



Report No.:

Test Time: 14/09/2018 16:39

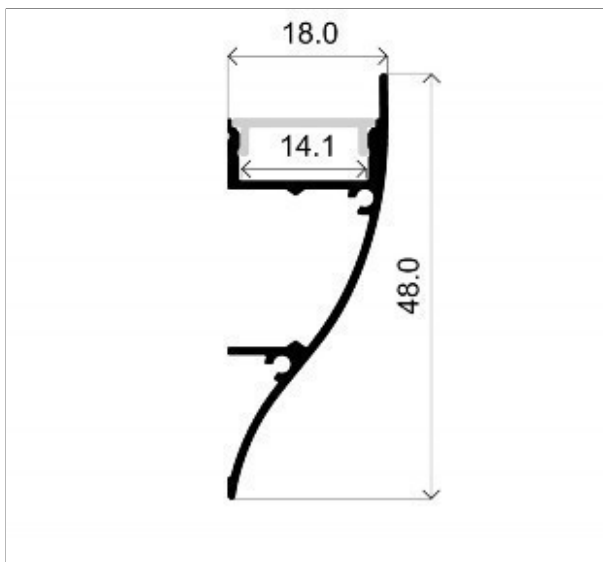
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-WL01-03 + LLD-03-FK  
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1  
 Lumens per Lamp: 1579 lm Voltage: 24.0 V  
 Current: 0.583 A Power: 13.98 W  
 Power Factor: 1.000

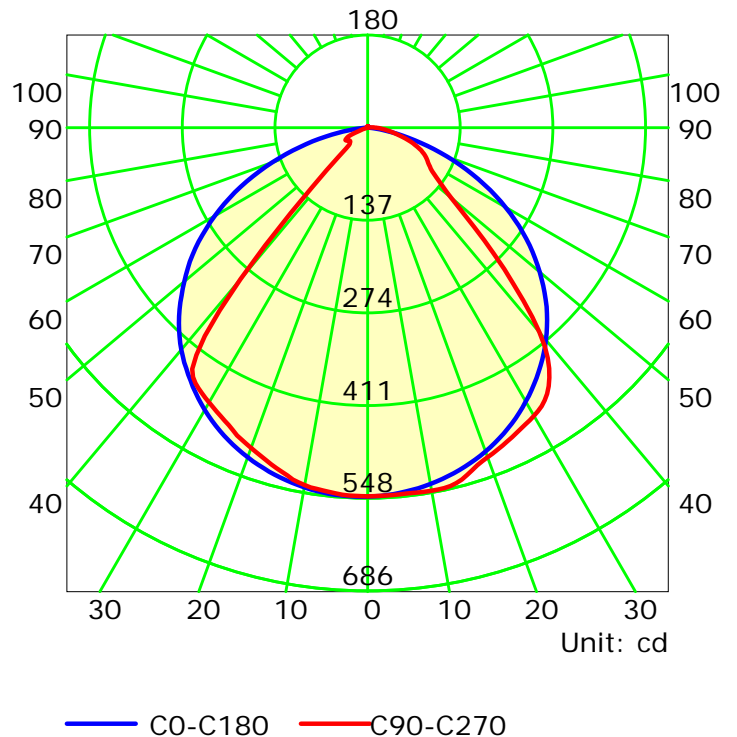
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 1261.5 lm	Efficiency: 79.89%
Downward Ratio: 79.46%	Upward Ratio: 0.43%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 155.9, 120.3, 127.3, 128.7	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 115.2, 85.0, 99.6, 100.5	
Luminaire Efficacy Rating (LER): 90.28	Central Intensity: 546.51 cd
Max. Intensity: 546.72 cd	Pos of Max. Intensity: H180 V1
S/MH(C0/C180): 1.29	S/MH(C90/C270): 1.32

Picture Of Luminaire



Luminous Intensity Distribution Curve

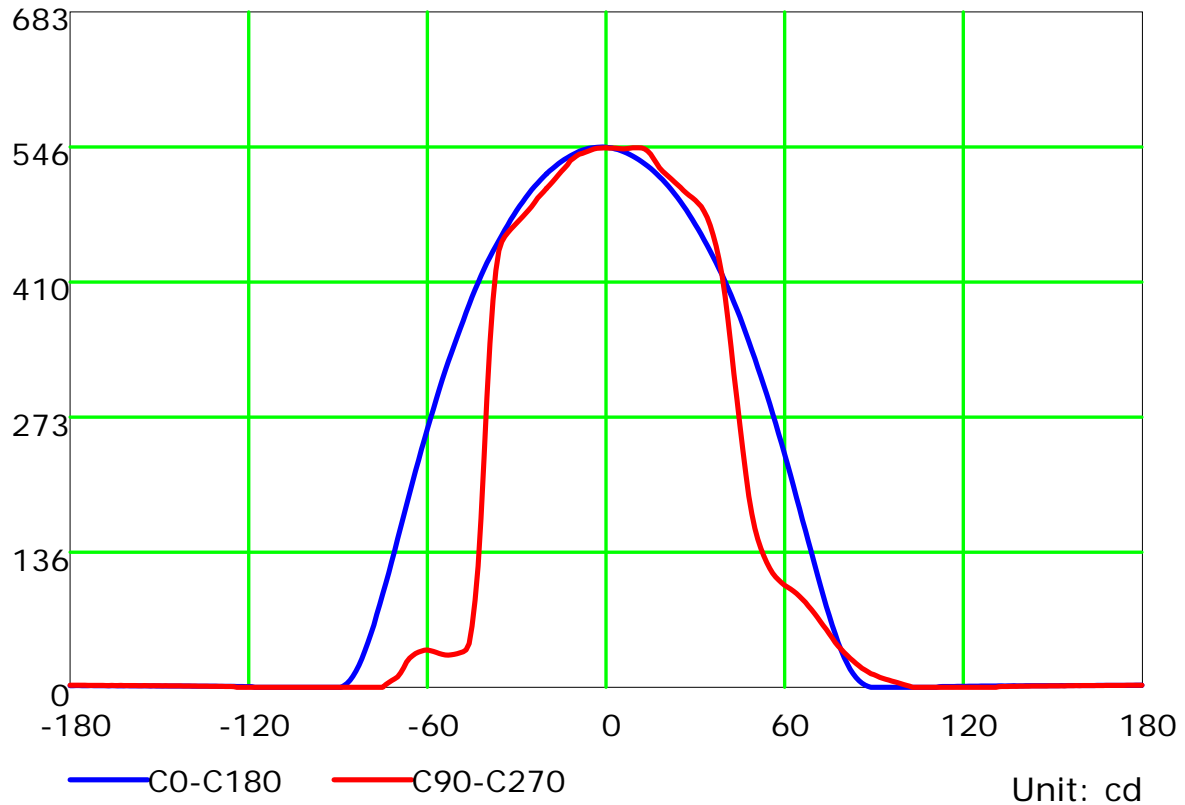
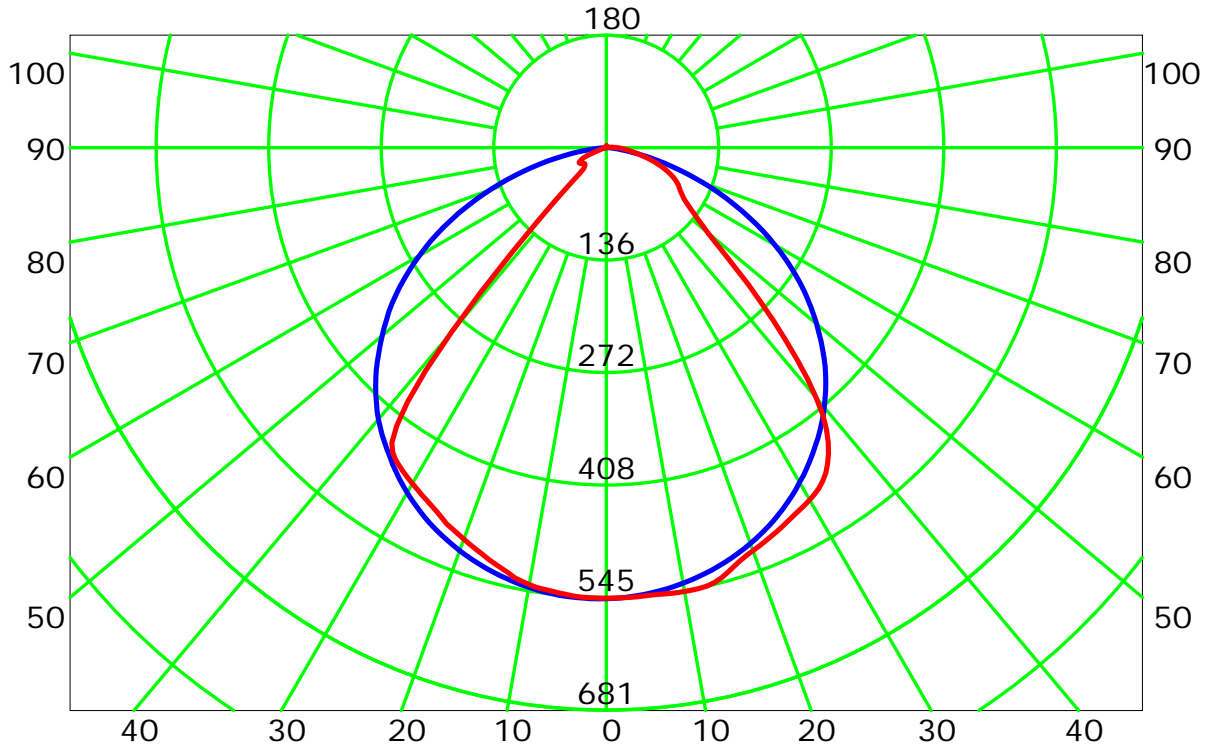


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve

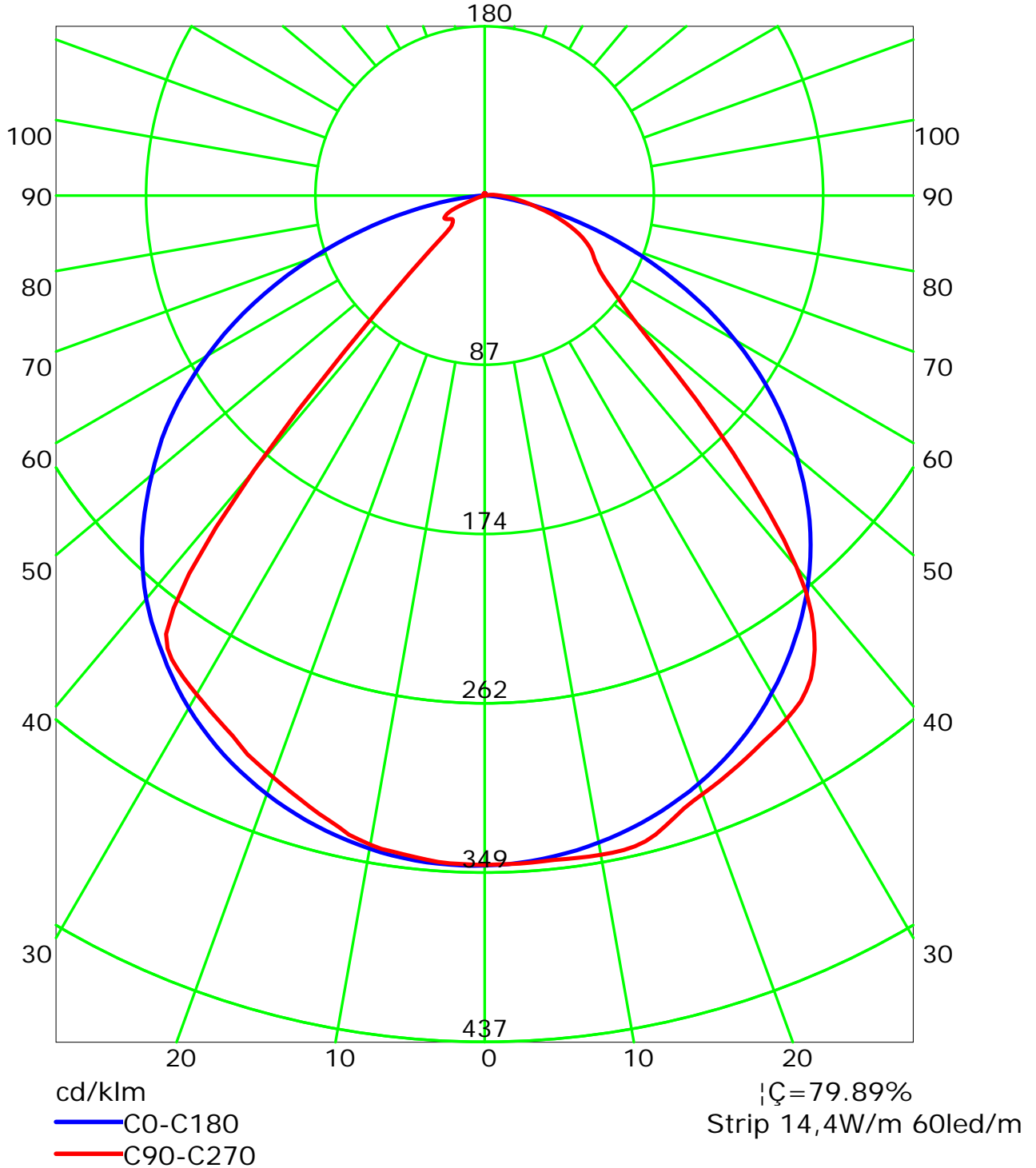


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



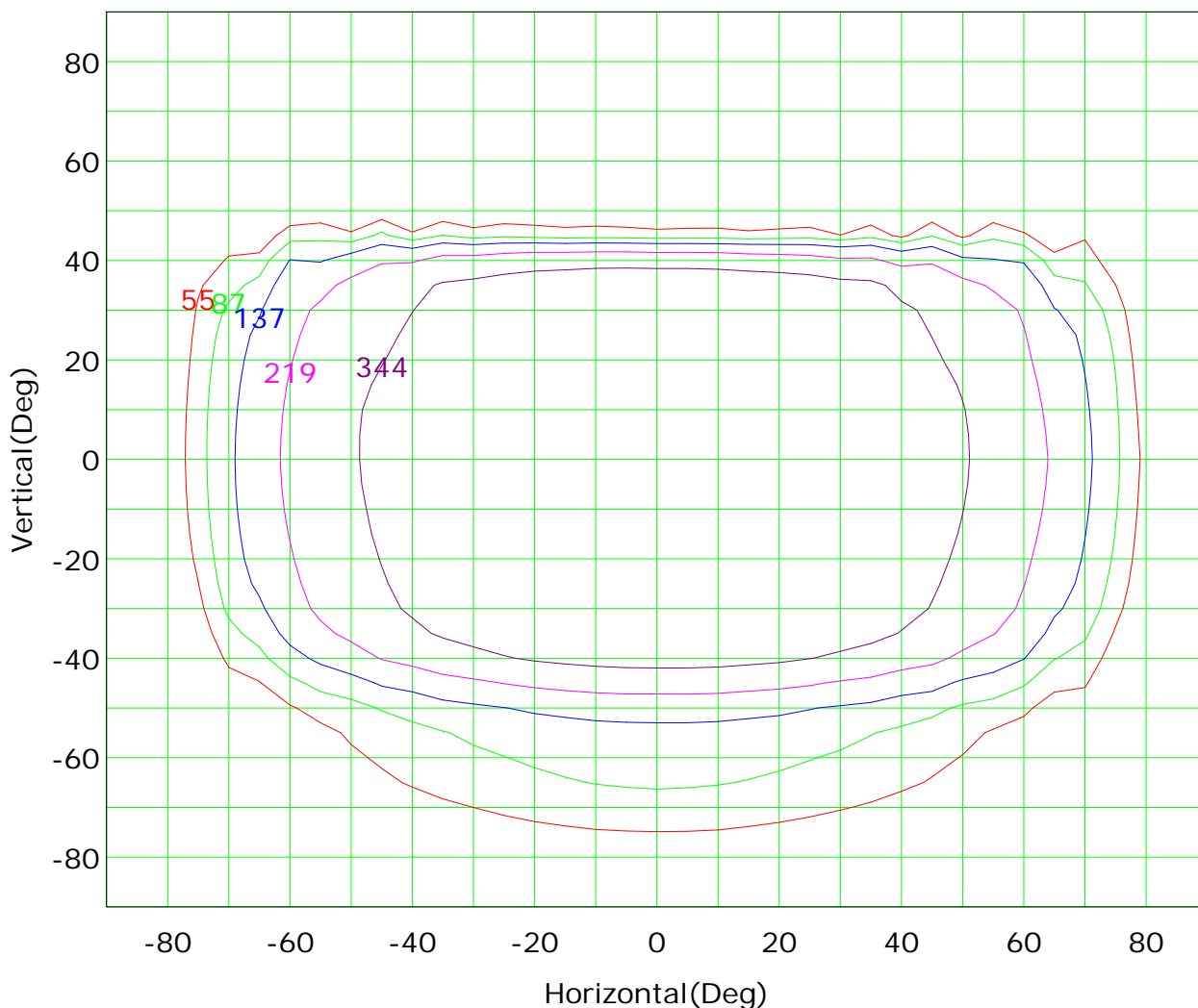
## Luminous Intensity Distribution Curve(cd/klm)



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%): 547 cd

- |           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 55 cd  | — ( 16%): | 87 cd  |
| — ( 25%): | 137 cd | — ( 40%): | 219 cd |
| — ( 63%): | 344 cd | — (100%): | 547 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

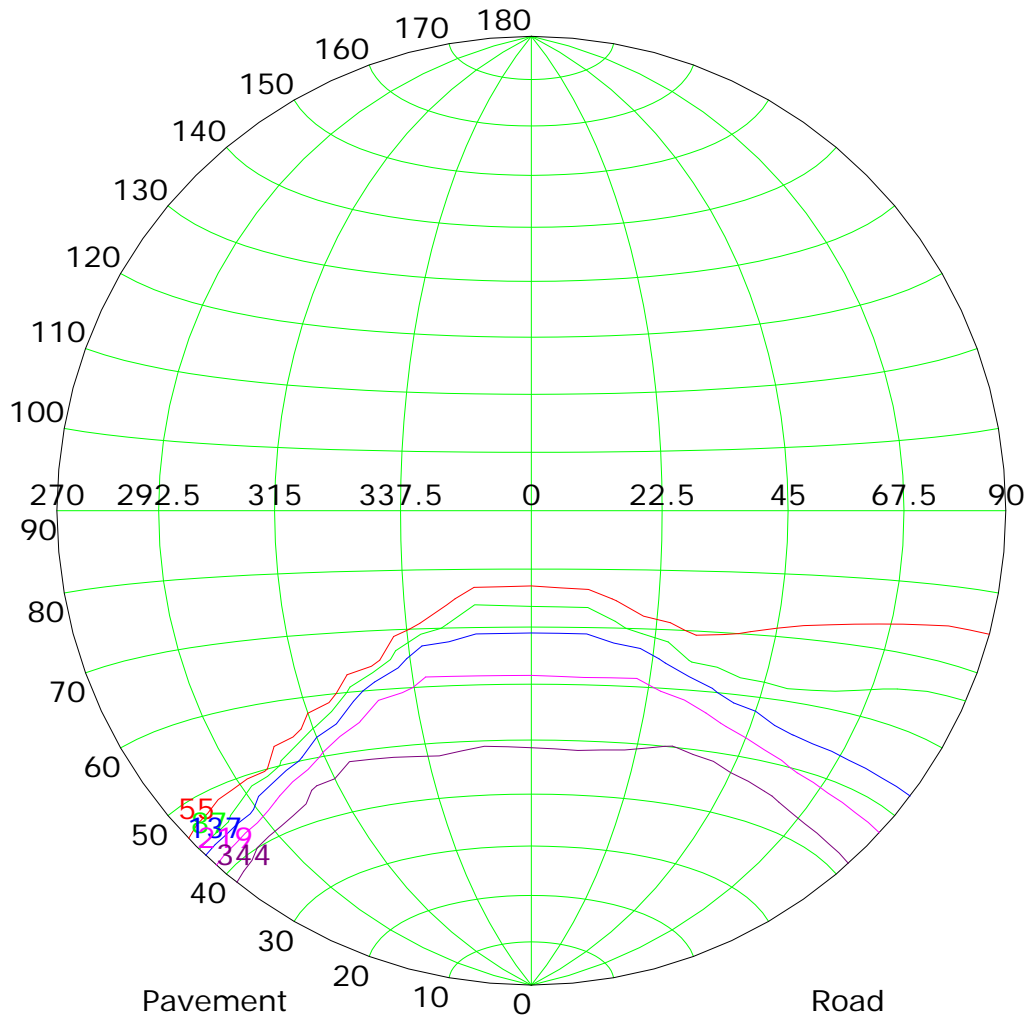
Distance: 7.970 m

Humidity:

Inspector:



## Isocandela (sphere)



Imax (100%): 547 cd

— ( 10%):	55 cd	— ( 16%):	87 cd
— ( 25%):	137 cd	— ( 40%):	219 cd
— ( 63%):	344 cd	— (100%):	547 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

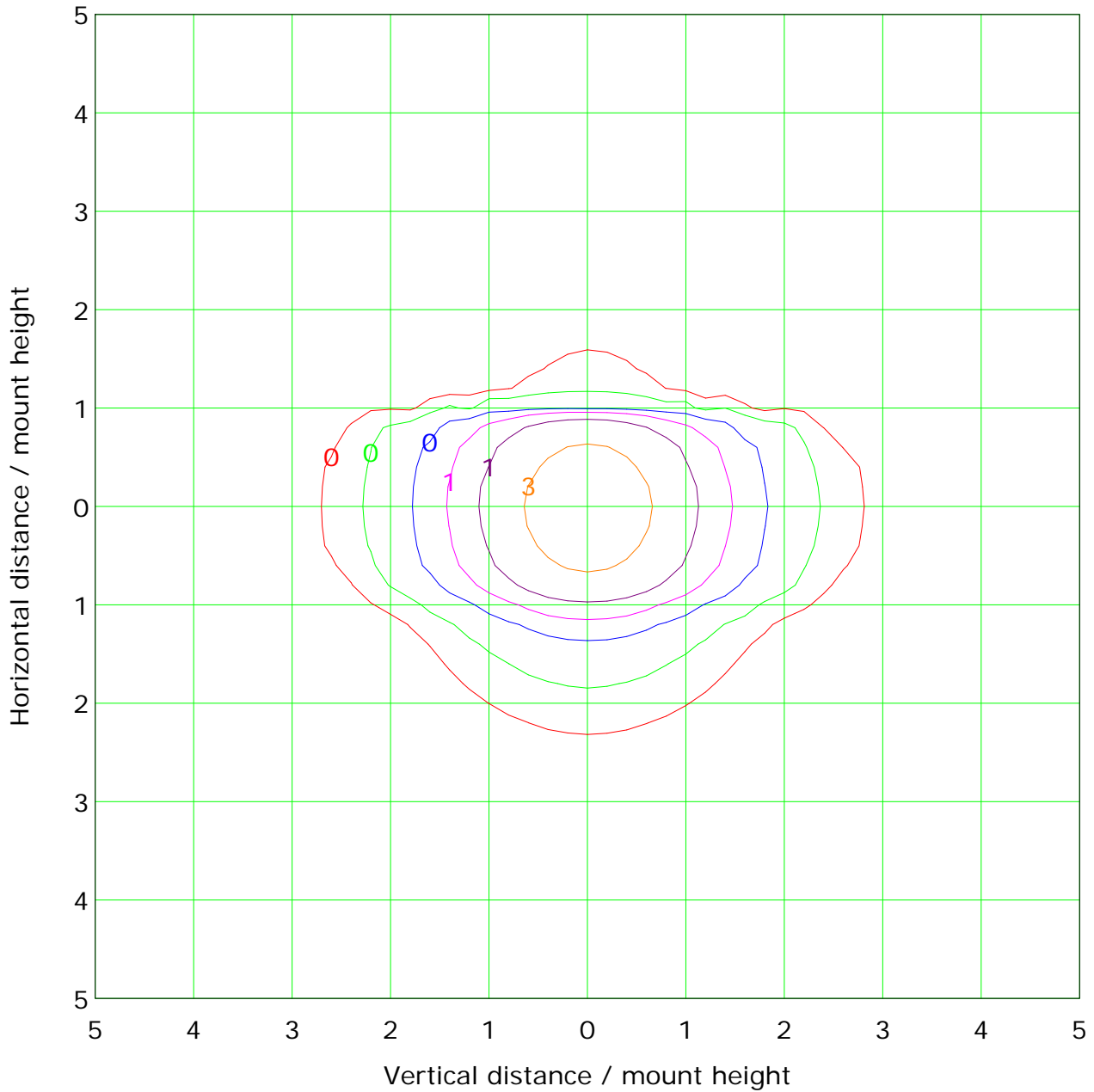
Distance: 7.970 m

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%): 0.5 lx
— (20%): 1.1 lx	— (50%): 2.7 lx
— (100%): 5.5 lx	

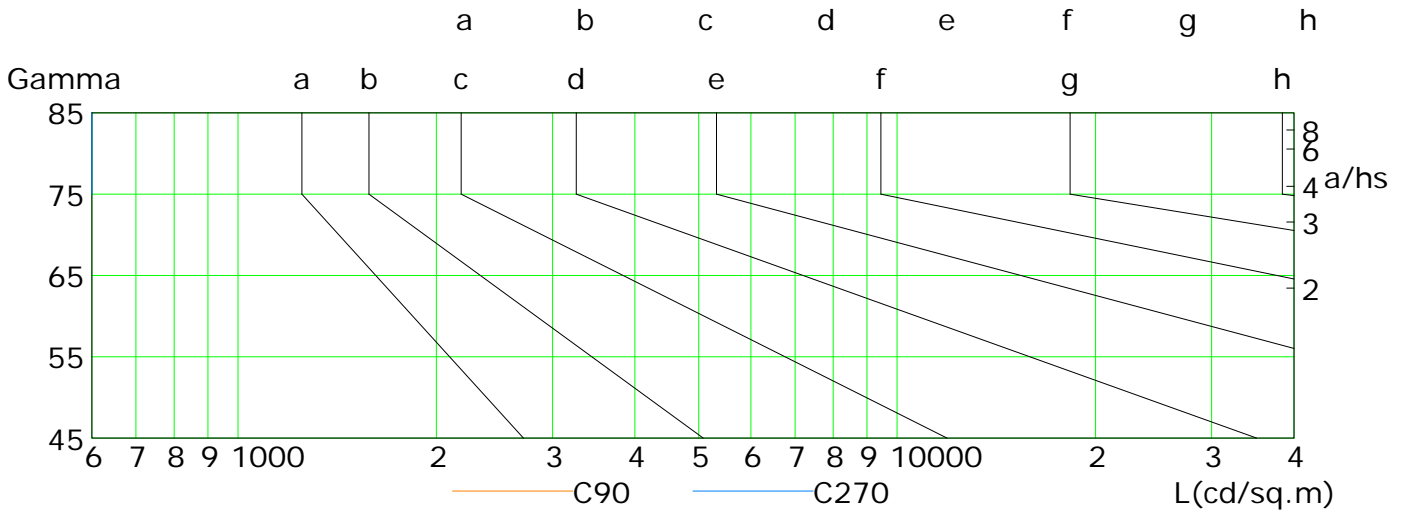
C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



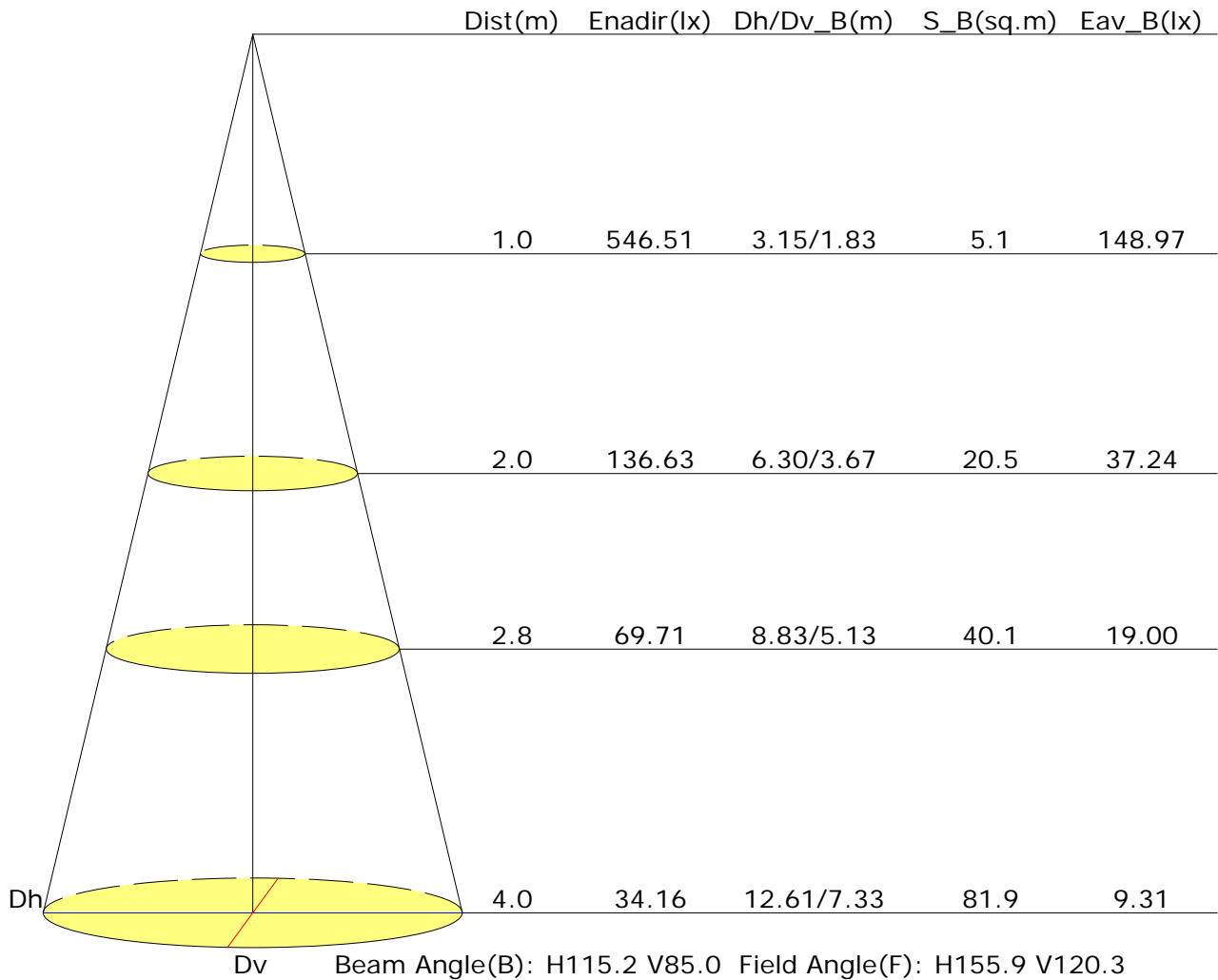
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	375	333	287	236	181	125	72	30	7
C90	265	161	120	103	92	75	54	35	22
C180	395	354	311	261	207	150	95	45	11
C270	62	34	34	38	32	11	0	0	0

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:



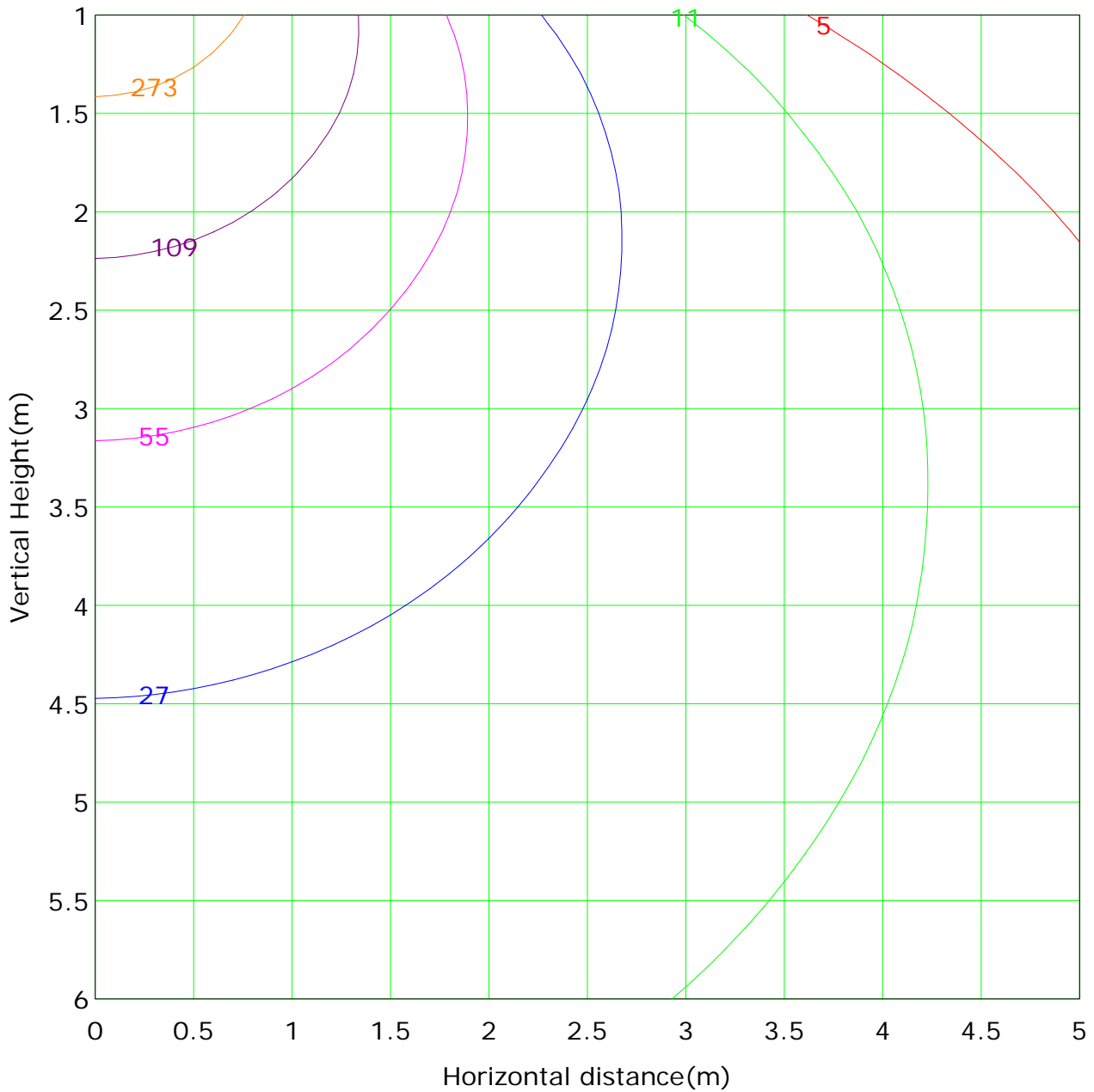
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 546.5 lx
— ( 1%): 5.5 lx	— ( 2%): 10.9 lx	
— ( 5%): 27.3 lx	— ( 10%): 54.7 lx	
— ( 20%): 109.3 lx	— ( 50%): 273.3 lx	
— (100%): 546.5 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: 14/09/2018 15:37

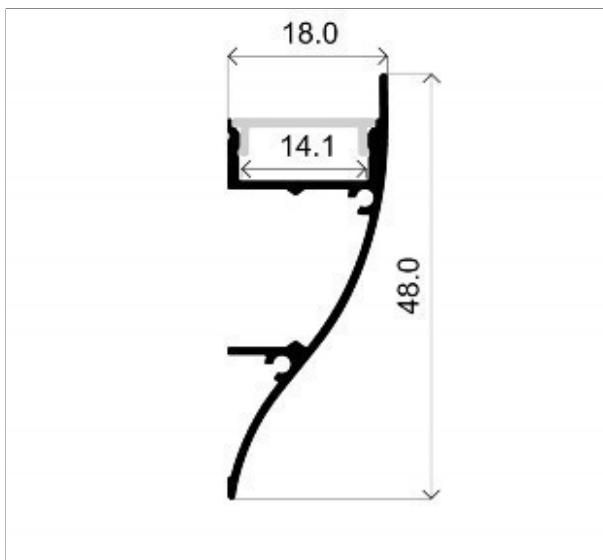
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-WL01-03 + 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: 0.584 A Power: 14.00 W  
 Power Factor: 1.000

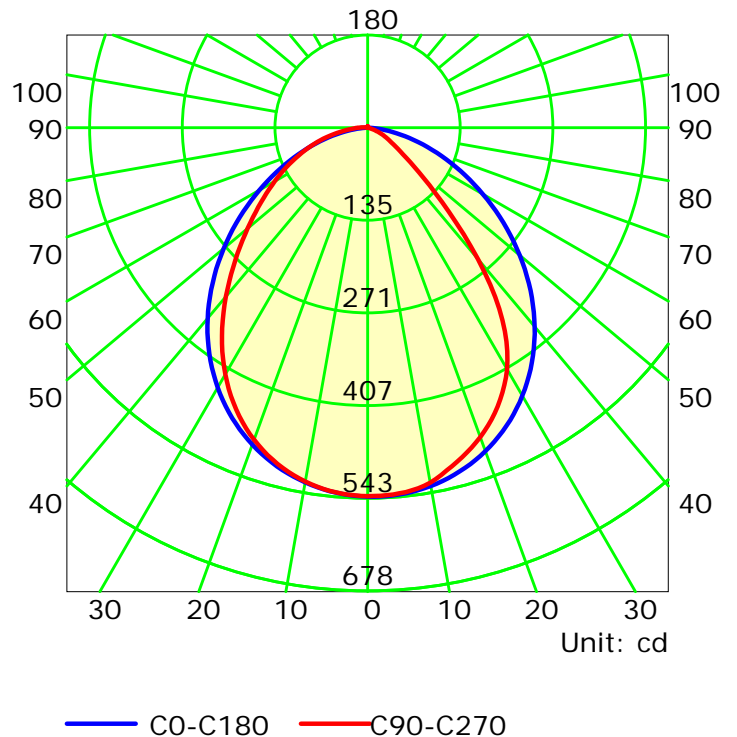
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 1188.8 lm	Efficiency: 75.29%
Downward Ratio: 74.87%	Upward Ratio: 0.41%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 154.2, 133.4, 140.4, 140.5	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 102.7, 84.5, 93.2, 93.5	
Luminaire Efficacy Rating (LER): 84.96	Central Intensity: 540.75 cd
Max. Intensity: 540.97 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

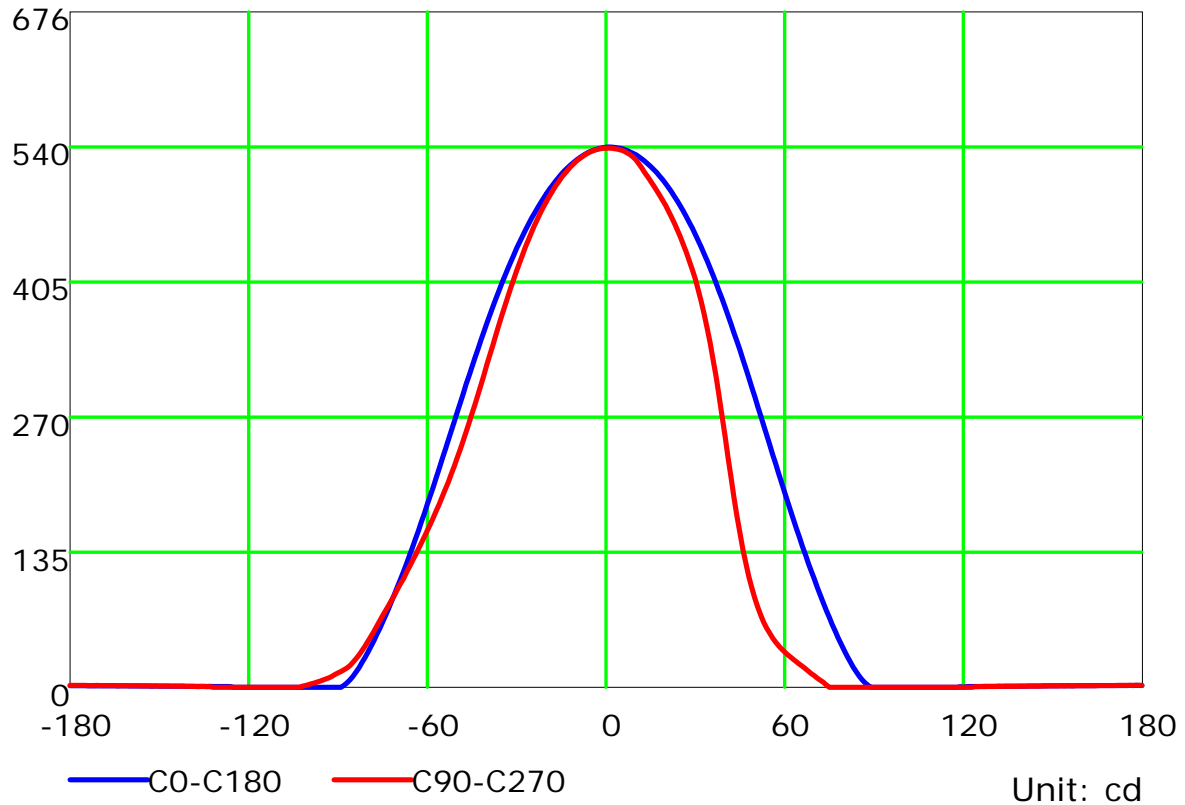
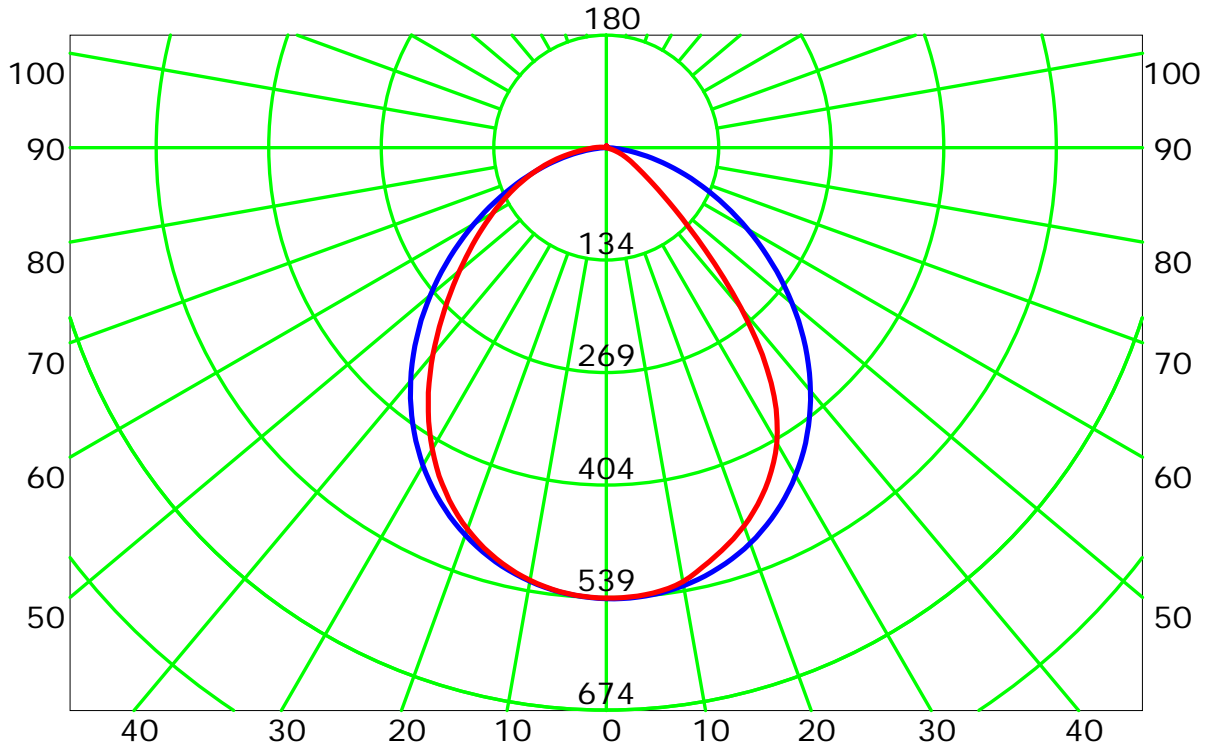


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve

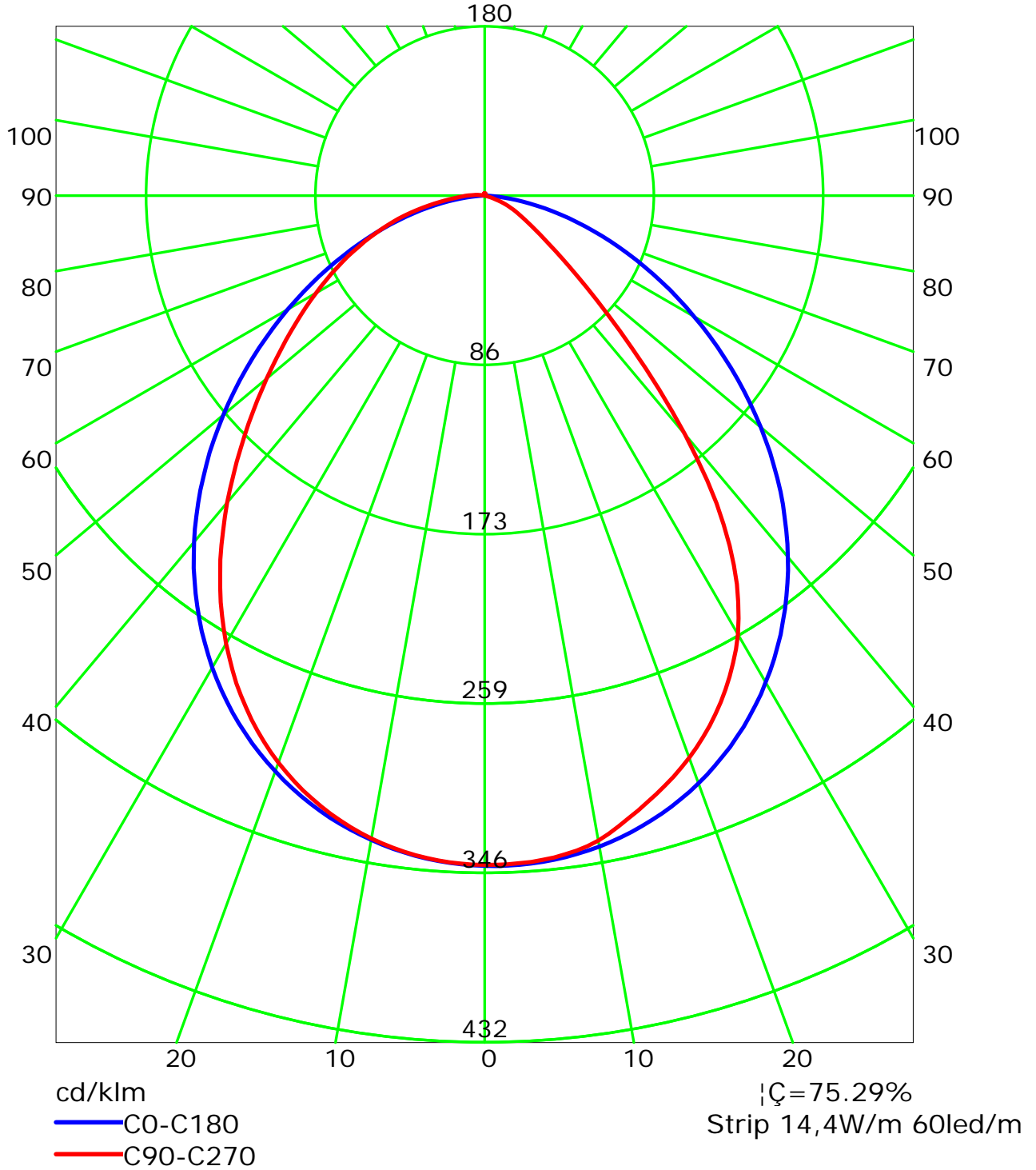


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve(cd/klm)

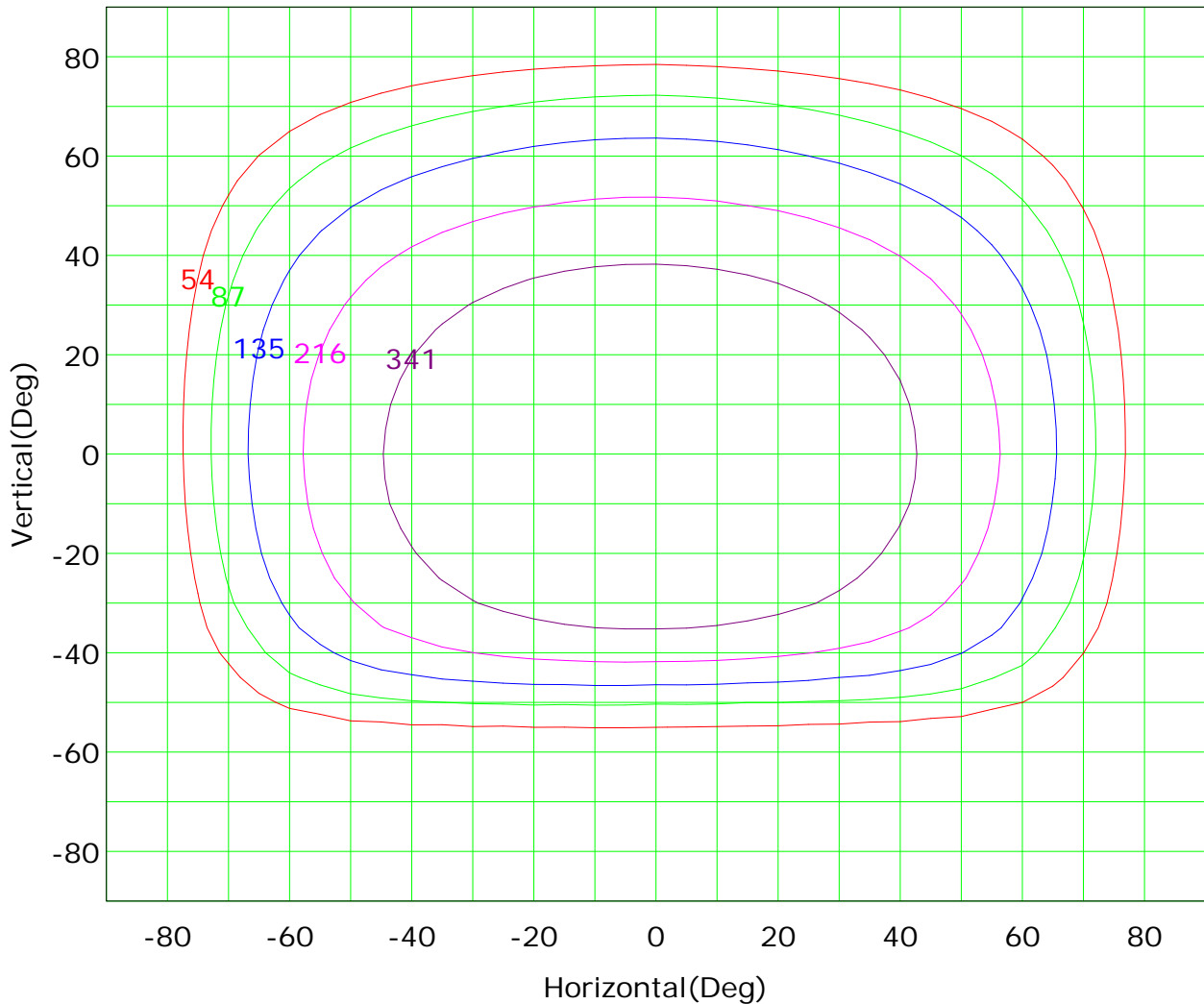


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Isocandela (rectangle)



Imax (100%): 541 cd

— ( 10%):	54 cd	— ( 16%):	87 cd
— ( 25%):	135 cd	— ( 40%):	216 cd
— ( 63%):	341 cd	— (100%):	541 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

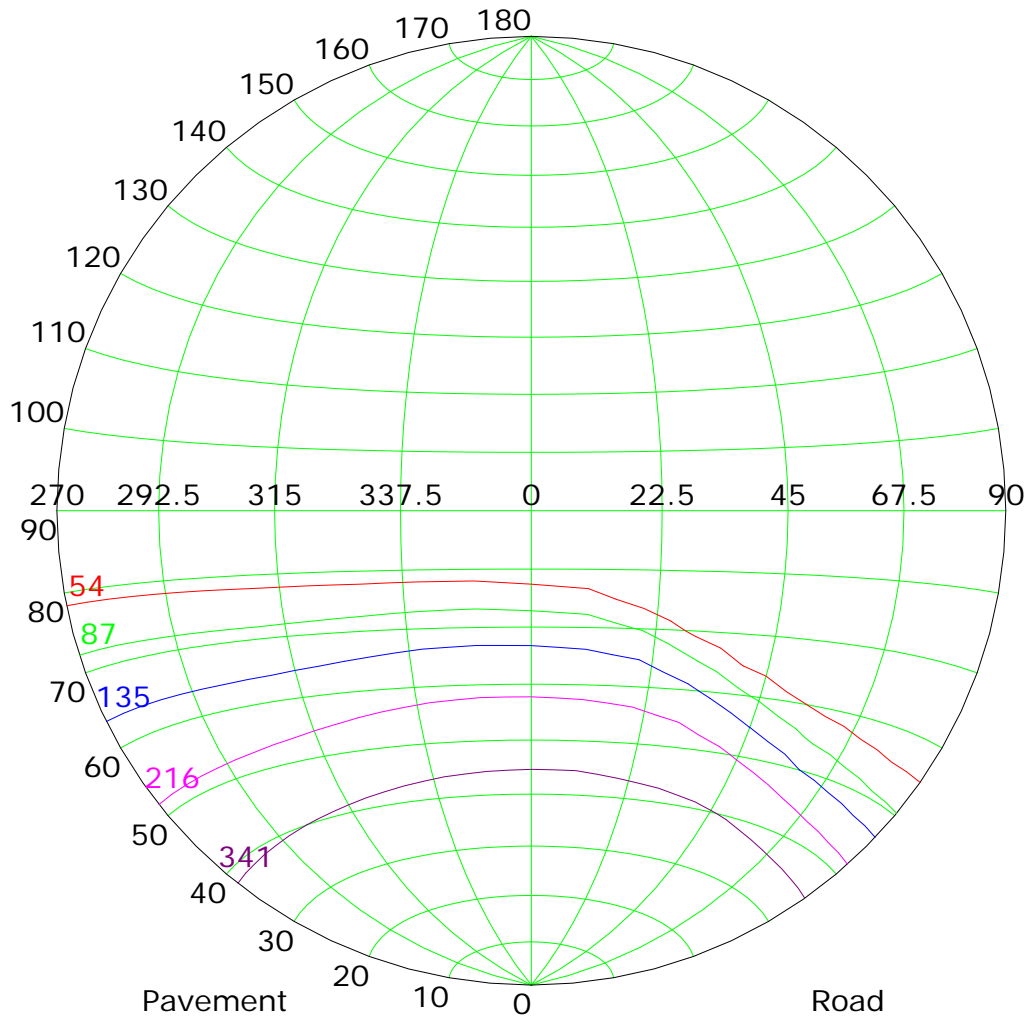
Distance: 7.970 m

Humidity:

Inspector:



## Isocandela (sphere)



Imax (100%): 541 cd

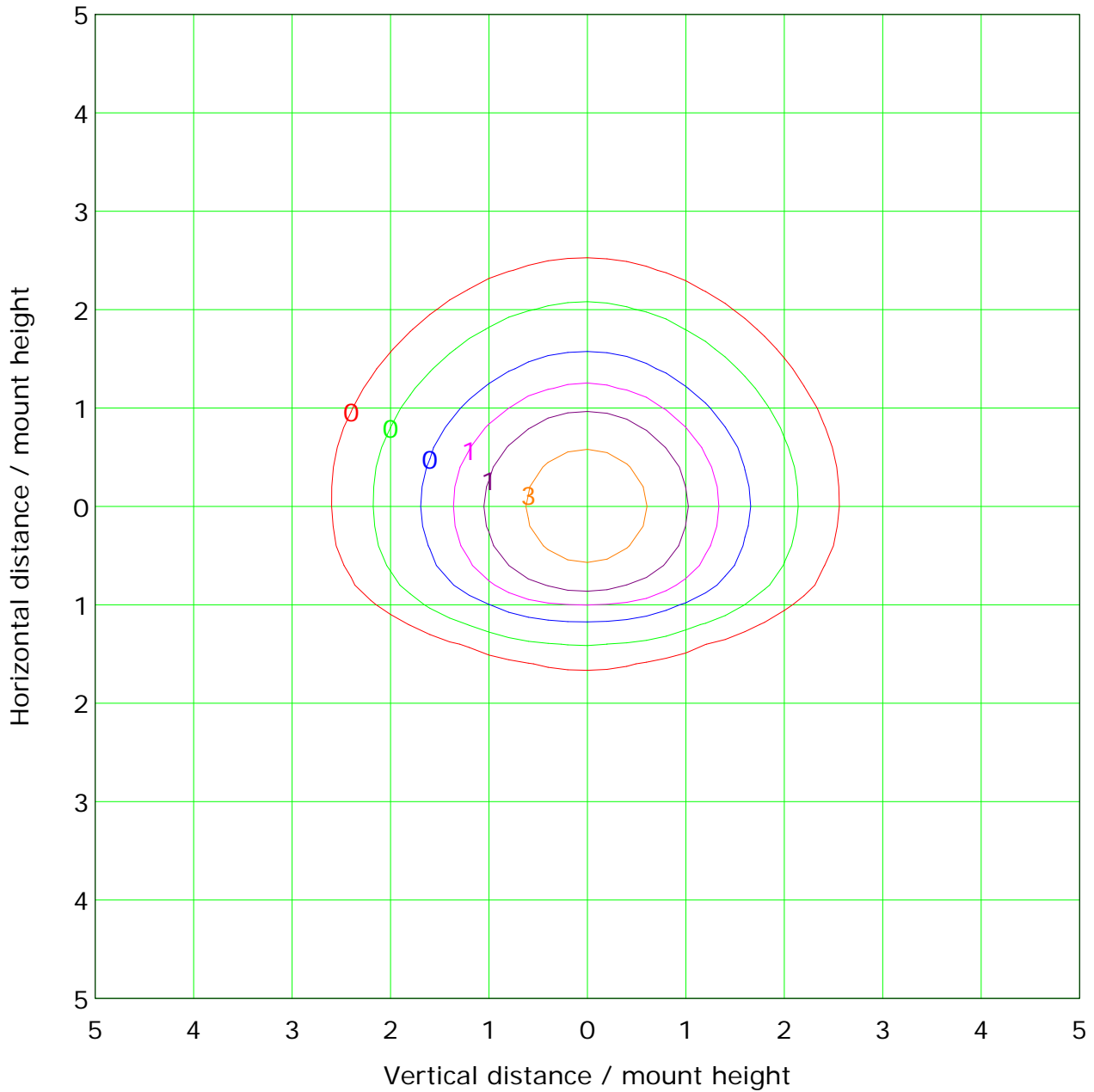
— ( 10%):	54 cd	— ( 16%):	87 cd
— ( 25%):	135 cd	— ( 40%):	216 cd
— ( 63%):	341 cd	— (100%):	541 cd

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		

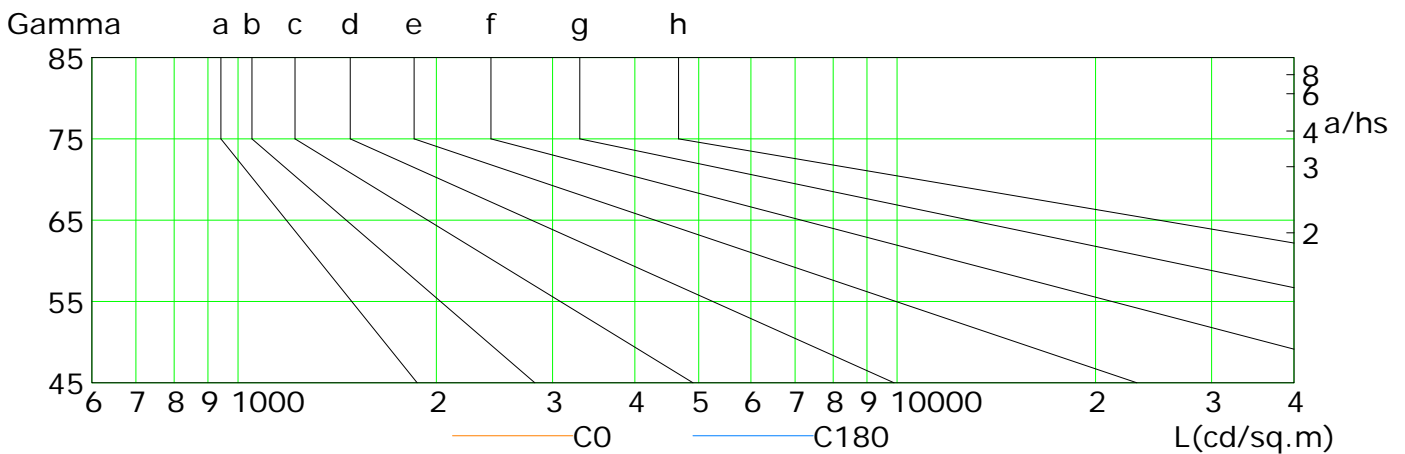
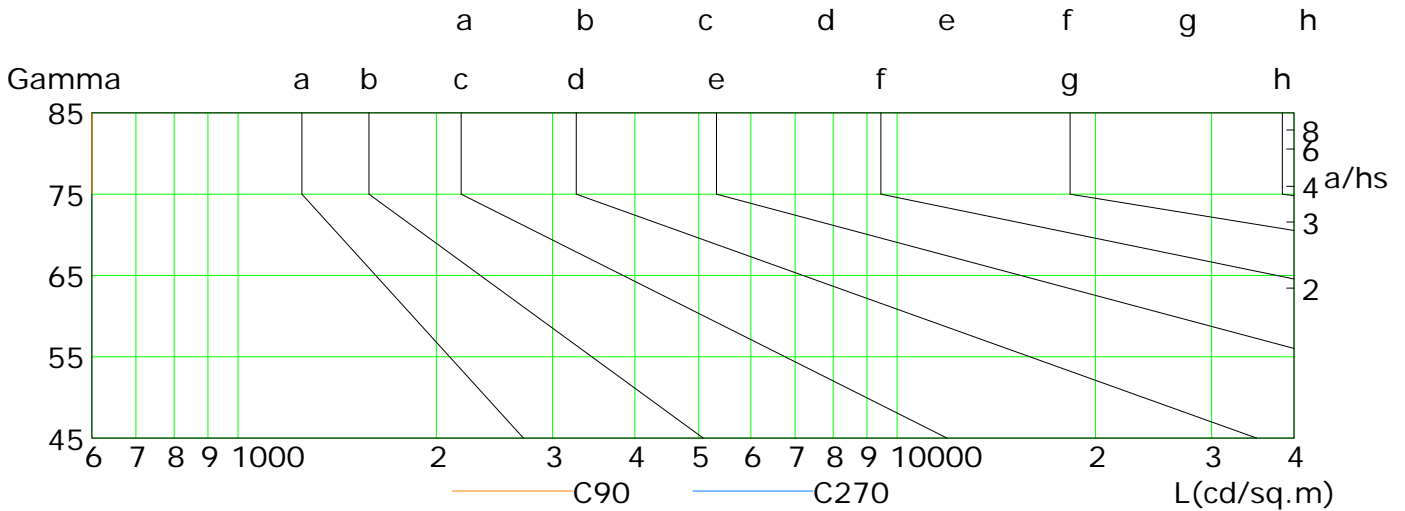
C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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)							
		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	338	291	243	195	150	108	70	37	11
C90	154	89	54	36	23	12	0	0	0
C180	321	275	229	184	140	101	66	35	11
C270	274	230	191	157	127	98	72	46	25

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

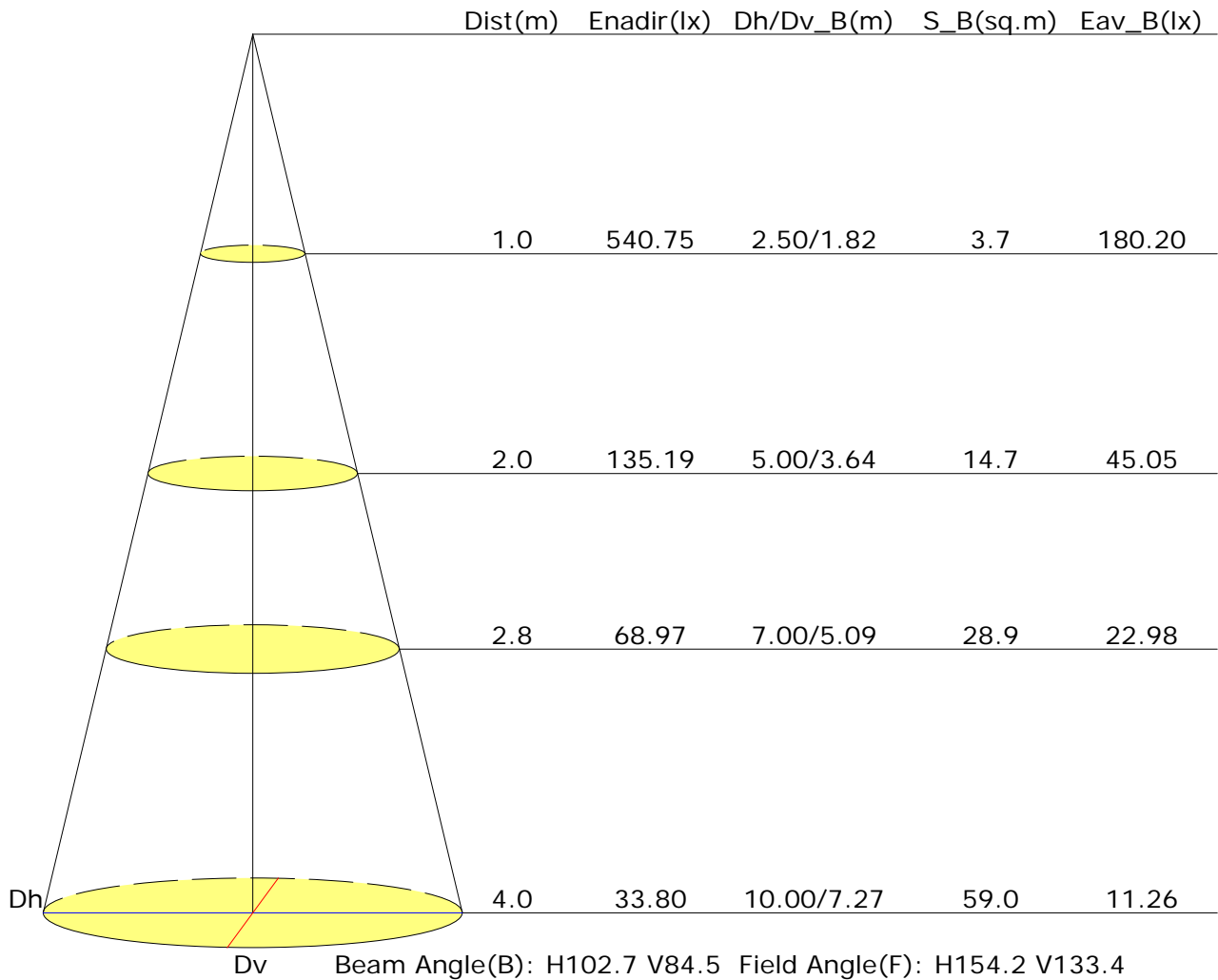
Humidity:

Inspector:



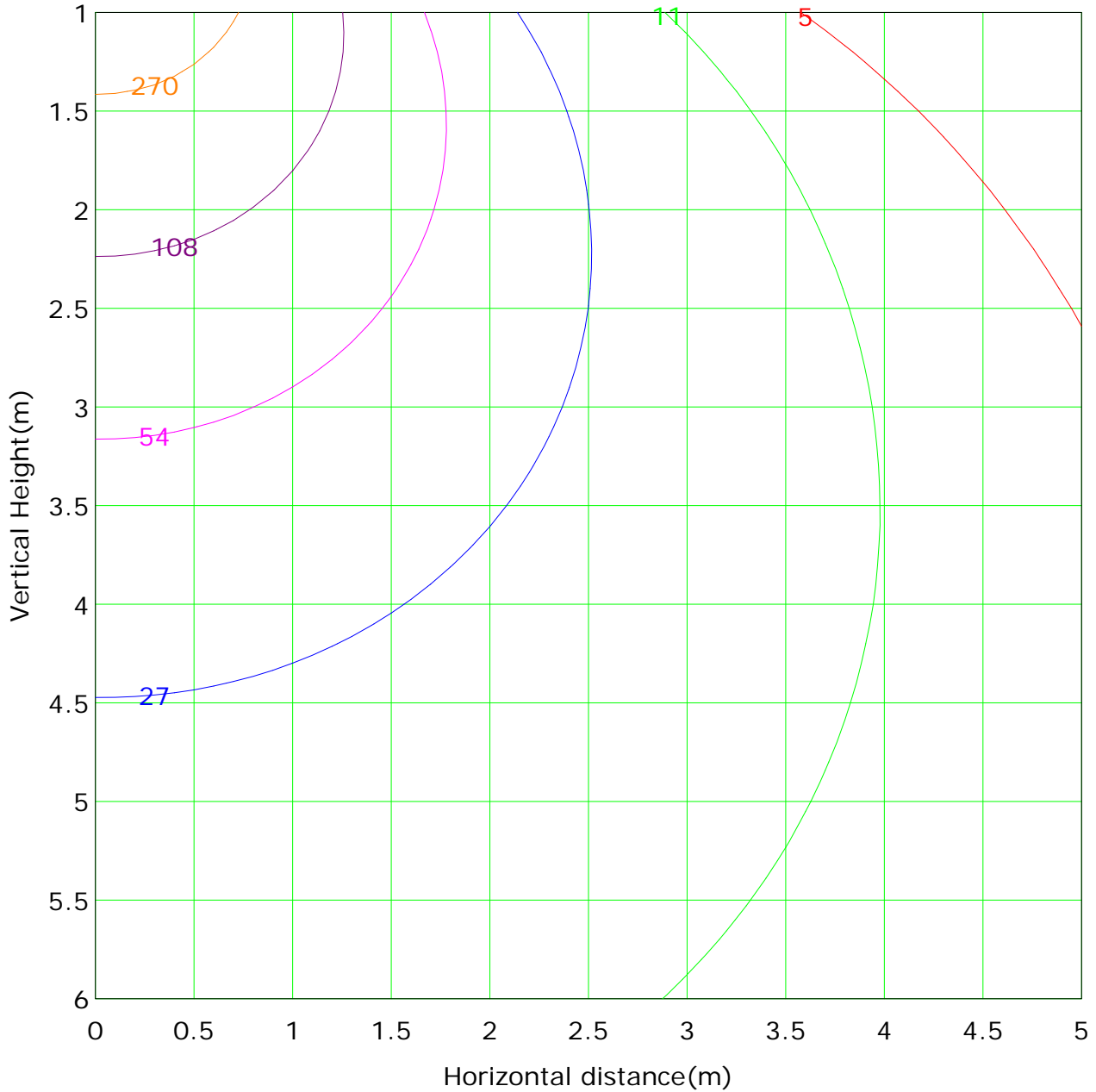


## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 540.8 lx
— ( 1%): 5.4 lx	— ( 2%): 10.8 lx	
— ( 5%): 27.0 lx	— (10%): 54.1 lx	
— (20%): 108.2 lx	— (50%): 270.4 lx	
— (100%): 540.8 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:



Report No.:

Test Time: 14/09/2018 12:59

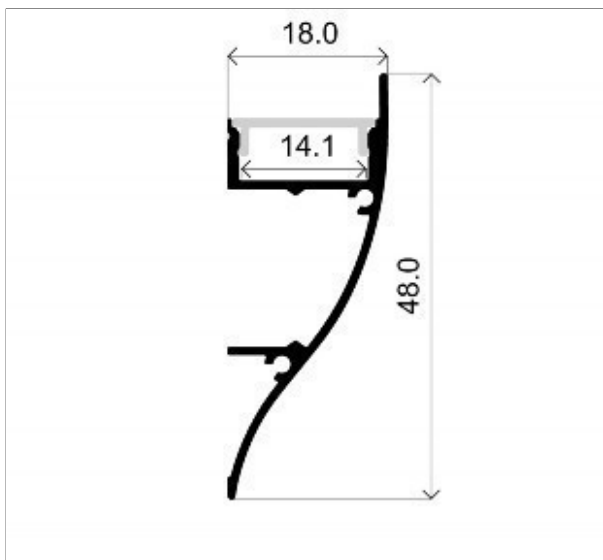
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-WL01-03 + 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: 0.587 A Power: 14.10 W  
 Power Factor: 1.000

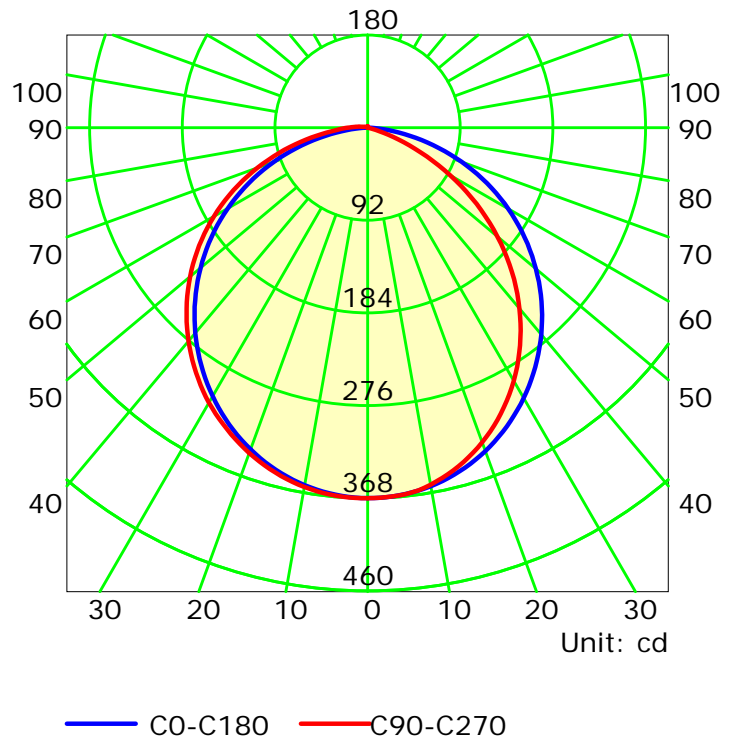
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 999.5 lm	Efficiency: 63.30%
Downward Ratio: 62.76%	Upward Ratio: 0.54%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 160.2, 152.4, 154.6, 154.6	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 112.1, 106.4, 108.5, 108.5	
Luminaire Efficacy Rating (LER): 70.93	Central Intensity: 368.49 cd
Max. Intensity: 368.65 cd	Pos of Max. Intensity: H30 V0
S/MH(C0/C180): 1.25	S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve

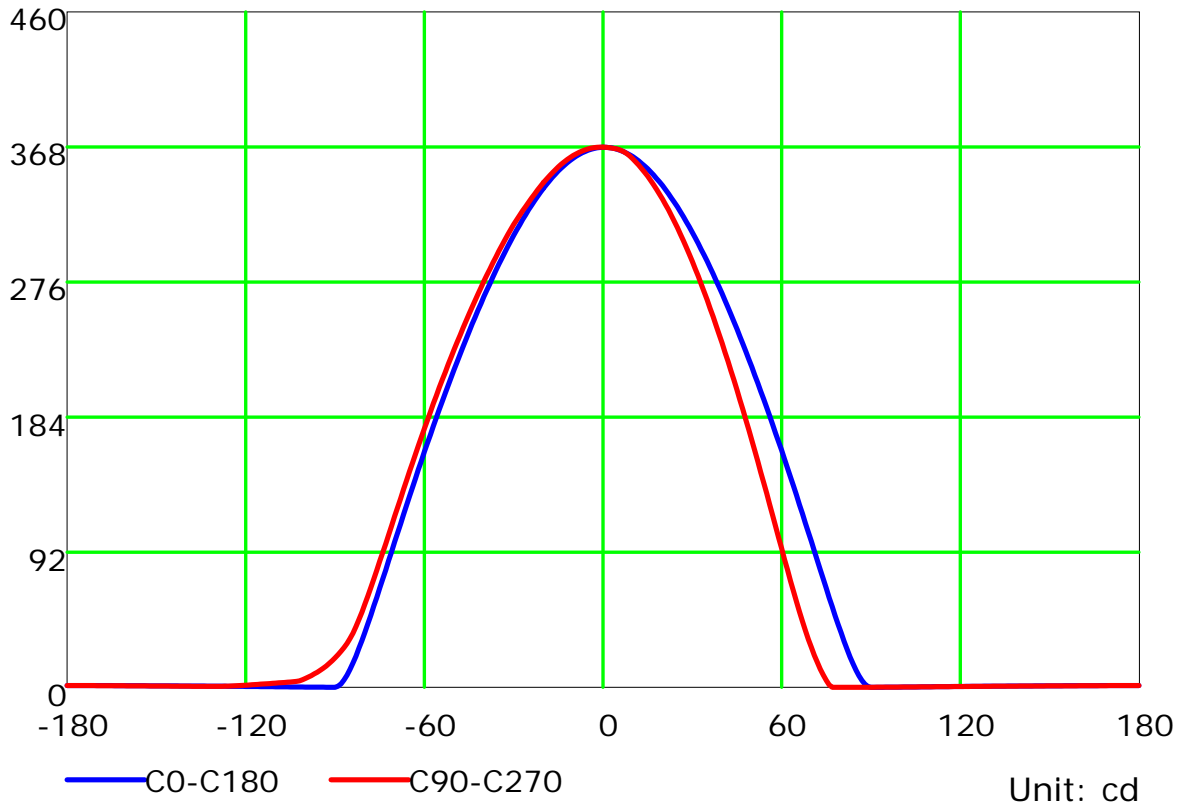
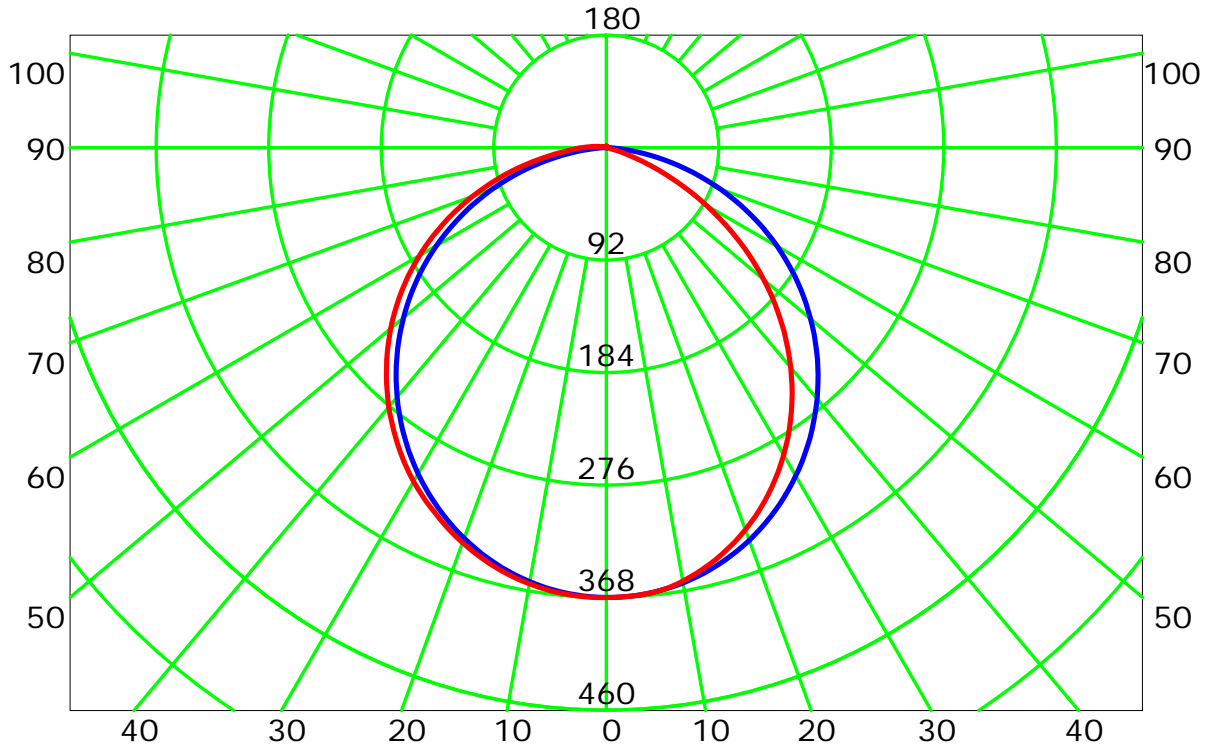


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve

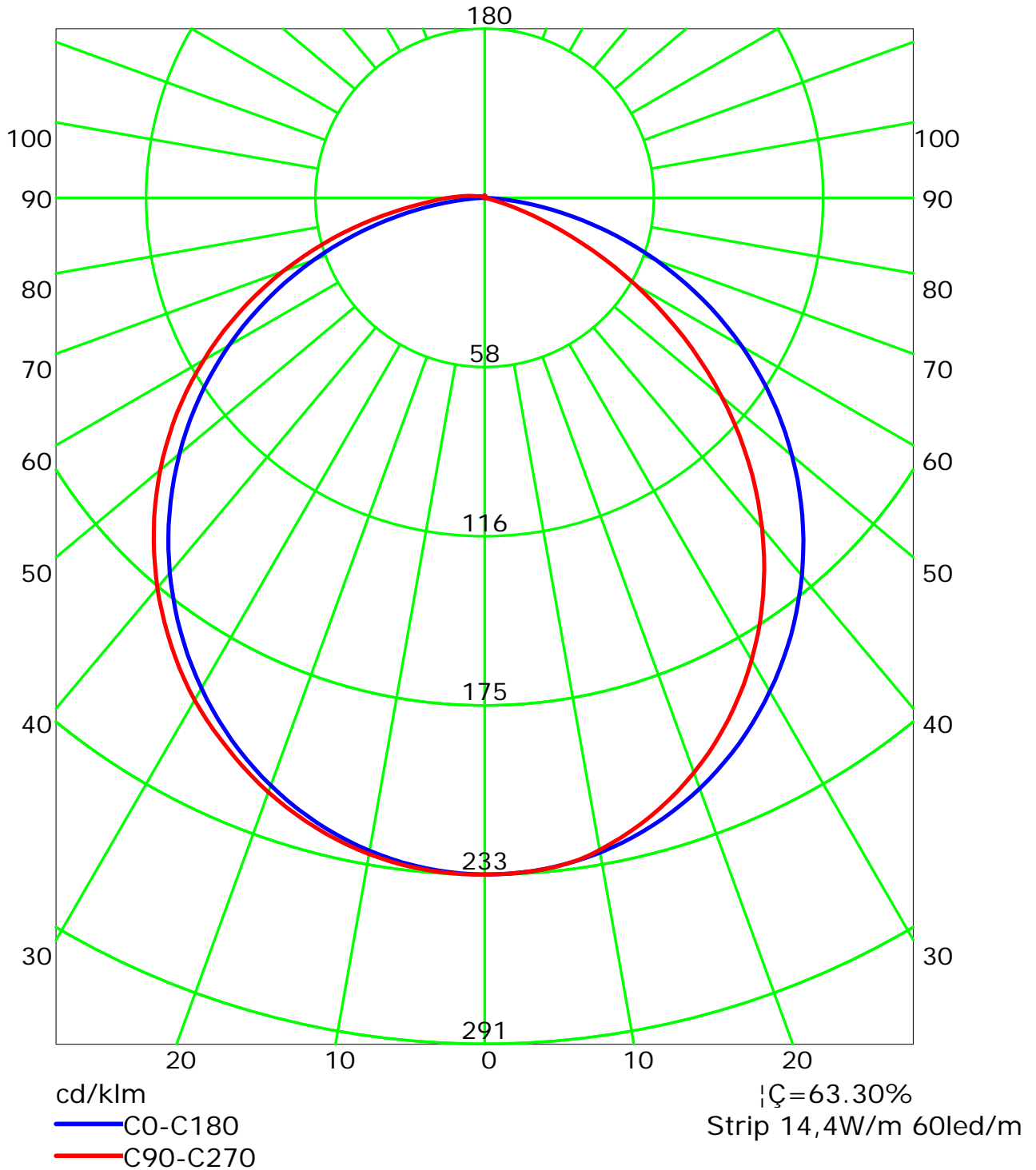


C Plane (°):0.0-360.0: 10.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



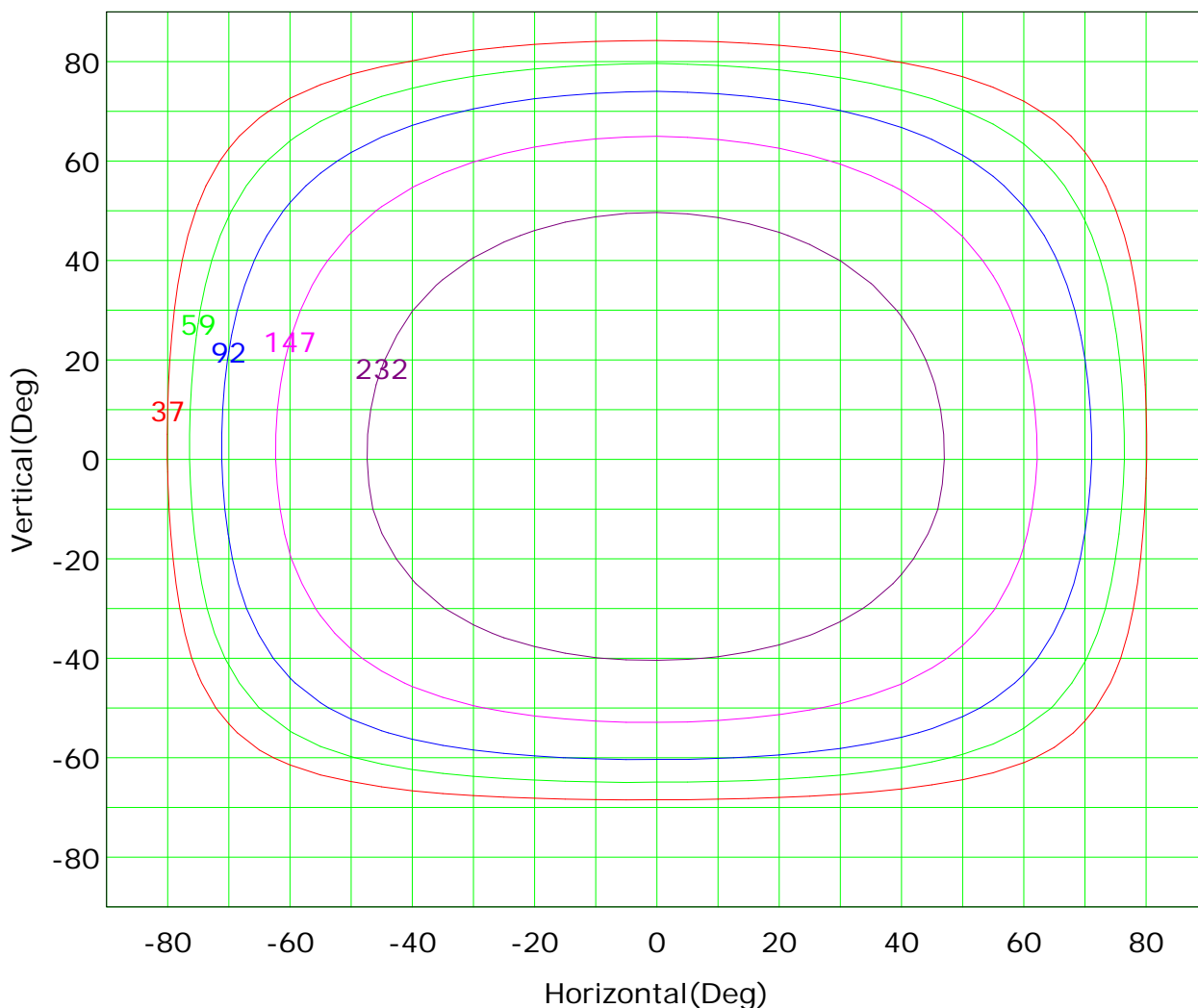
## Luminous Intensity Distribution Curve(cd/klm)



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%): 369 cd

- |           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 37 cd  | — ( 16%): | 59 cd  |
| — ( 25%): | 92 cd  | — ( 40%): | 147 cd |
| — ( 63%): | 232 cd | — (100%): | 369 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

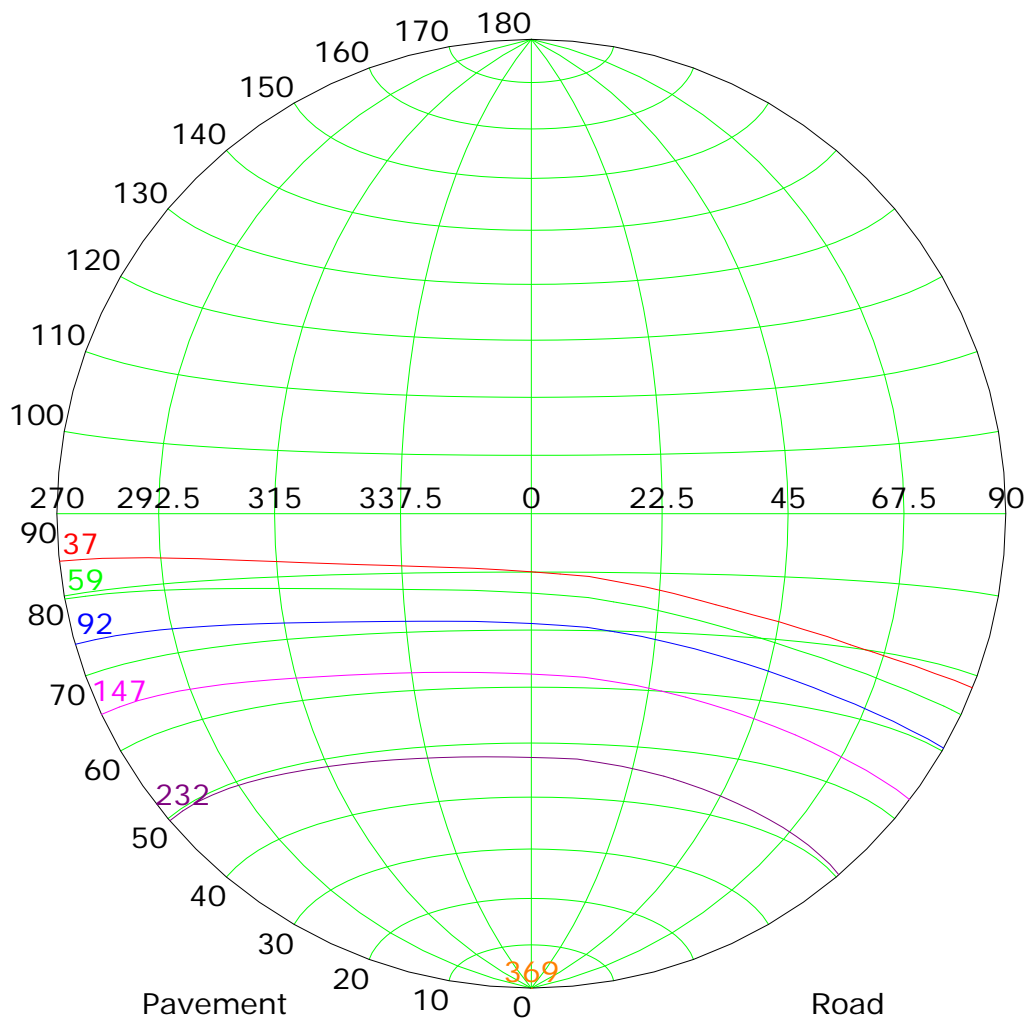
Distance: 7.970 m

Humidity:

Inspector:



## Isocandela (sphere)

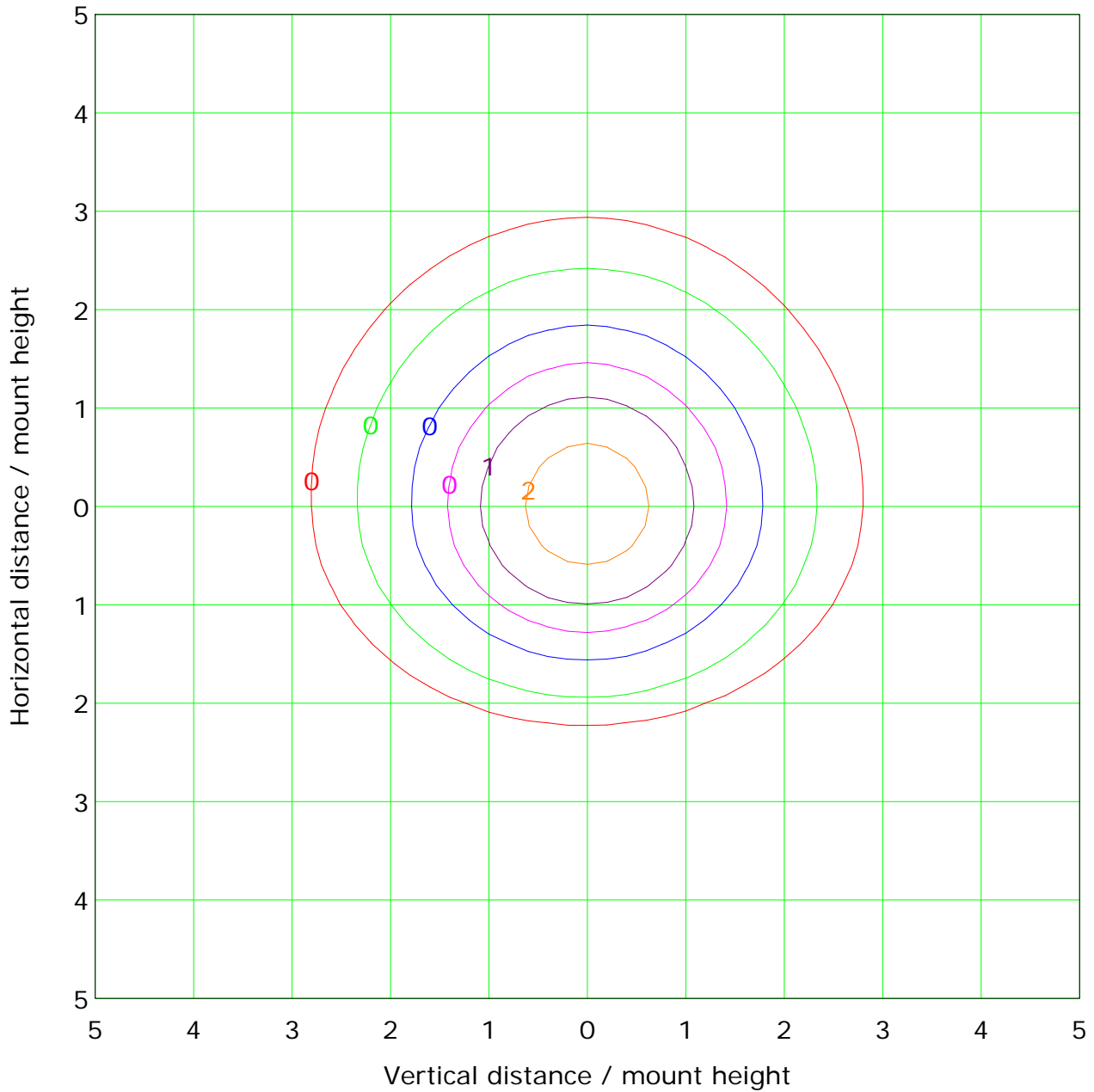


Imax (100%): 369 cd

— ( 10%):	37 cd	— ( 16%):	59 cd
— ( 25%):	92 cd	— ( 40%):	147 cd
— ( 63%):	232 cd	— (100%):	369 cd



## 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%):	1.8 lx
— (100%):	3.7 lx		

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

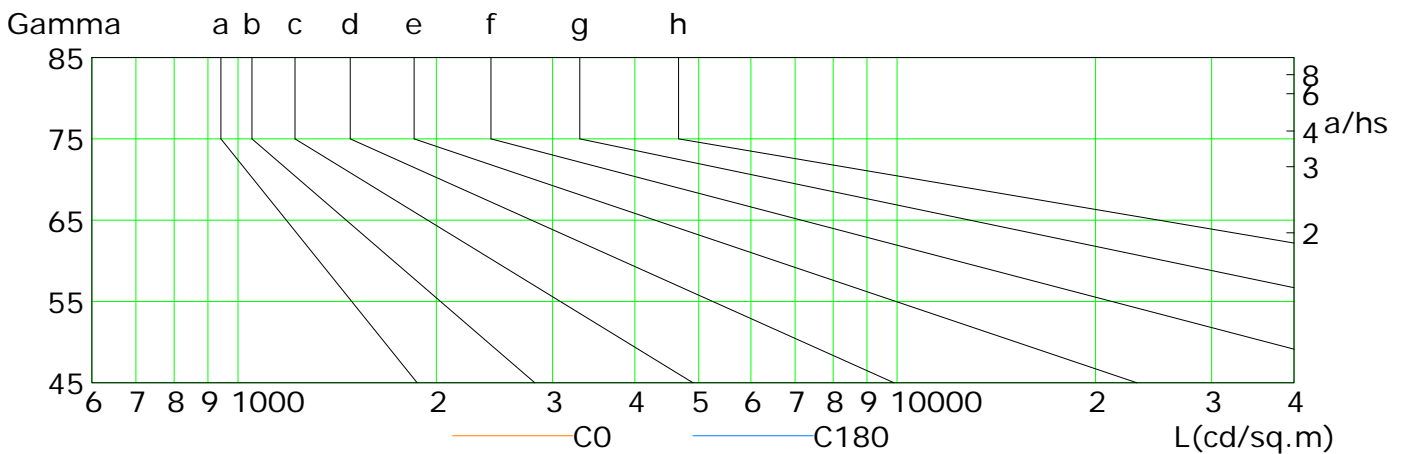
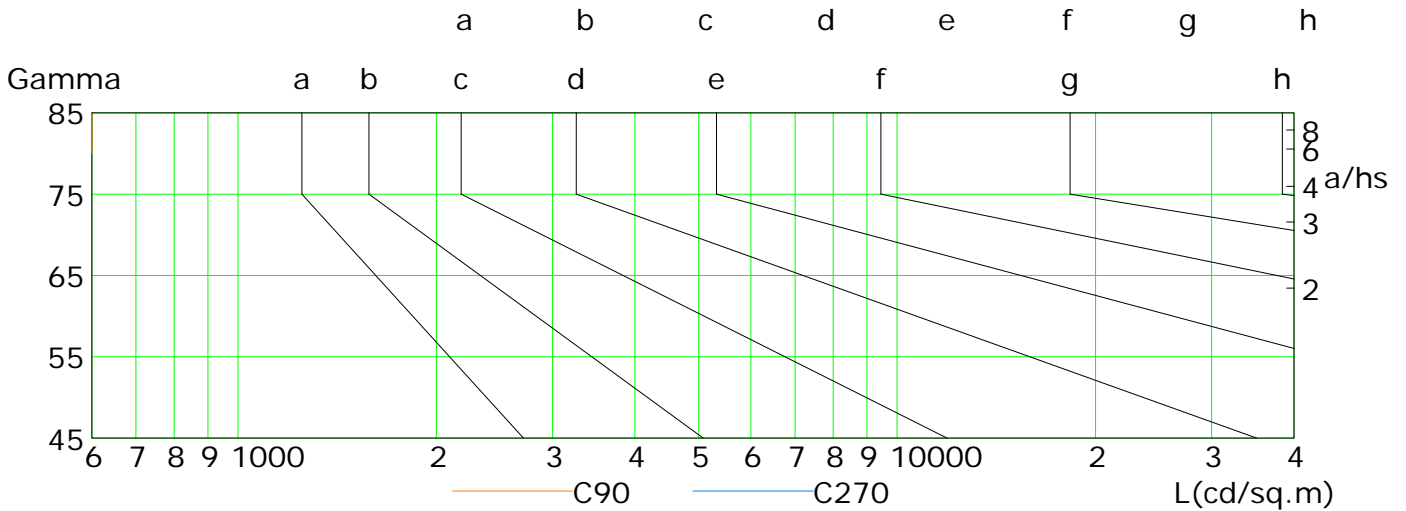
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-2000  
 Distance: 7.970 m  
 Humidity:  
 Inspector:





## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		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	245	219	191	162	131	100	68	37	12
C90	203	168	132	95	58	27	5	0	0
C180	243	217	190	161	130	99	68	37	12
C270	255	231	205	177	147	117	86	57	33

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

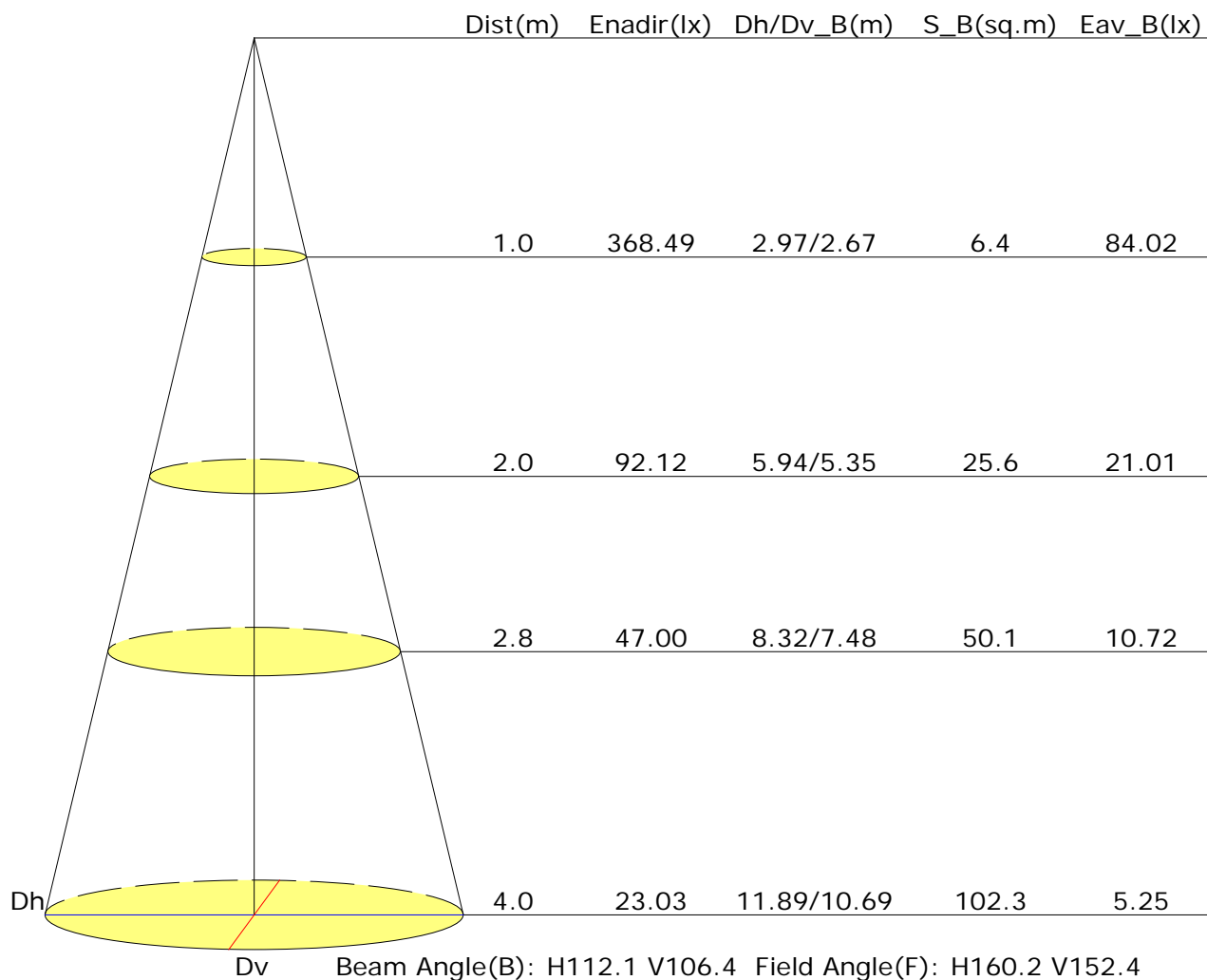
Distance: 7.970 m

Humidity:

Inspector:

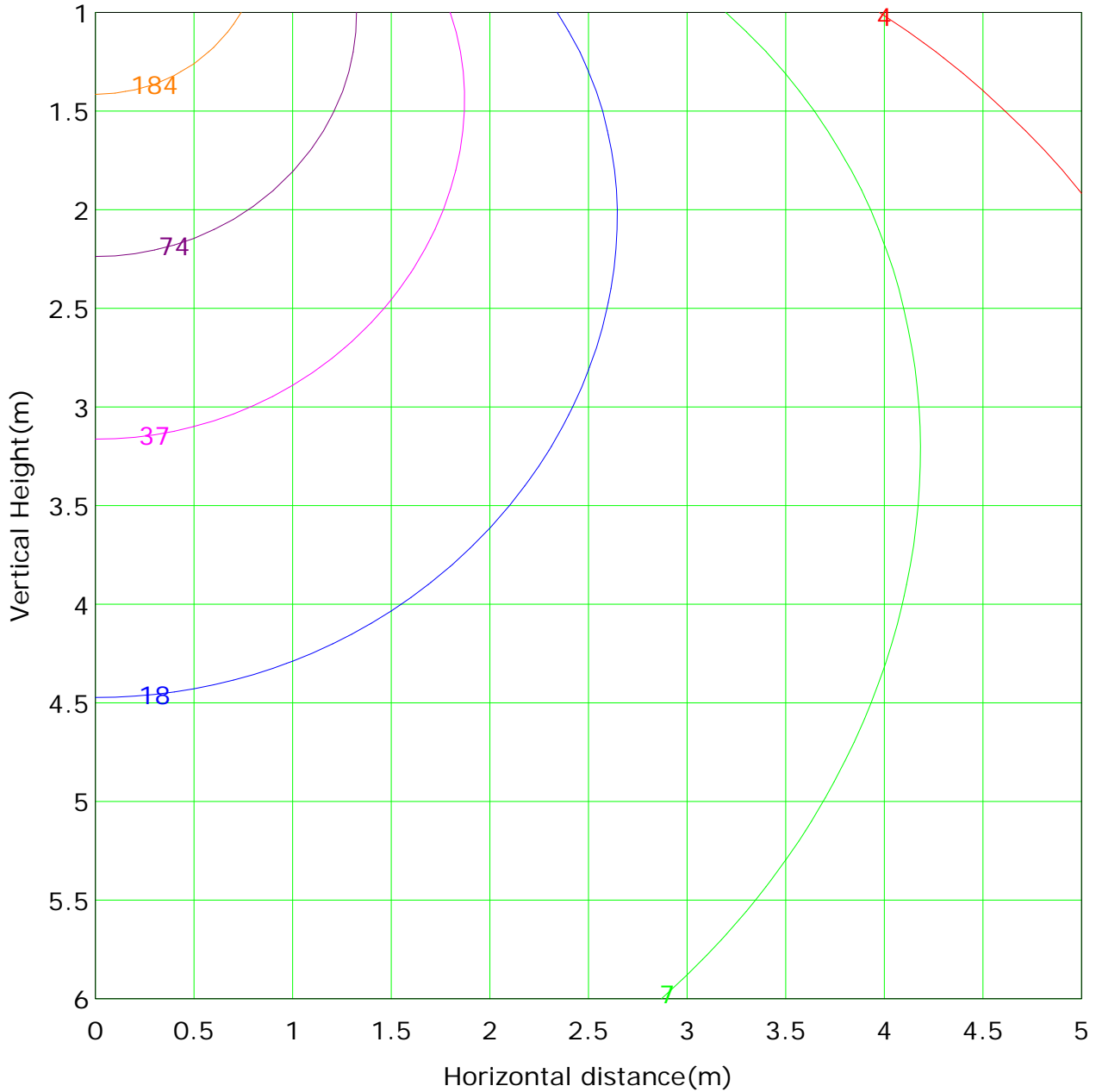


## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 368.5 lx
— ( 1%): 3.7 lx	— ( 2%): 7.4 lx	
— ( 5%): 18.4 lx	— ( 10%): 36.8 lx	
— ( 20%): 73.7 lx	— ( 50%): 184.2 lx	
— (100%): 368.5 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: 14/09/2018 14:37

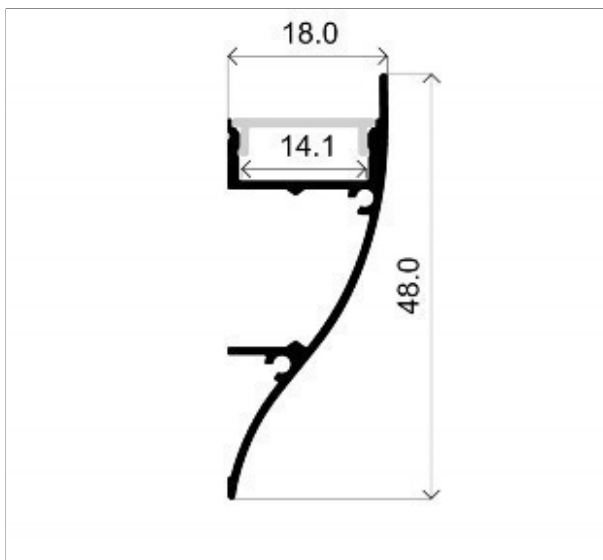
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-WL01-03 + 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: 0.582 A Power: 13.95 W  
 Power Factor: 1.000

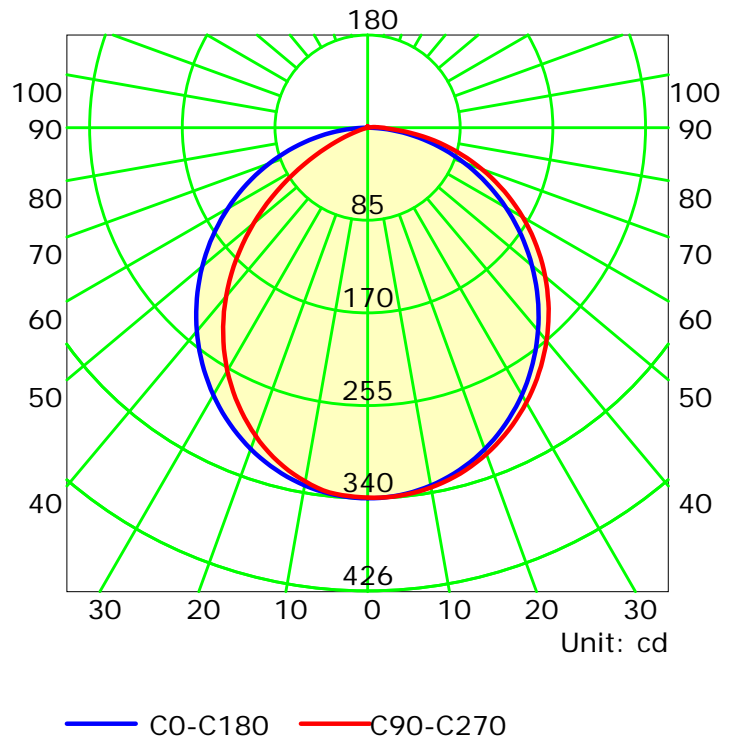
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 905.1 lm	Efficiency: 57.32%
Downward Ratio: 56.97%	Upward Ratio: 0.35%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.8, 149.7, 153.9, 153.9	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 111.1, 104.0, 106.5, 106.7	
Luminaire Efficacy Rating (LER): 64.93	Central Intensity: 340.93 cd
Max. Intensity: 340.93 cd	Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.24	S/MH(C90/C270): 1.20

Picture Of Luminaire



Luminous Intensity Distribution Curve

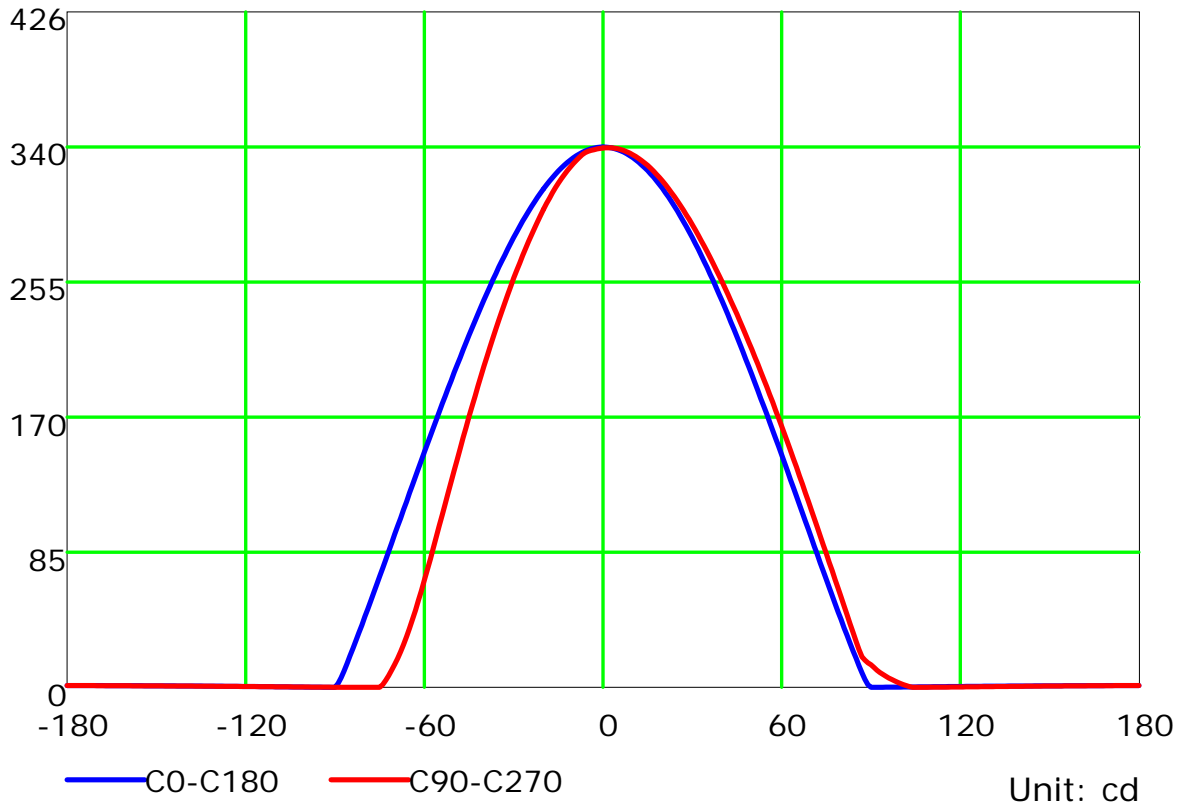
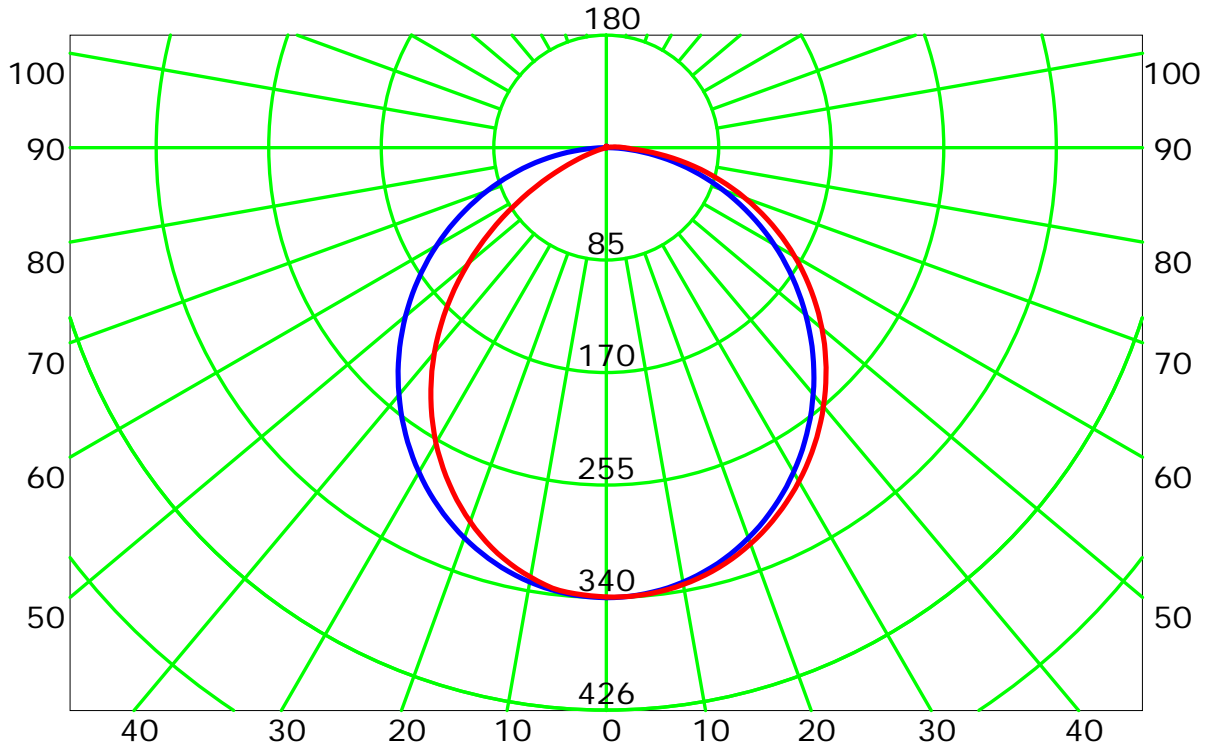


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve

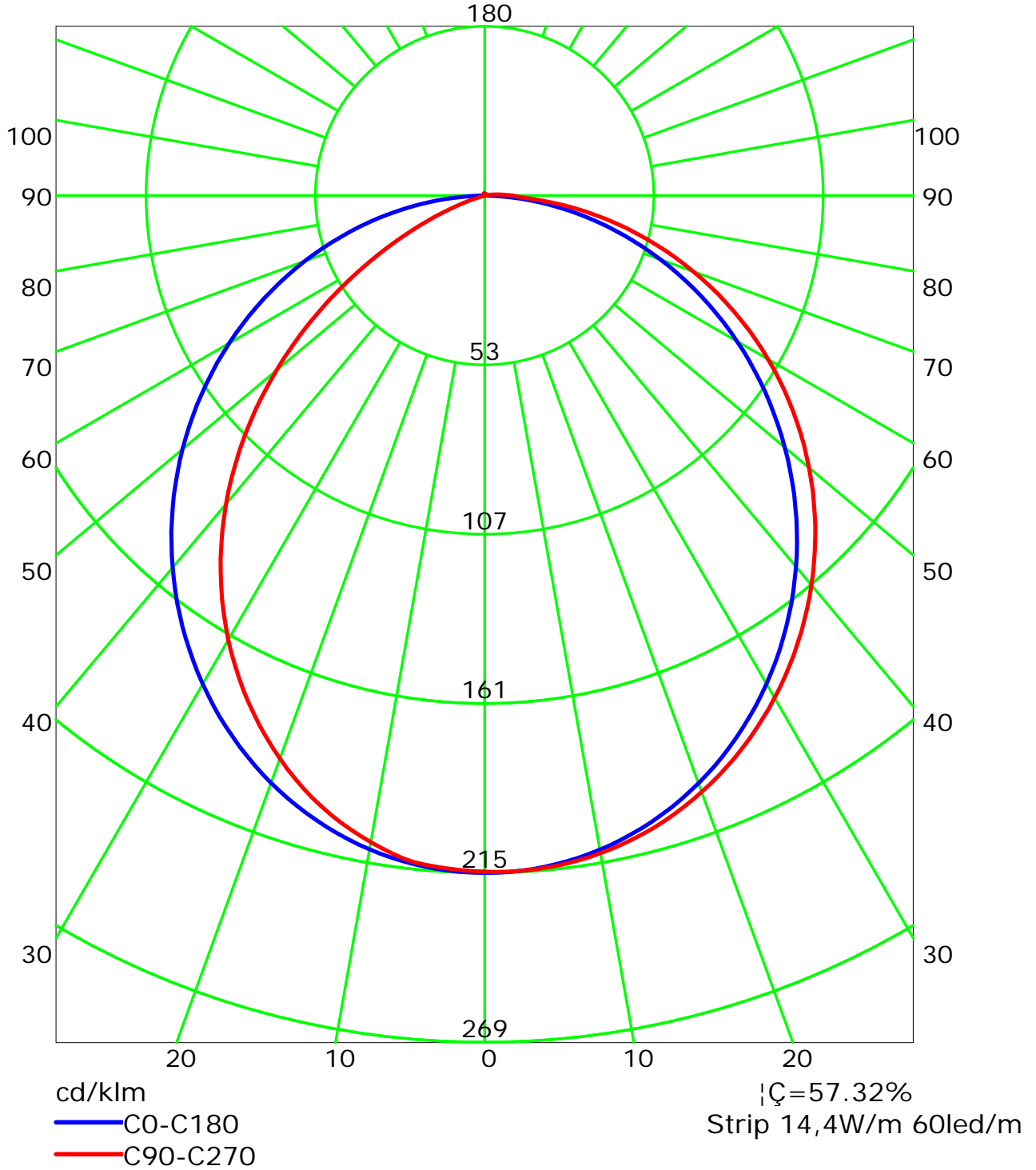


C Plane (°):0.0-360.0: 10.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



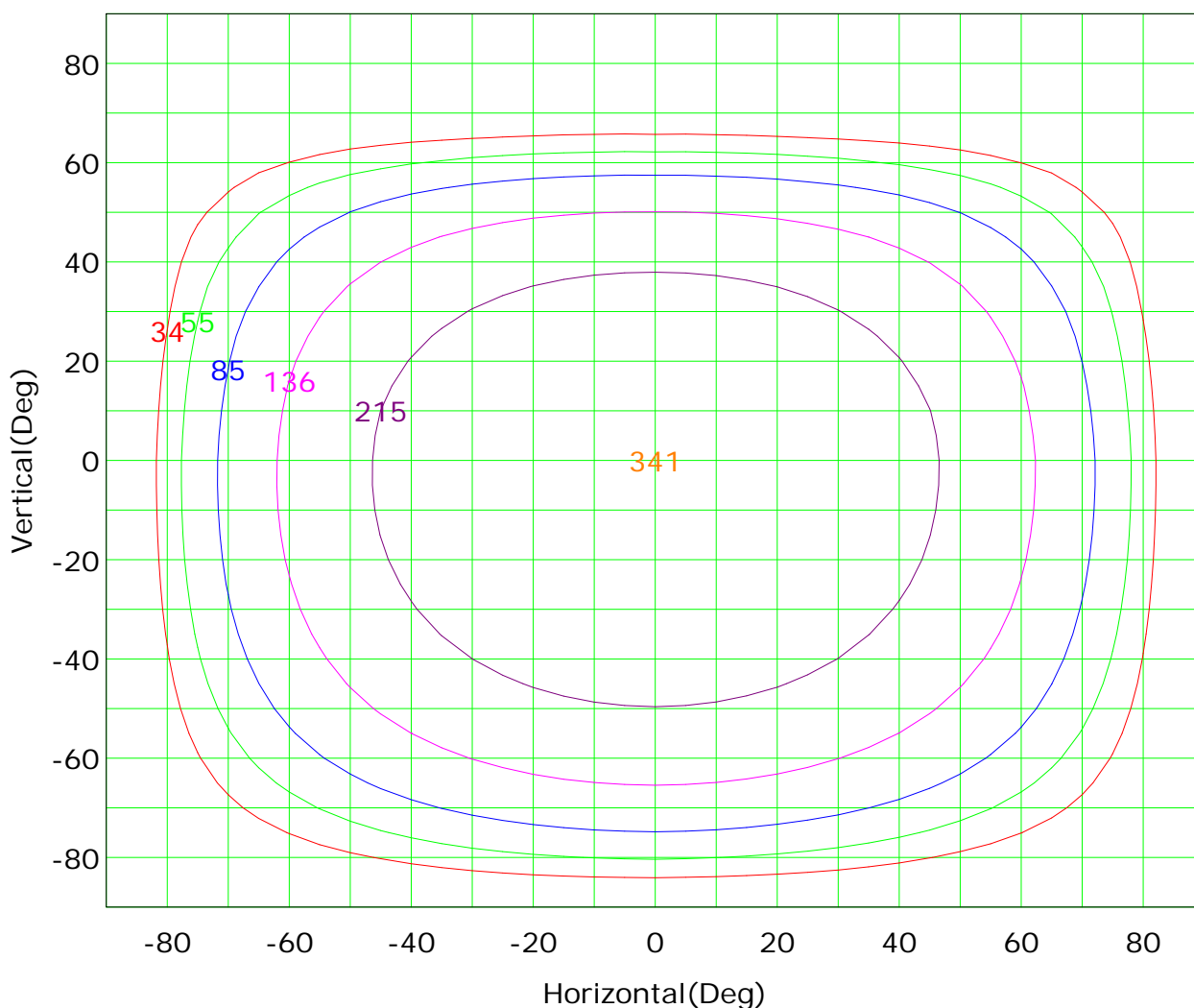
## Luminous Intensity Distribution Curve(cd/klm)



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%): 341 cd

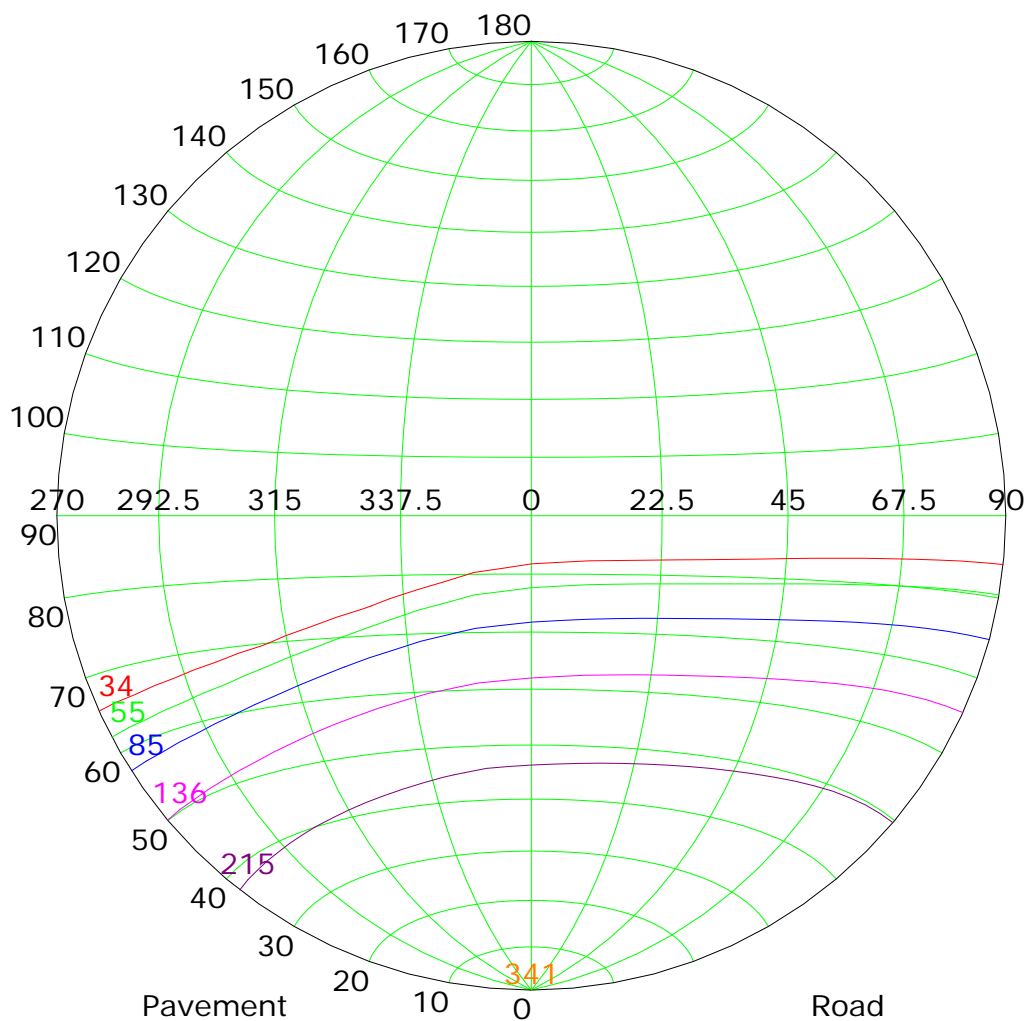
— ( 10%):	34 cd	— ( 16%):	55 cd
— ( 25%):	85 cd	— ( 40%):	136 cd
— ( 63%):	215 cd	— (100%):	341 cd

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)



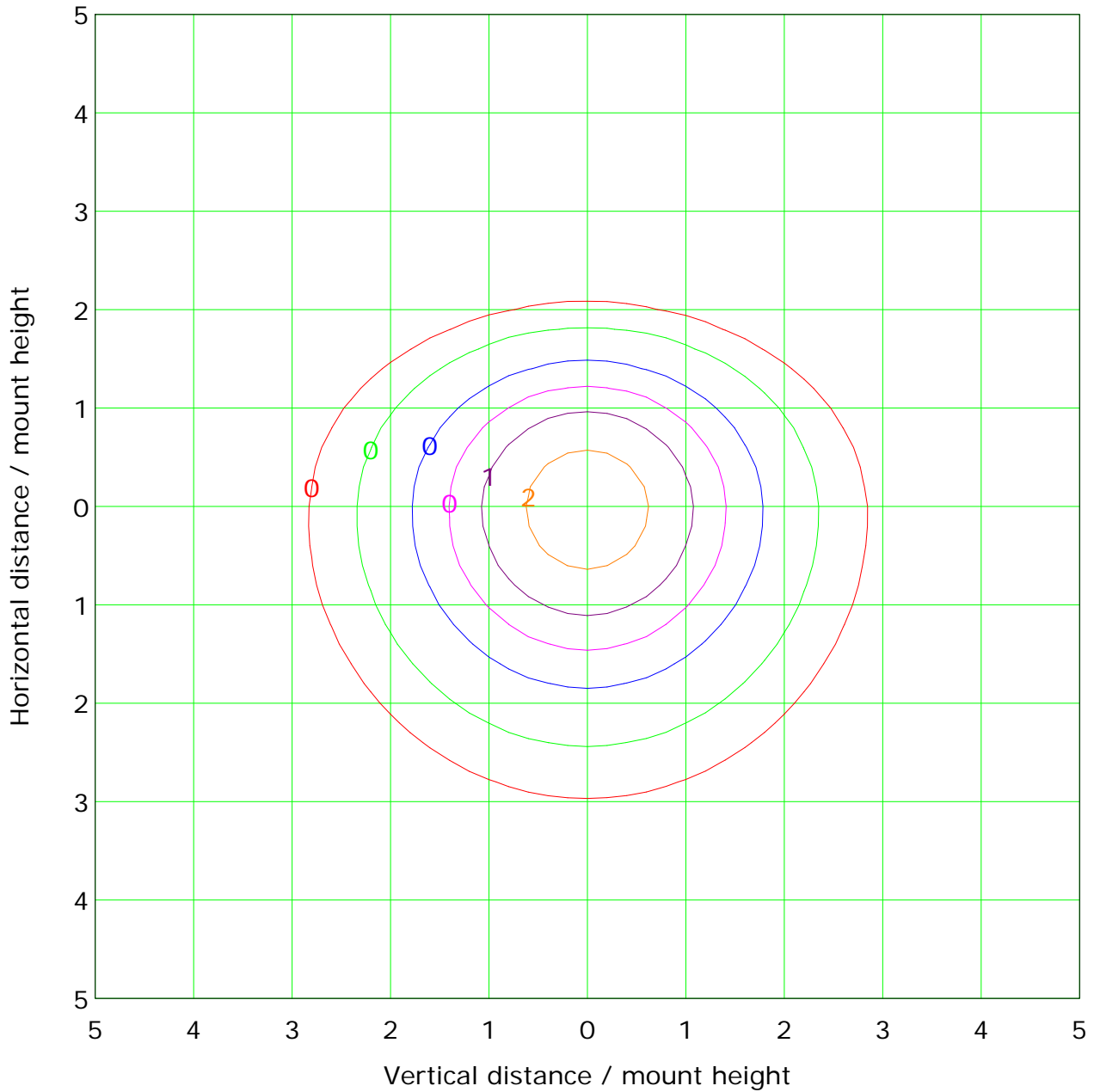
Imax (100%): 341 cd

- |           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 34 cd  | — ( 16%): | 55 cd  |
| — ( 25%): | 85 cd  | — ( 40%): | 136 cd |
| — ( 63%): | 215 cd | — (100%): | 341 cd |





## 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		

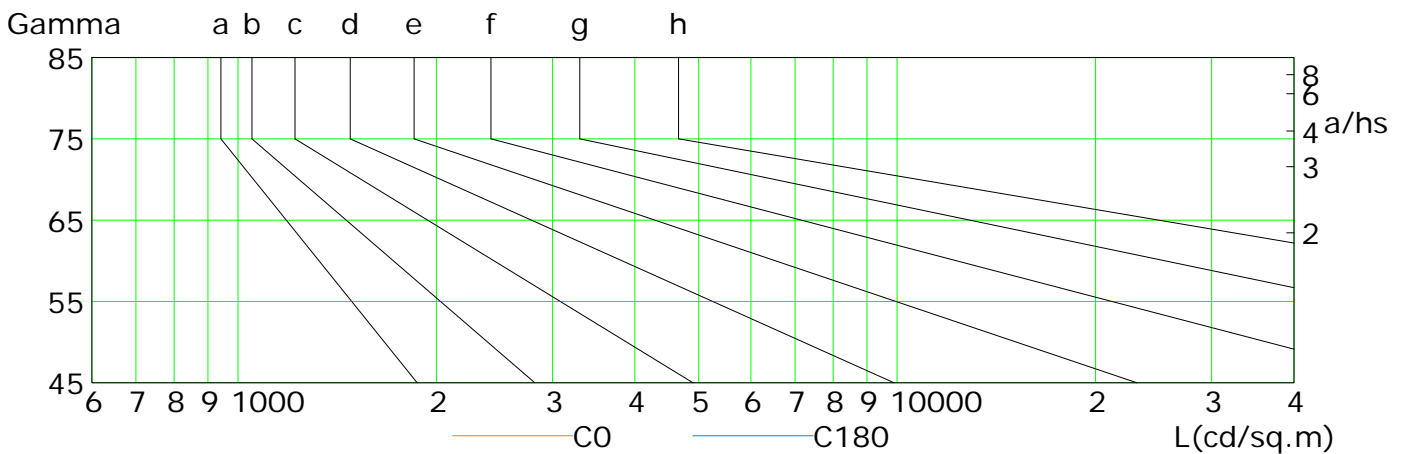
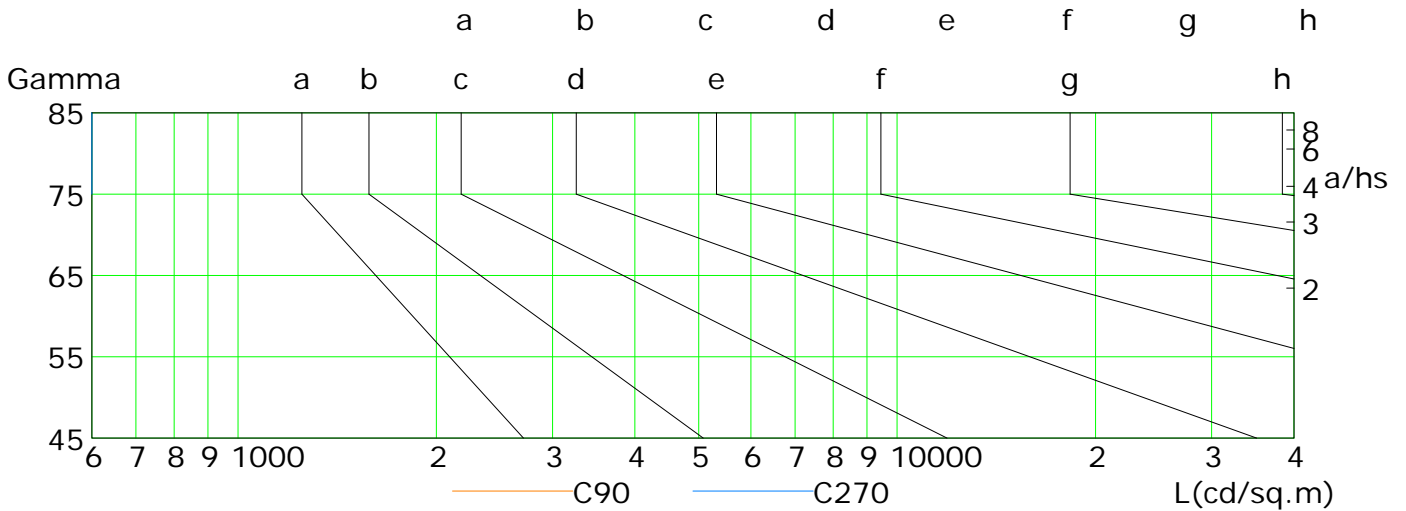
C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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)							
		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	221	197	173	147	121	94	68	43	18
C90	235	213	190	165	139	112	84	57	29
C180	222	199	174	148	123	96	70	45	20
C270	171	137	102	68	37	14	0	0	0

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

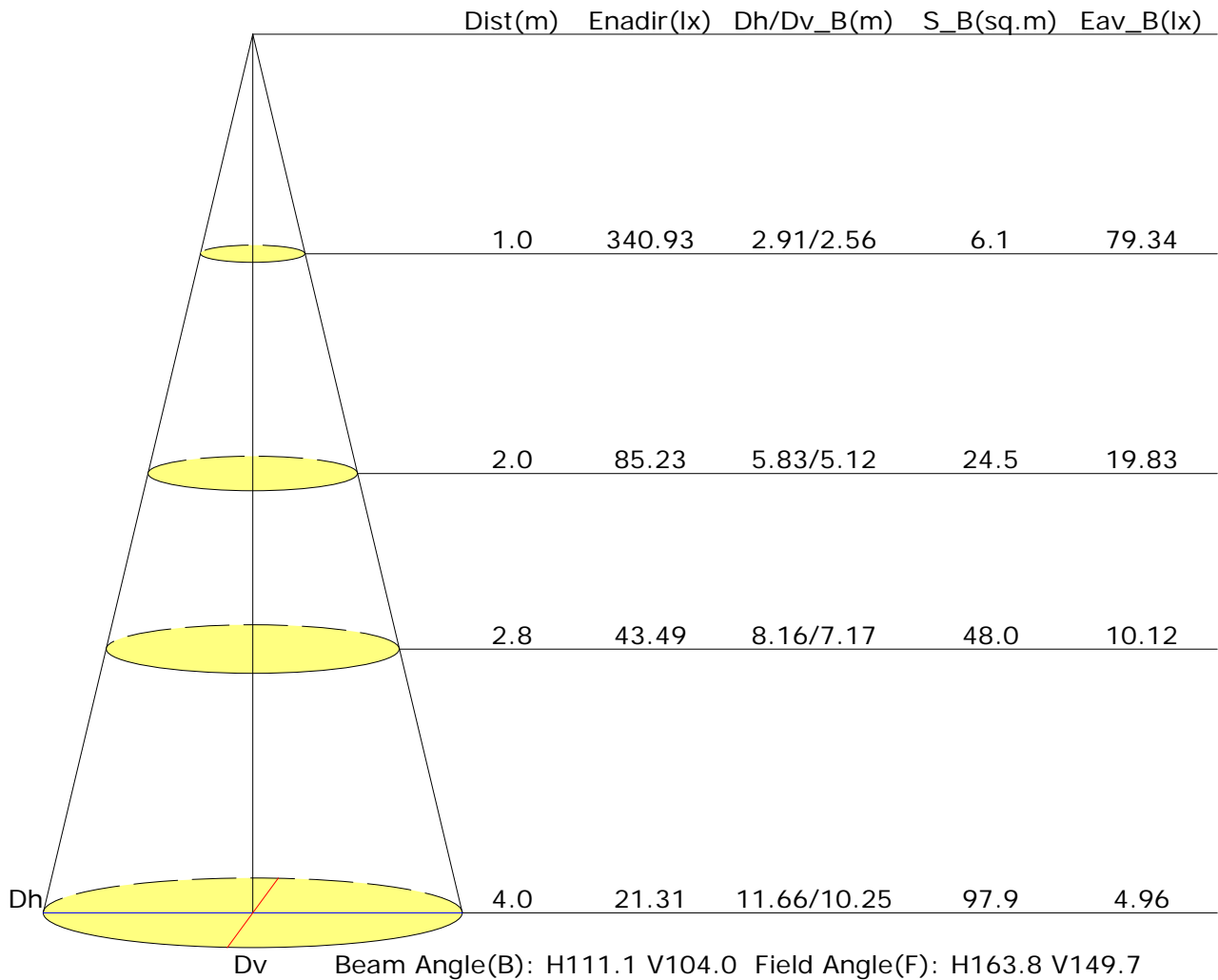
Distance: 7.970 m

Humidity:

Inspector:

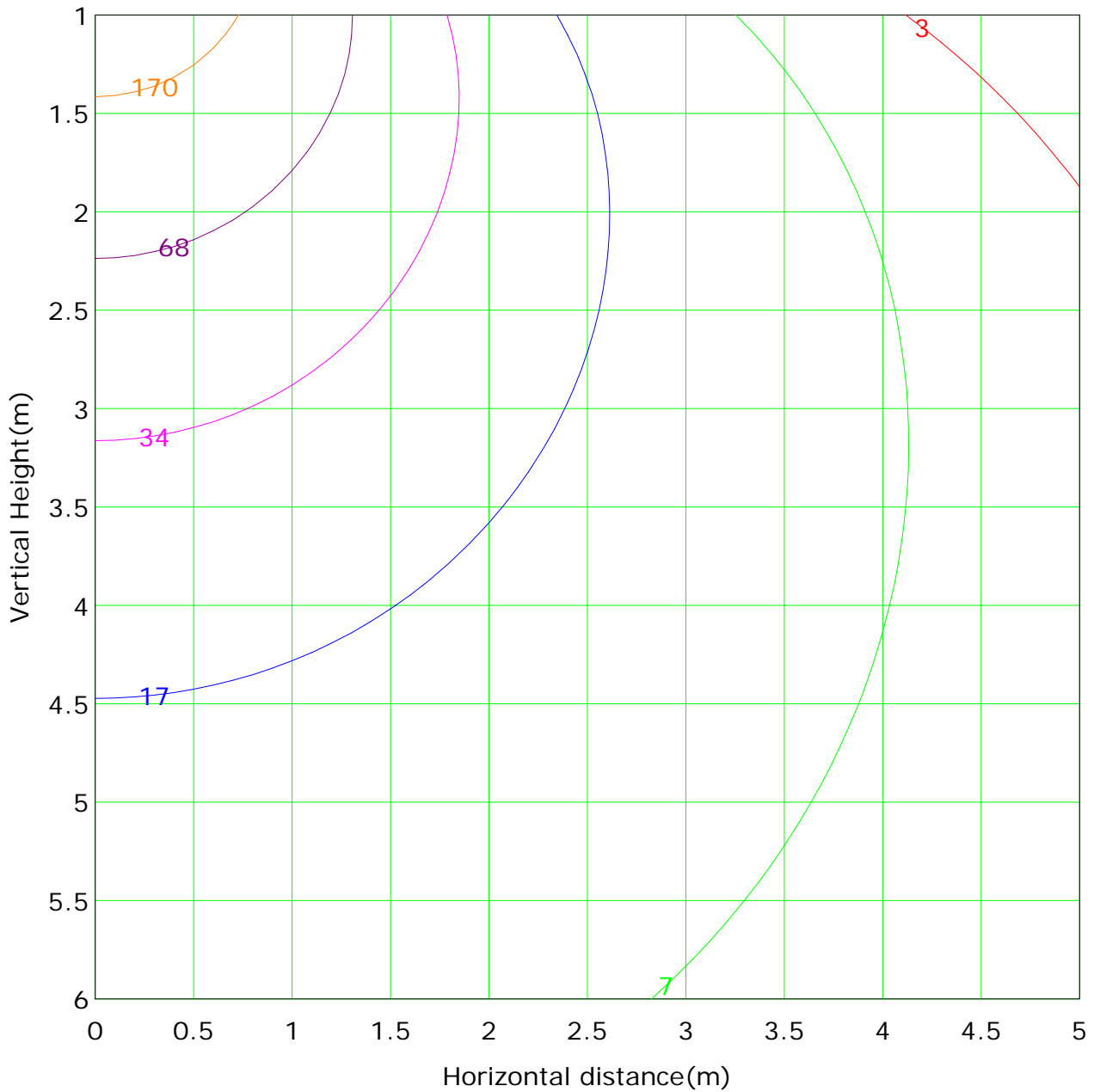


## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 340.9 lx
( 1%): 3.4 lx	( 2%): 6.8 lx	( 10%): 34.1 lx
( 5%): 17.0 lx	( 20%): 68.2 lx	( 50%): 170.5 lx
(100%): 340.9 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:



Report No.:

Test Time: 24/09/2018 10:22

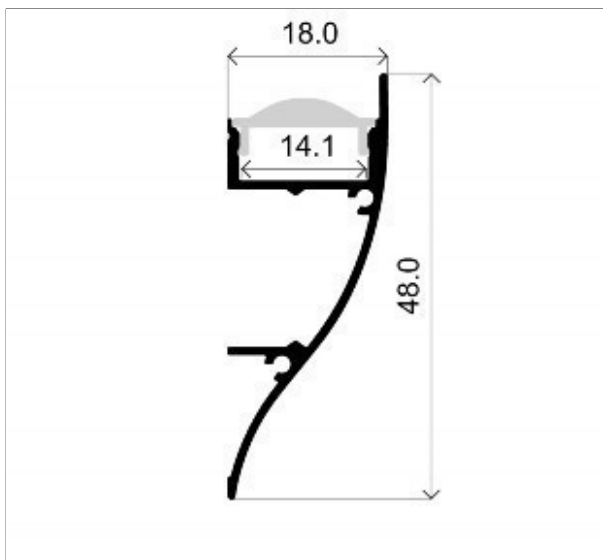
## Luminaire Property

Luminaire Manufacturer: Lighting Line  
 Luminaire Description: LLP-WL01-03 + LLD-03-XK2-L1  
 Lamp Description: Strip 14,4W/m 60led/m Number of Lamps: 1  
 Lumens per Lamp: 1579 lm Voltage: 24.0 V  
 Current: 0.587 A Power: 14.09 W  
 Power Factor: 1.000

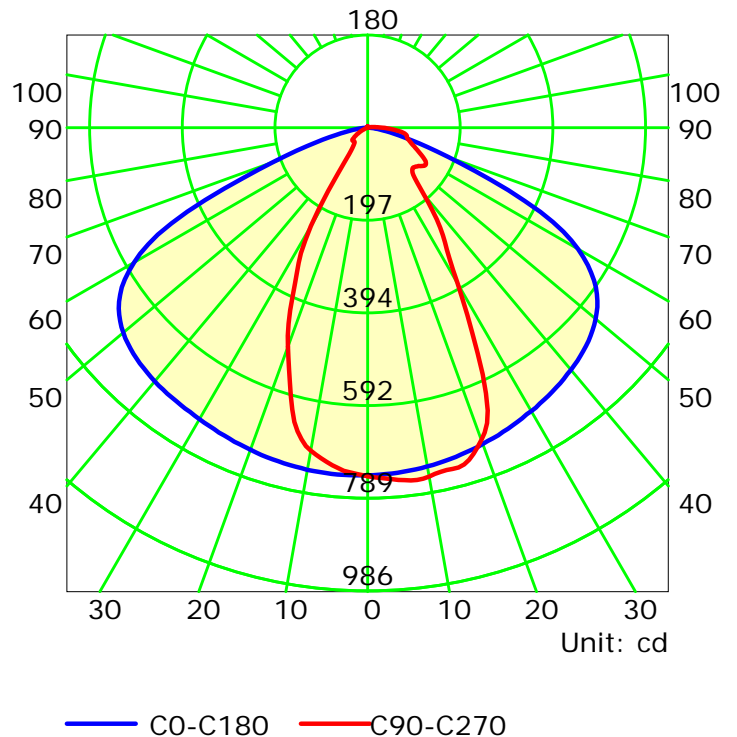
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1579.0 lm
Measurement Flux: 1272.9 lm	Efficiency: 80.62%
Downward Ratio: 79.96%	Upward Ratio: 0.66%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.3, 116.7, 110.4, 112.5	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 131.1, 54.7, 67.1, 67.2	
Luminaire Efficacy Rating (LER): 90.39	Central Intensity: 740.71 cd
Max. Intensity: 758.93 cd	Pos of Max. Intensity: H130 V10
S/MH(C0/C180): 1.45	S/MH(C90/C270): 0.91

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

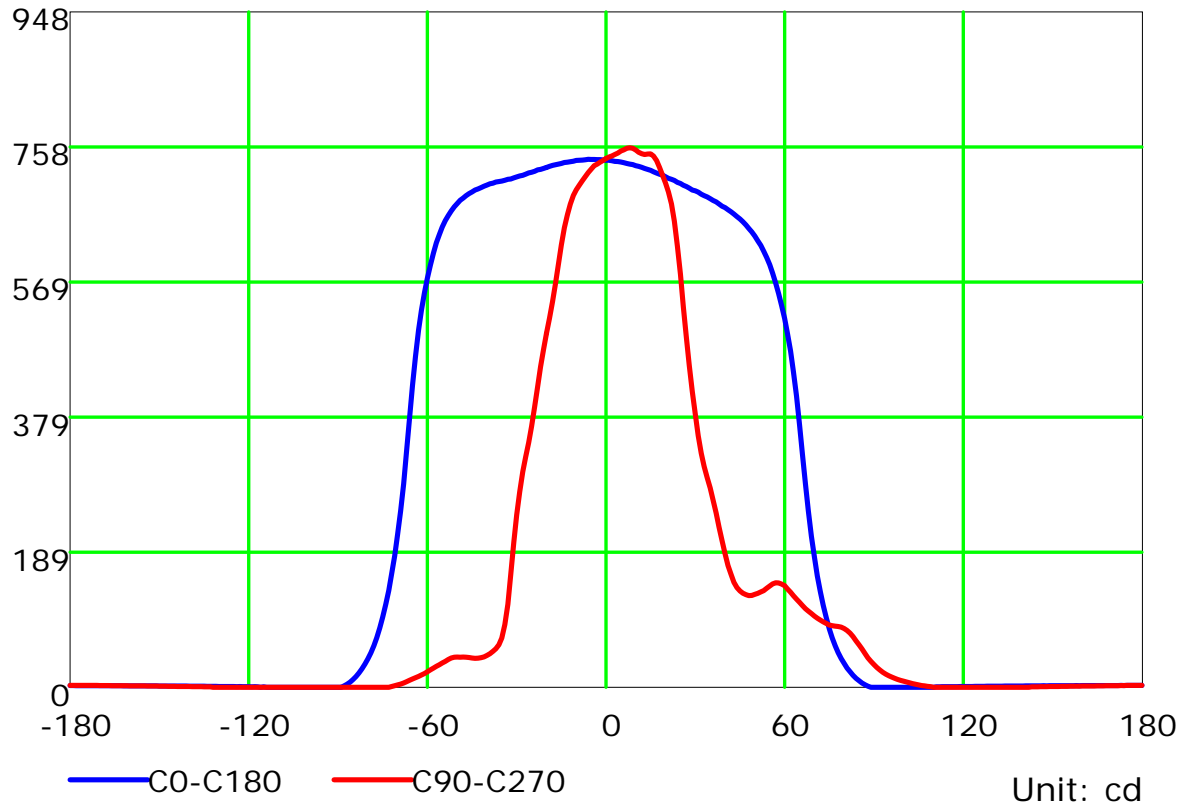
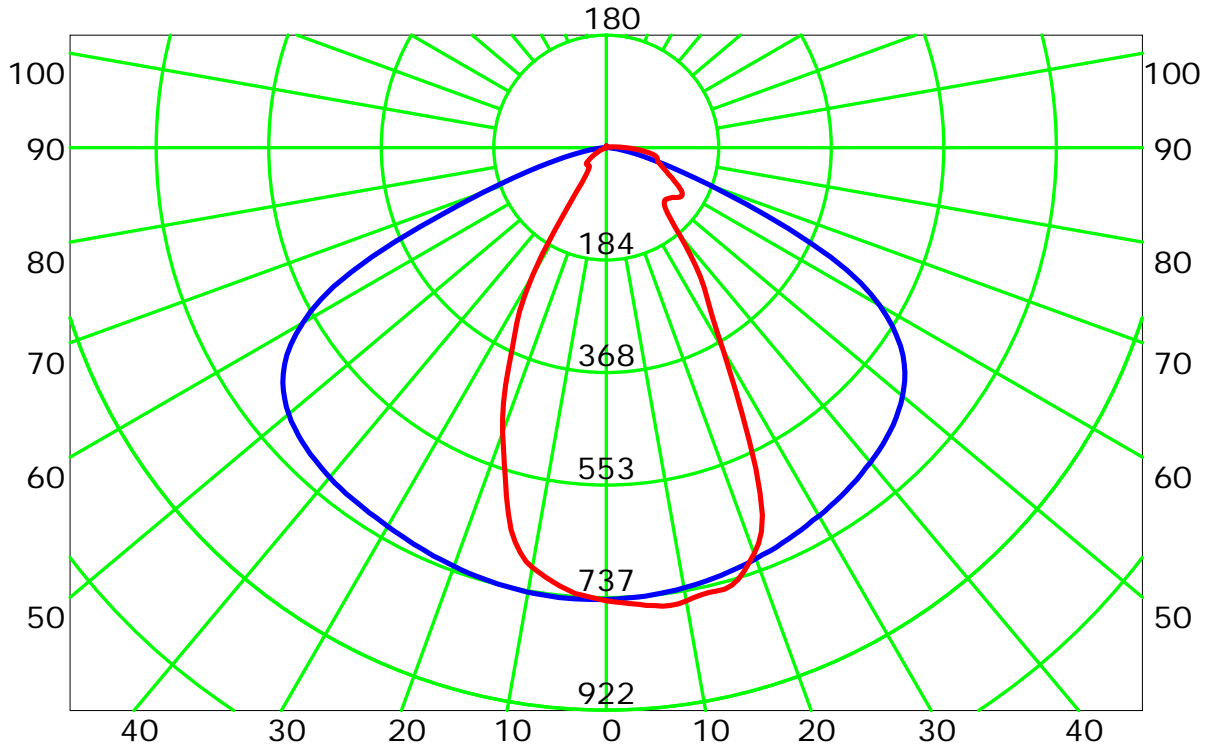
Distance: 7.970 m

Humidity:

Inspector:



## Luminous Intensity Distribution Curve

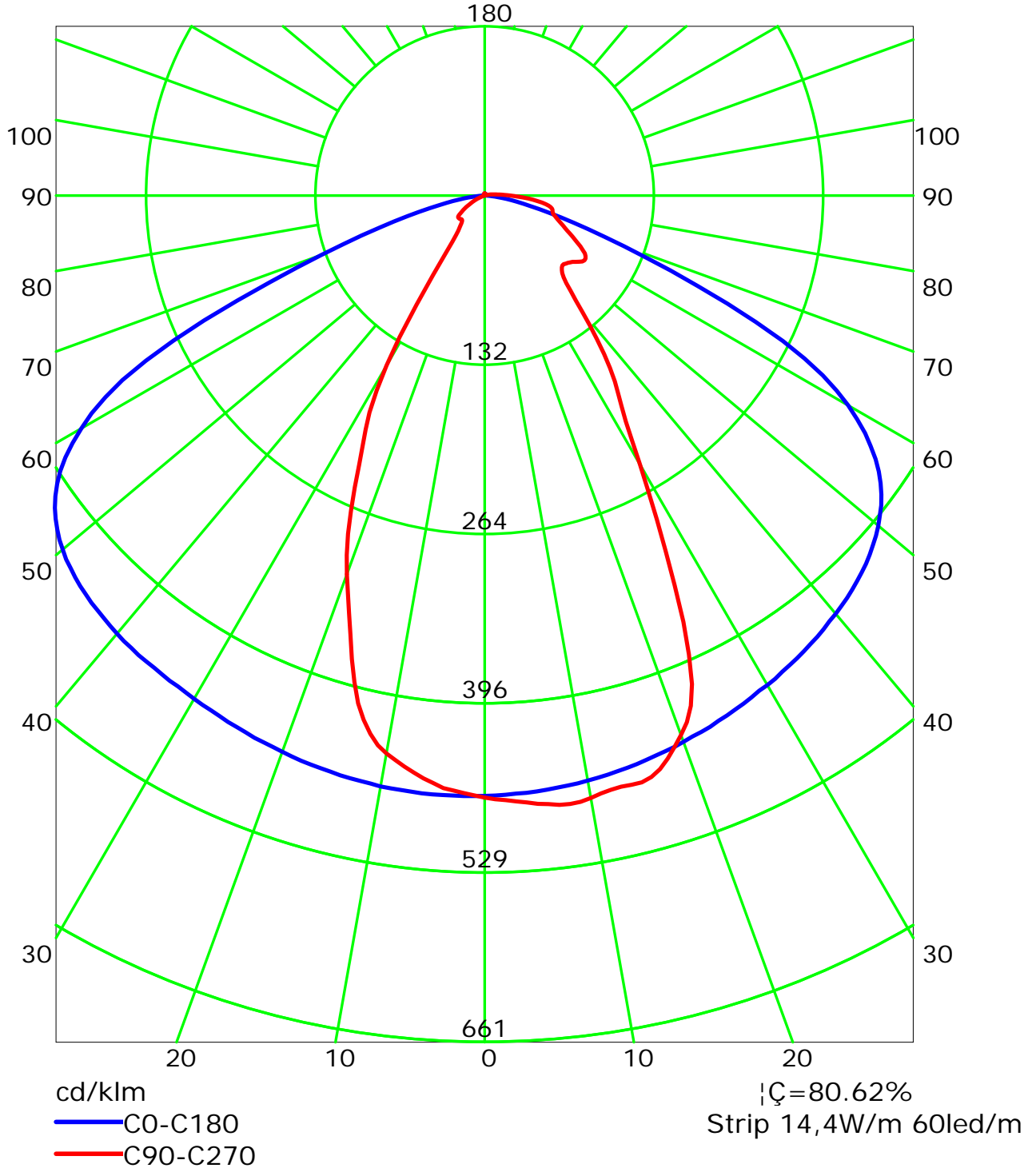


C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## Luminous Intensity Distribution Curve(cd/klm)

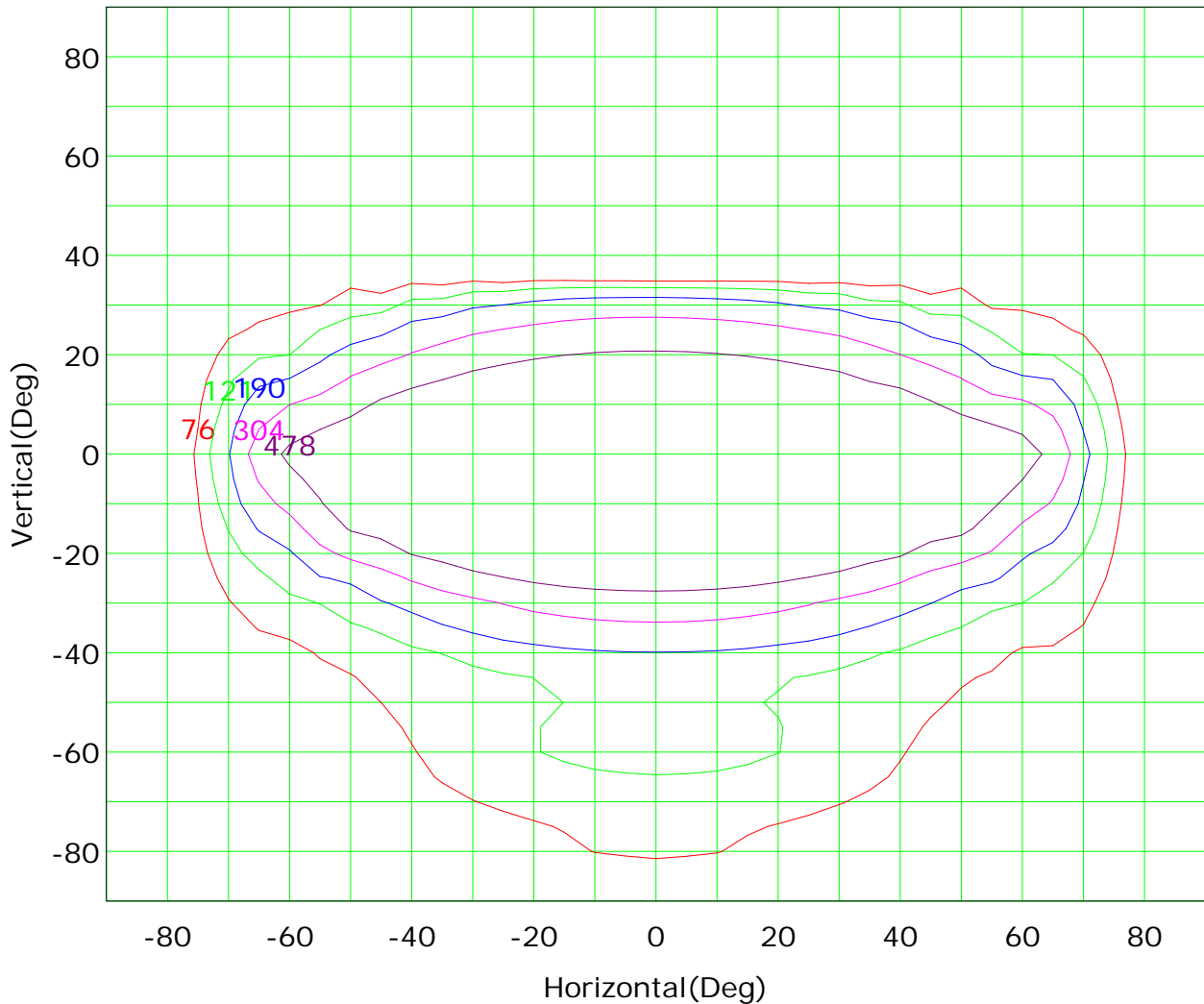


C Plane (°):0.0-360.0: 10.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



## Isocandela (rectangle)



Imax (100%): 759 cd

— ( 10%):	76 cd	— ( 16%):	121 cd
— ( 25%):	190 cd	— ( 40%):	304 cd
— ( 63%):	478 cd	— (100%):	759 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

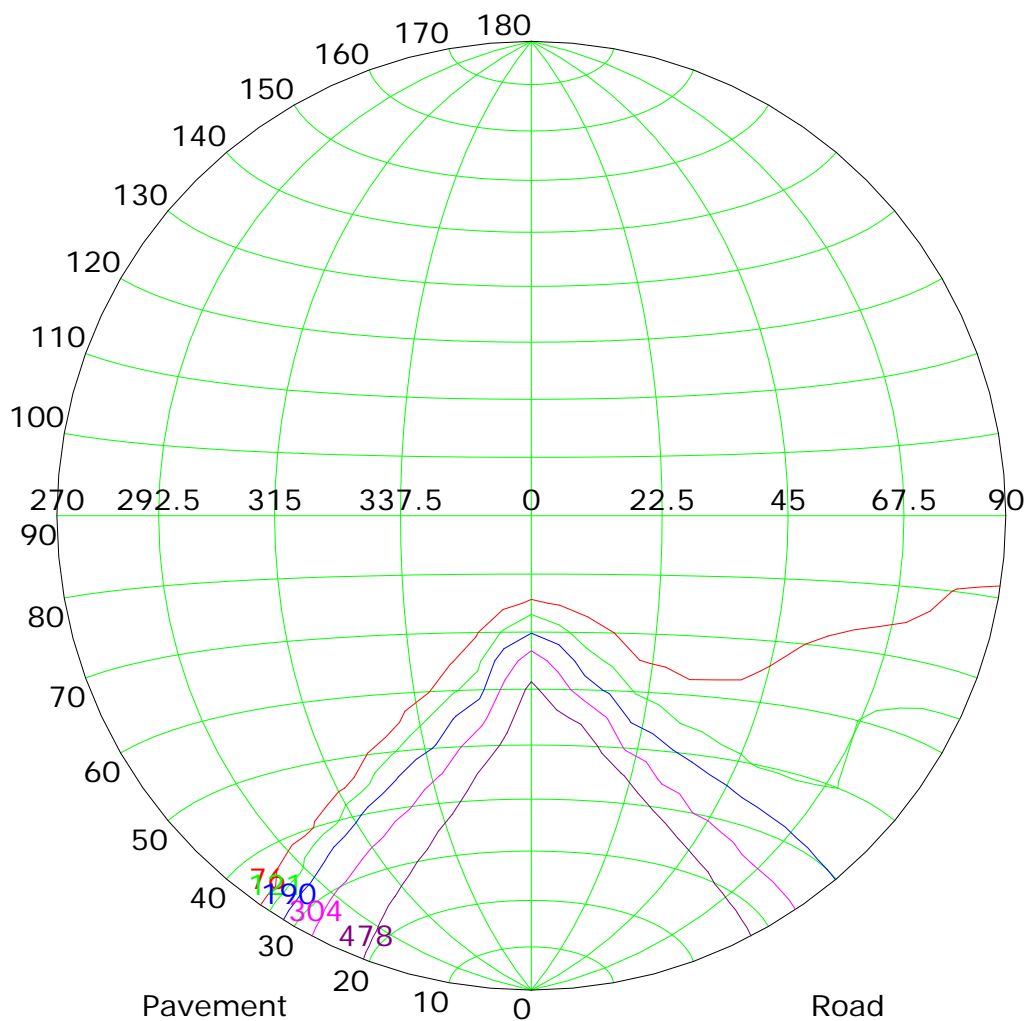
Humidity:

Inspector:





## Isocandela (sphere)



Imax (100%): 759 cd

- |           |        |           |        |
|-----------|--------|-----------|--------|
| — ( 10%): | 76 cd  | — ( 16%): | 121 cd |
| — ( 25%): | 190 cd | — ( 40%): | 304 cd |
| — ( 63%): | 478 cd | — (100%): | 759 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

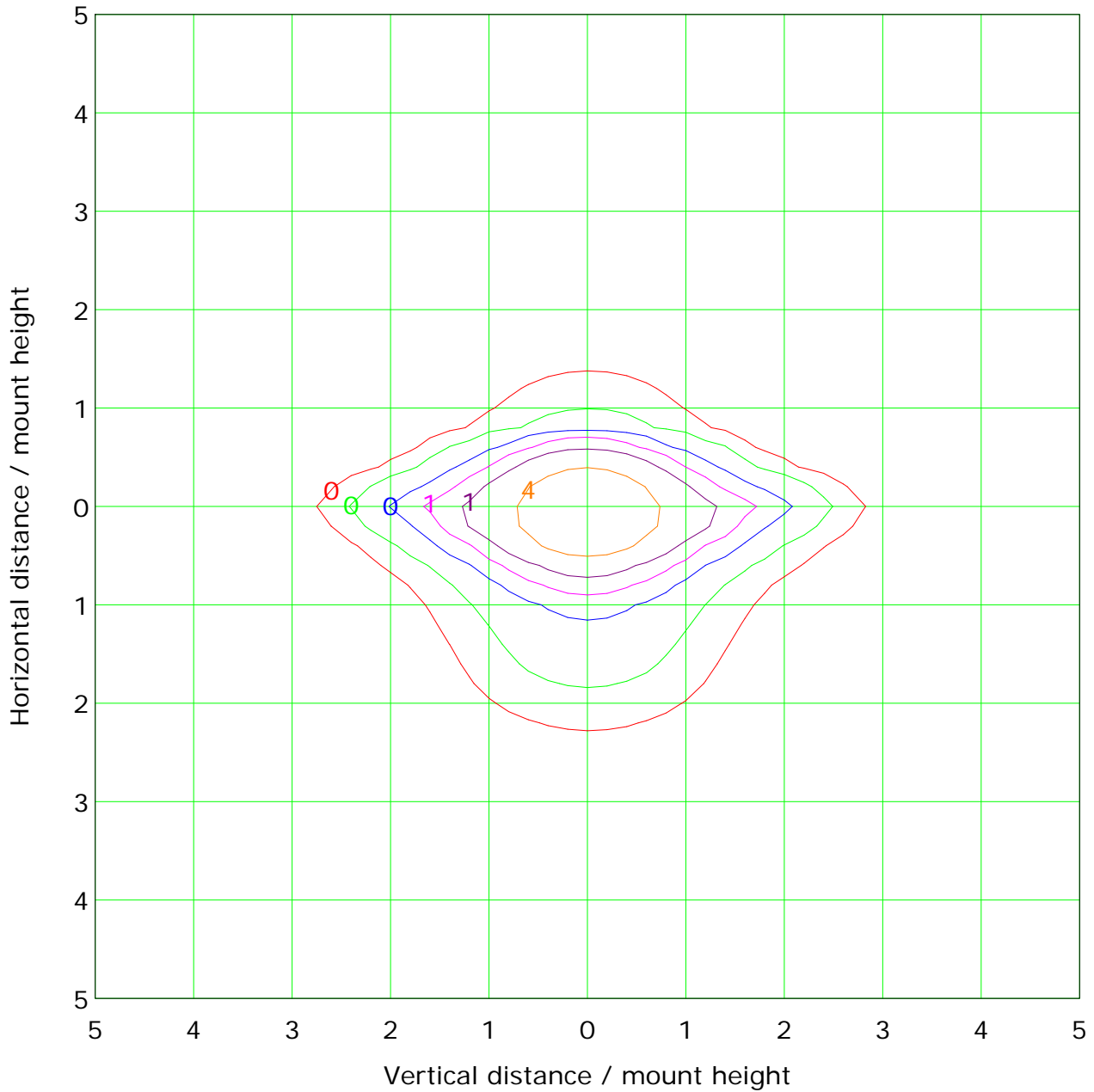
Distance: 7.970 m

Humidity:

Inspector:



## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 7.5 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%): 7.5 lx	

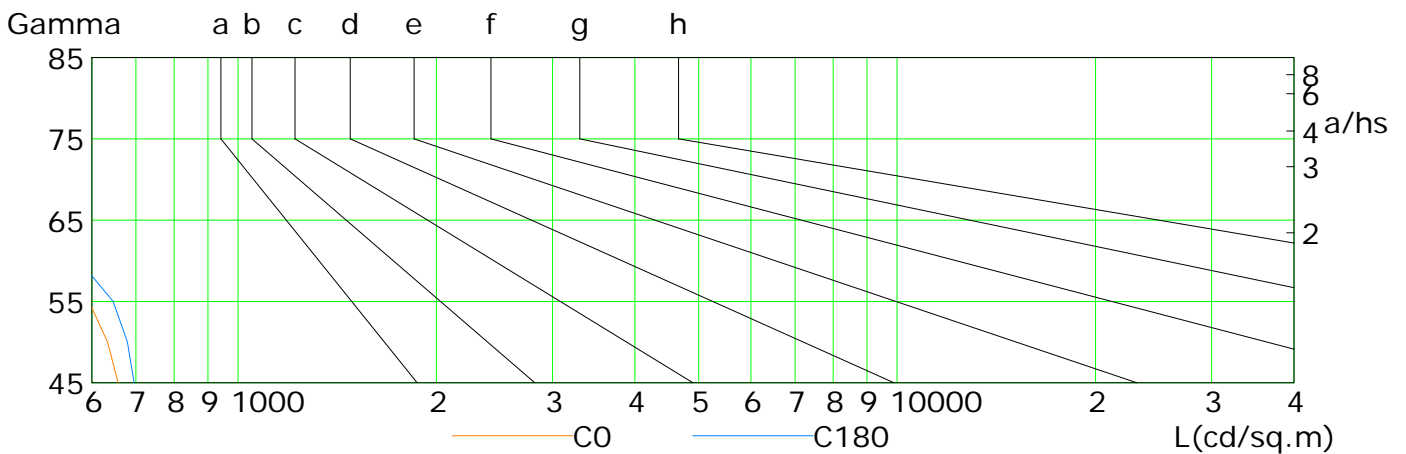
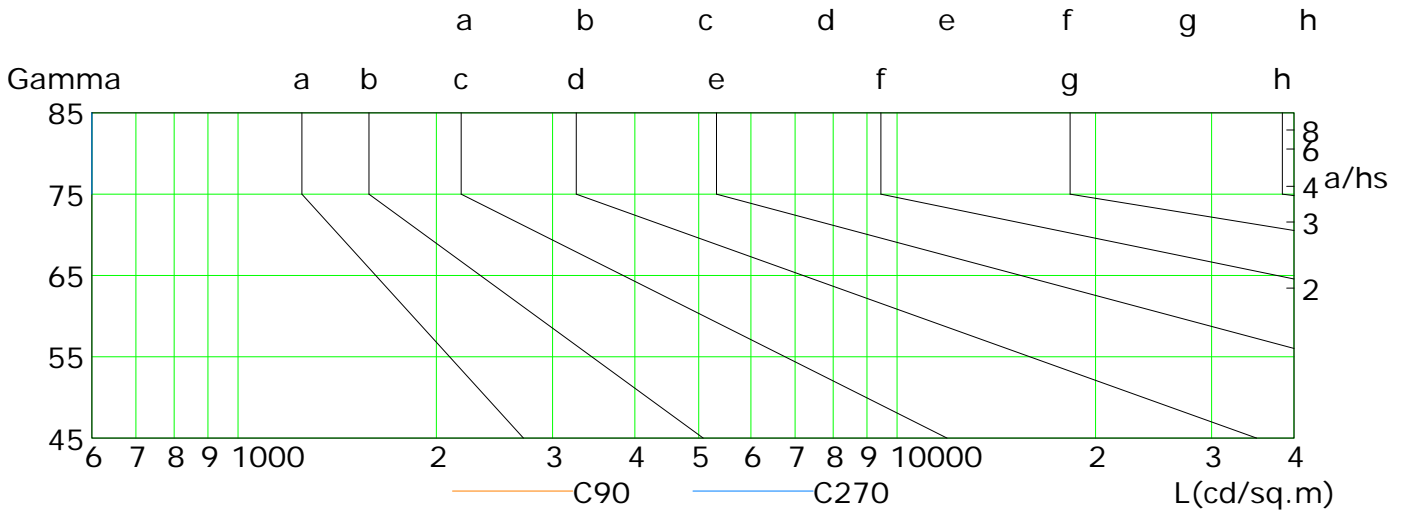
C Plane (°):0.0-360.0: 10.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	634	594	518	369	183	82	34	9
C90	135	131	142	143	120	100	88	83	60
C180	696	680	647	575	424	215	99	40	11
C270	41	43	34	22	12	4	0	0	0

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

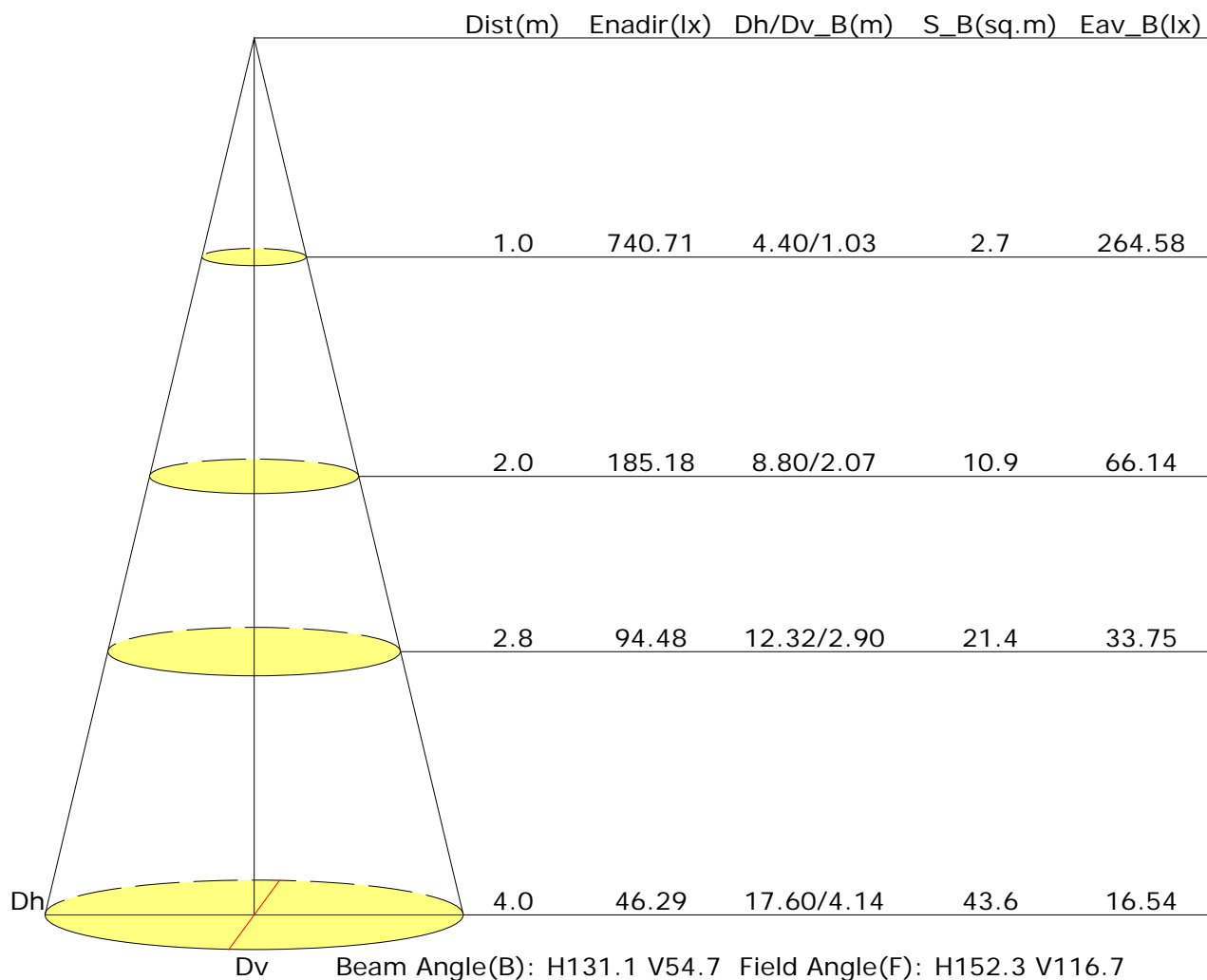
Distance: 7.970 m

Humidity:

Inspector:

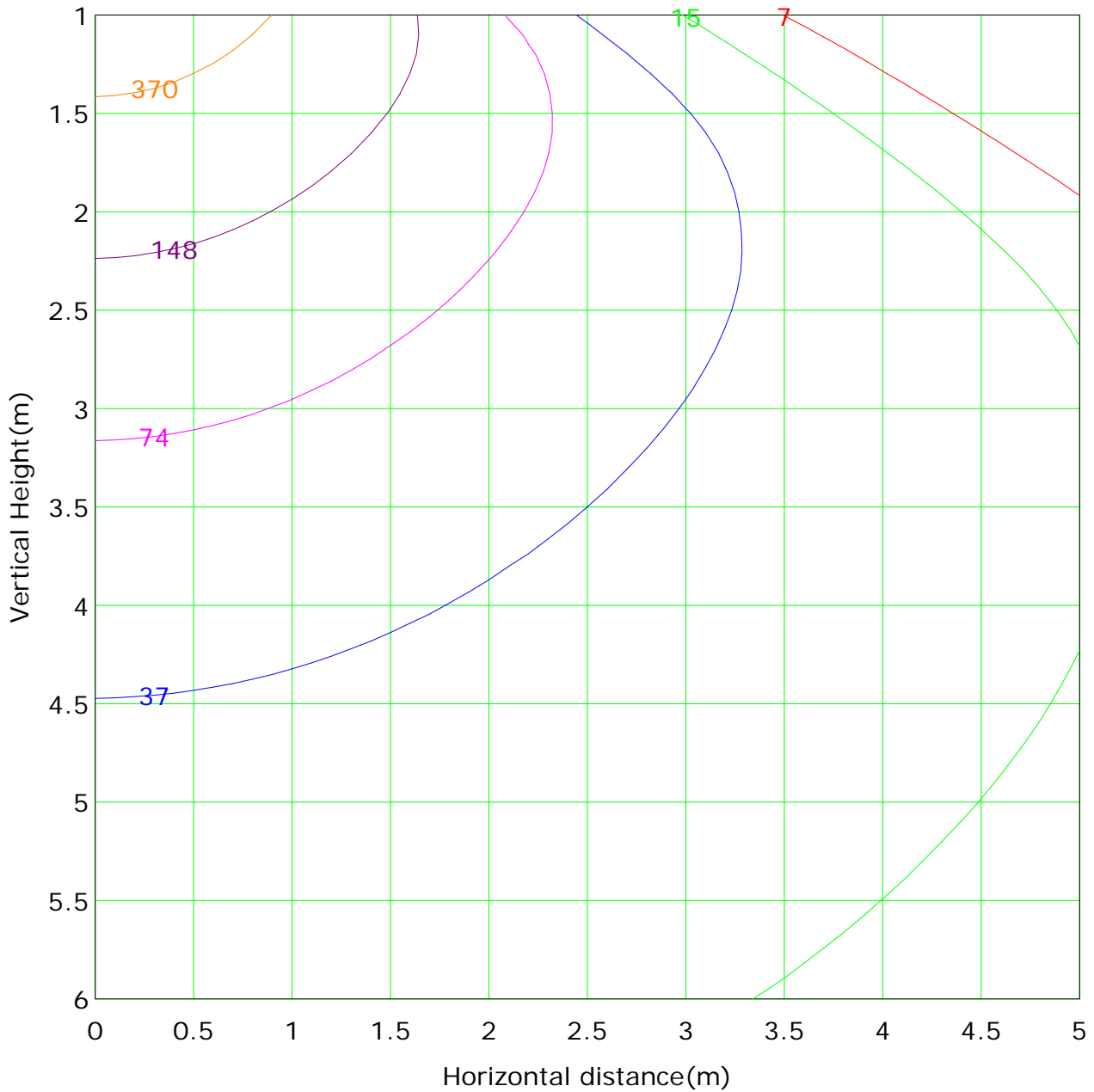


## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 6.0m	Max Lux: 740.7 lx
— ( 1%): 7.4 lx	— ( 2%): 14.8 lx	
— ( 5%): 37.0 lx	— ( 10%): 74.1 lx	
— ( 20%): 148.1 lx	— ( 50%): 370.4 lx	
— (100%): 740.7 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: