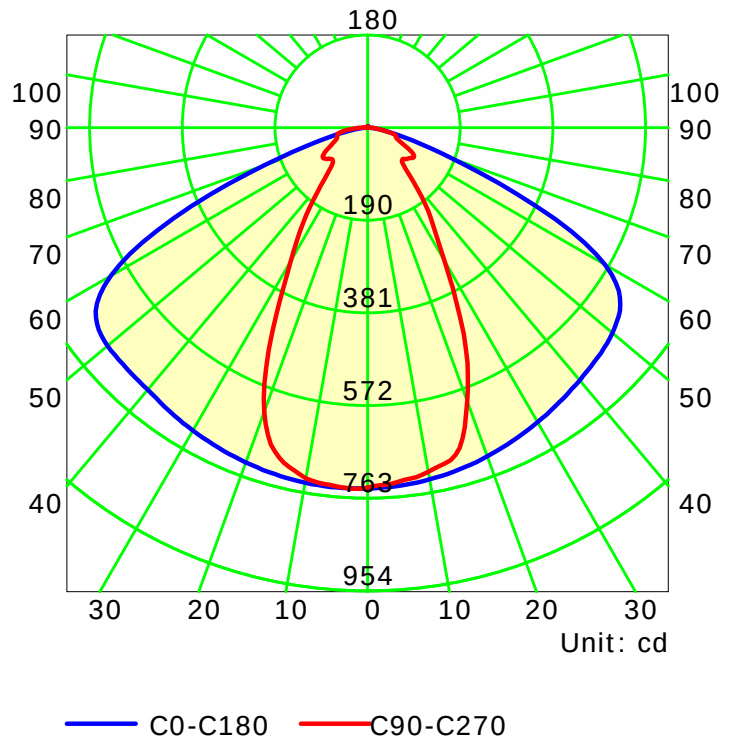
S/MH(C0/C180): 1.45

S/MH(C90/C270): 0.90

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

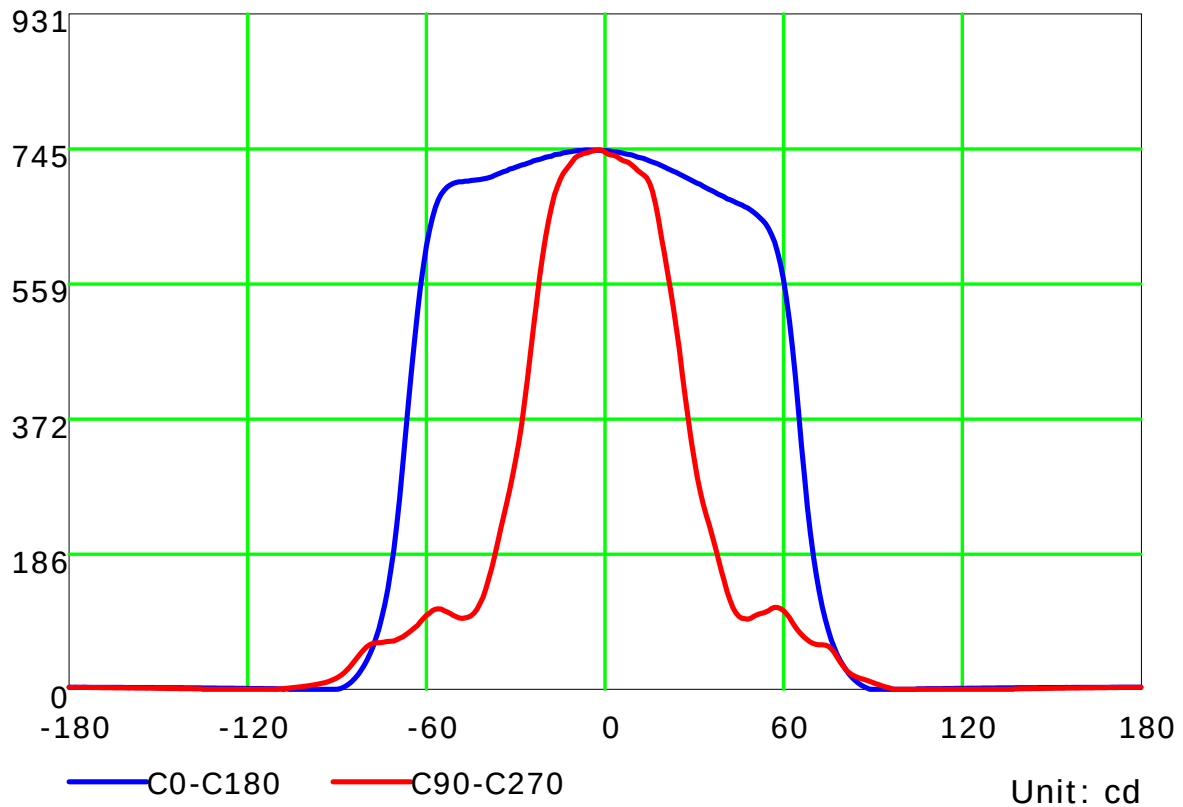
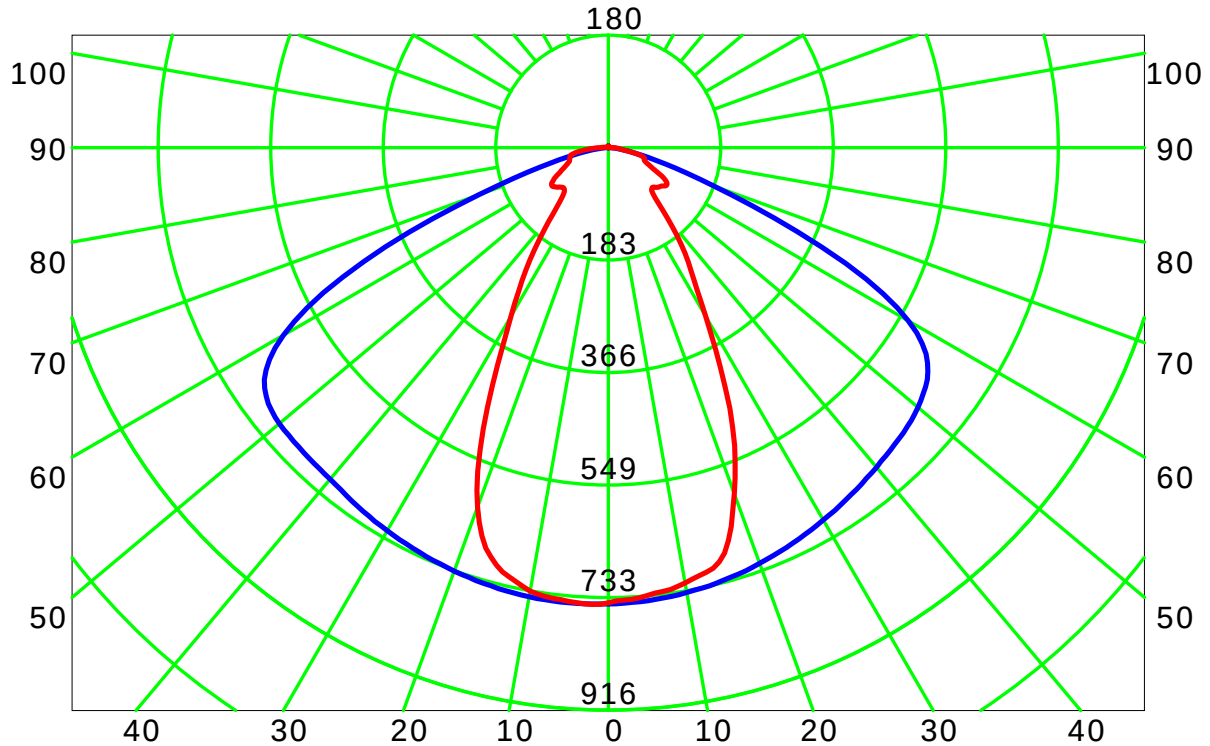
Test Device: GPM-2000

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

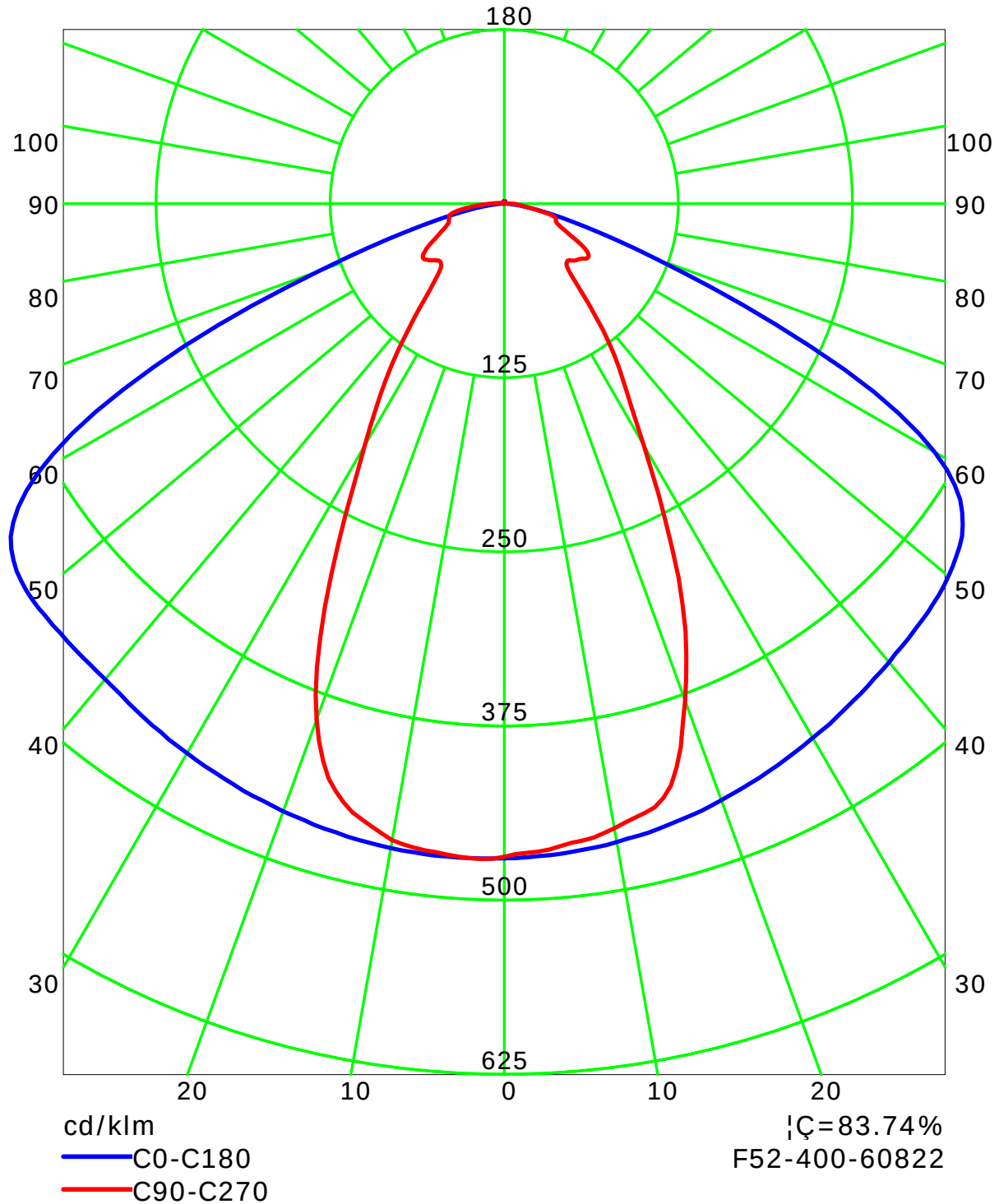
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

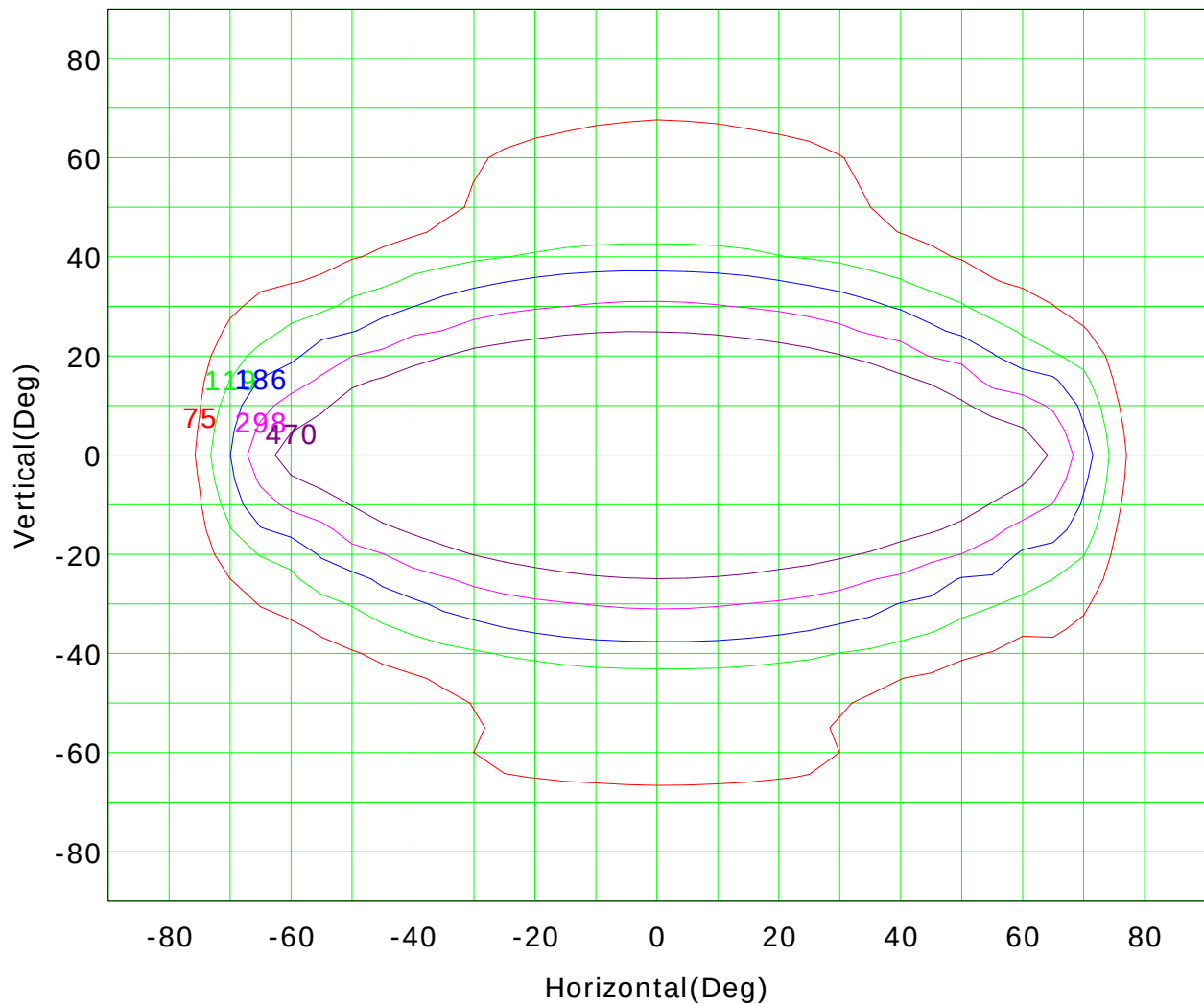
Luminous Intensity Distribution Curve(cd / klm)



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%): 746 cd

(10%): 75 cd	(16%): 119 cd
(25%): 186 cd	(40%): 298 cd
(63%): 470 cd	(100%): 746 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

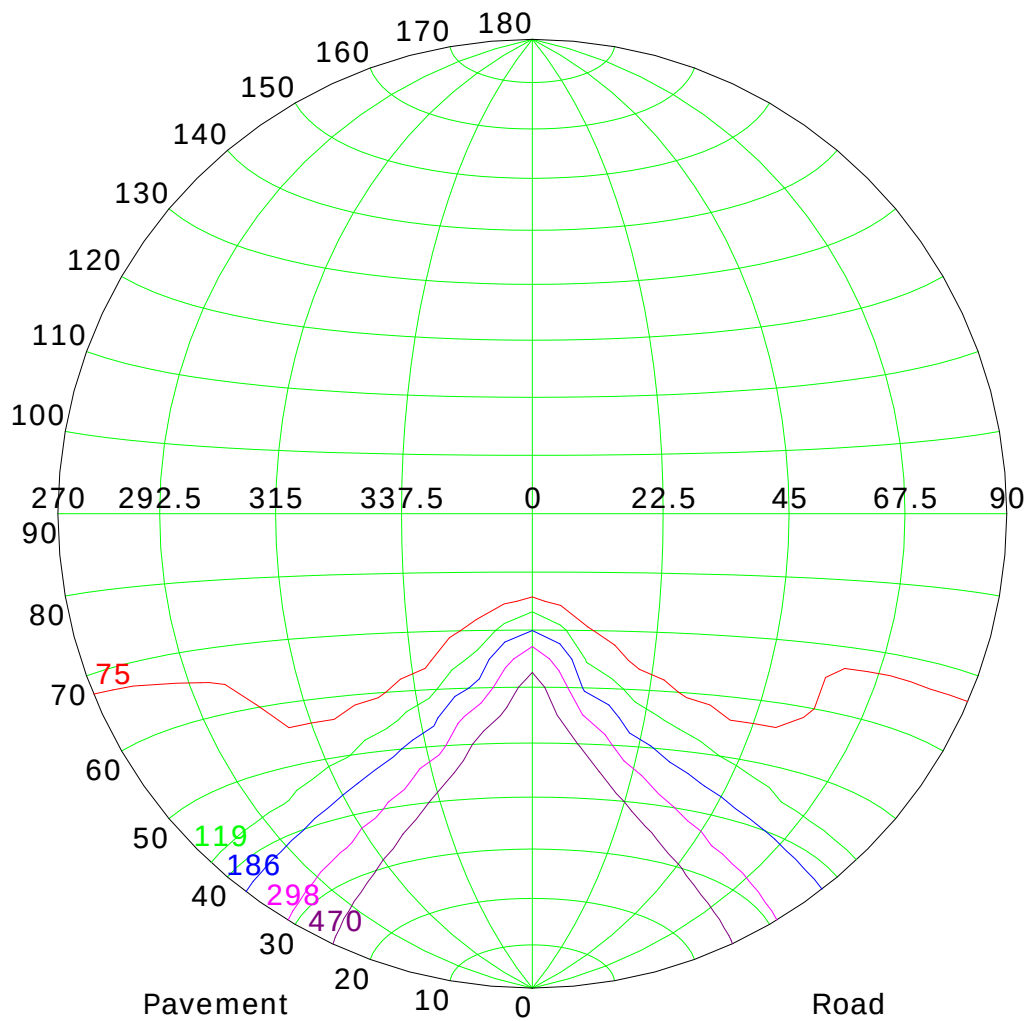
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

Isocandela (sphere)



I_{max} (100%): 746 cd

(10%):	75 cd	(16%):	119 cd
(25%):	186 cd	(40%):	298 cd
(63%):	470 cd	(100%):	746 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

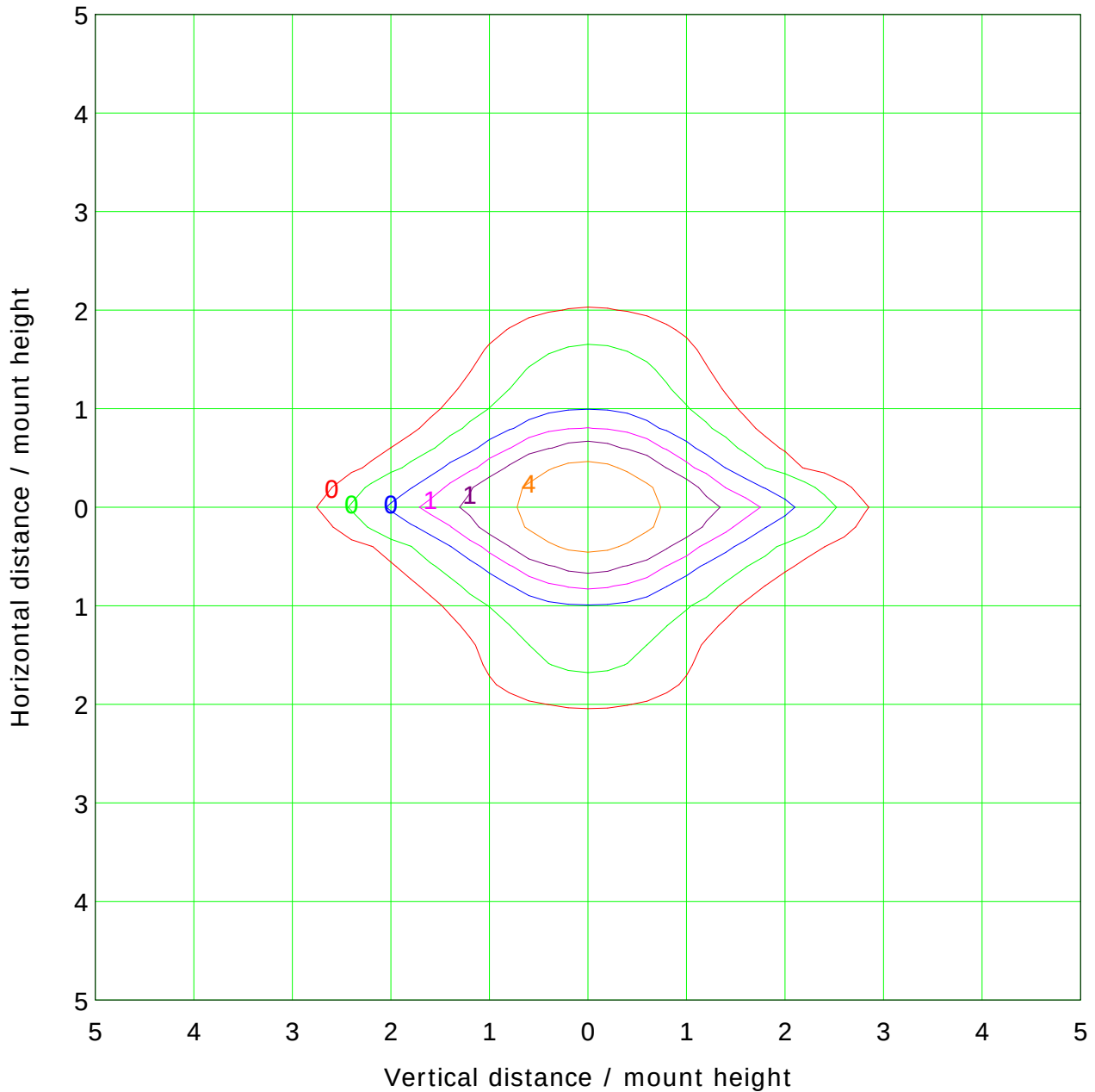
Test Device: GPM-2000

Distance: 7.970 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 7.4 lx	
— (1%):	0.1 lx	— (2%):	0.1 lx
— (5%):	0.4 lx	— (10%):	0.7 lx
— (20%):	1.5 lx	— (50%):	3.7 lx
— (100%):	7.4 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

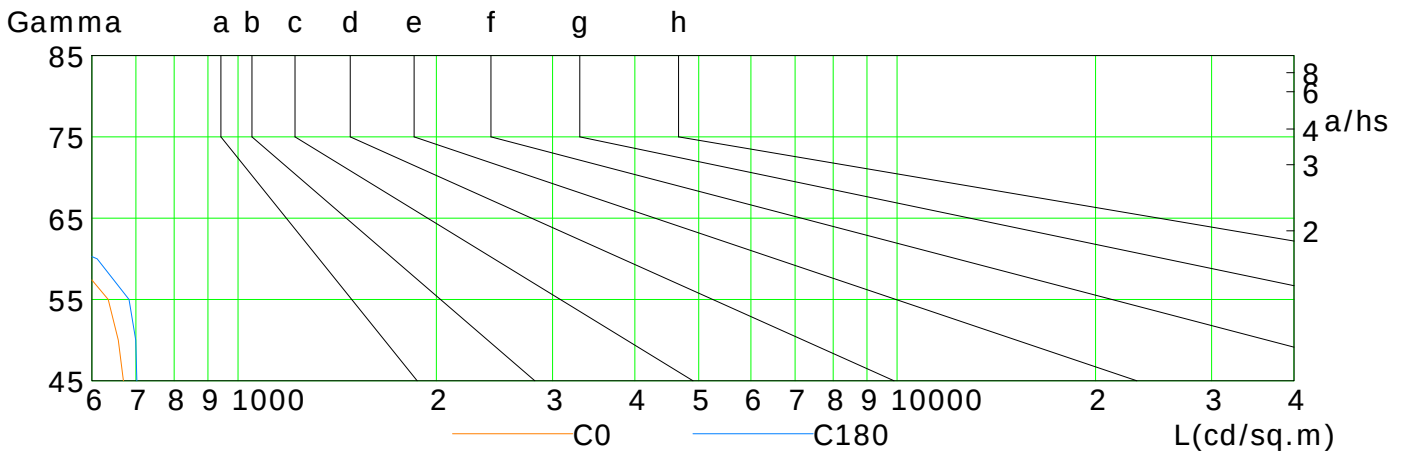
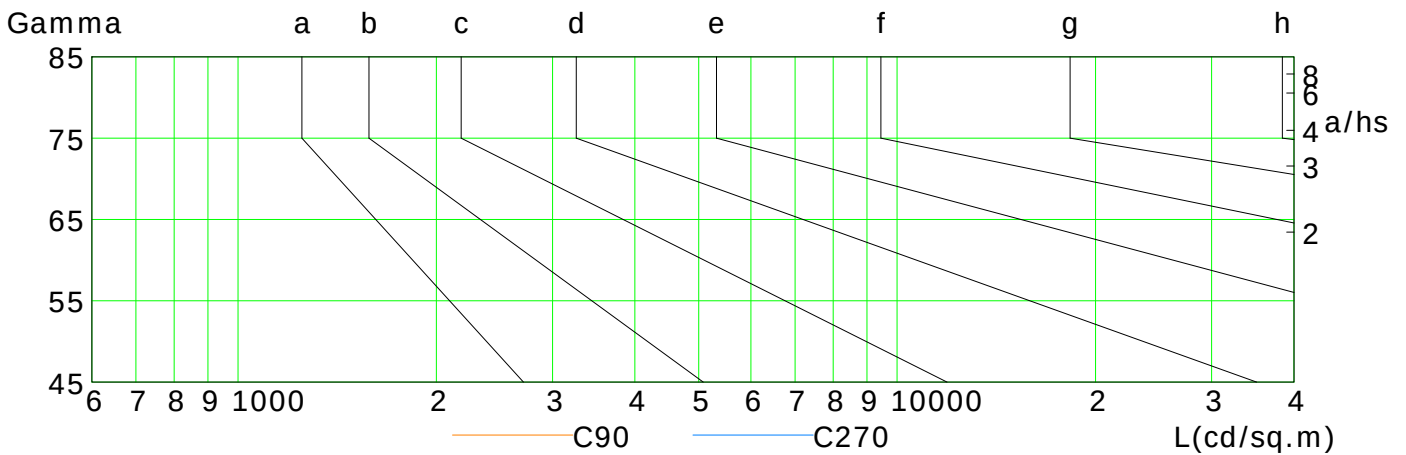
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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	670	658	635	564	383	184	82	33	9
C90	100	101	109	109	80	63	60	32	16
C180	702	700	683	611	440	225	99	40	11
C270	102	100	111	102	81	68	65	59	35

C Plane (°):0.0-360.0: 10.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

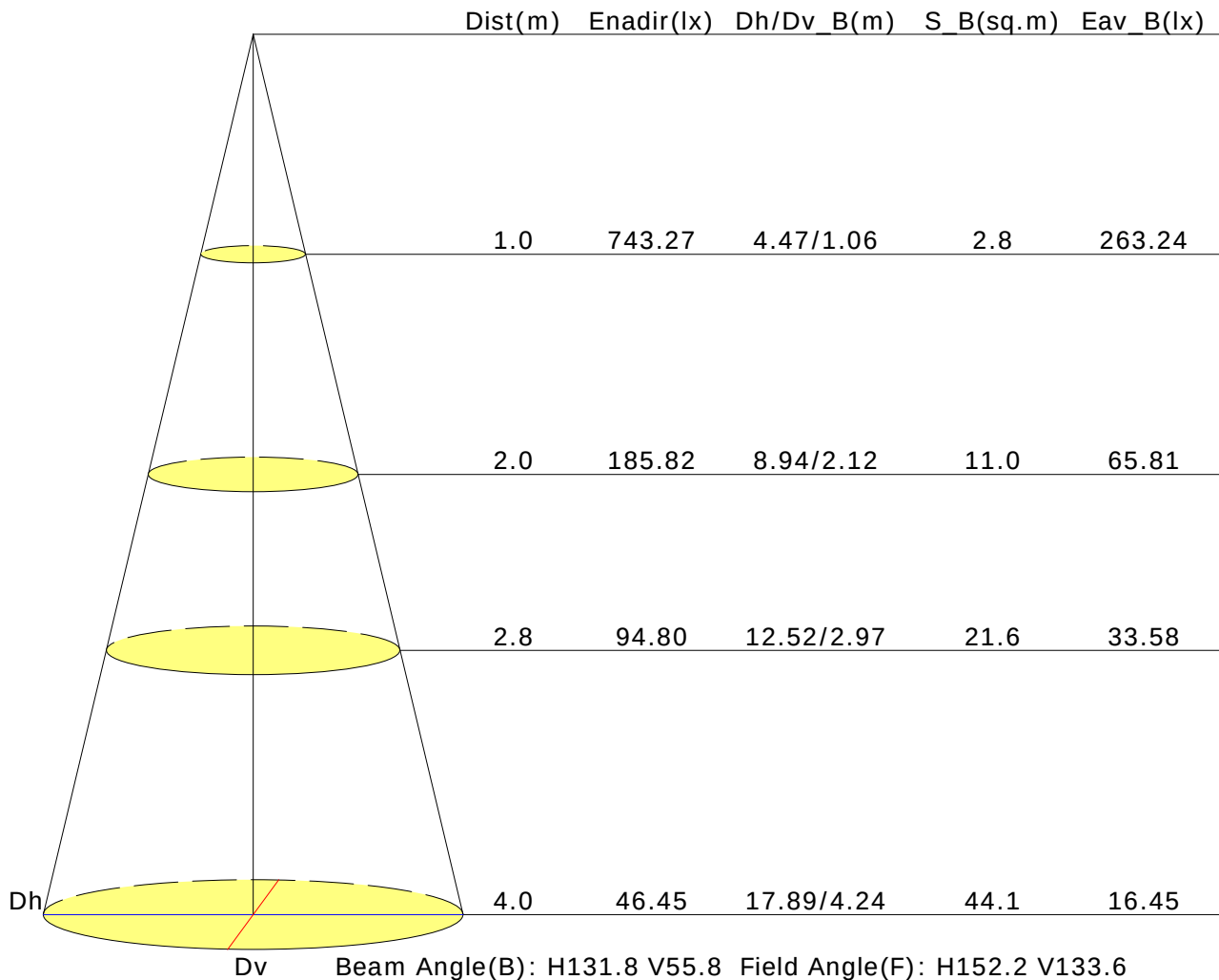
Test Device: GPM-2000

Distance: 7.970 m

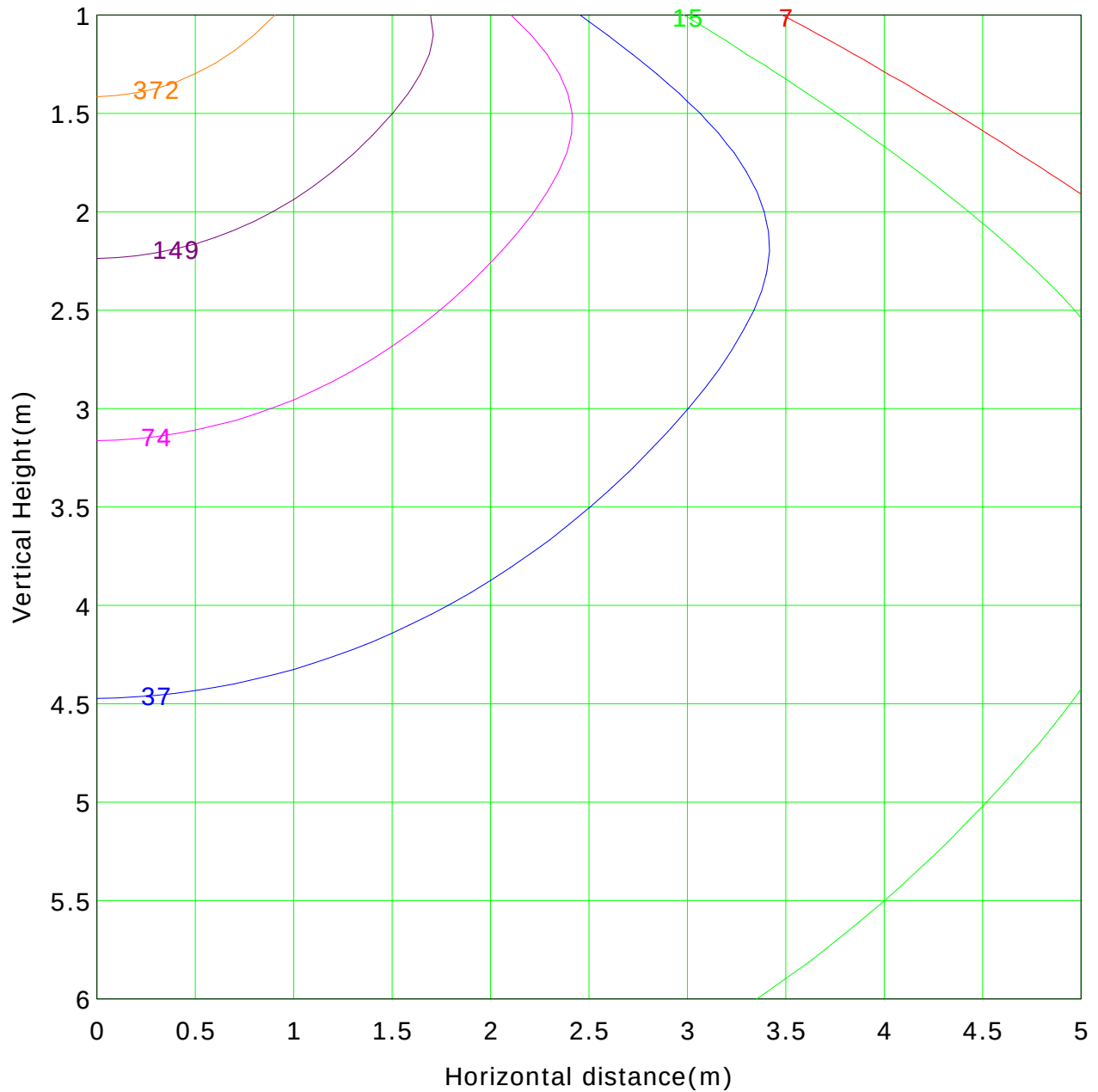
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 743.3 lx
(1%): 7.4 lx	(2%): 14.9 lx	
(5%): 37.2 lx	(10%): 74.3 lx	
(20%): 148.7 lx	(50%): 371.6 lx	
(100%): 743.3 lx		