



Report No.:

Test Time: 12/09/2018 17:13

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-AN01-03 + LLD-03-FH

Lamp Description: Strip 14,4W/m 60led/m

Voltage: 24.0 V

Power: 14.04 W

Lumens per Lamp: 1579 lm

Current: 0.585 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1177.5 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 156.3, 145.4, 134.6, 133.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.7, 71.9, 87.2, 87.3

Luminaire Efficacy Rating (LER): 83.92

Max. Intensity: 551.77 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 1177.5 lm

Efficiency: 100%

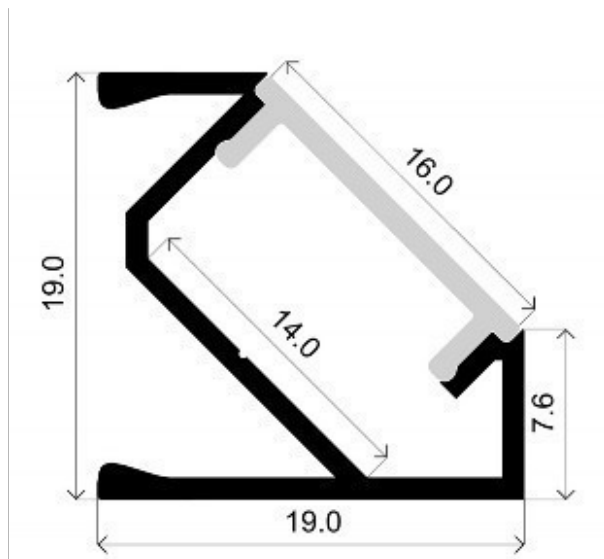
Upward Ratio: 0%

Central Intensity: 551.6 cd

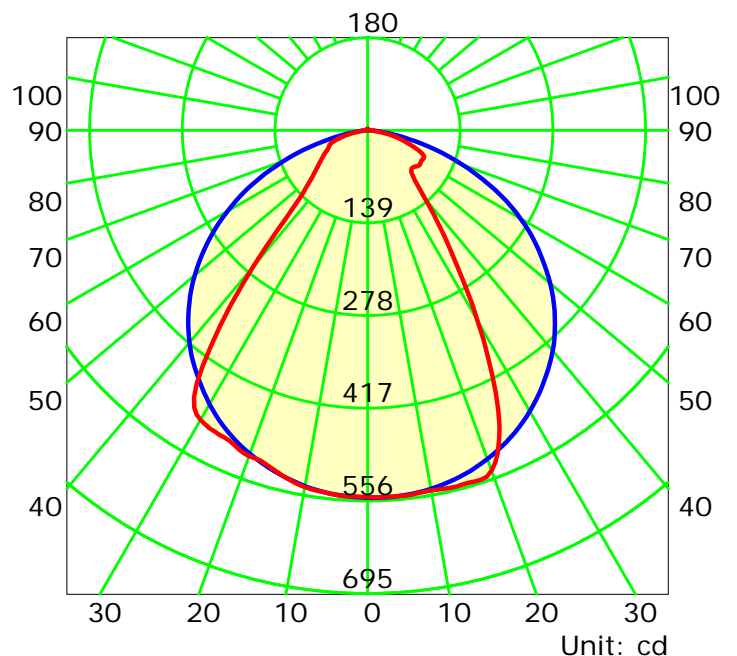
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.14

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

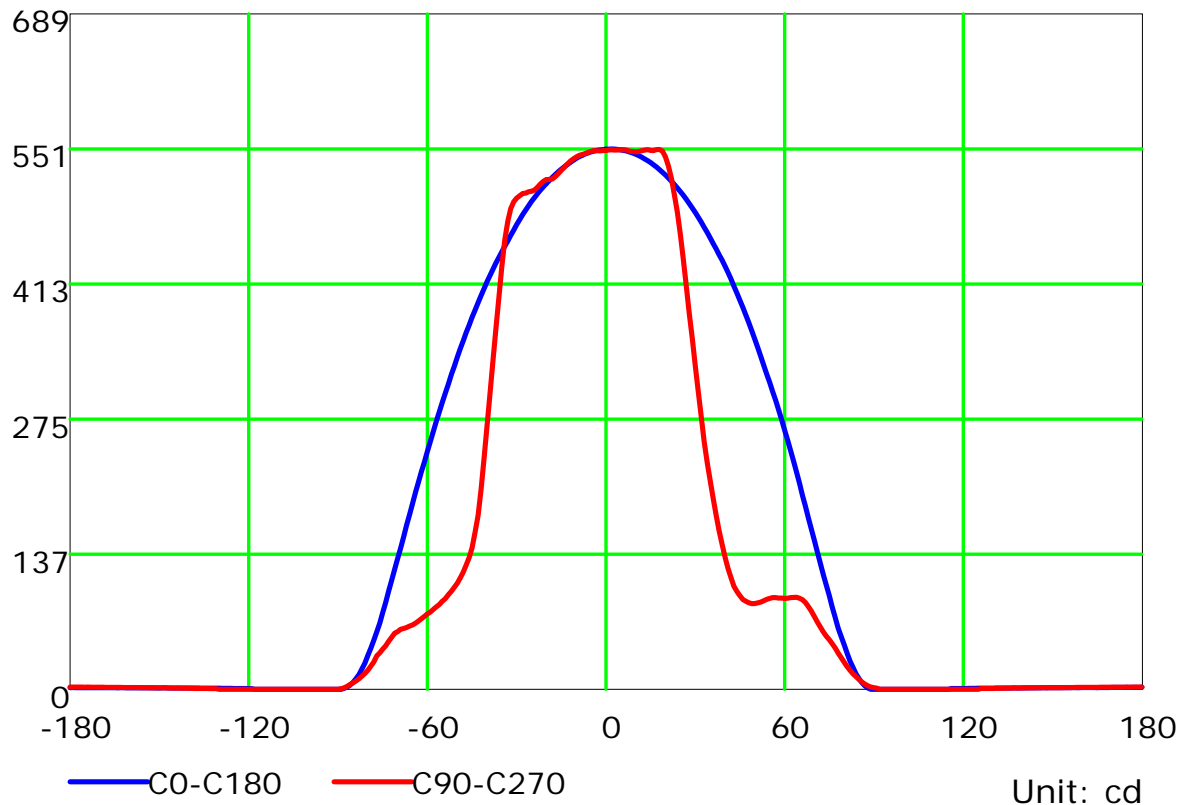
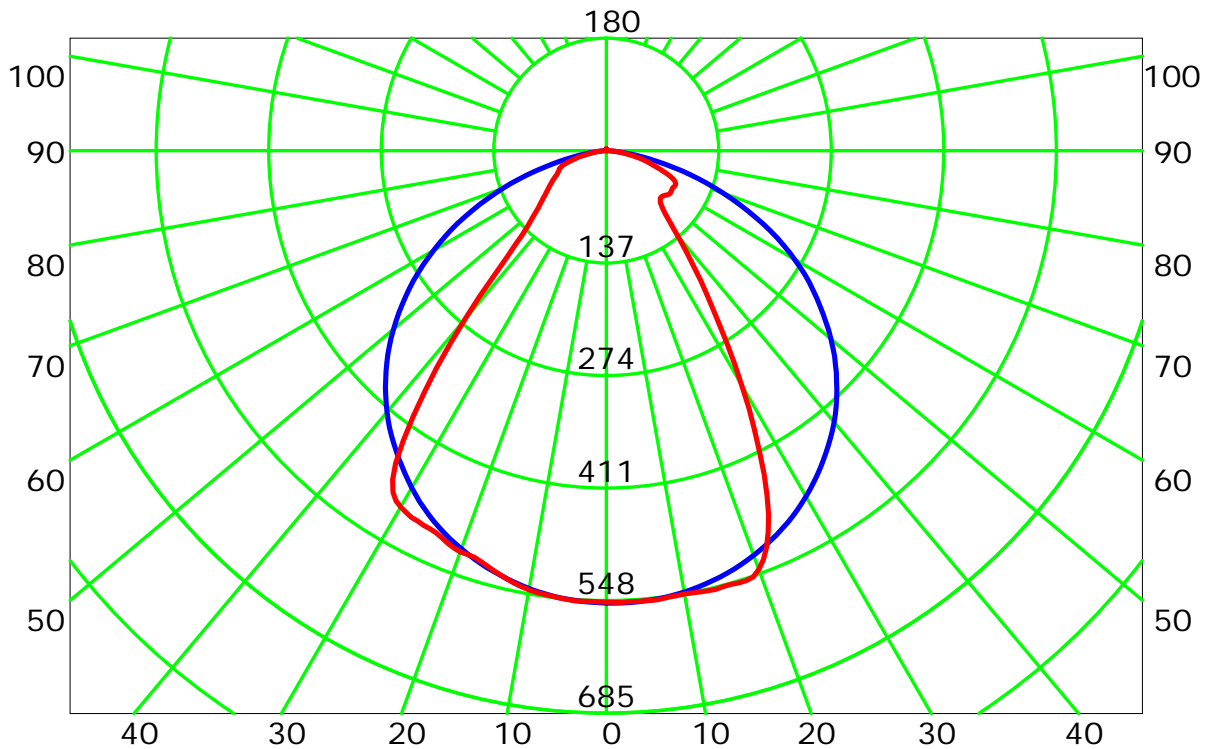
Distance: 7.970 m

Humidity:

Inspector:



Luminous Intensity Distribution Curve

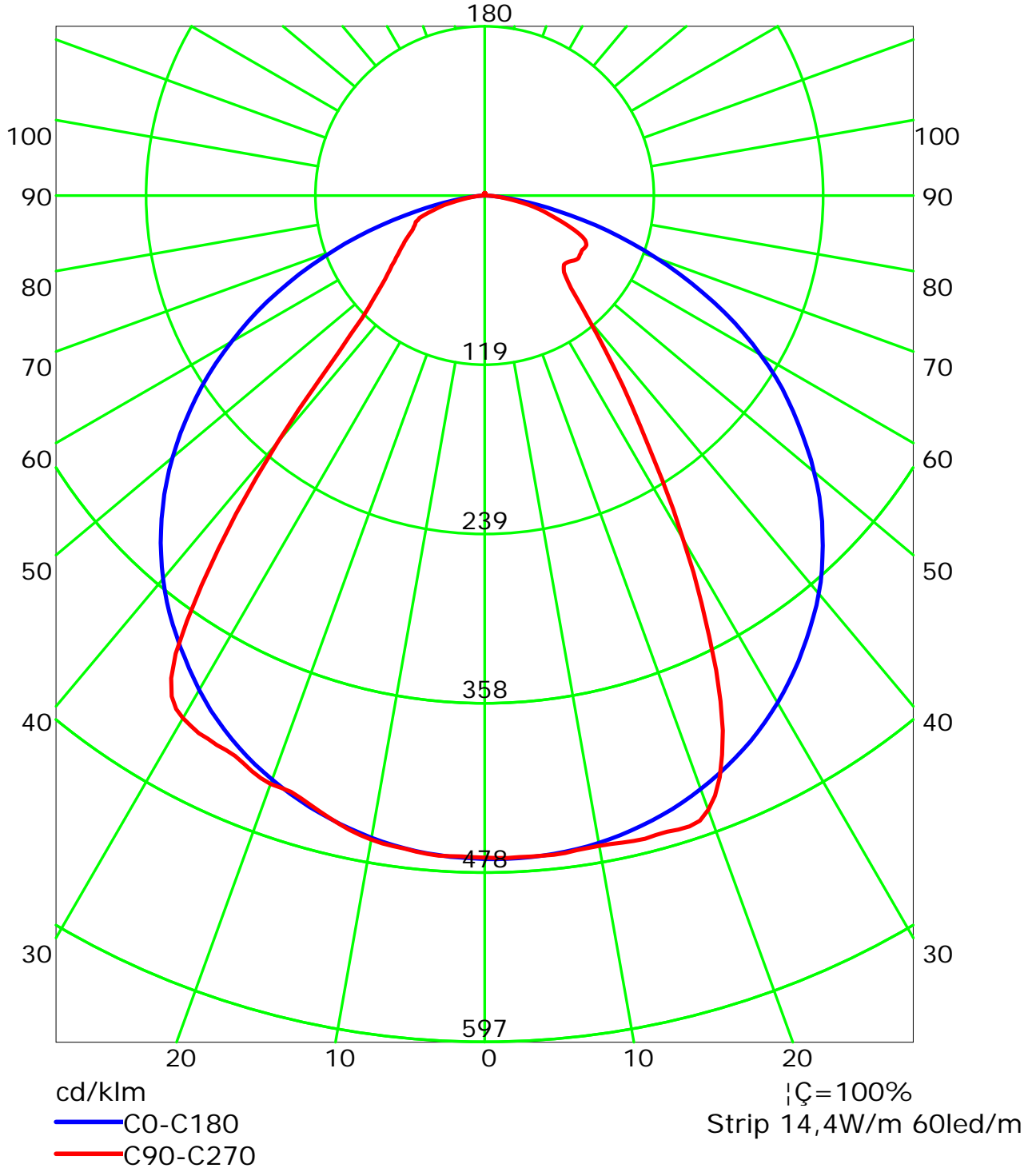


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



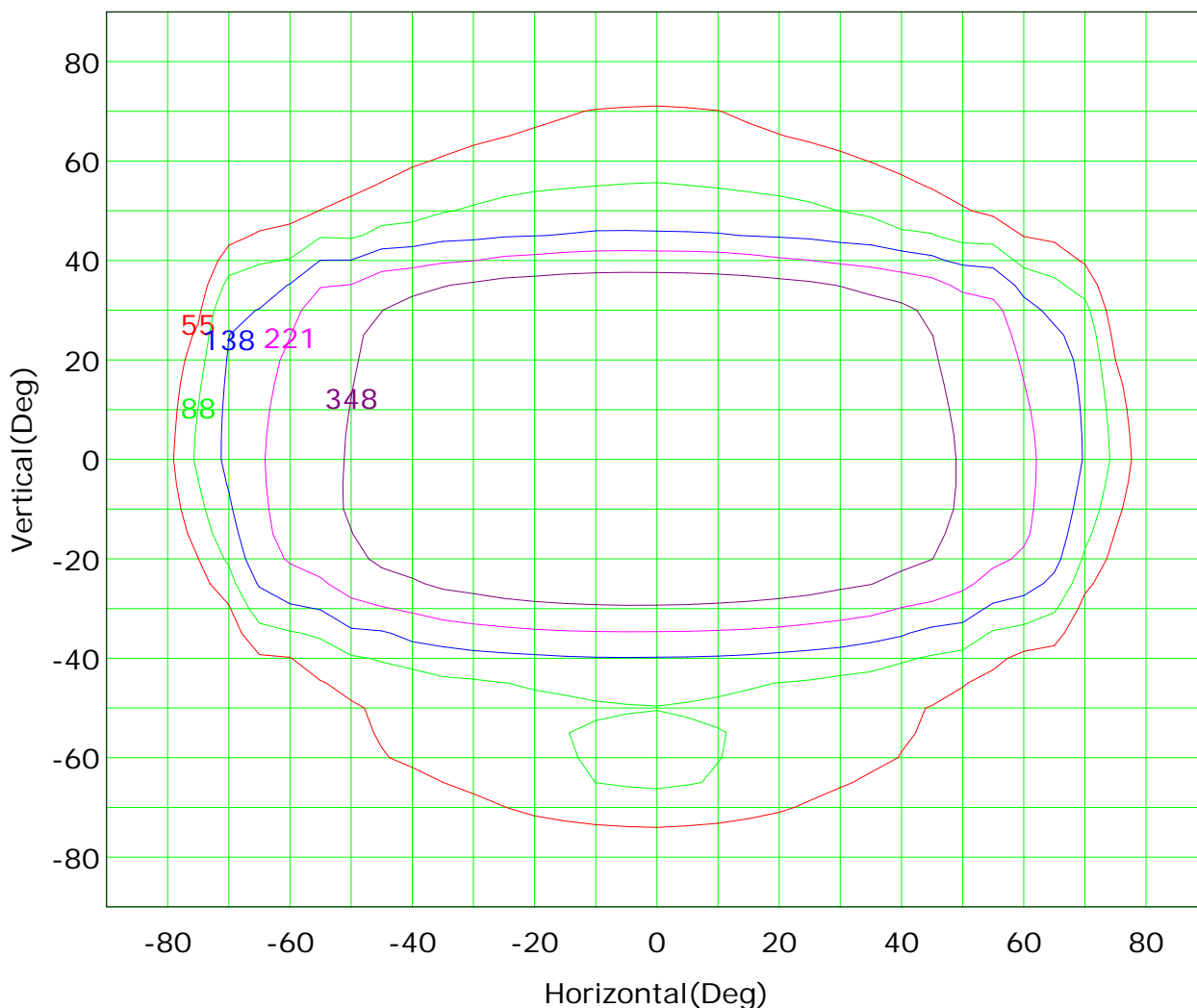
Luminous Intensity Distribution Curve(cd/klm)



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)



Imax (100%): 552 cd

- | | | | |
|-----------|--------|-----------|--------|
| — (10%): | 55 cd | — (16%): | 88 cd |
| — (25%): | 138 cd | — (40%): | 221 cd |
| — (63%): | 348 cd | — (100%): | 552 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

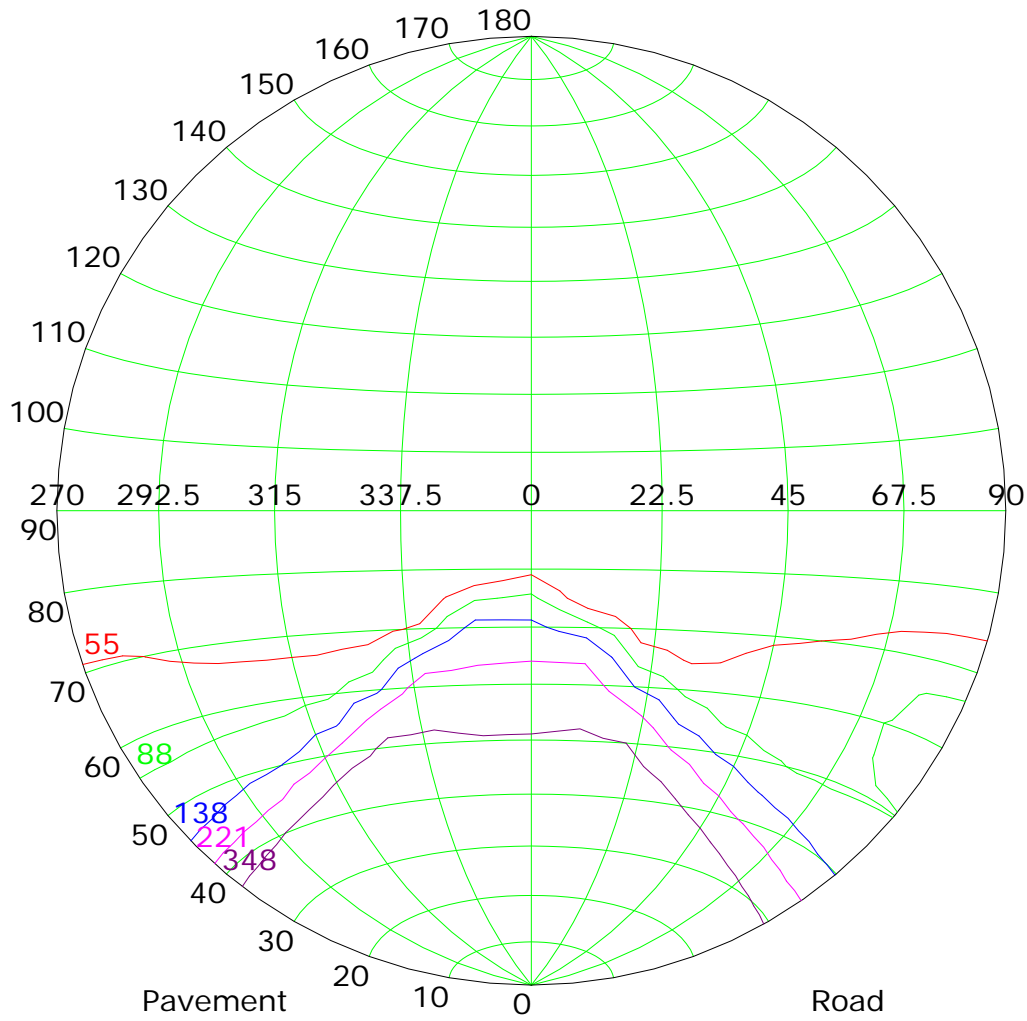
Distance: 7.970 m

Humidity:

Inspector:



Isocandela (sphere)



Imax (100%): 552 cd

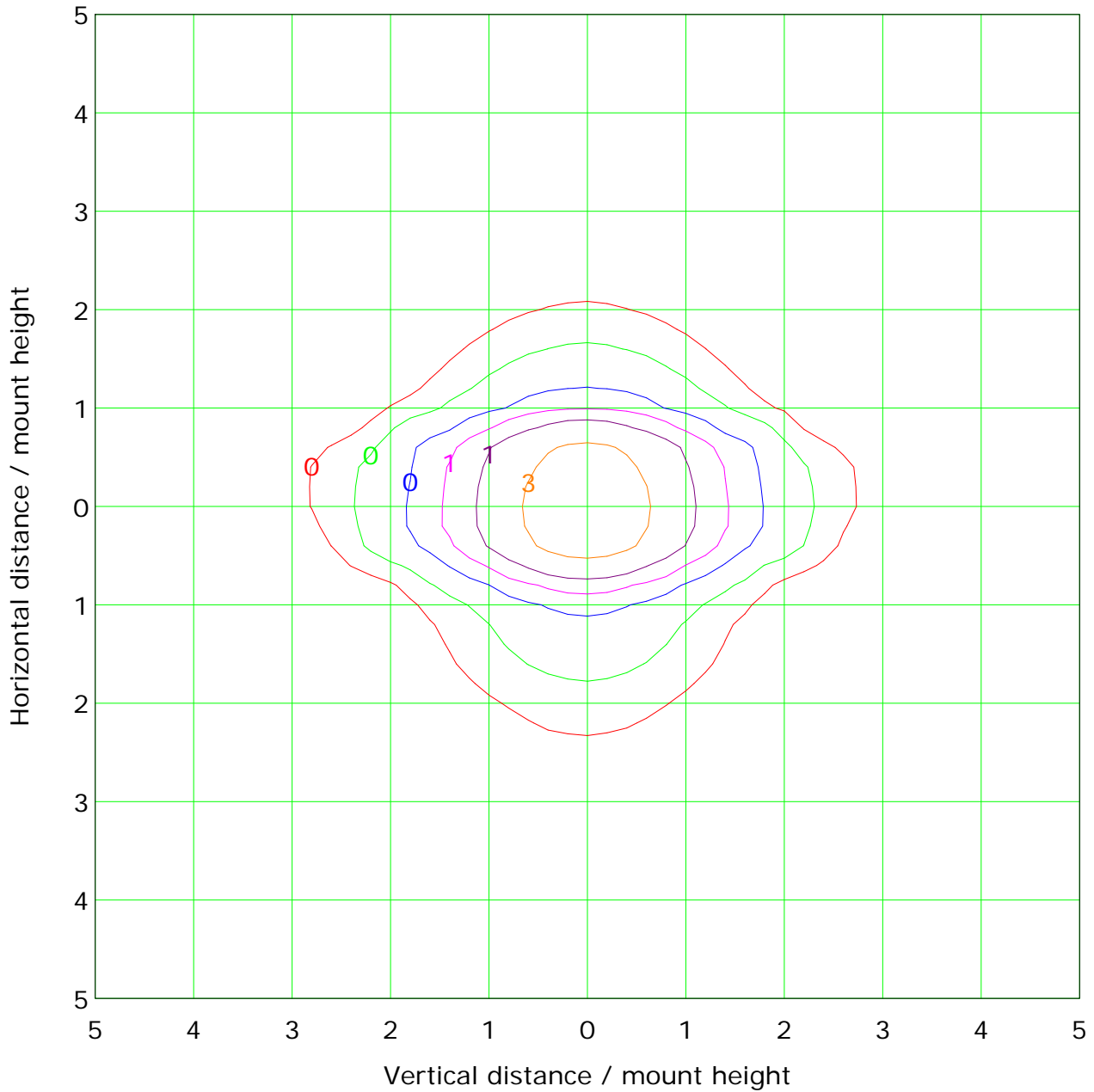
— (10%):	55 cd	— (16%):	88 cd
— (25%):	138 cd	— (40%):	221 cd
— (63%):	348 cd	— (100%):	552 cd

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%): 5.5 lx	
— (1%):	0.1 lx	— (2%):	0.1 lx
— (5%):	0.3 lx	— (10%):	0.6 lx
— (20%):	1.1 lx	— (50%):	2.8 lx
— (100%):	5.5 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	397	357	313	265	210	152	96	46	11
C90	95	88	93	93	93	74	51	28	10
C180	380	339	293	243	190	133	78	35	7
C270	144	108	90	77	66	59	41	20	7

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

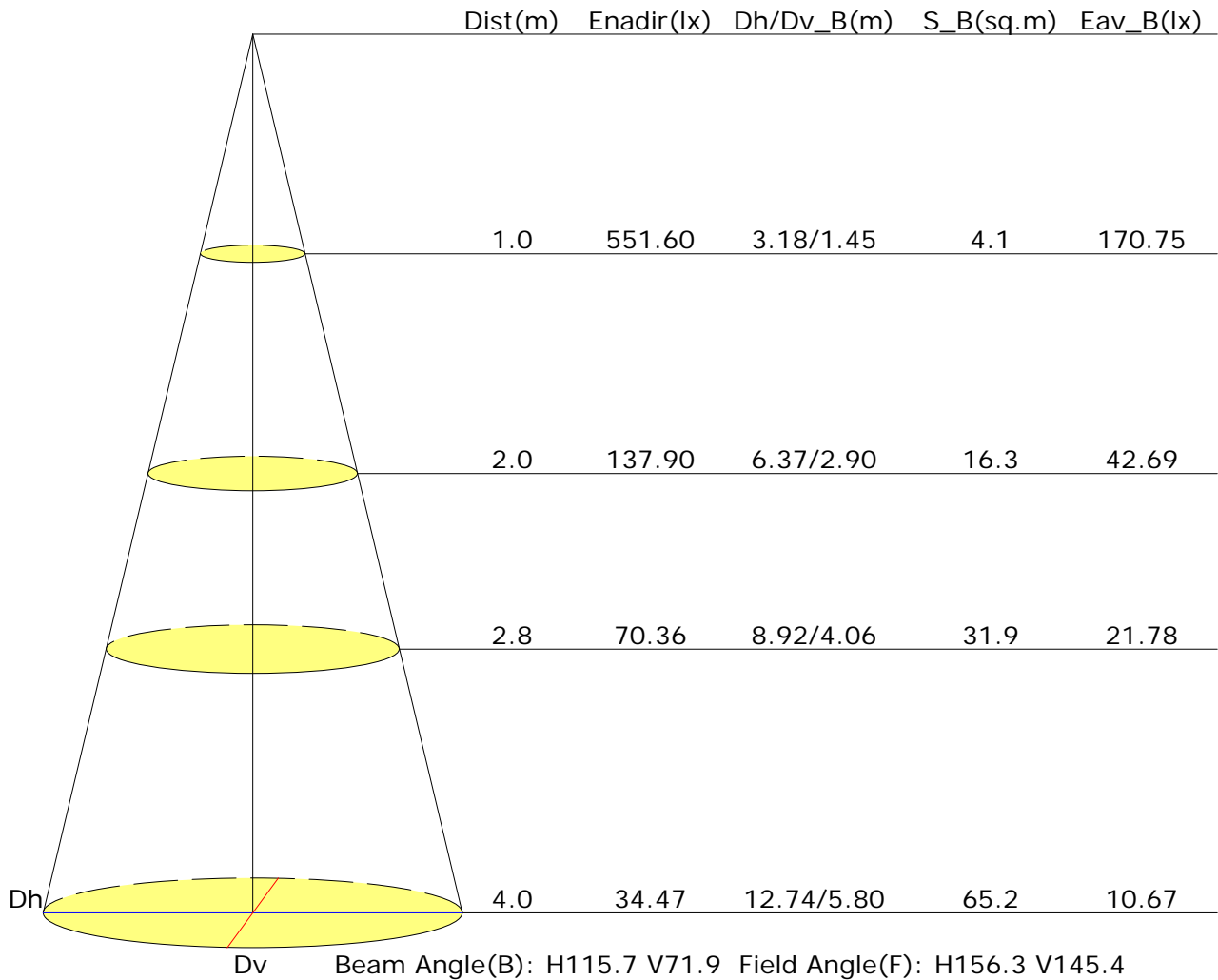
Distance: 7.970 m

Humidity:

Inspector:

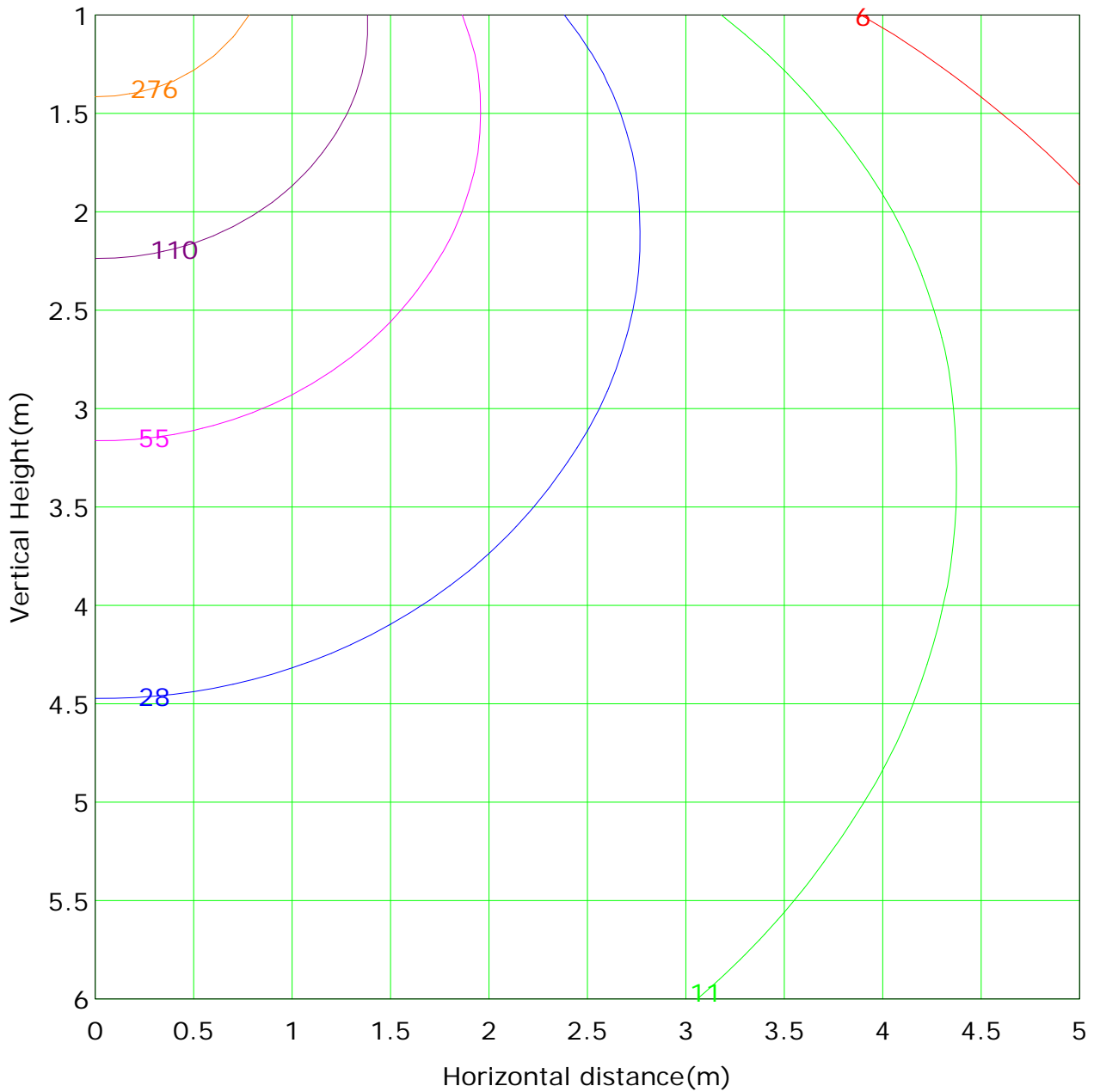


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 551.6 lx
— (1%): 5.5 lx	— (2%): 11.0 lx	
— (5%): 27.6 lx	— (10%): 55.2 lx	
— (20%): 110.3 lx	— (50%): 275.8 lx	
— (100%): 551.6 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: 13/09/2018 12:35

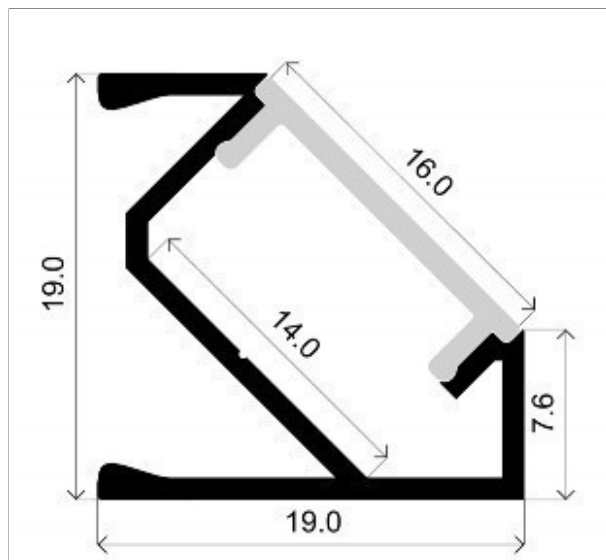
Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-AN01-03 + LLD-03-FH
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1
 Lumens per Lamp: 1579 lm Voltage: 24.0 V
 Current: 0.590 A Power: 14.16 W
 Power Factor: 1.000

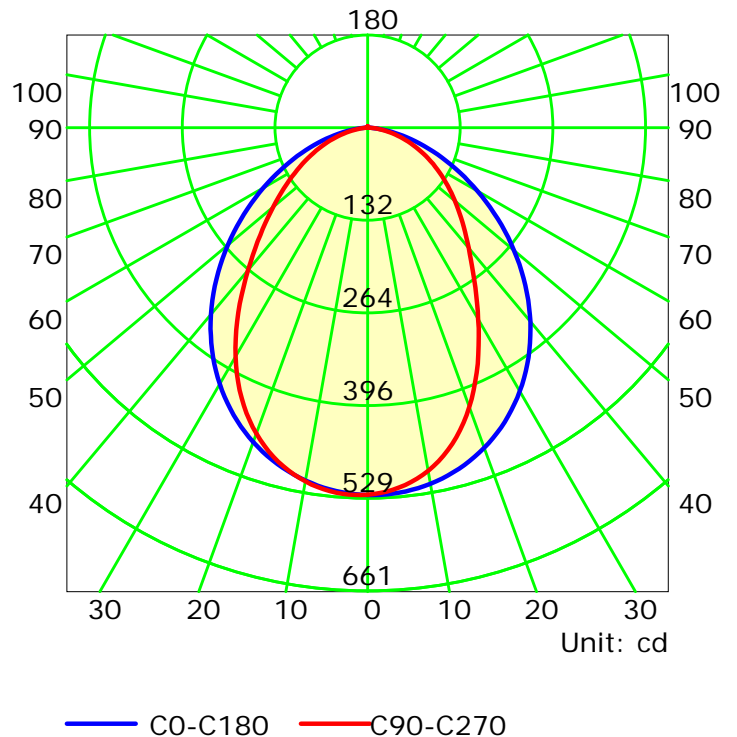
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 1113.9 lm	Efficiency: 70.54%
Downward Ratio: 70.31%	Upward Ratio: 0.23%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 153.2, 145.1, 147.5, 147.5	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 100.9, 75.7, 85.5, 85.7	
Luminaire Efficacy Rating (LER): 78.71	Central Intensity: 524.48 cd
Max. Intensity: 524.8 cd	Pos of Max. Intensity: H290 V2
S/MH(C0/C180): 1.22	S/MH(C90/C270): 1.04

Picture Of Luminaire



Luminous Intensity Distribution Curve

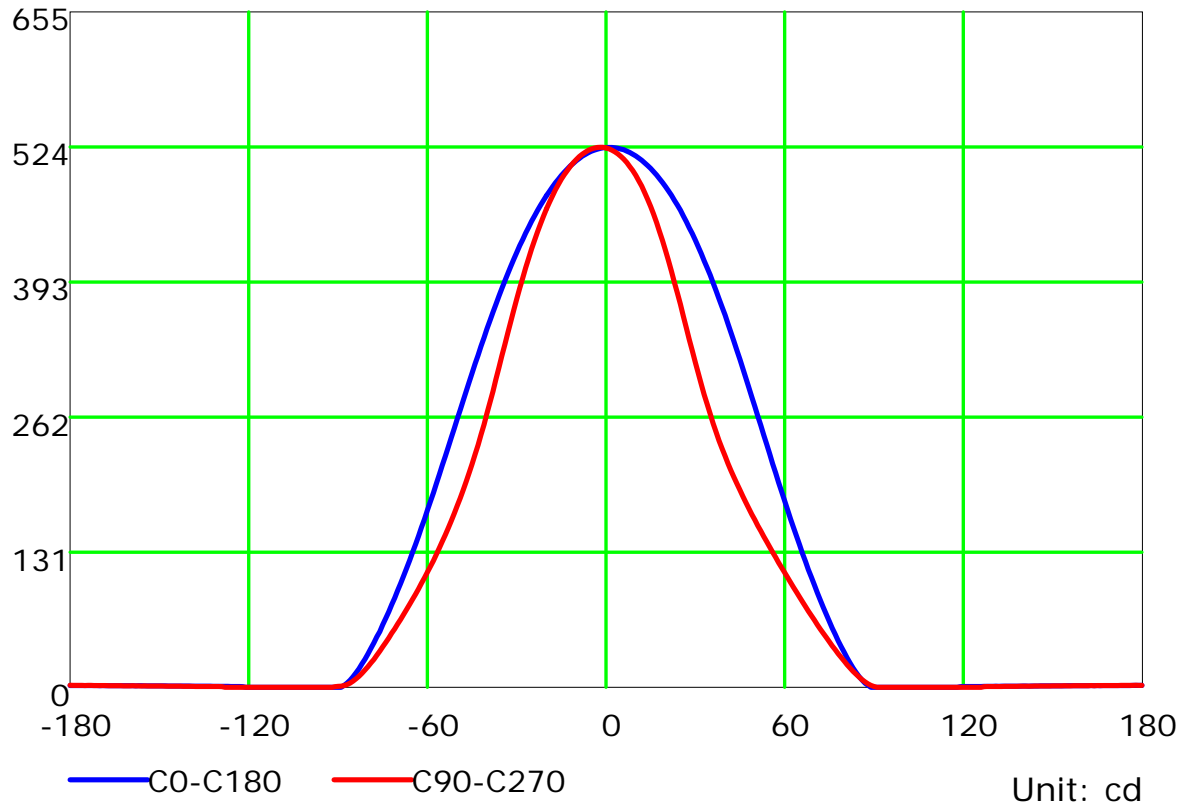
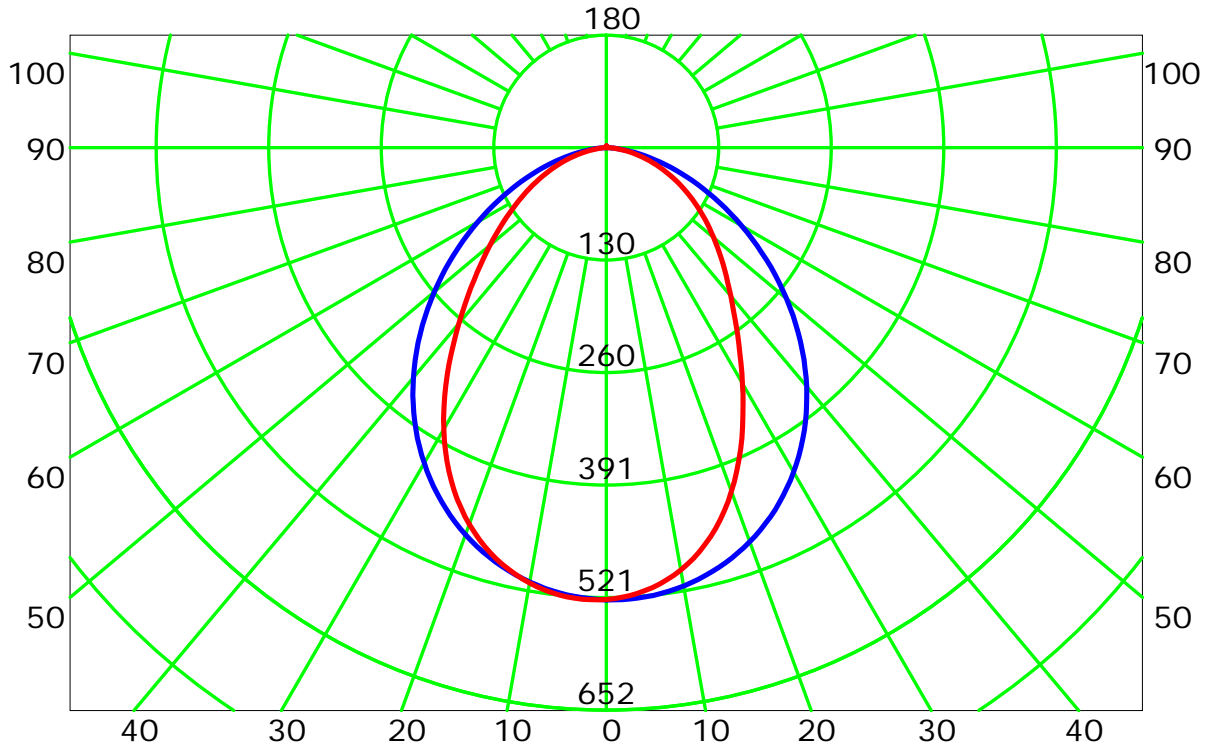


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Luminous Intensity Distribution Curve

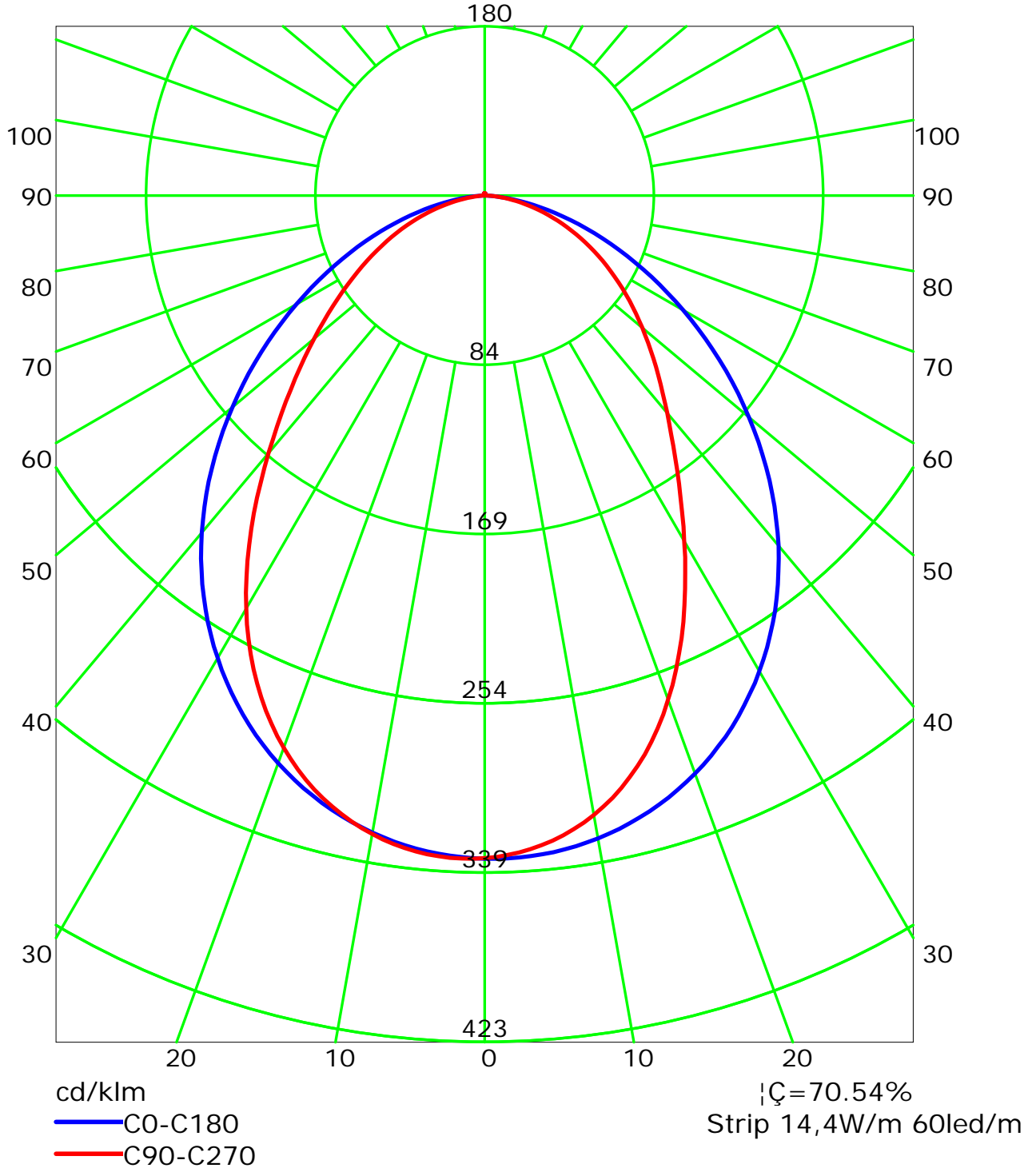


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Luminous Intensity Distribution Curve(cd/klm)

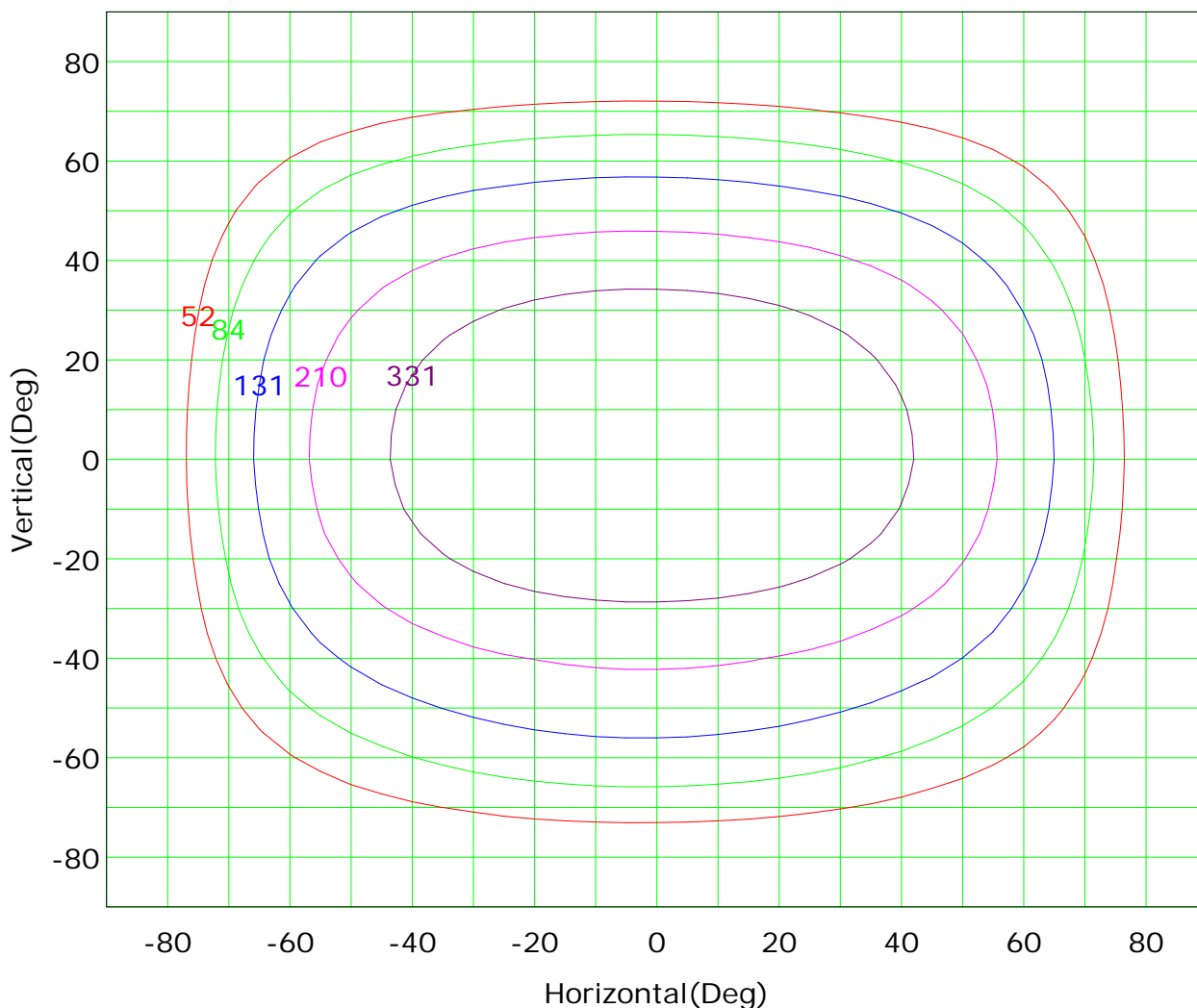


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Isocandela (rectangle)



Imax (100%): 525 cd

— (10%):	52 cd	— (16%):	84 cd
— (25%):	131 cd	— (40%):	210 cd
— (63%):	331 cd	— (100%):	525 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

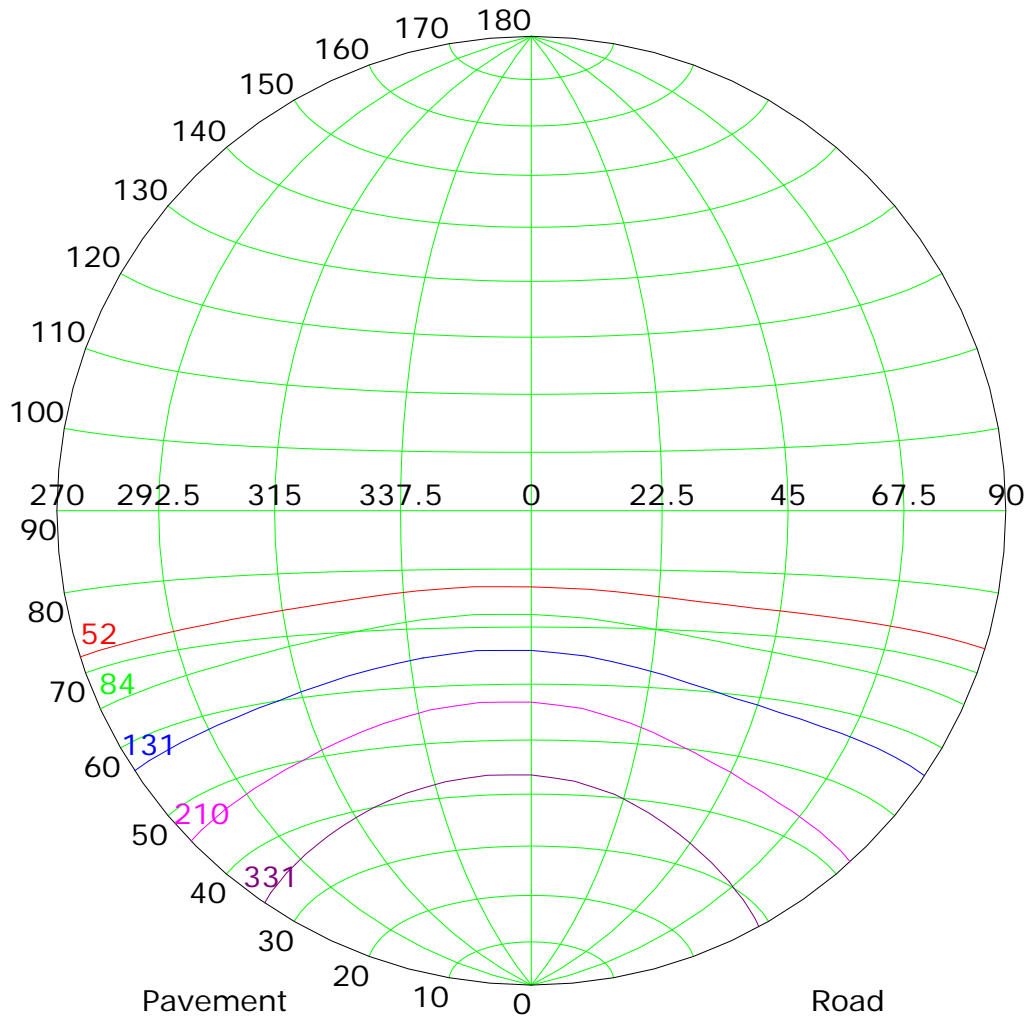
Distance: 7.970 m

Humidity:

Inspector:



Isocandela (sphere)



Imax (100%): 525 cd

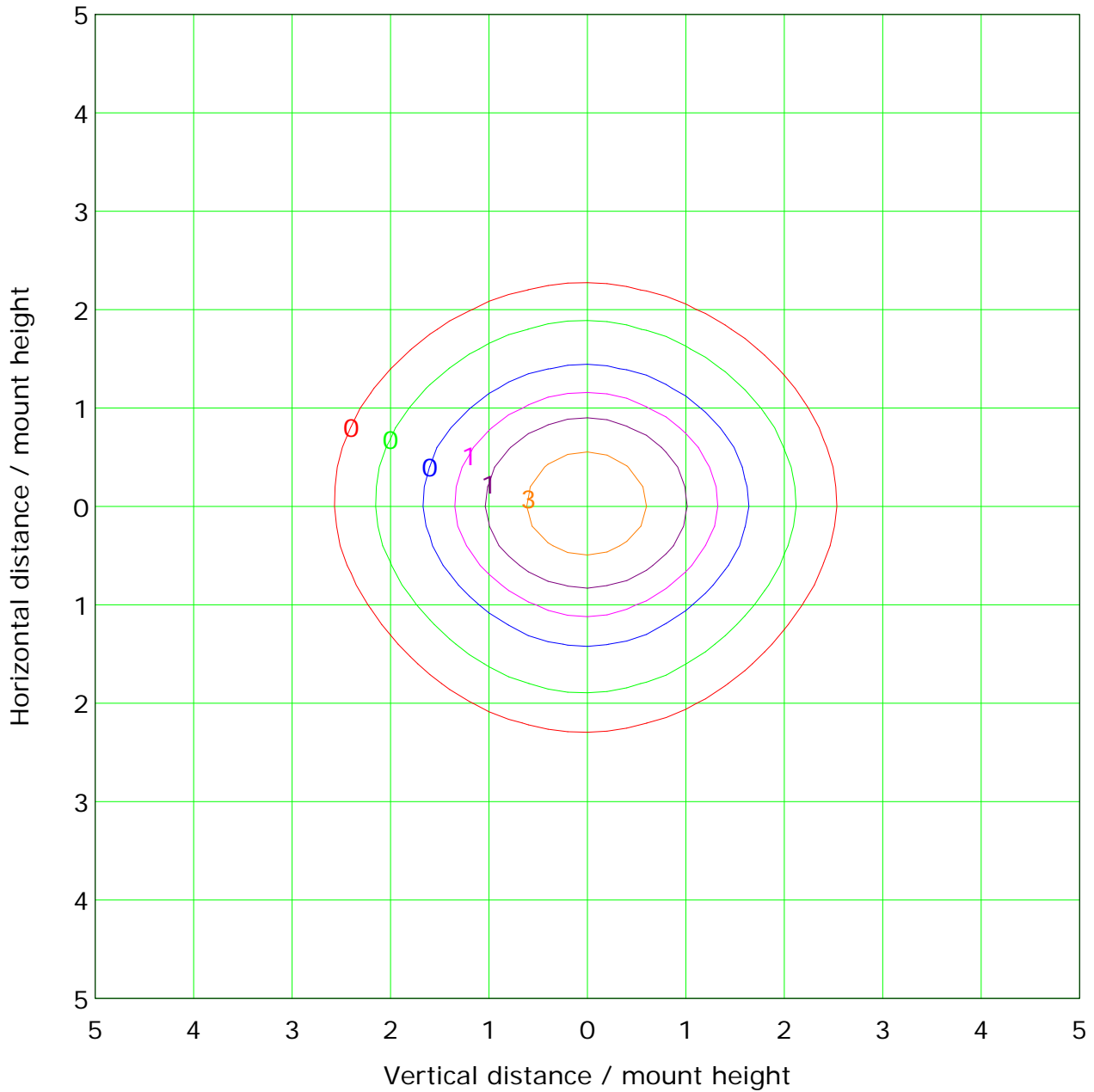
- | | | | |
|-----------|--------|-----------|--------|
| — (10%): | 52 cd | — (16%): | 84 cd |
| — (25%): | 131 cd | — (40%): | 210 cd |
| — (63%): | 331 cd | — (100%): | 525 cd |

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%): 5.2 lx	
— (1%):	0.1 lx	— (2%):	0.1 lx
— (5%):	0.3 lx	— (10%):	0.5 lx
— (20%):	1.0 lx	— (50%):	2.6 lx
— (100%):	5.2 lx		

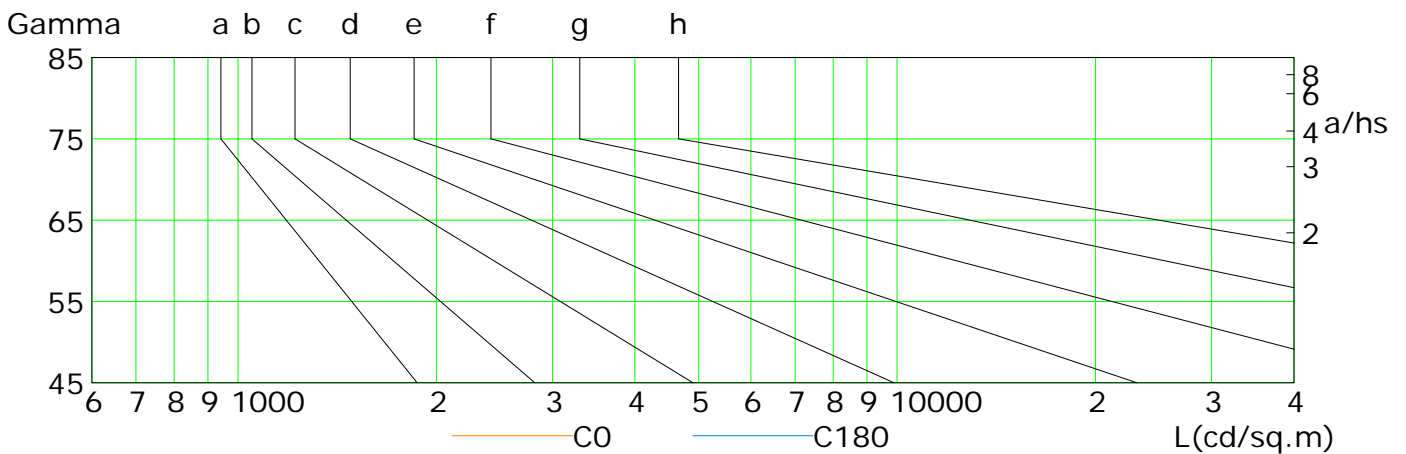
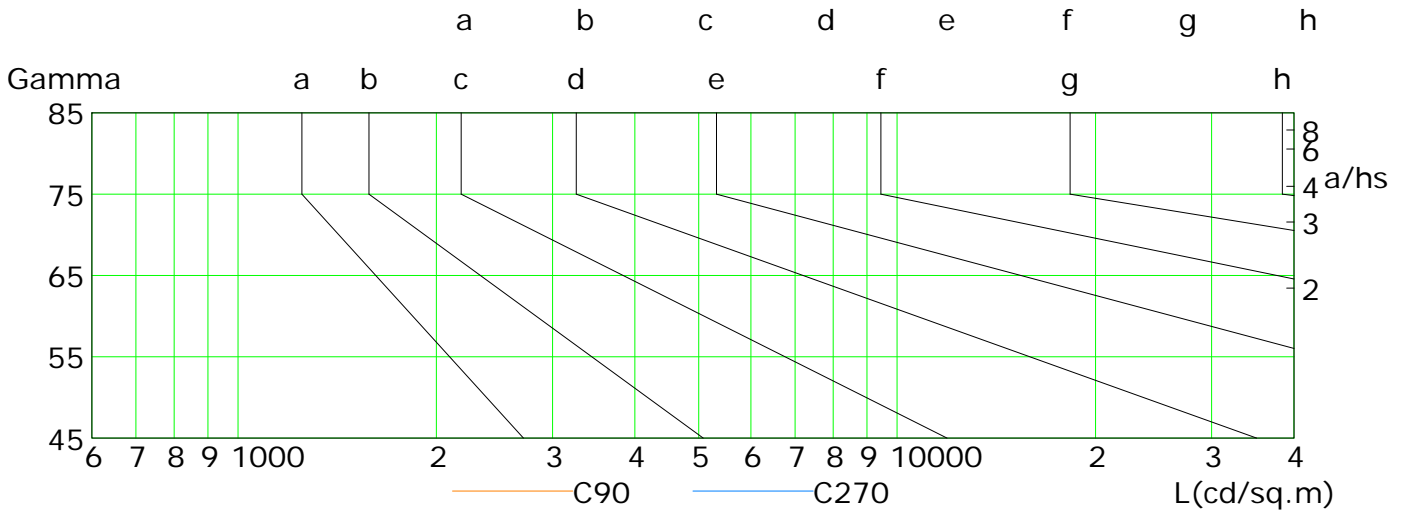
C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



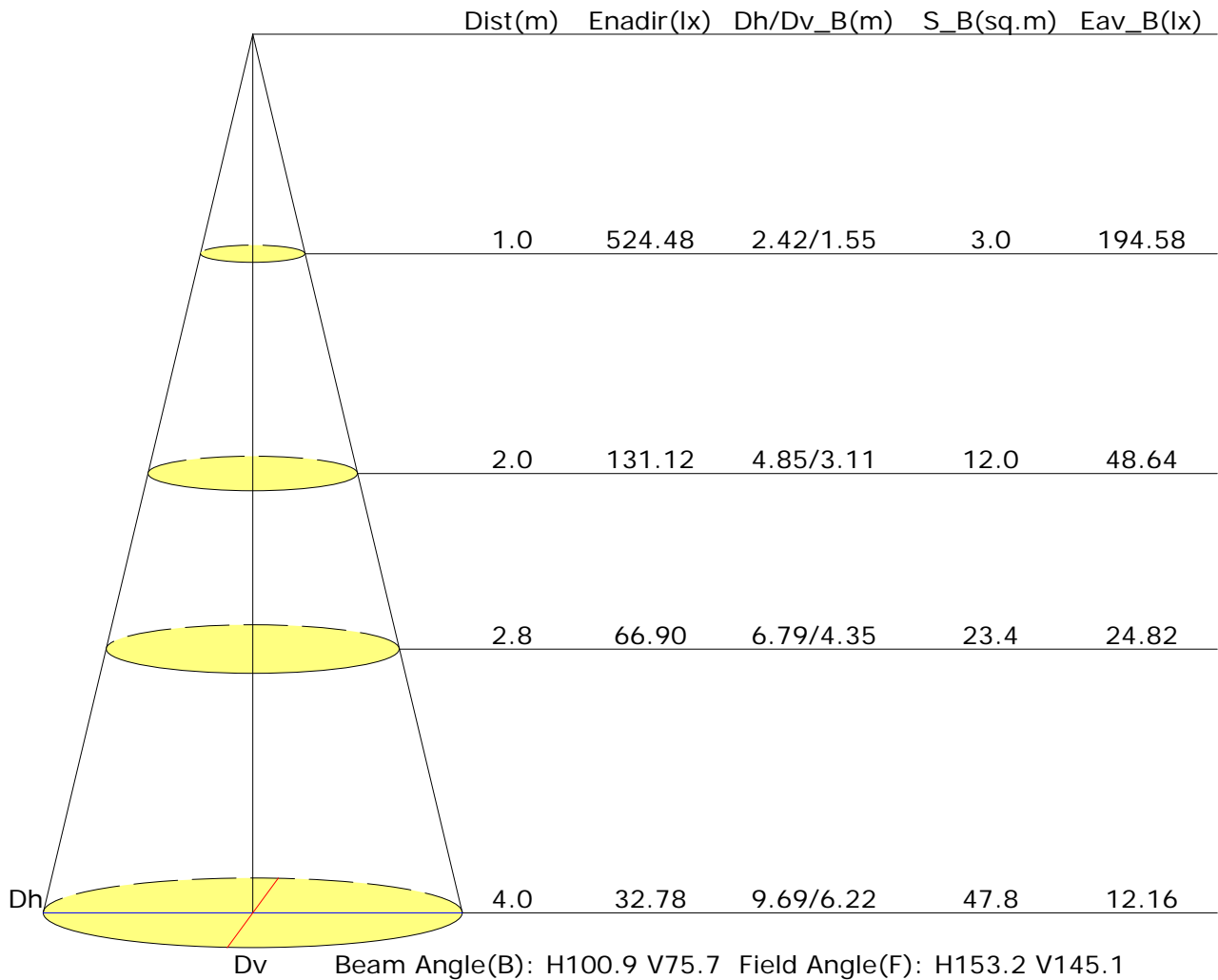
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	319	273	227	181	139	99	64	34	11
C90	192	163	136	111	88	65	44	26	10
C180	305	260	216	172	131	94	61	32	10
C270	217	176	142	112	85	61	39	20	6

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

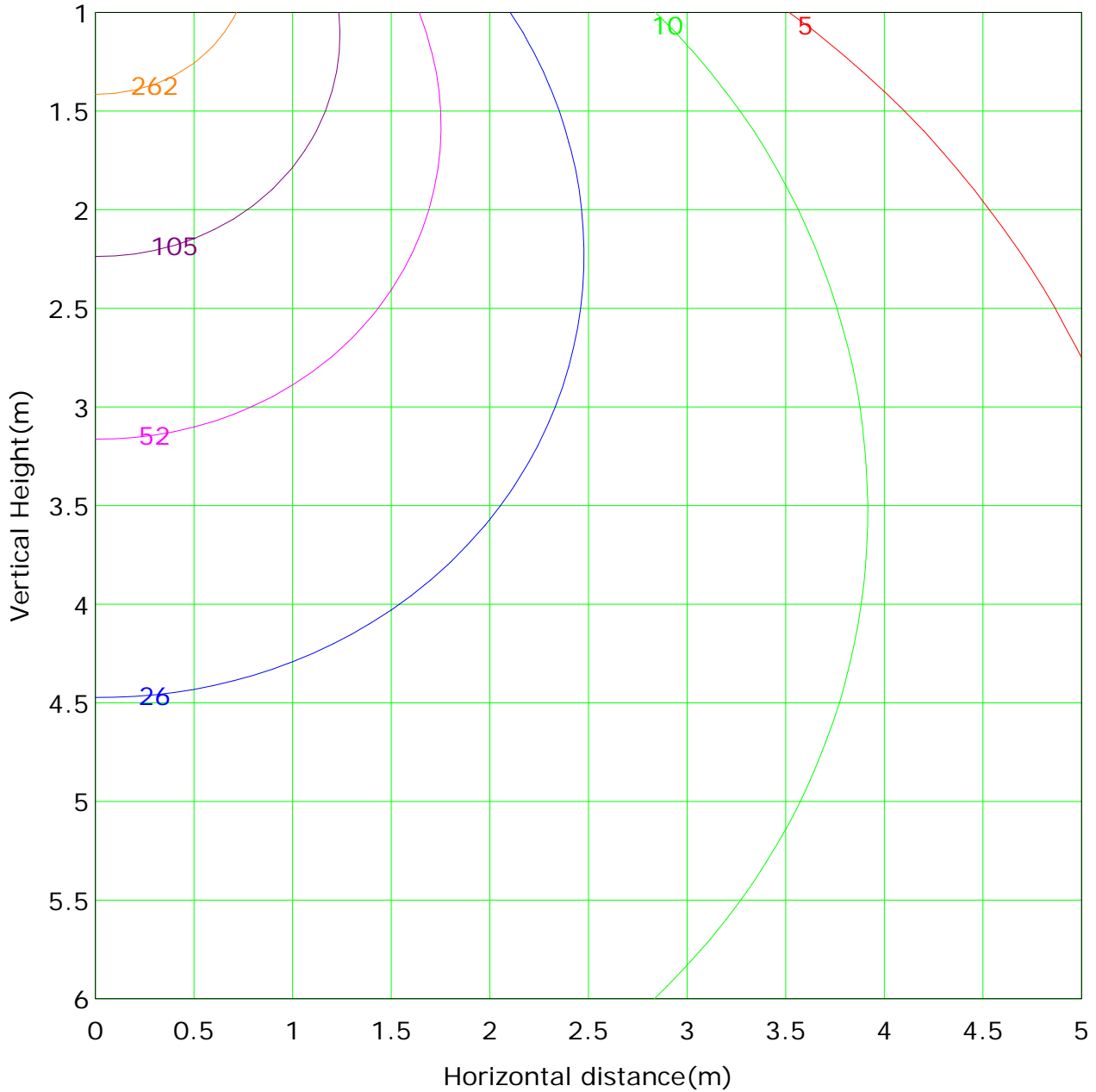


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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): 6.0m	Max Lux: 524.5 lx
— (1%): 5.2 lx	— (2%): 10.5 lx	
— (5%): 26.2 lx	— (10%): 52.4 lx	
— (20%): 104.9 lx	— (50%): 262.2 lx	
— (100%): 524.5 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 10:17

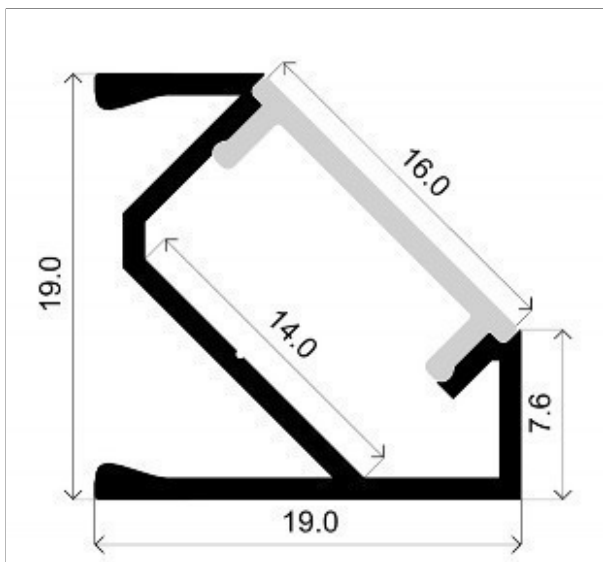
Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-AN01-03 + LLD-03-FM
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1
 Lumens per Lamp: 1579 lm Voltage: 24.0 V
 Current: 0.591 A Power: 14.17 W
 Power Factor: 1.000

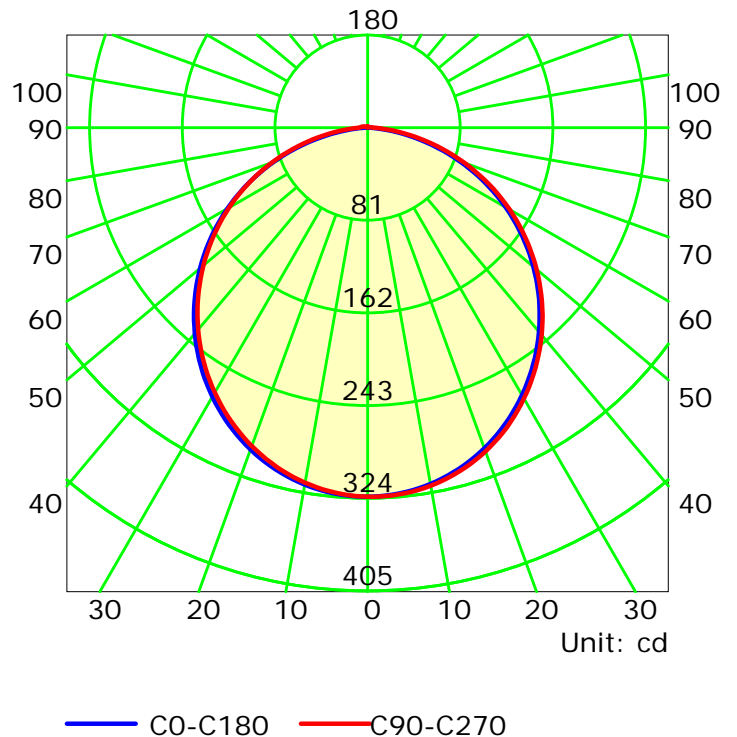
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 927.9 lm	Efficiency: 58.76%
Downward Ratio: 58.23%	Upward Ratio: 0.53%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.9, 162.6, 161.6, 161.7	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.9, 112.1, 112.2, 112.3	
Luminaire Efficacy Rating (LER): 65.53	Central Intensity: 323.31 cd
Max. Intensity: 323.39 cd	Pos of Max. Intensity: H100 V1
S/MH(C0/C180): 1.25	S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve

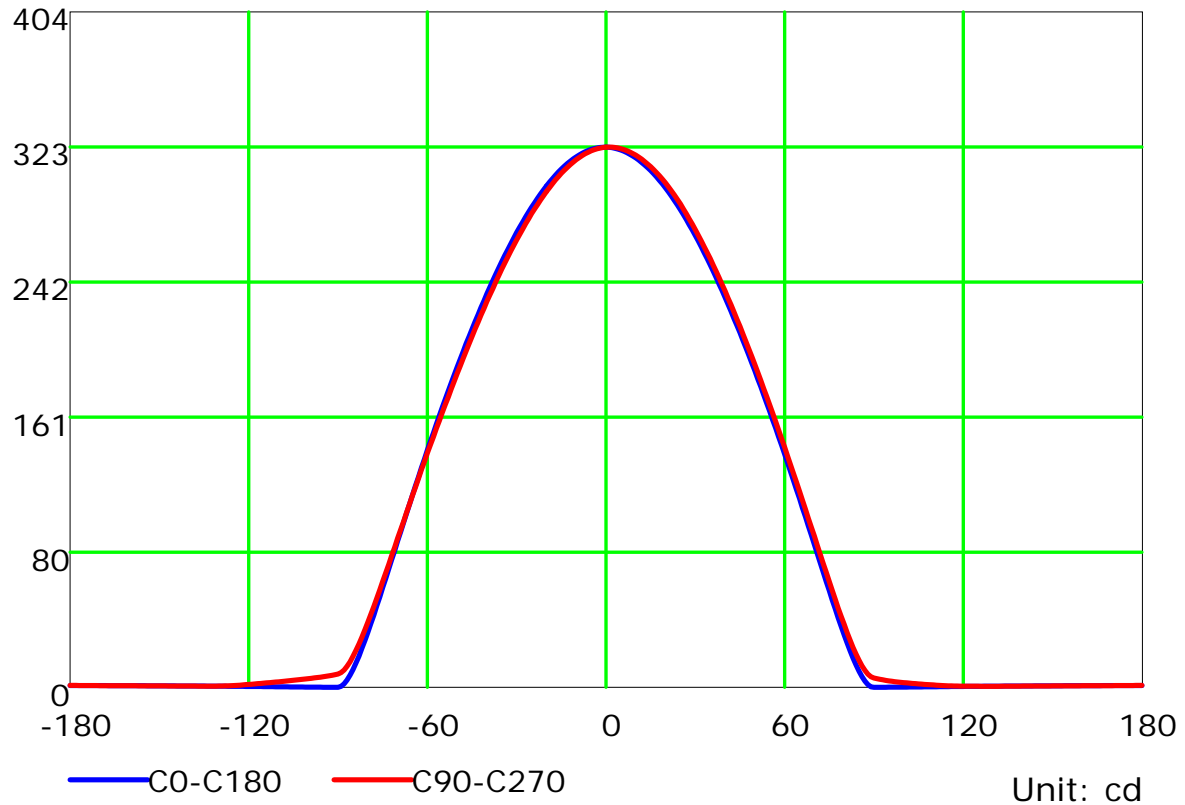
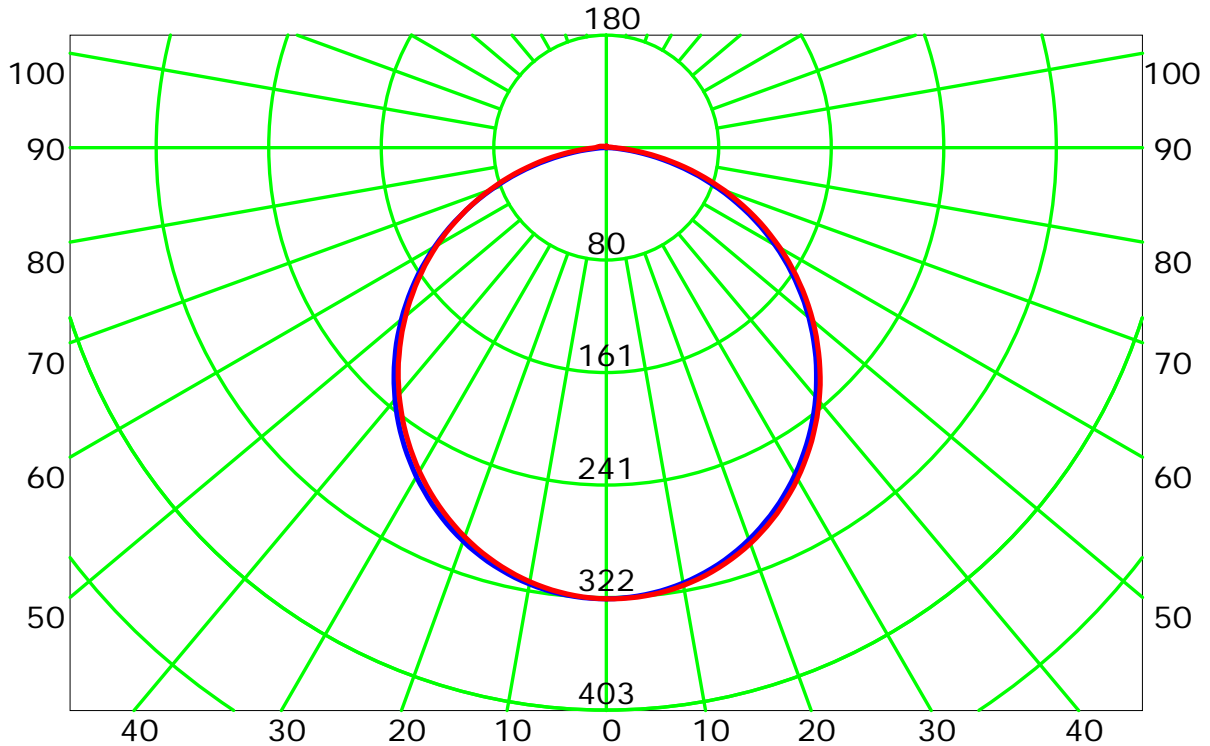


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Luminous Intensity Distribution Curve

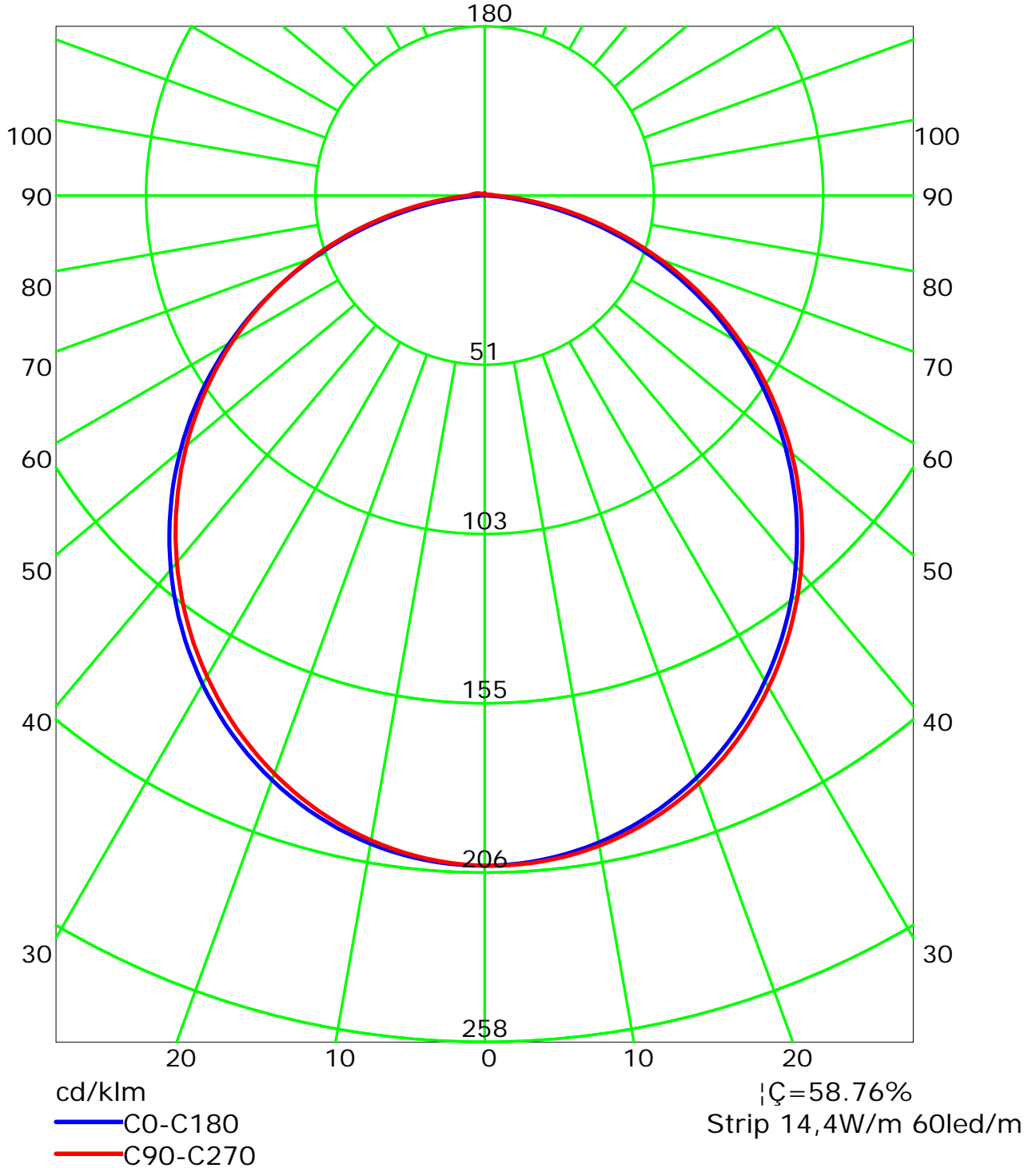


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Luminous Intensity Distribution Curve(cd/klm)

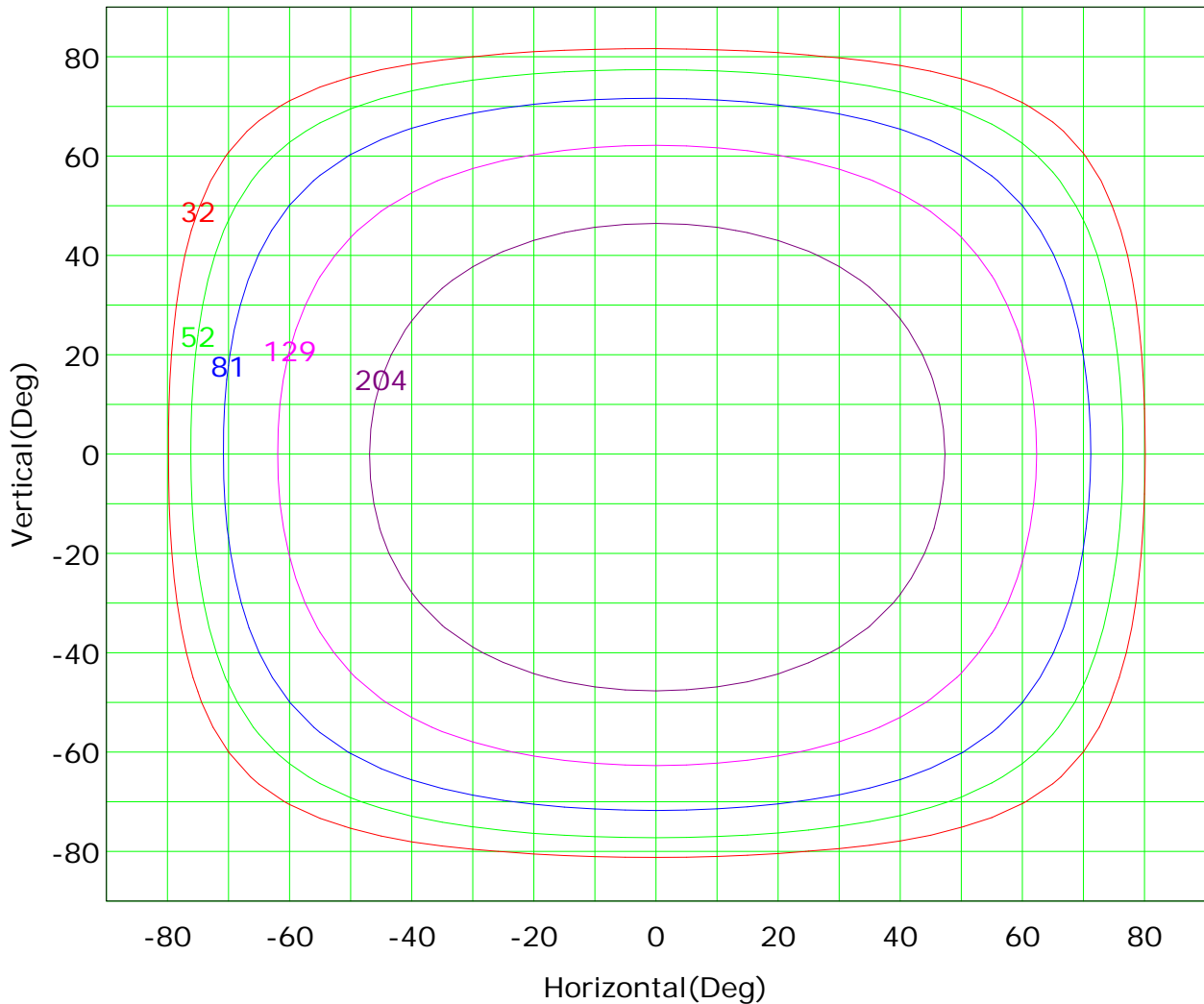


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



Isocandela (rectangle)



Imax (100%): 323 cd

— (10%):	32 cd	— (16%):	52 cd
— (25%):	81 cd	— (40%):	129 cd
— (63%):	204 cd	— (100%):	323 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

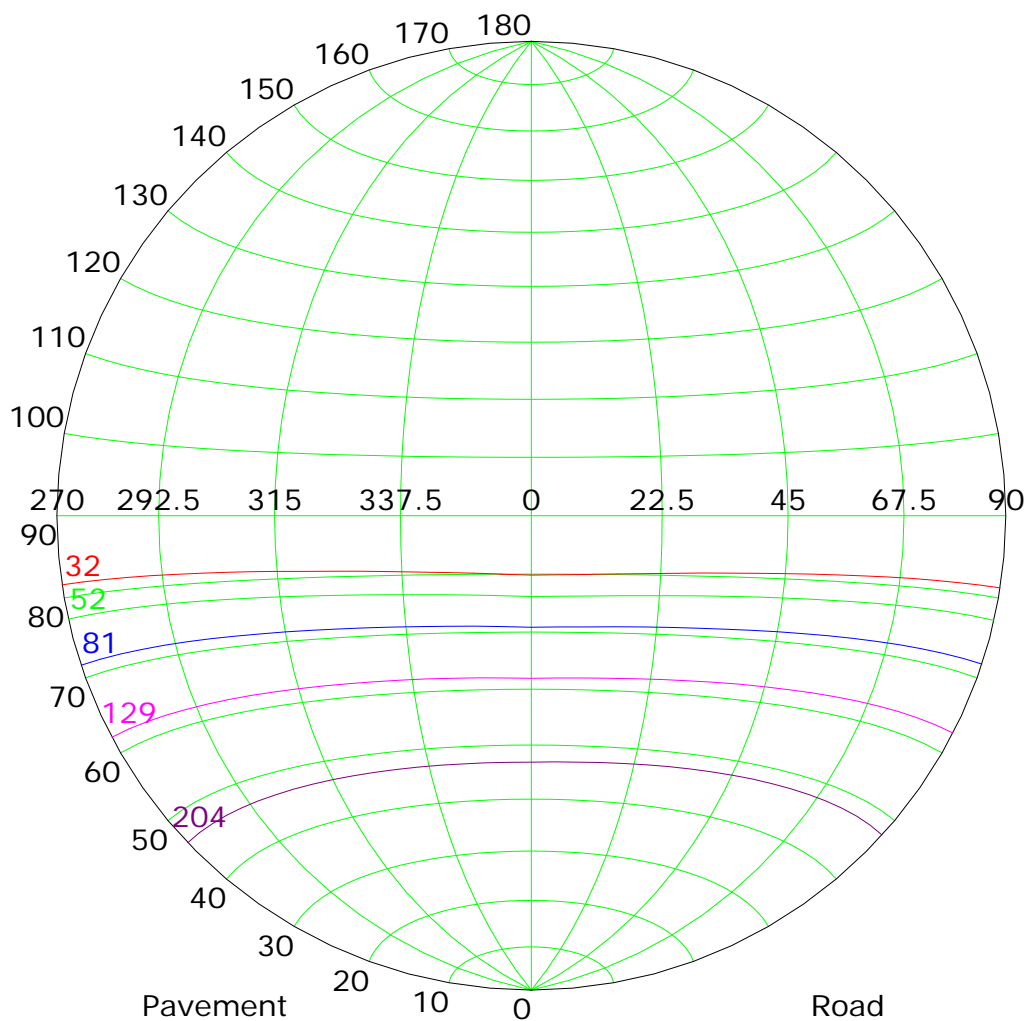
Distance: 7.970 m

Humidity:

Inspector:



Isocandela (sphere)



Imax (100%): 323 cd

— (10%):	32 cd	— (16%):	52 cd
— (25%):	81 cd	— (40%):	129 cd
— (63%):	204 cd	— (100%):	323 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

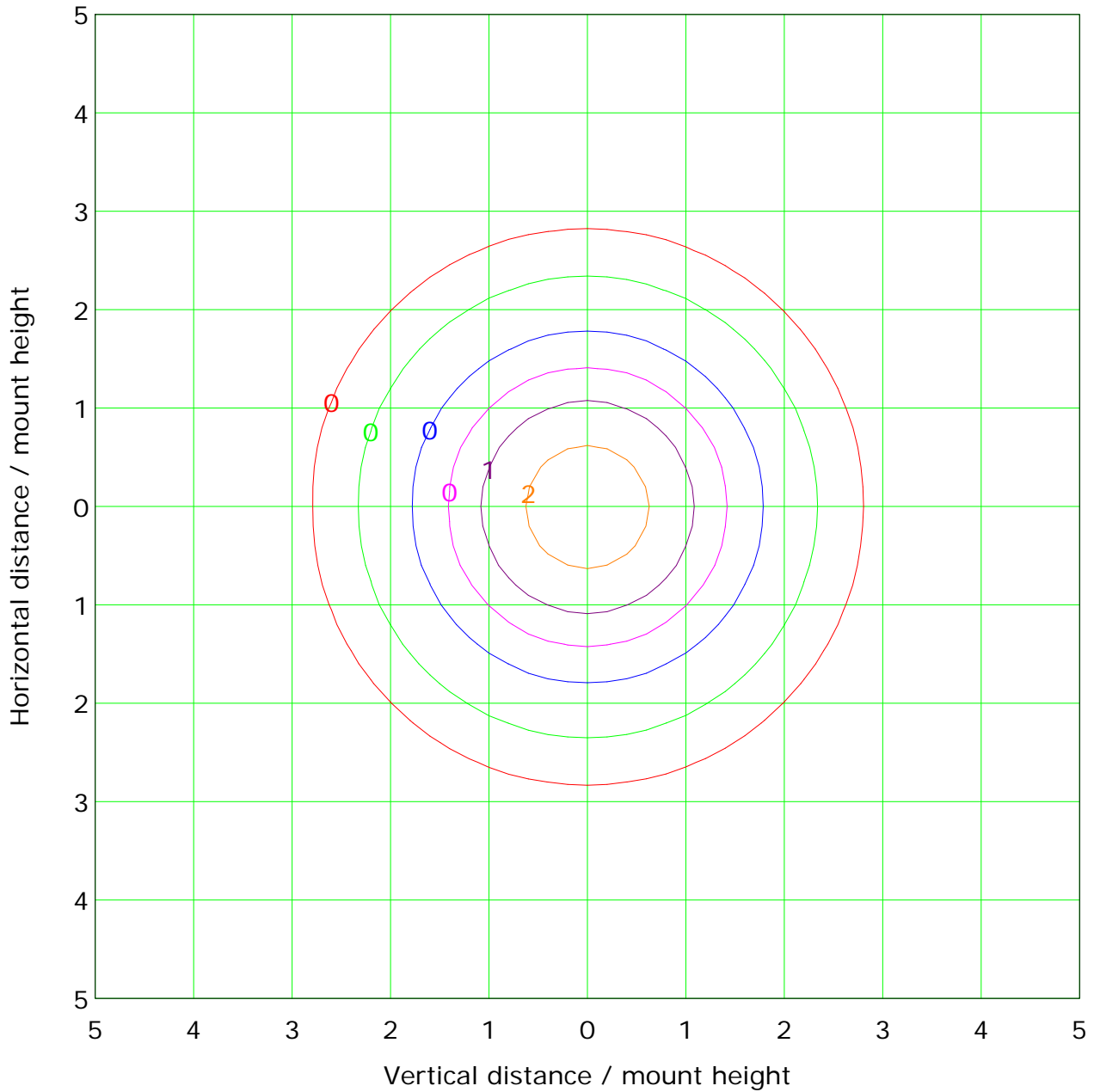
Distance: 7.970 m

Humidity:

Inspector:



IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 3.2 lx	
— (1%):	0.0 lx	— (2%):	0.1 lx
— (5%):	0.2 lx	— (10%):	0.3 lx
— (20%):	0.6 lx	— (50%):	1.6 lx
— (100%):	3.2 lx		

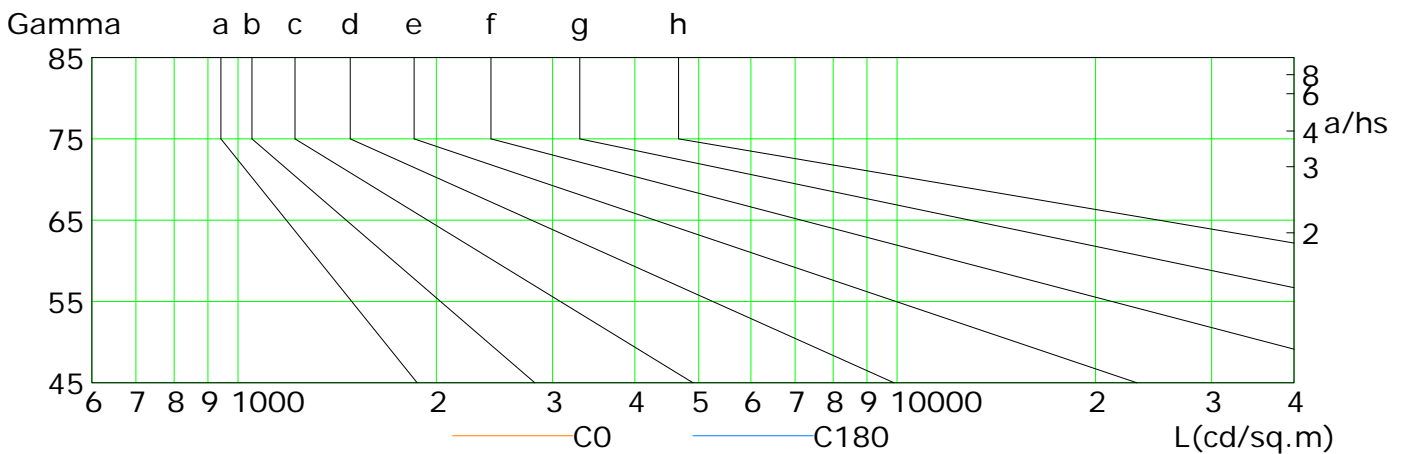
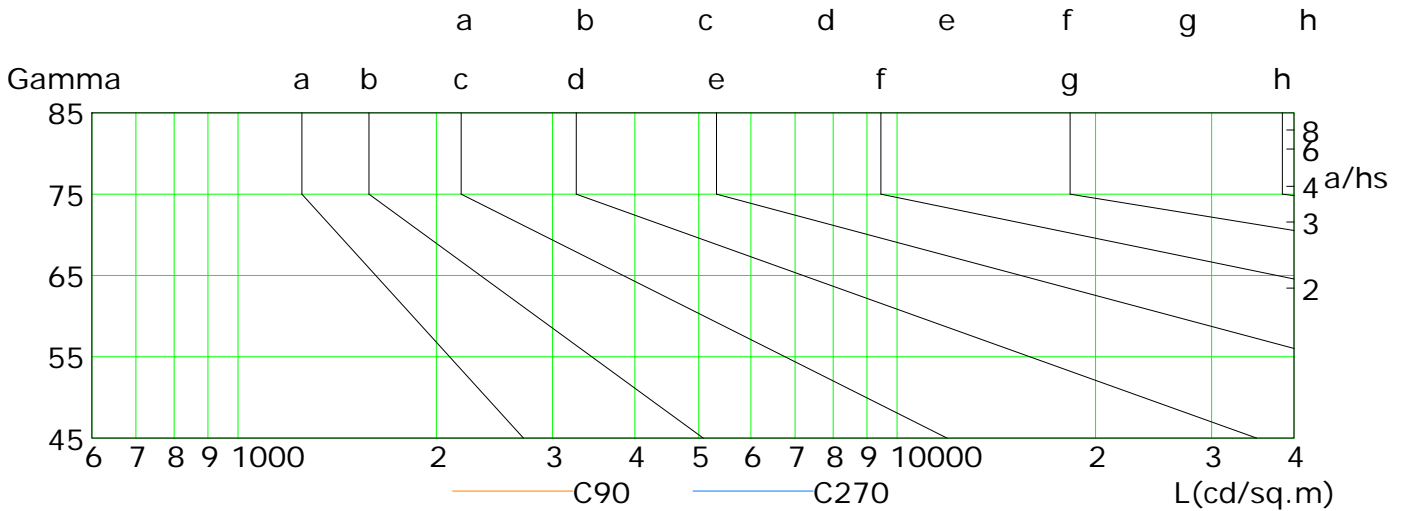
C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	212	190	165	140	113	85	58	31	10
C90	216	193	169	144	117	90	63	38	16
C180	214	192	168	142	115	88	60	33	11
C270	210	188	165	140	115	89	64	39	19

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

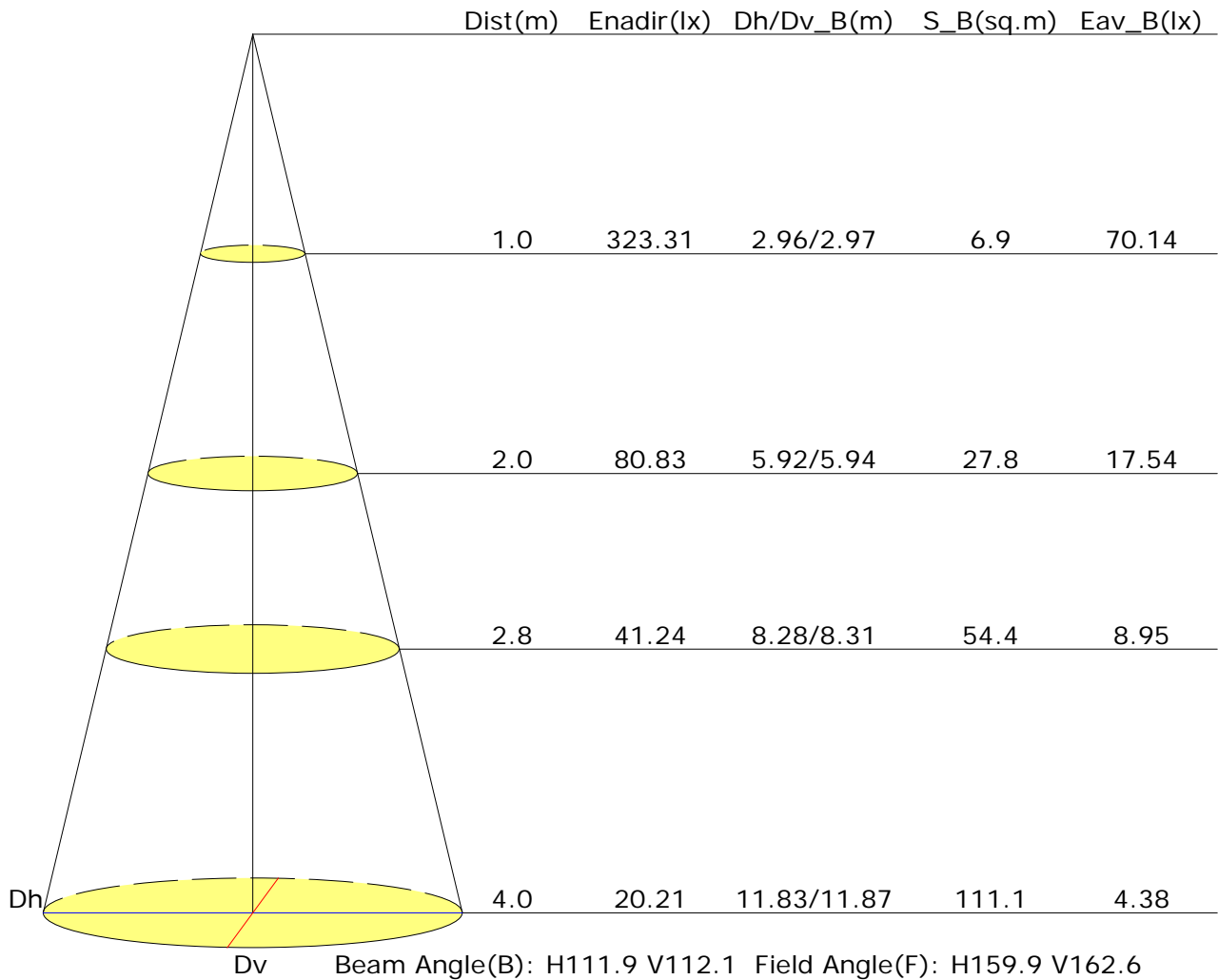
Distance: 7.970 m

Humidity:

Inspector:



Illuminance at a Distance

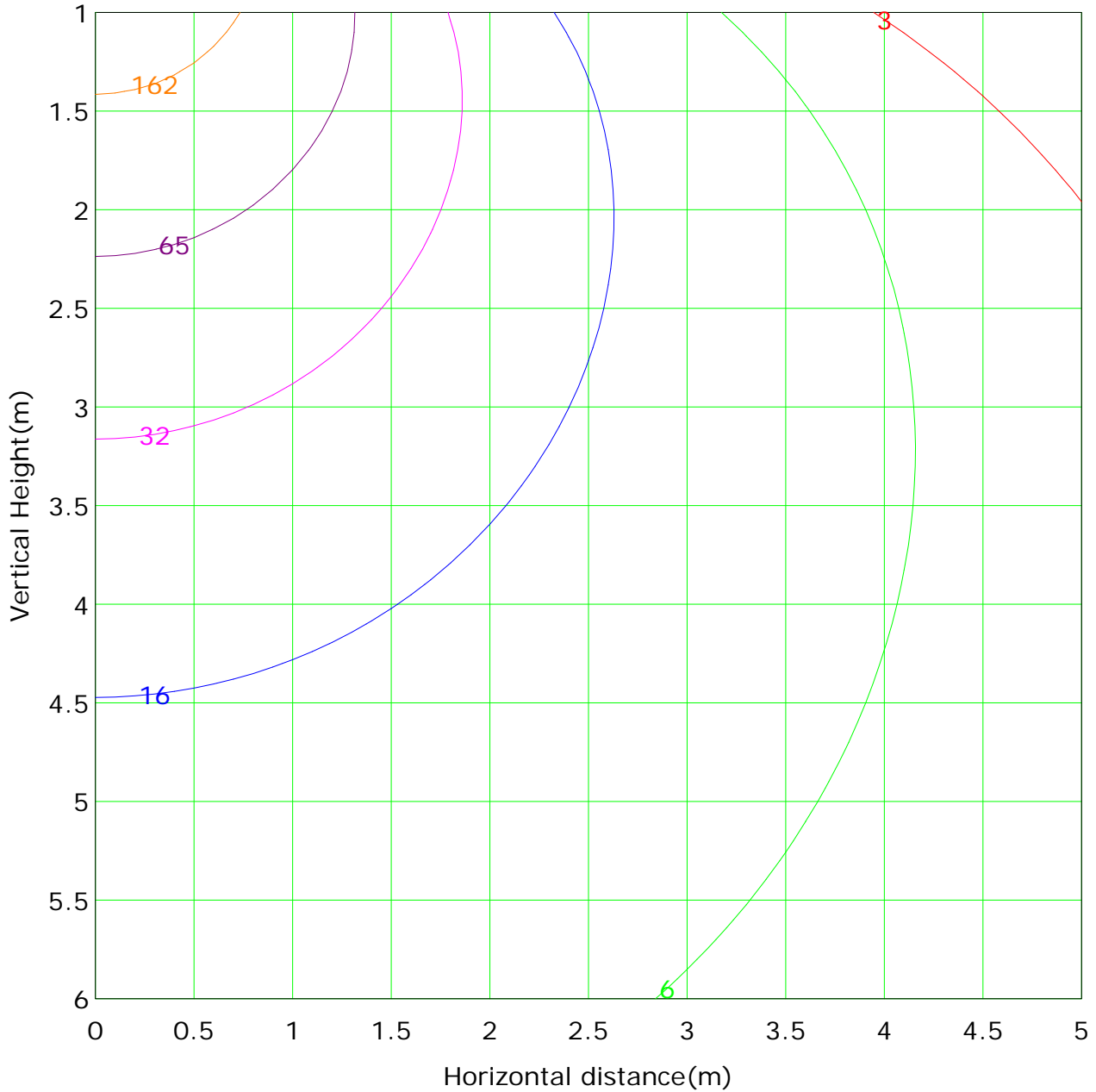


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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): 6.0m	Max Lux: 323.3 lx
— (1%): 3.2 lx	— (2%): 6.5 lx	
— (5%): 16.2 lx	— (10%): 32.3 lx	
— (20%): 64.7 lx	— (50%): 161.7 lx	
— (100%): 323.3 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: 13/09/2018 11:25

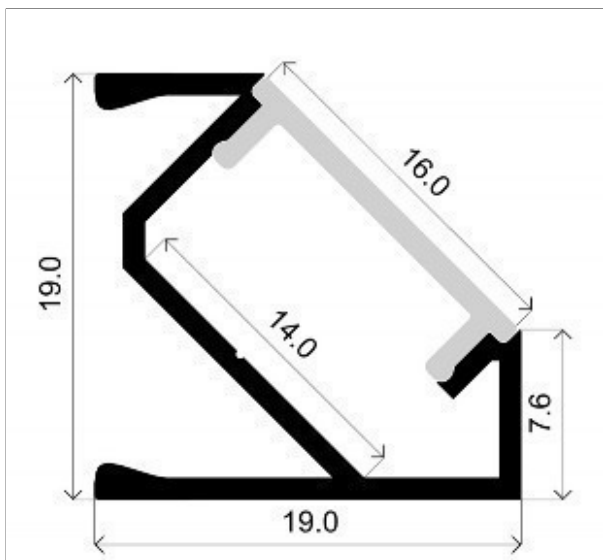
Luminaire Property

Luminaire Manufacturer: Lighting Line
 Luminaire Description: LLP-AN01-03 + LLD-03-FS
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1
 Lumens per Lamp: 1579 lm Voltage: 24.0 V
 Current: 0.584 A Power: 14.01 W
 Power Factor: 1.000

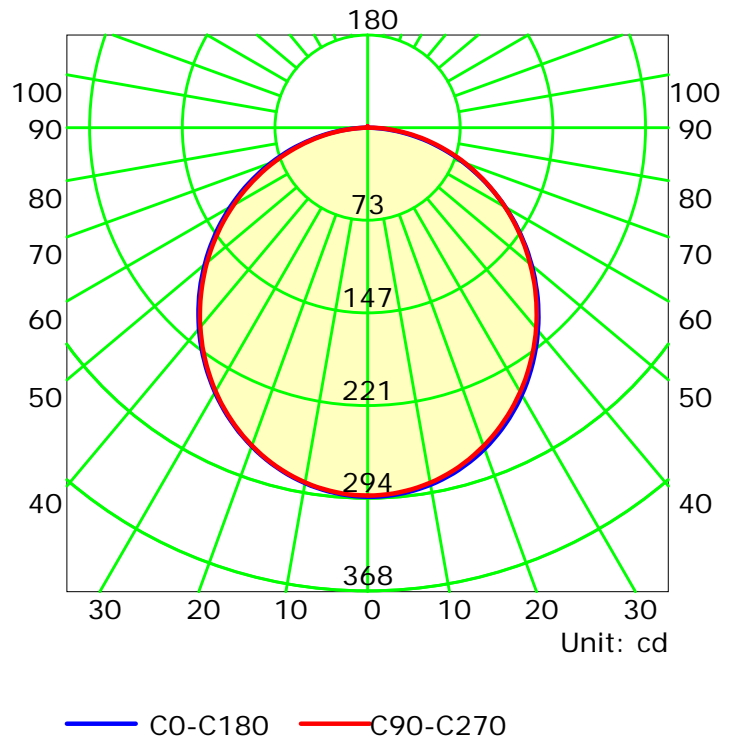
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 831.7 lm	Efficiency: 52.67%
Downward Ratio: 52.45%	Upward Ratio: 0.22%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.6, 163.9, 163.7, 164.0	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 110.7, 110.1, 110.5, 110.7	
Luminaire Efficacy Rating (LER): 59.41	Central Intensity: 293.63 cd
Max. Intensity: 293.65 cd	Pos of Max. Intensity: H0 V1
S/MH(C0/C180): 1.24	S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve

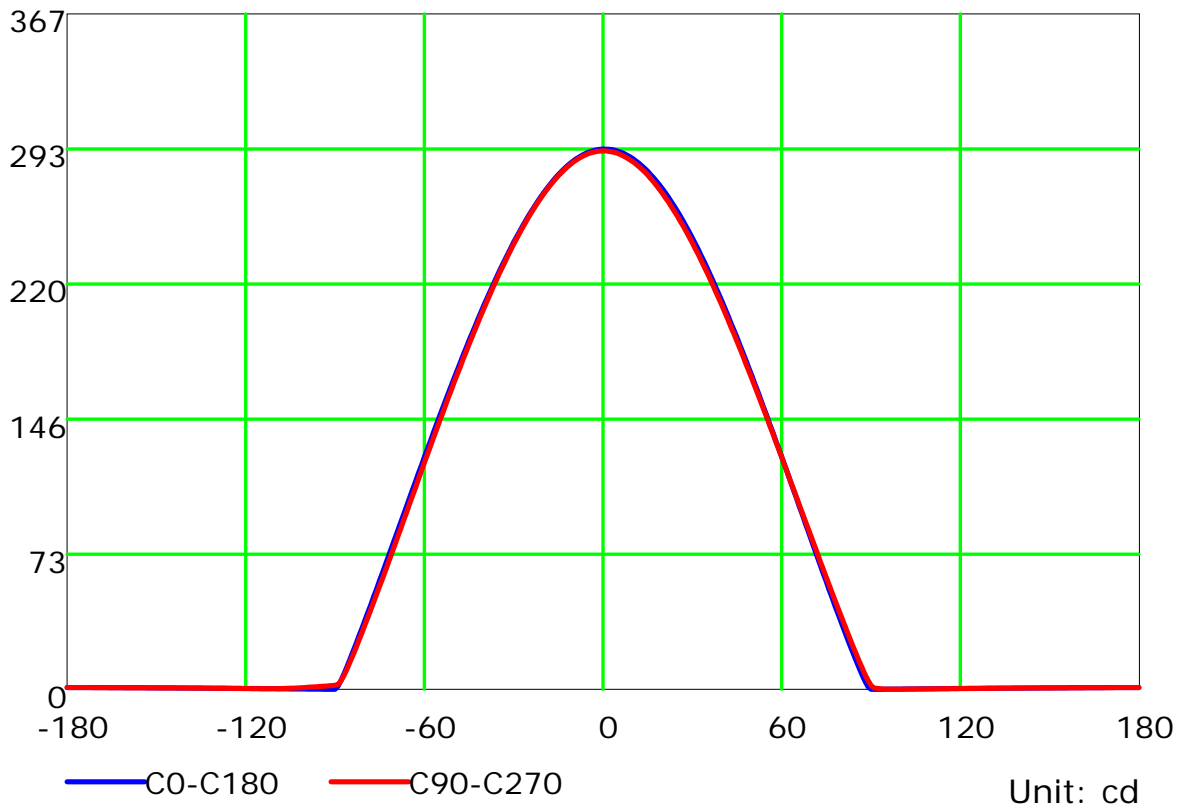
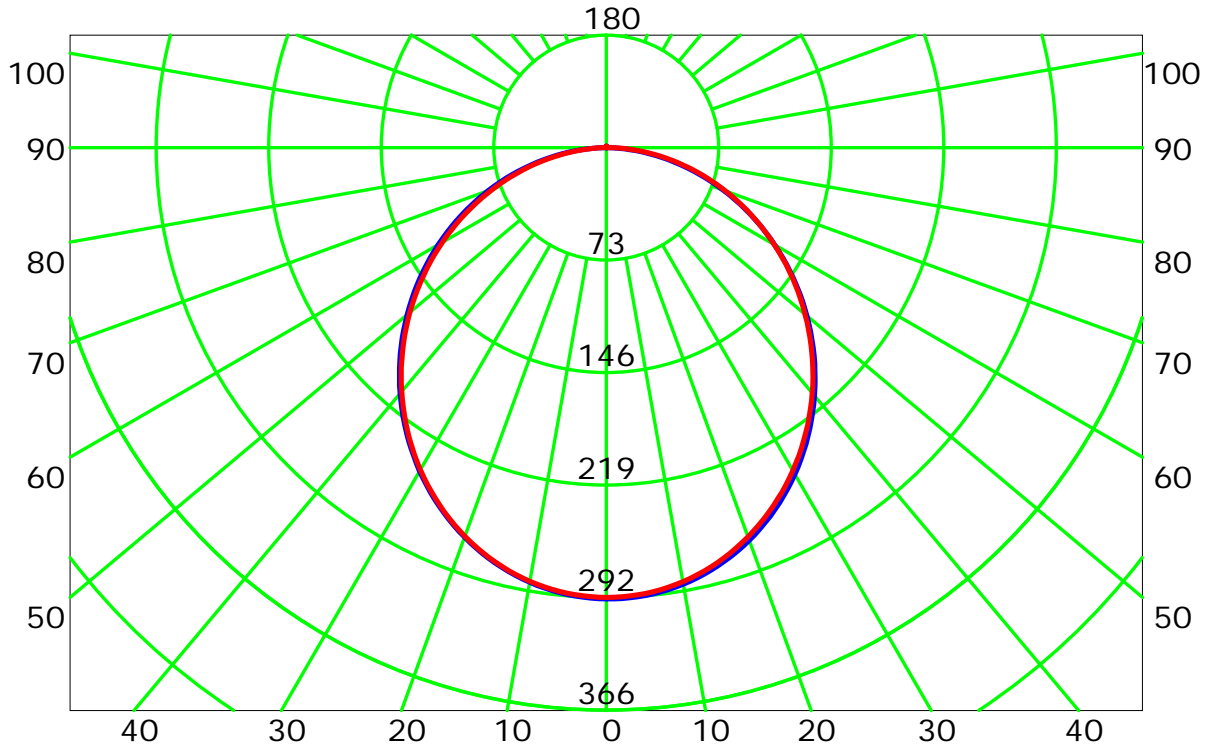


C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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



Luminous Intensity Distribution Curve

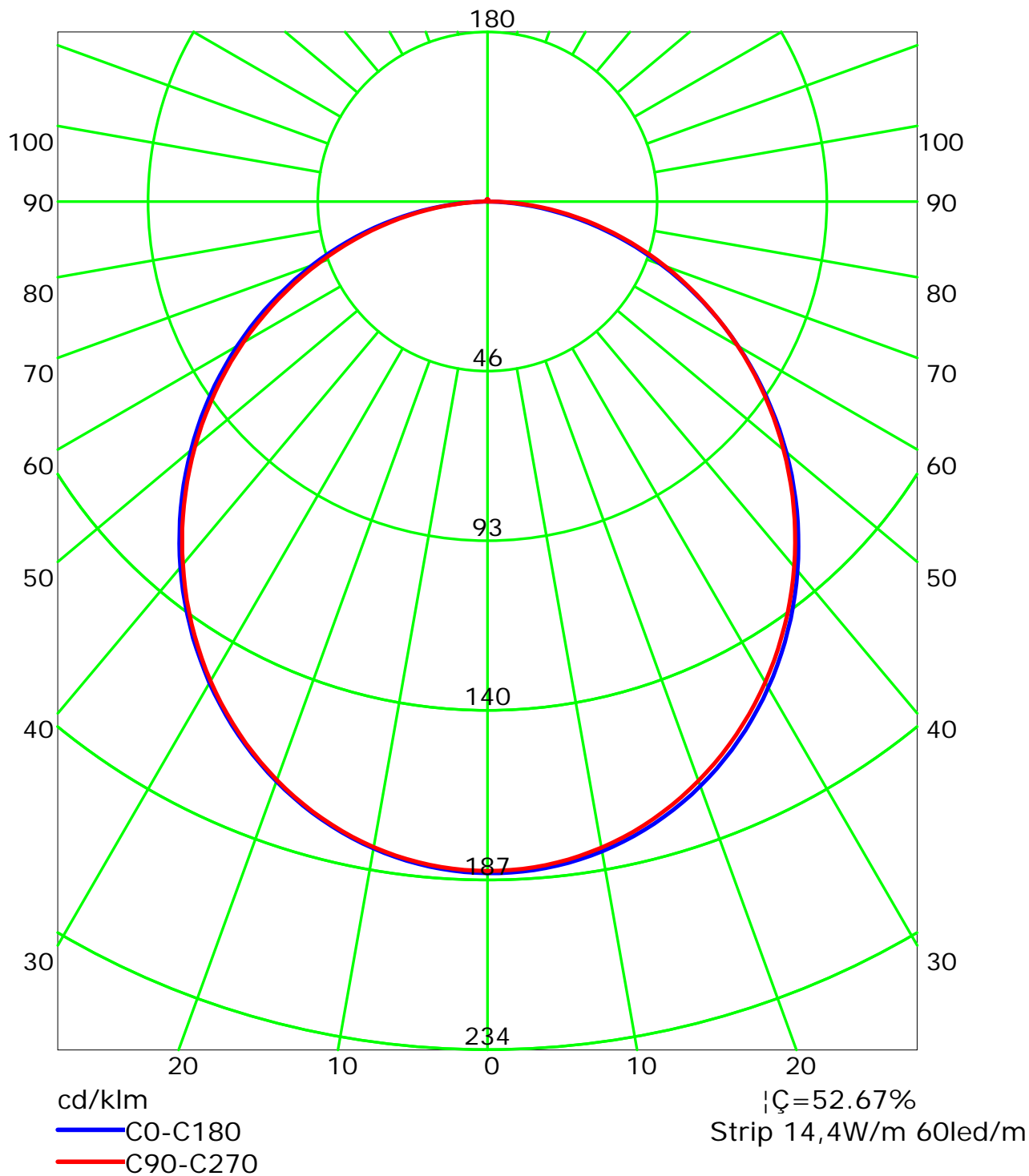


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



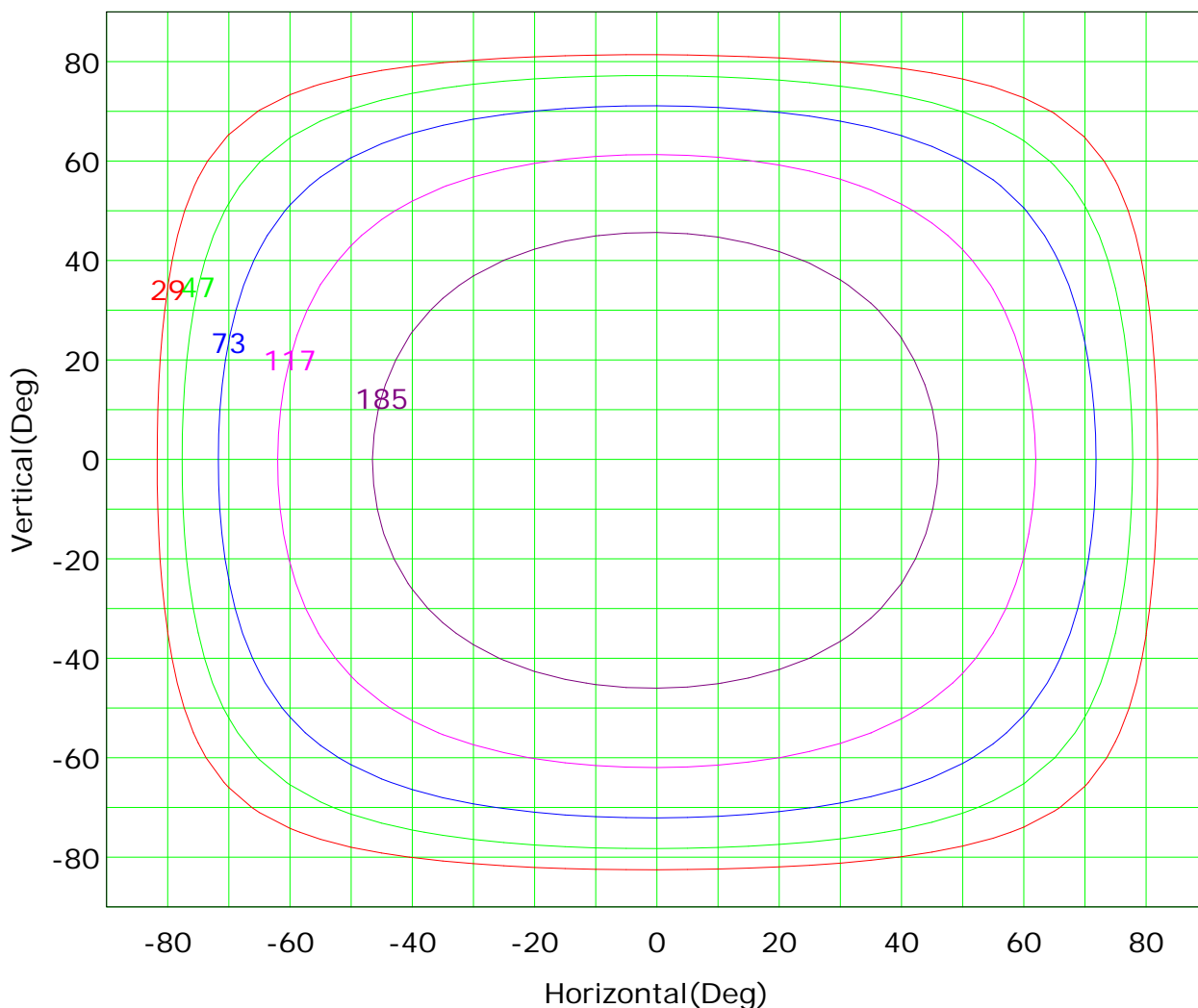
Luminous Intensity Distribution Curve(cd/klm)



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%): 294 cd

— (10%):	29 cd	— (16%):	47 cd
— (25%):	73 cd	— (40%):	117 cd
— (63%):	185 cd	— (100%):	294 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

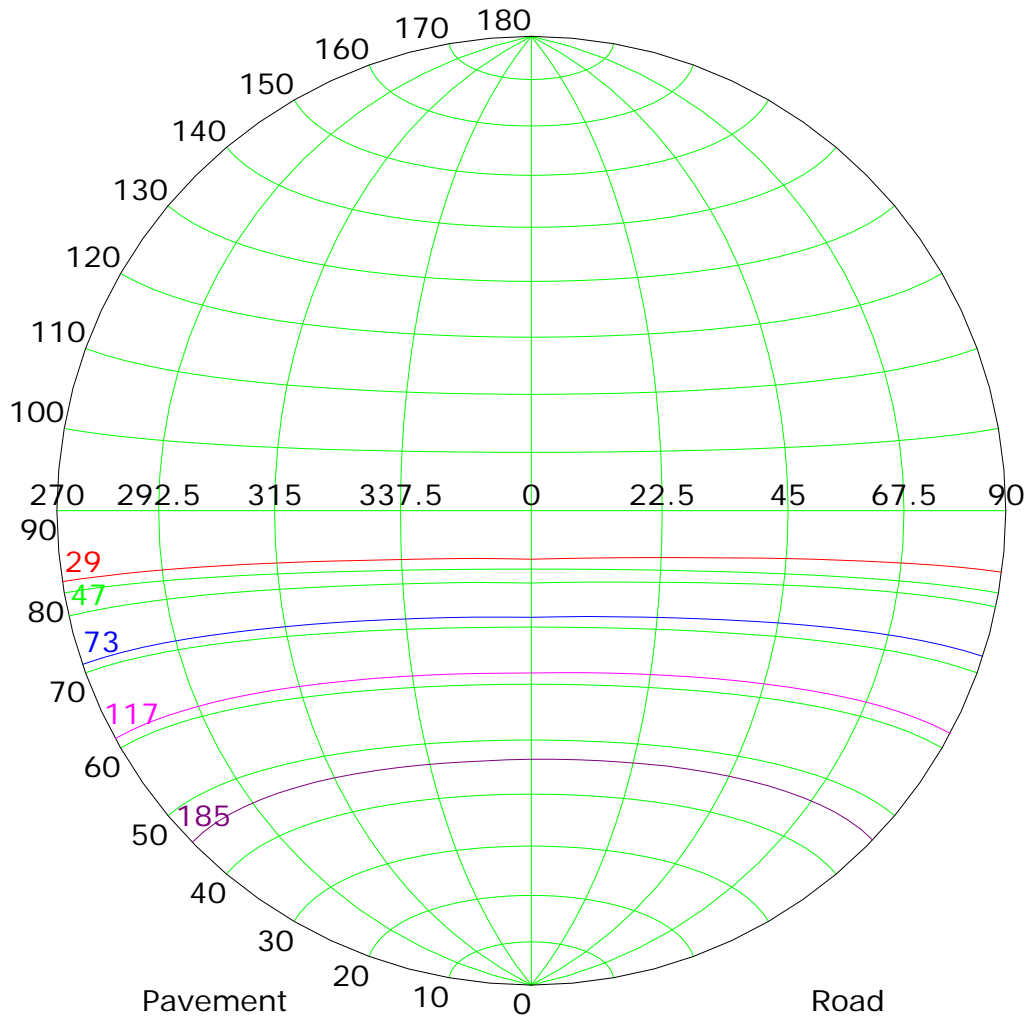
Distance: 7.970 m

Humidity:

Inspector:



Isocandela (sphere)



Imax (100%): 294 cd

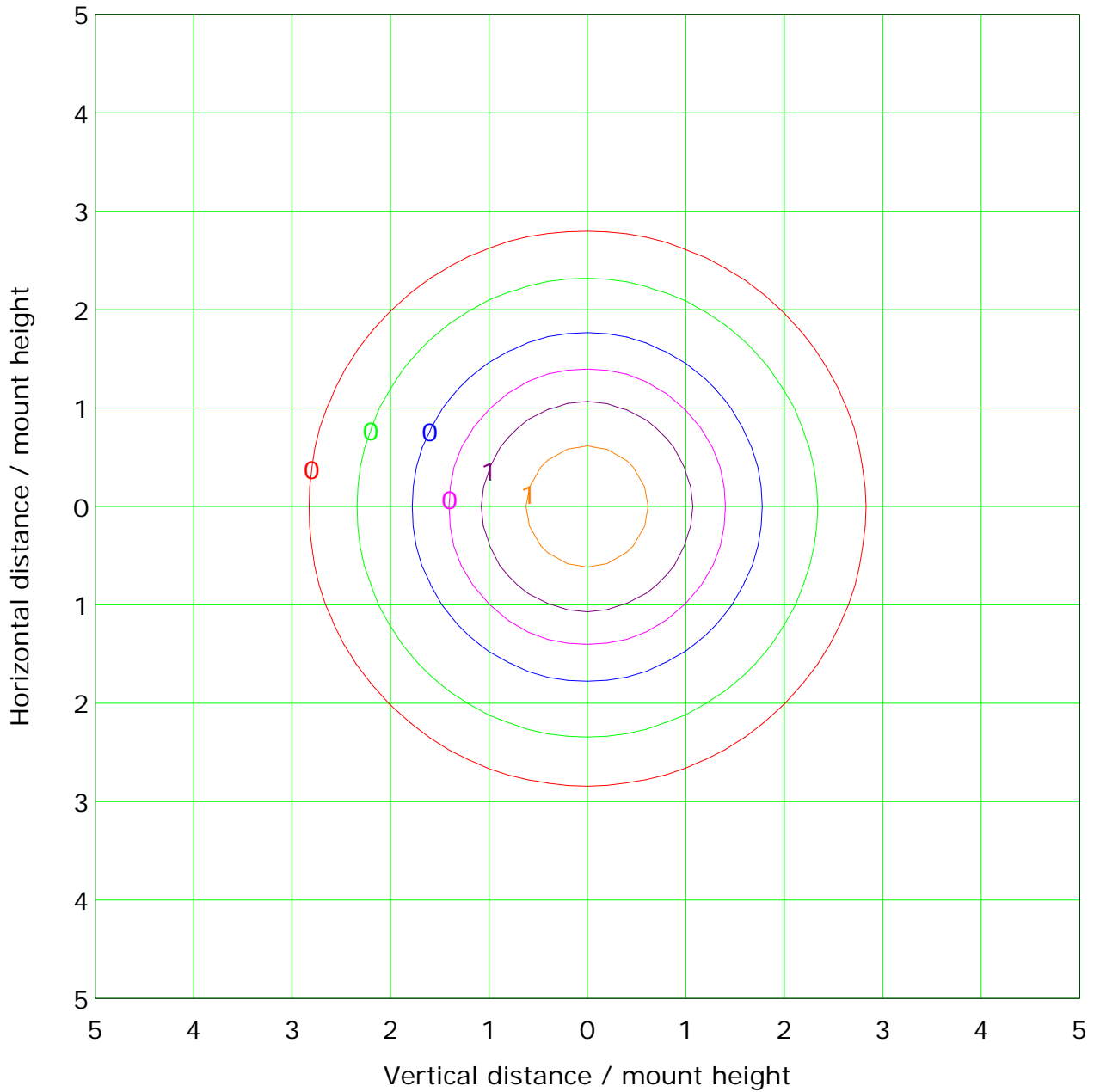
— (10%):	29 cd	— (16%):	47 cd
— (25%):	73 cd	— (40%):	117 cd
— (63%):	185 cd	— (100%):	294 cd

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%): 2.9 lx	
— (1%):	0.0 lx	— (2%):	0.1 lx
— (5%):	0.1 lx	— (10%):	0.3 lx
— (20%):	0.6 lx	— (50%):	1.5 lx
— (100%):	2.9 lx		

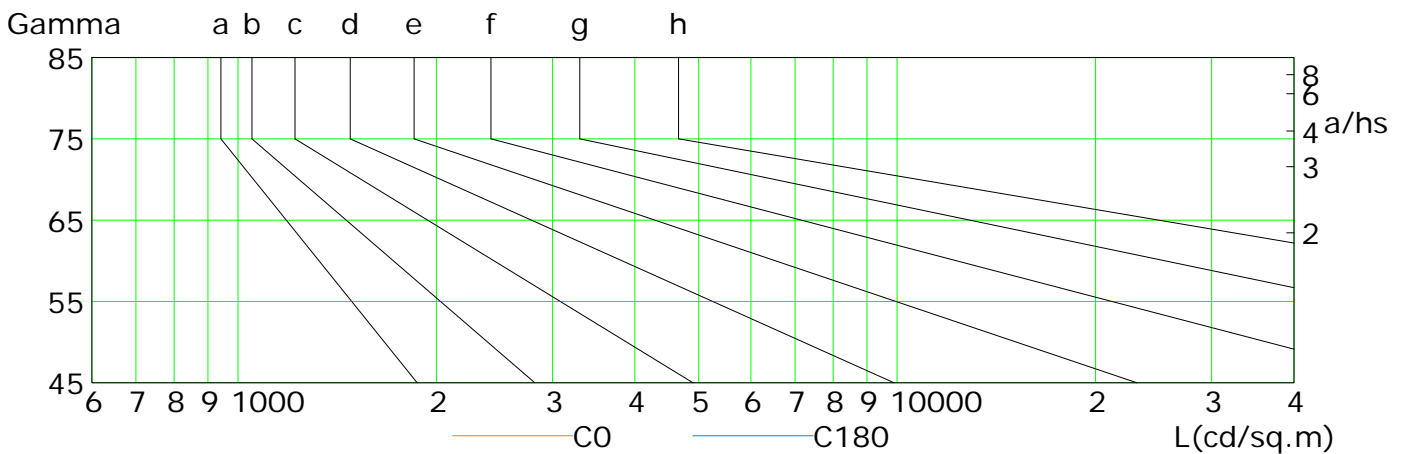
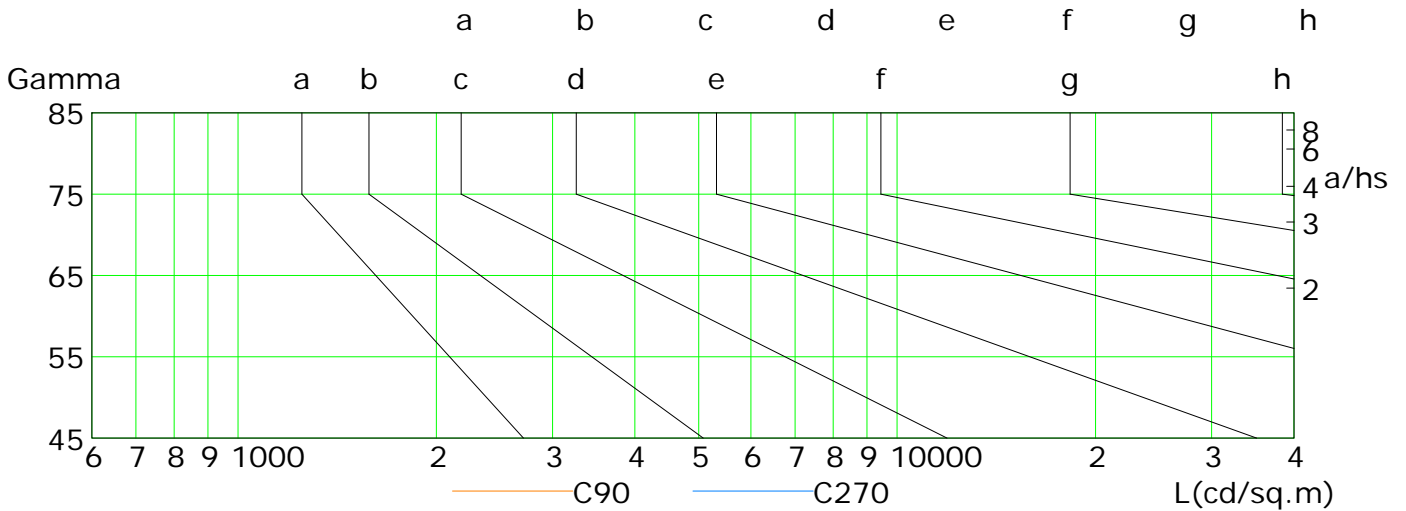
C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	191	170	149	126	104	81	59	36	16
C90	189	169	148	126	104	83	61	40	19
C180	190	169	148	126	104	82	59	37	16
C270	188	167	145	123	101	78	56	35	15

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

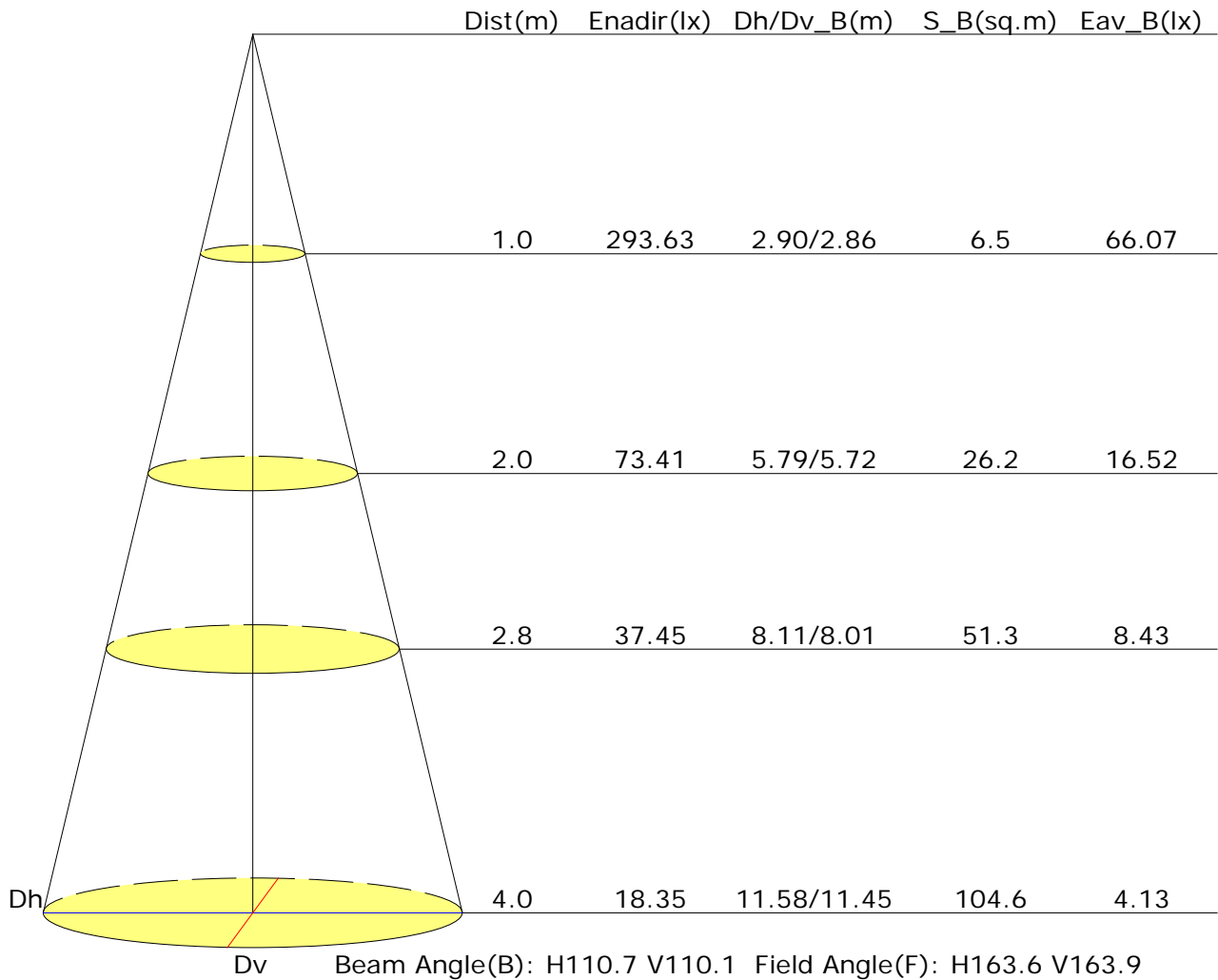
Distance: 7.970 m

Humidity:

Inspector:

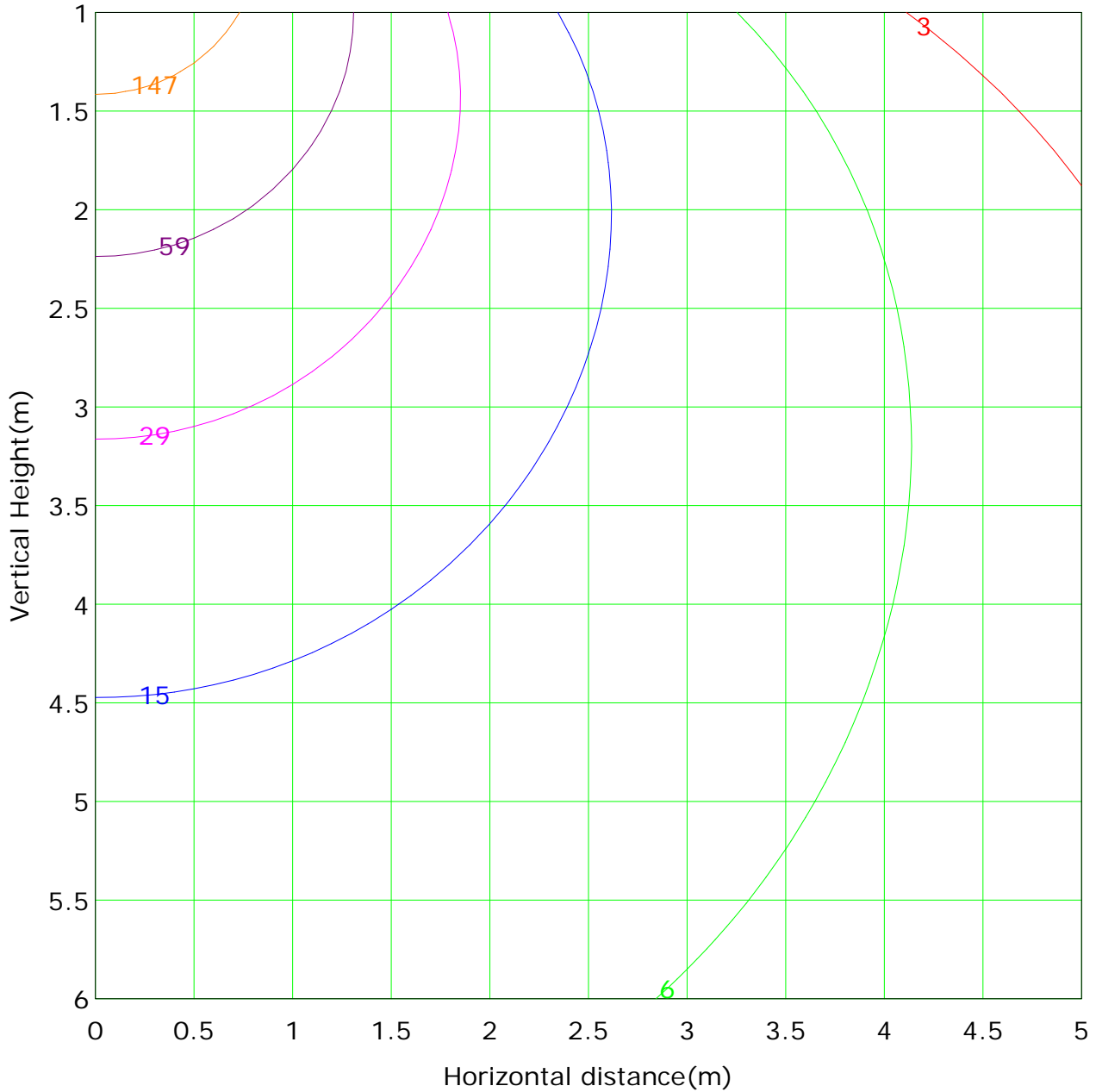


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 293.6 lx
(1%): 2.9 lx	(2%): 5.9 lx	(10%): 29.4 lx
(5%): 14.7 lx	(20%): 58.7 lx	(50%): 146.8 lx
(100%): 293.6 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: 21/09/2018 17:05

Luminaire Property

Luminaire Manufacturer: Lighting Line

Luminaire Description: LLP-AN01-03 + LLD-03-XK2-L1

Lamp Description: Strip 14,4W/m 60led/m Lumens per Lamp: 1579 lm

Voltage: 24.0 V Current: 0.590 A

Power: 14.16 W Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1180.7 lm

Downward Ratio: 99%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 147.2, 141.6, 115.9, 119.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 120.1, 37.8, 49.1, 48.6

Luminaire Efficacy Rating (LER): 83.44

Max. Intensity: 893.84 cd

S/MH(C0/C180): 1.42

Total Rated Lamp Lumens: 1180.7 lm

Efficiency: 100%

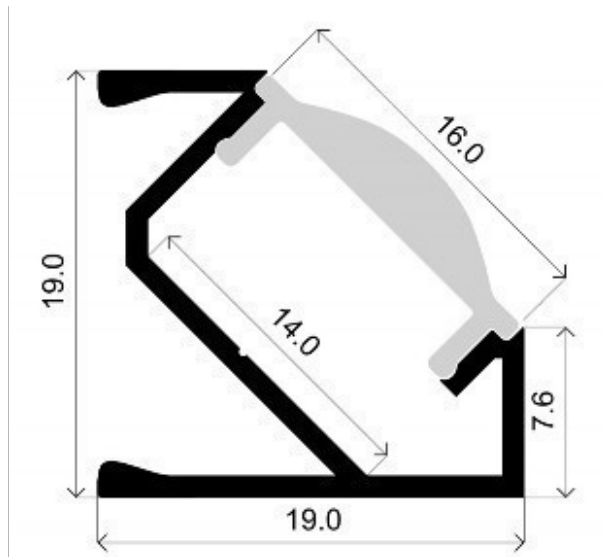
Upward Ratio: 1%

Central Intensity: 818.39 cd

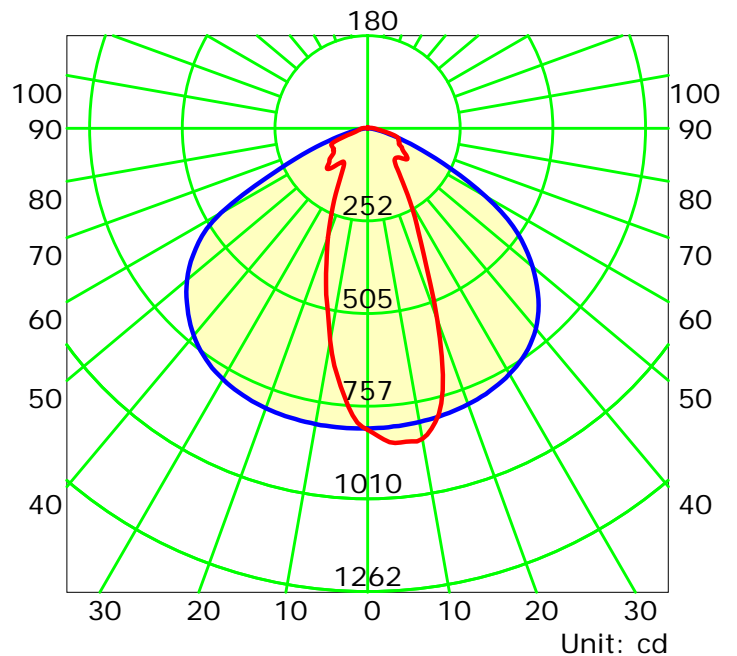
Pos of Max. Intensity: H170 V34

S/MH(C90/C270): 0.68

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

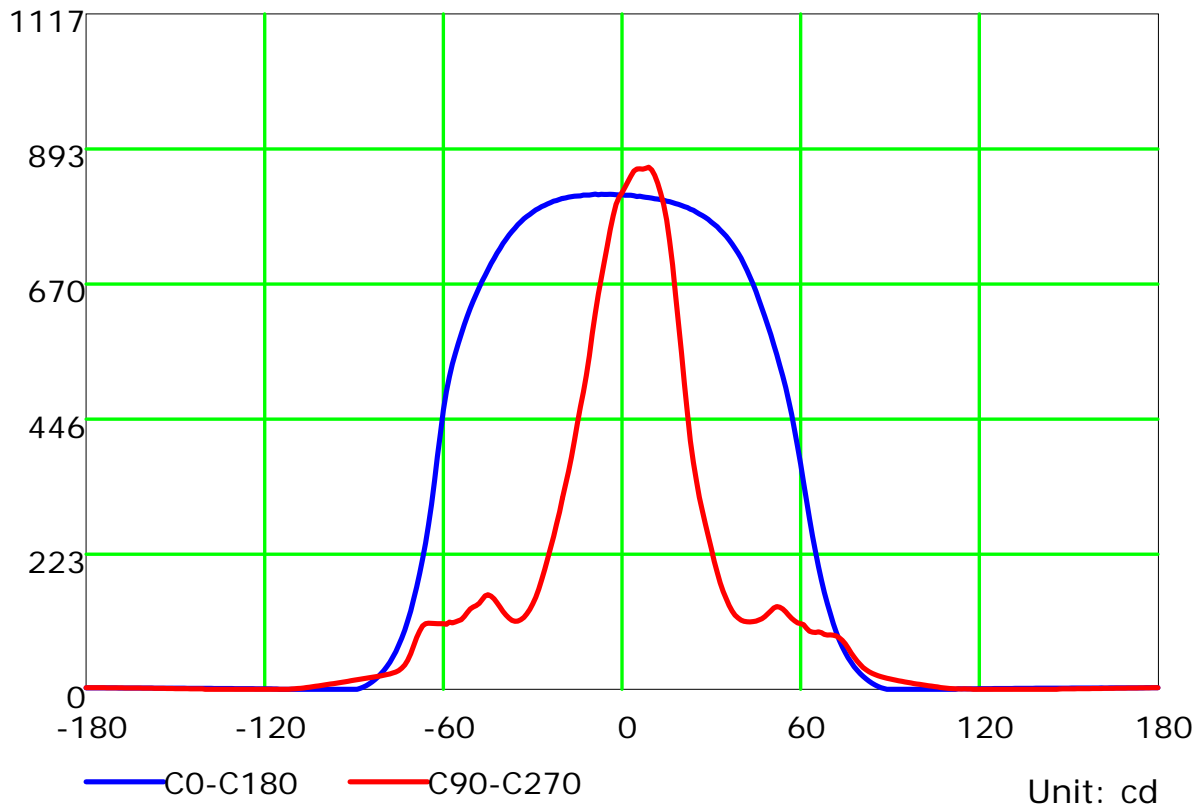
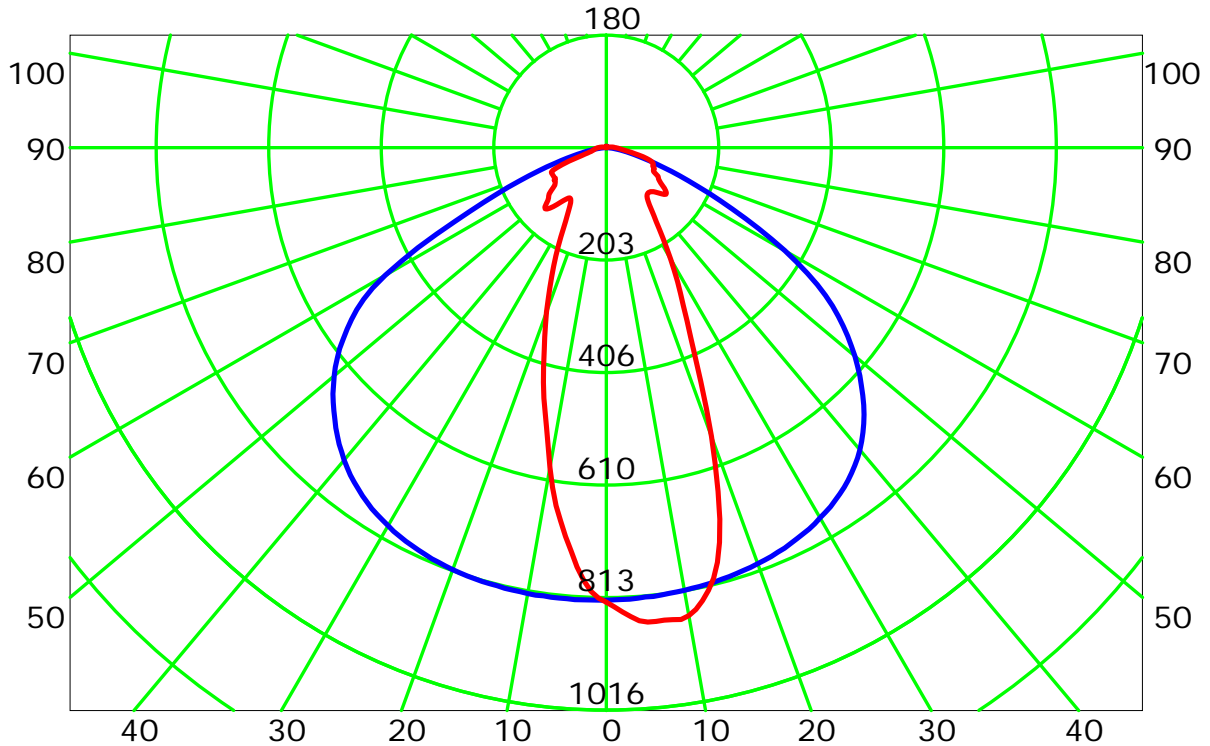
Distance: 7.970 m

Humidity:

Inspector:



Luminous Intensity Distribution Curve

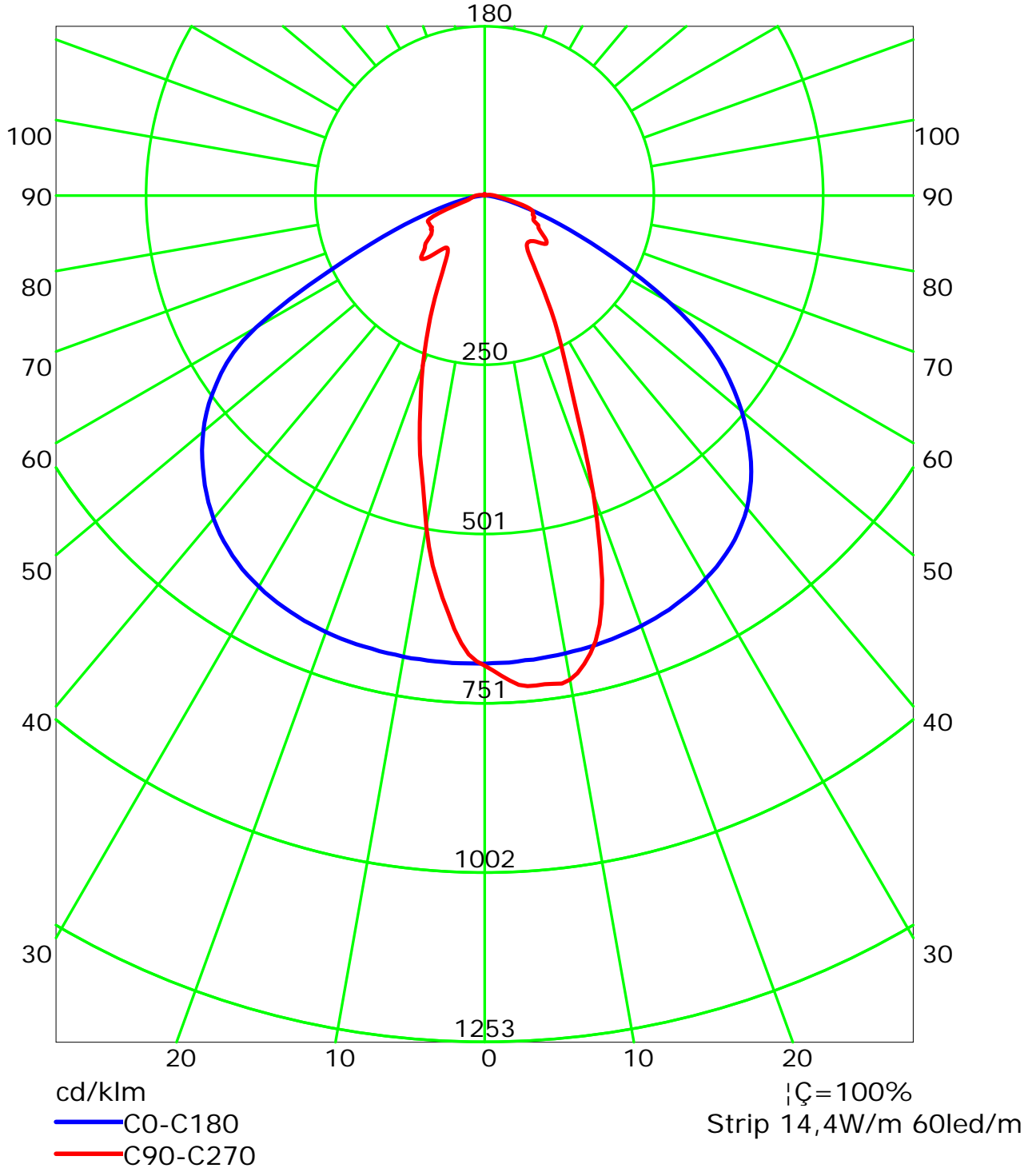


C Plane (°):0.0-360.0: 10.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



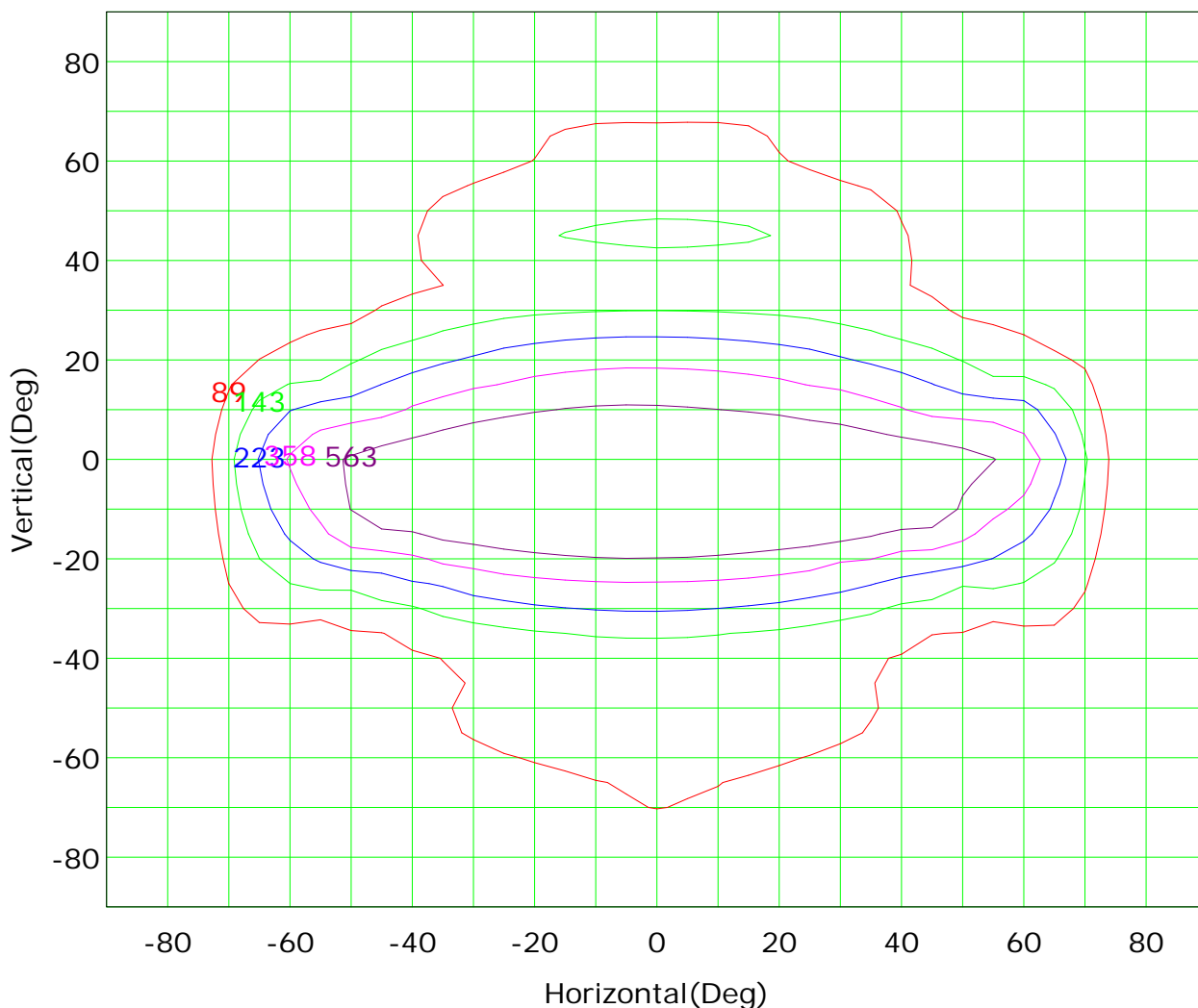
Luminous Intensity Distribution Curve(cd/klm)



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)



Imax (100%): 894 cd

- | | |
|------------------|------------------|
| — (10%): 89 cd | — (16%): 143 cd |
| — (25%): 223 cd | — (40%): 358 cd |
| — (63%): 563 cd | — (100%): 894 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

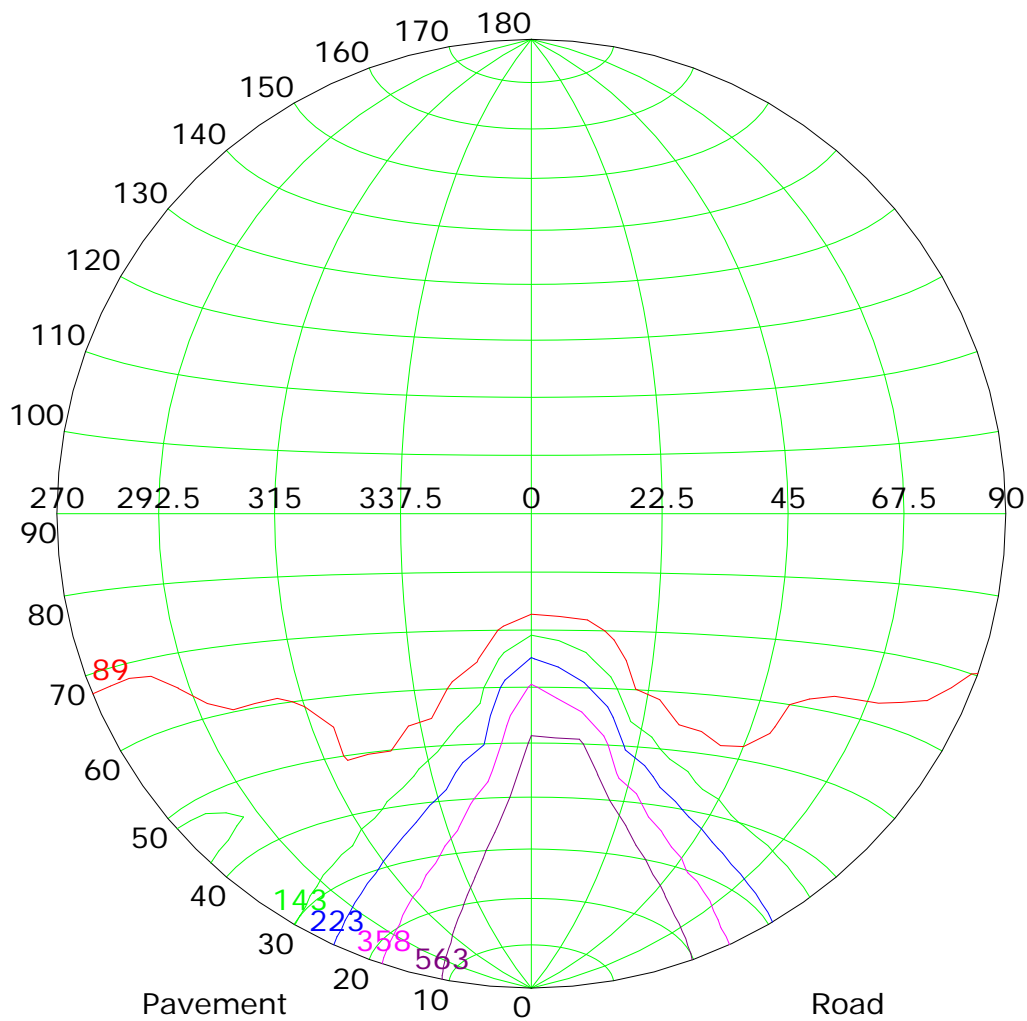
Distance: 7.970 m

Humidity:

Inspector:



Isocandela (sphere)

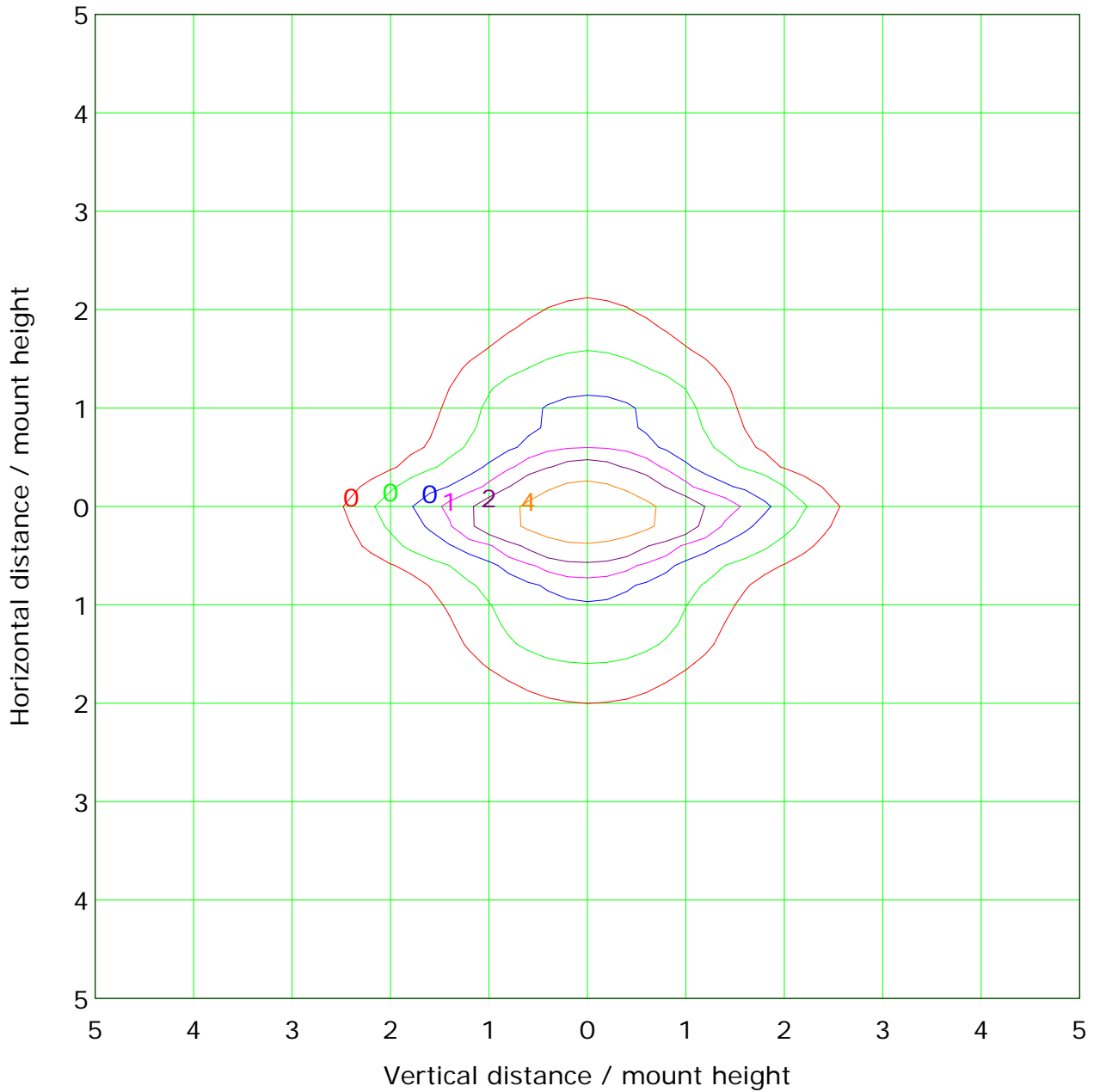


Imax (100%): 894 cd

- | | | | |
|-----------|--------|-----------|--------|
| — (10%): | 89 cd | — (16%): | 143 cd |
| — (25%): | 223 cd | — (40%): | 358 cd |
| — (63%): | 563 cd | — (100%): | 894 cd |



IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 8.5 lx

— (1%): 0.1 lx	— (2%): 0.2 lx
— (5%): 0.4 lx	— (10%): 0.9 lx
— (20%): 1.7 lx	— (50%): 4.3 lx
— (100%): 8.5 lx	

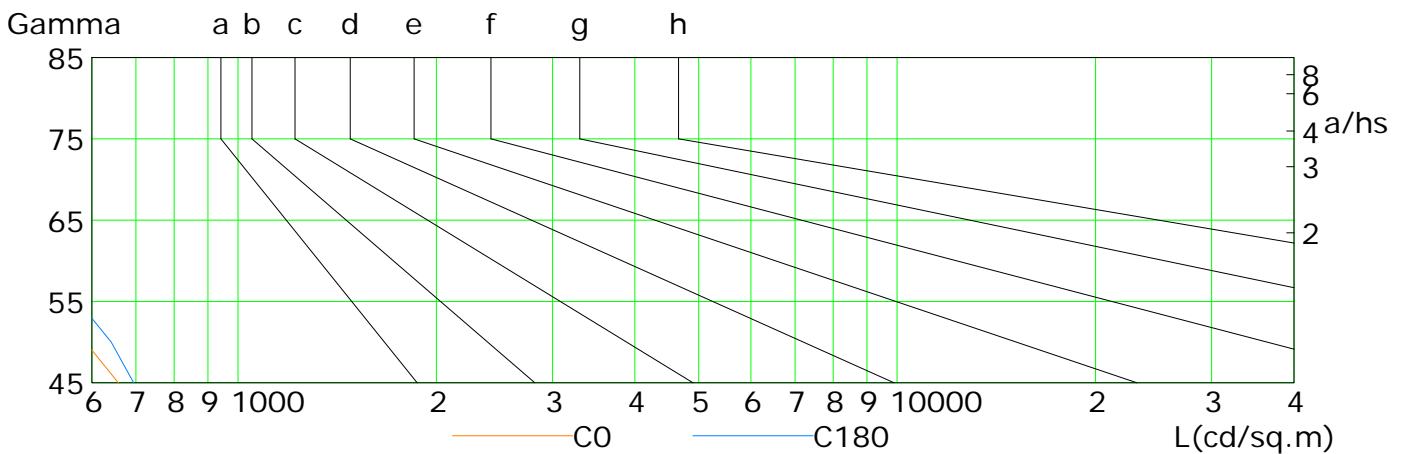
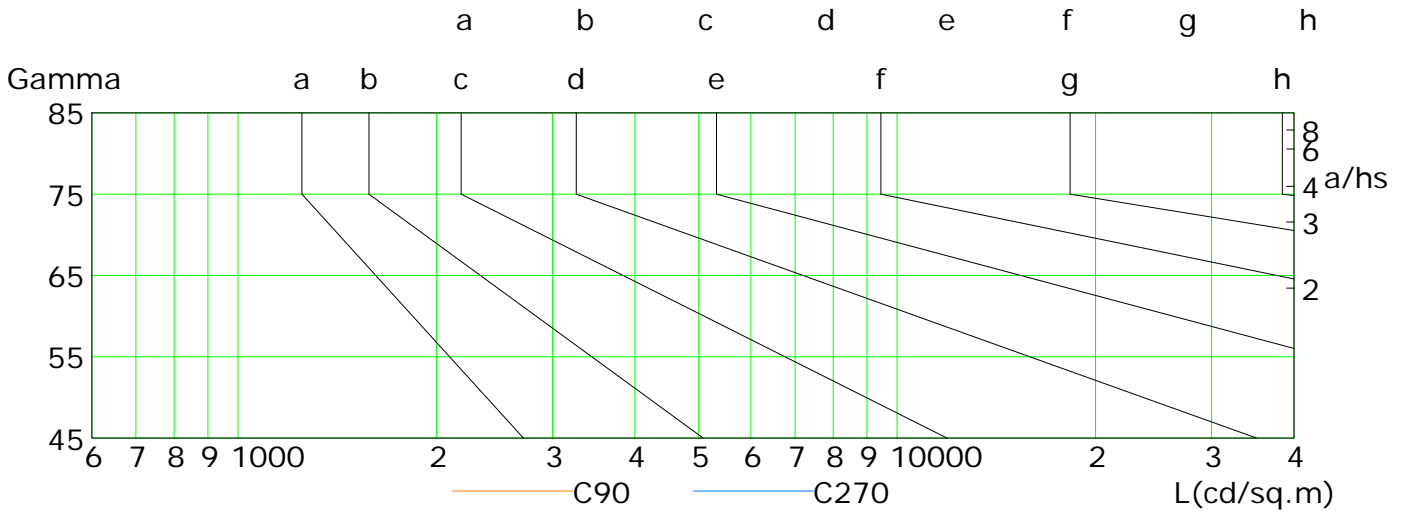
C Plane (°):0.0-360.0: 10.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	658	587	499	373	228	125	61	26	7
C90	113	130	128	109	94	90	75	41	25
C180	694	642	572	462	272	149	73	31	9
C270	157	136	113	109	109	72	31	23	19

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

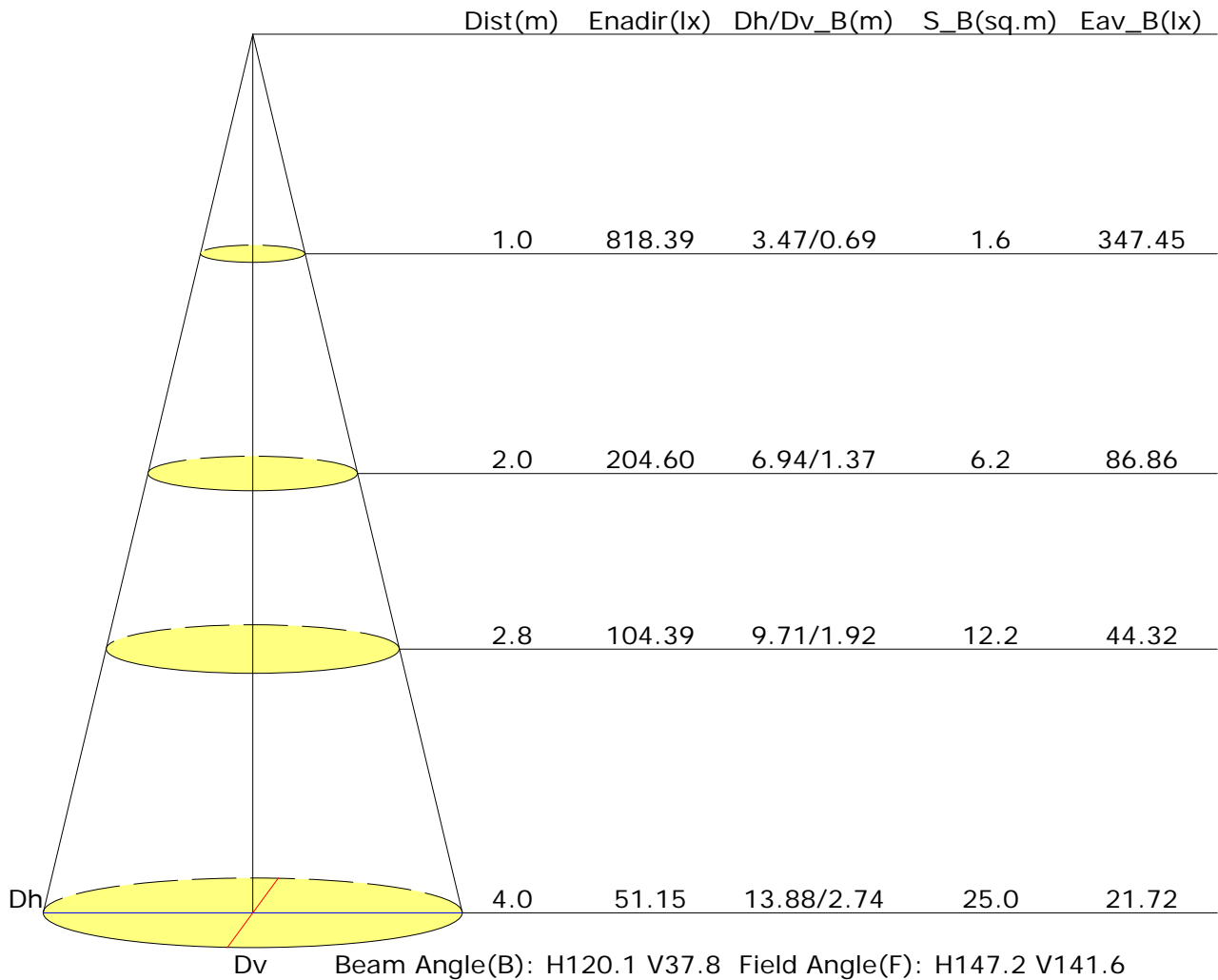
Distance: 7.970 m

Humidity:

Inspector:

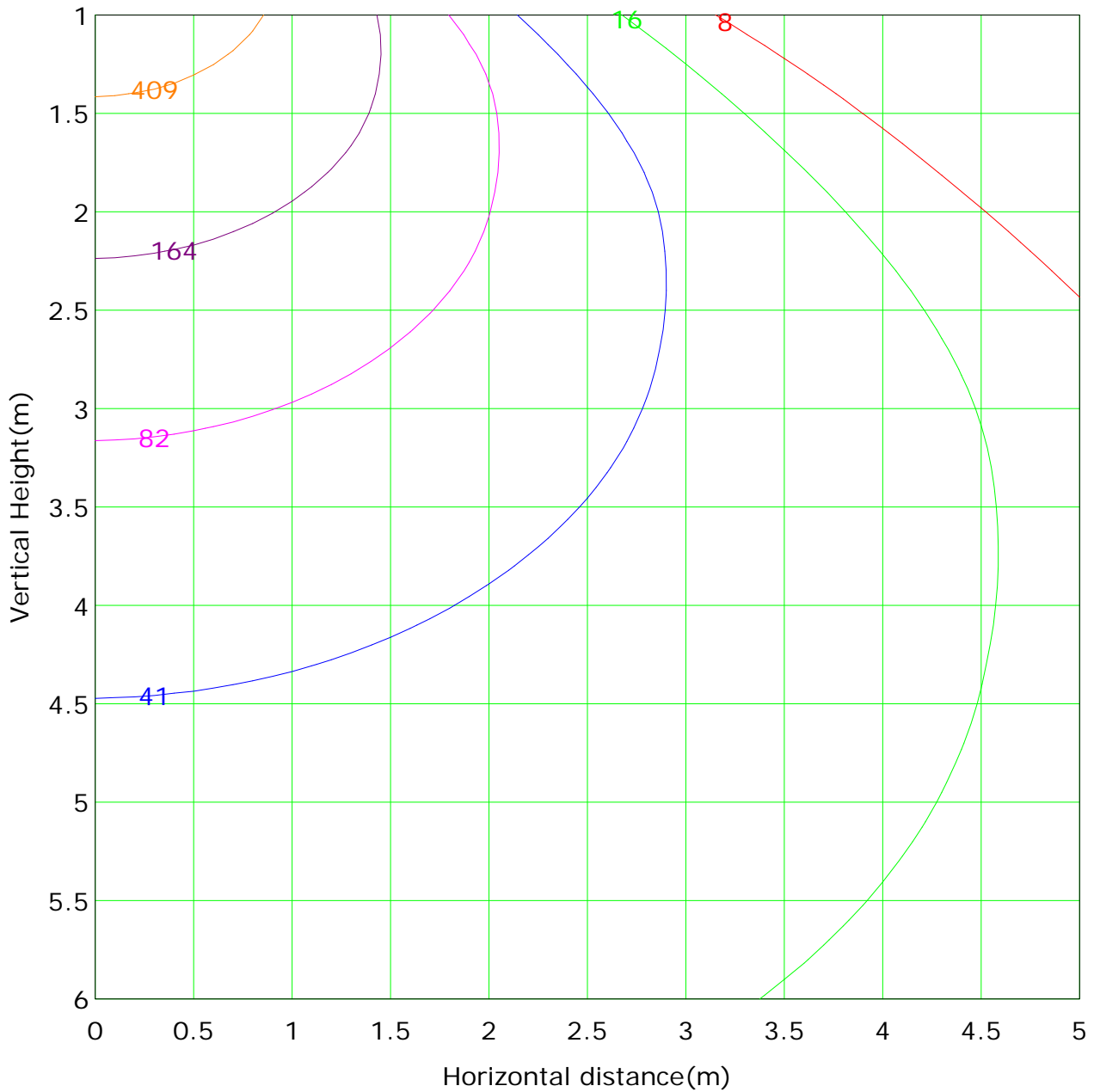


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 6.0m Max Lux: 818.4 lx

— (1%): 8.2 lx	— (2%): 16.4 lx
— (5%): 40.9 lx	— (10%): 81.8 lx
— (20%): 163.7 lx	— (50%): 409.2 lx
— (100%): 818.4 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: