

Report No.: 56.03520 Lanky Recessed  
Downlight

Test Time: 2024-09-30 14:35

## Luminaire Property

Luminaire Category:

Luminaire Description: LANKY 导轨灯线条长款 Voltage: 228.3 V

Current: 0.087 A

Power: 12.10 W

Power Factor: 0.601

## Photometric Results

CIE Class: Direct

Measurement Flux: 918.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.6

Vertical Diffuse Angle(50%): V26.6

Luminaire Efficacy Rating (LER): 76

Max. Intensity: 3852.41 cd

Total Rated Lamp Lumens: 918.1 lm

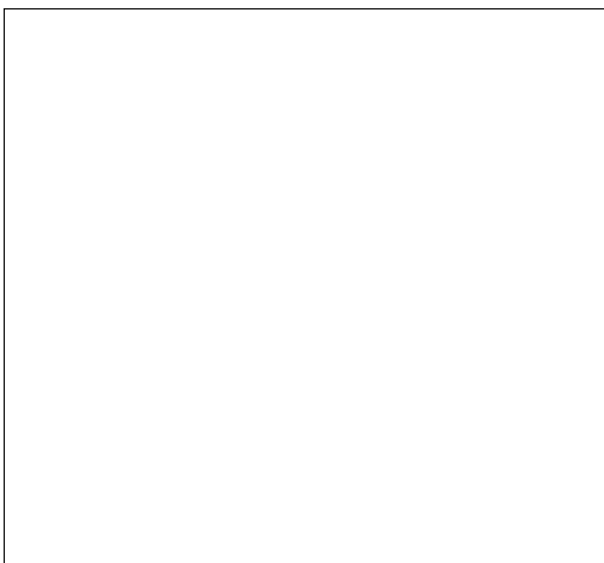
Efficiency: 100%

Upward Ratio: 0%

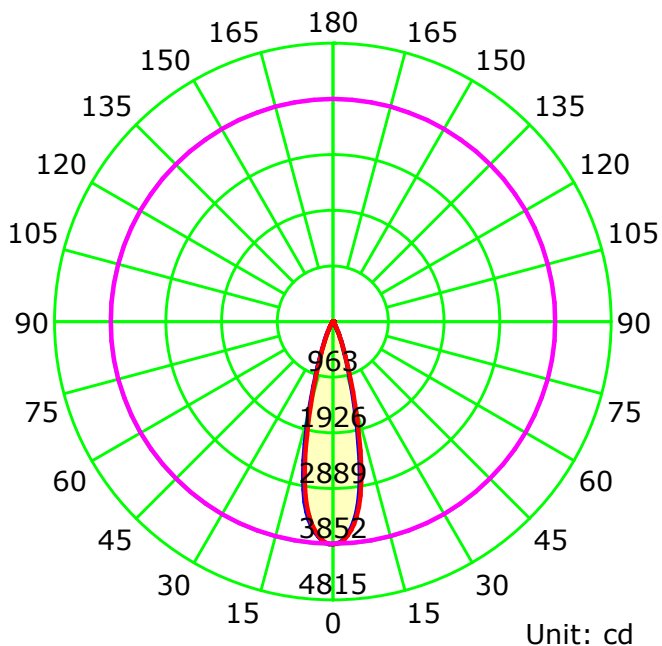
Central Intensity: 3851.29 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

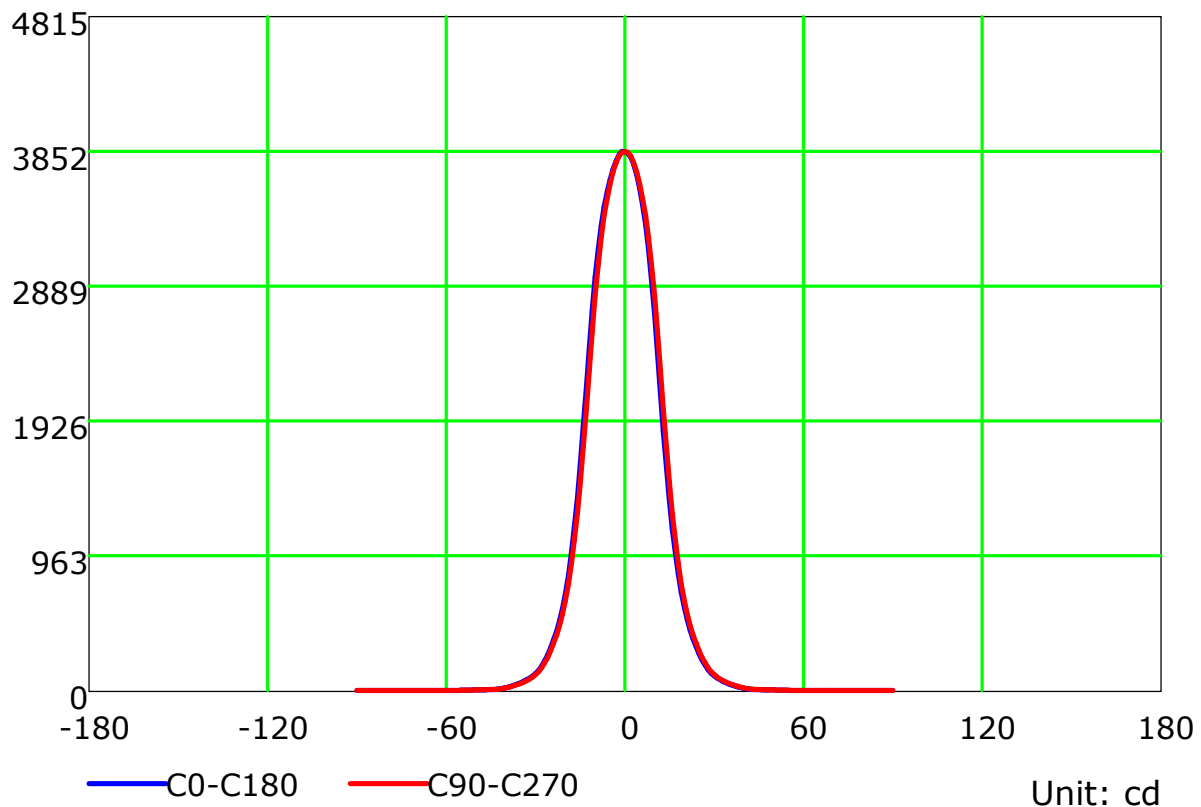
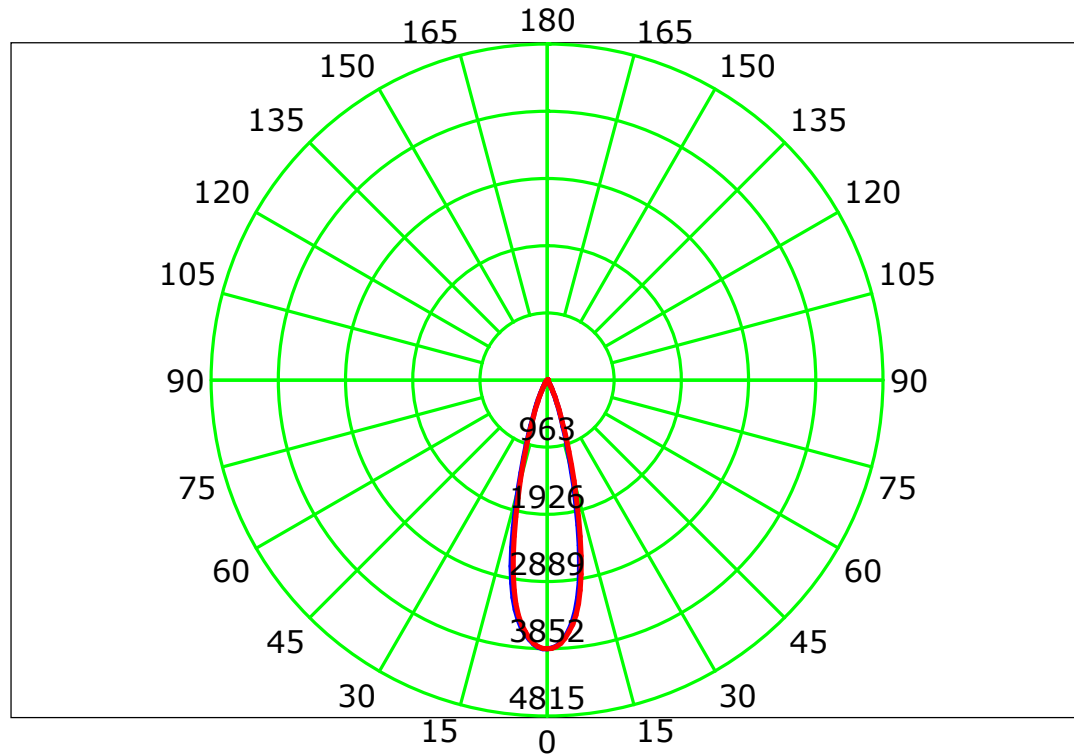
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

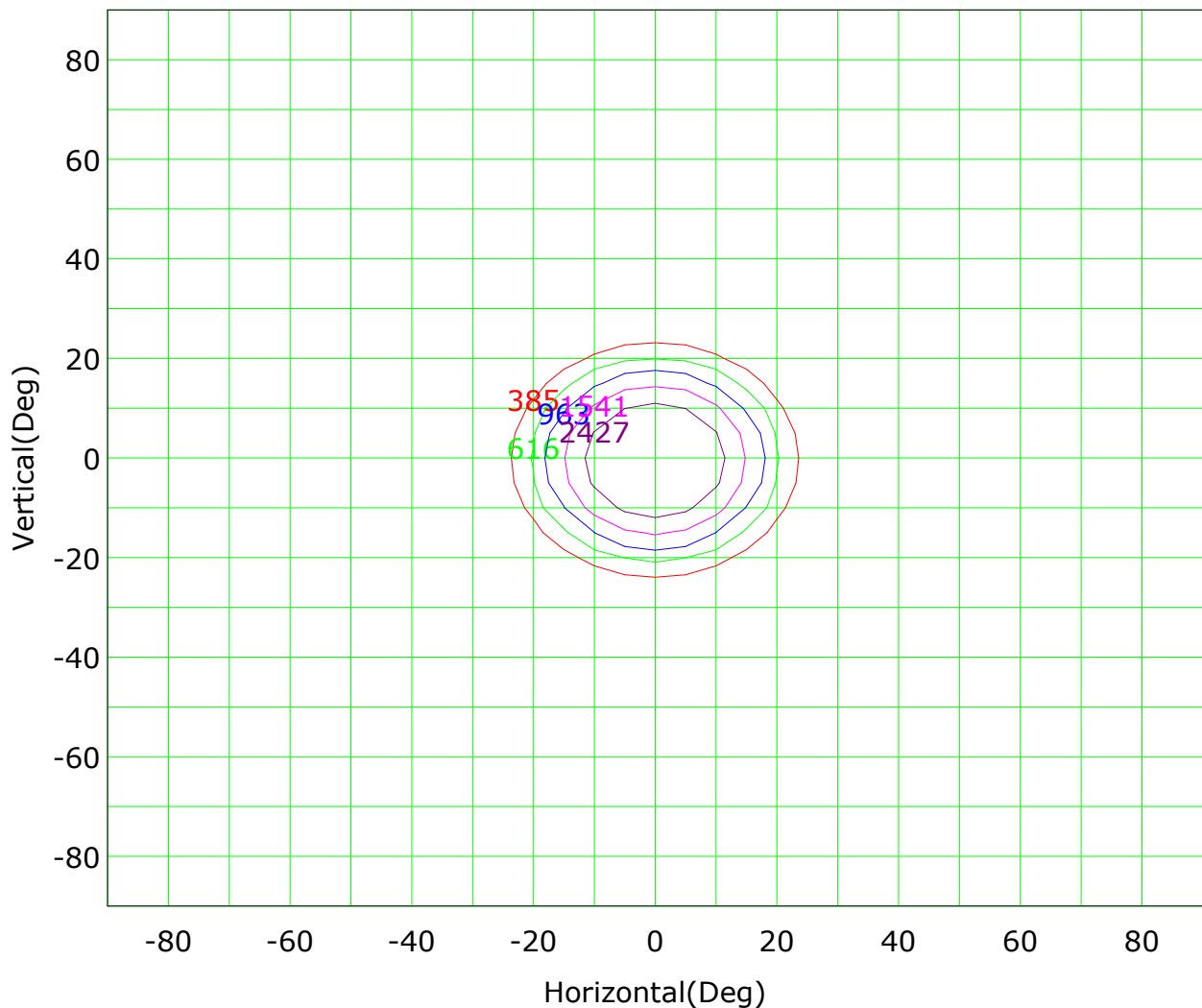
## Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Isocandela (rectangle)



Imax (100%): 3852 cd

( 10%): 385 cd	( 16%): 616 cd
( 25%): 963 cd	( 40%): 1541 cd
( 63%): 2427 cd	(100%): 3852 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

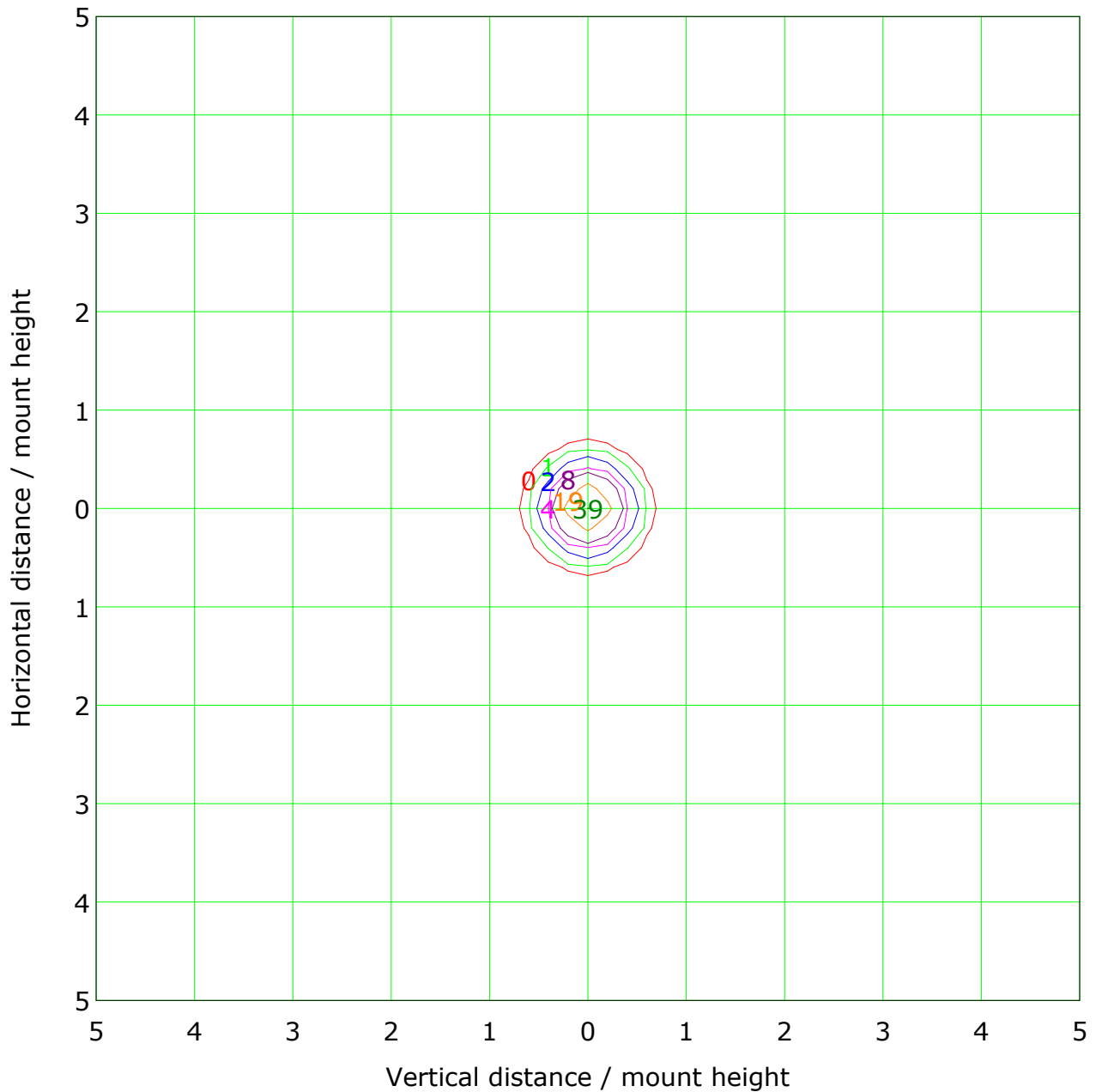
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

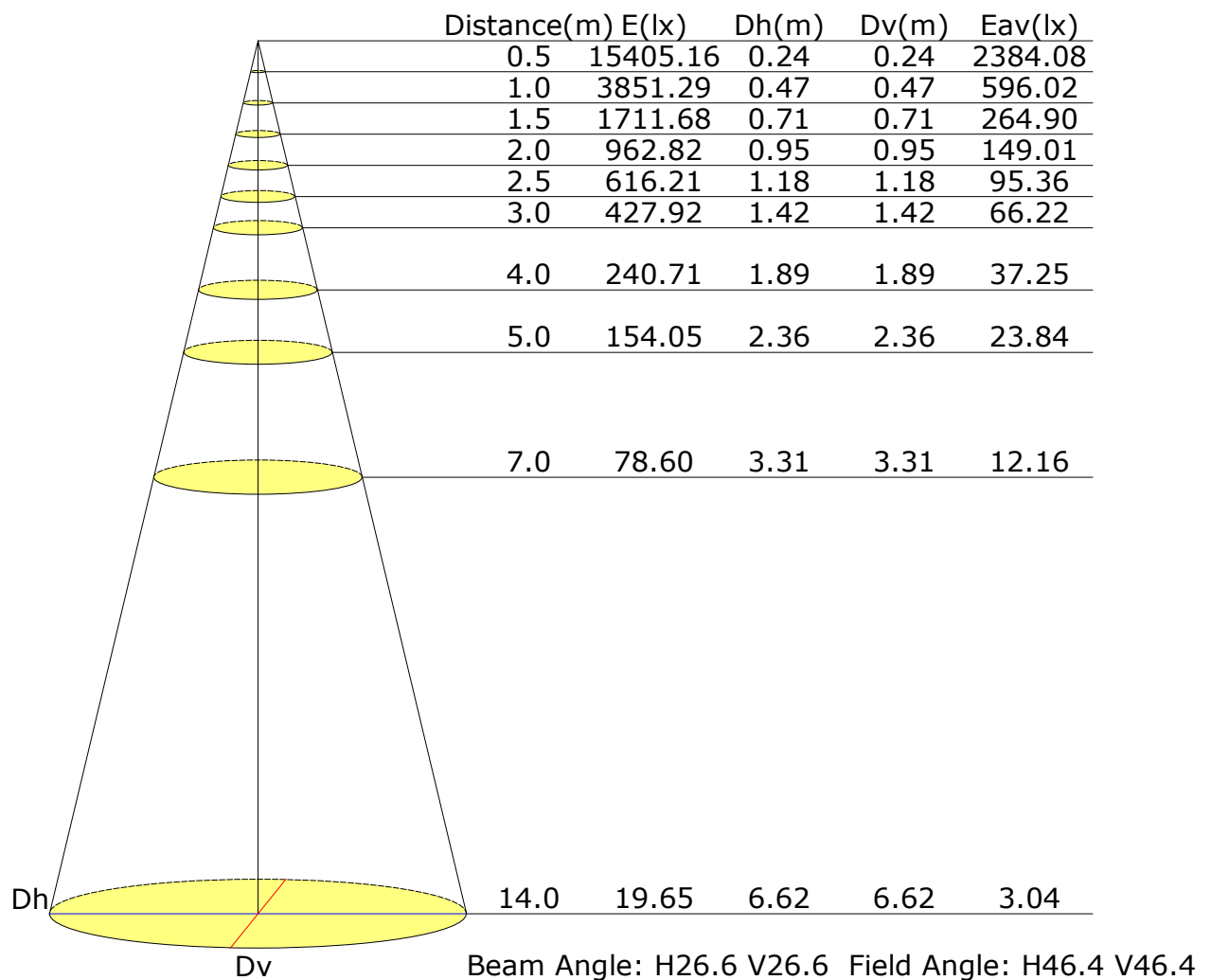


Mounting Height: 10m		Max Lux(100%): 39 lx	
— ( 1%):	0 lx	— ( 2%):	1 lx
— ( 5%):	2 lx	— ( 10%):	4 lx
— ( 20%):	8 lx	— ( 50%):	19 lx
— (100%):	39 lx		

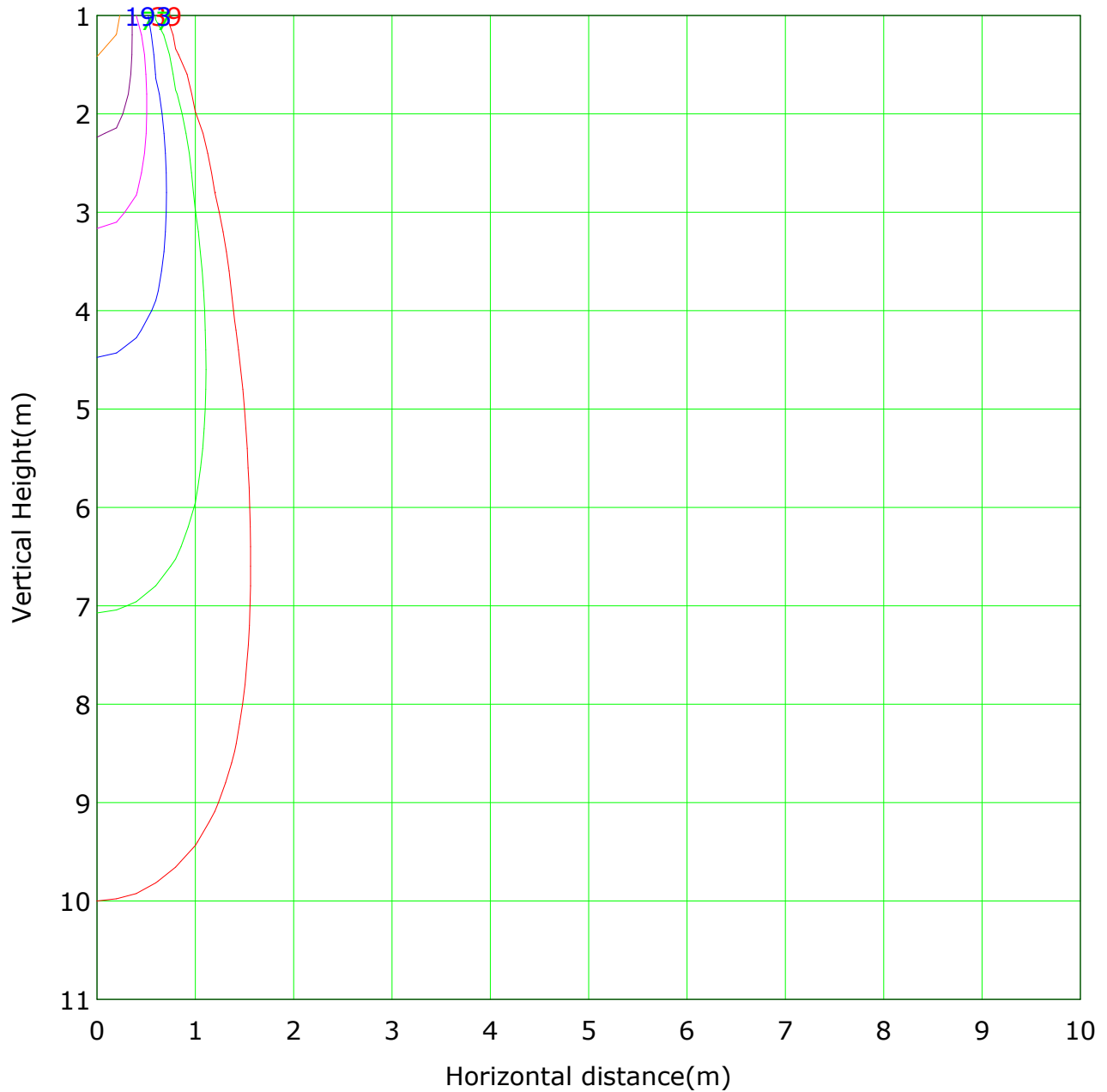
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

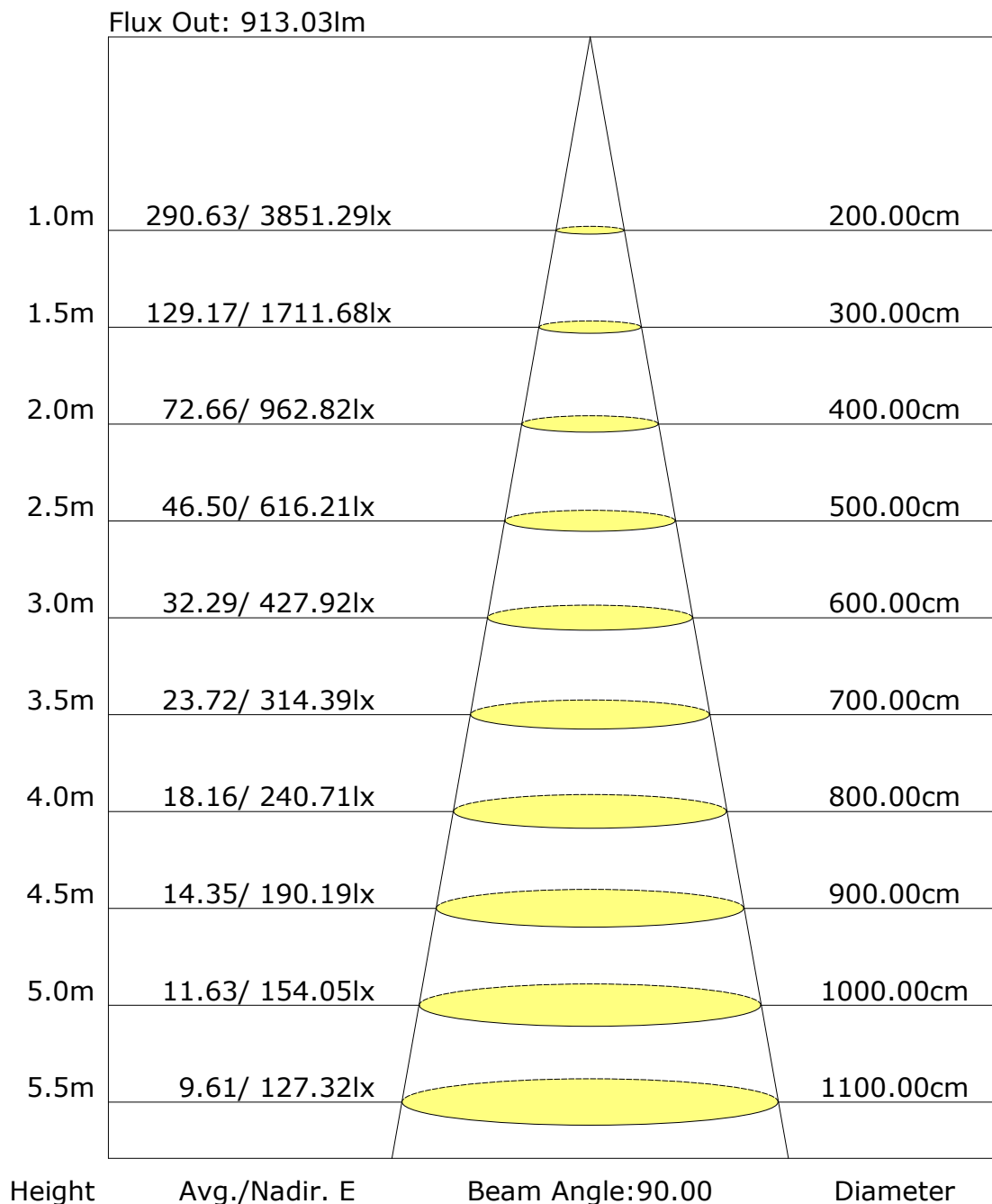


Lowest(m): 1m    Highest(m): 11    Max Lux: 3851	
( 1%):    39 lx	( 2%):    77 lx
( 5%):    193 lx	( 10%):    385 lx
( 20%):    770 lx	( 50%):    1926 lx
(100%):    3851 lx	

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## The average illuminance effective figure



C Plane (°): 0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°): 0.0-90.0: 1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3848.6	3.7	3.7	0.40	0.40
1.0-2.0	3833.8	11.0	14.7	1.20	1.60
2.0-3.0	3798.5	18.2	32.9	1.98	3.58
3.0-4.0	3740.7	25.0	57.9	2.73	6.31
4.0-5.0	3664.0	31.5	89.4	3.43	9.74
5.0-6.0	3570.9	37.5	127.0	4.09	13.83
6.0-7.0	3456.5	42.9	169.9	4.67	18.50
7.0-8.0	3314.6	47.4	217.3	5.17	23.67
8.0-9.0	3141.6	50.9	268.2	5.55	29.22
9.0-10.0	2934.6	53.1	321.3	5.79	35.00
10.0-11.0	2693.6	53.8	375.2	5.86	40.86
11.0-12.0	2428.0	53.1	428.3	5.78	46.65
12.0-13.0	2151.8	51.1	479.3	5.56	52.21
13.0-14.0	1877.2	48.1	527.4	5.23	57.44
14.0-15.0	1617.1	44.4	571.8	4.84	62.28
15.0-16.0	1380.5	40.5	612.2	4.41	66.69
16.0-17.0	1171.3	36.5	648.7	3.97	70.66
17.0-18.0	990.8	32.7	681.4	3.56	74.22
18.0-19.0	835.8	29.1	710.5	3.17	77.38
19.0-20.0	702.8	25.7	736.2	2.80	80.19
20.0-21.0	593.6	22.8	759.0	2.48	82.67
21.0-22.0	505.6	20.3	779.3	2.21	84.88
22.0-23.0	431.2	18.1	797.4	1.97	86.85
23.0-24.0	367.0	16.0	813.5	1.75	88.60
24.0-25.0	310.9	14.1	827.6	1.54	90.14
25.0-26.0	260.8	12.3	839.9	1.34	91.48
26.0-27.0	217.2	10.6	850.5	1.16	92.64
27.0-28.0	179.8	9.1	859.7	0.99	93.63
28.0-29.0	148.9	7.8	867.4	0.85	94.48
29.0-30.0	124.9	6.7	874.2	0.73	95.22
30.0-31.0	105.8	5.9	880.1	0.64	95.86
31.0-32.0	90.4	5.2	885.3	0.56	96.42
32.0-33.0	78.0	4.6	889.9	0.50	96.92
33.0-34.0	66.9	4.1	893.9	0.44	97.36
34.0-35.0	57.0	3.5	897.4	0.39	97.75
35.0-36.0	48.2	3.1	900.5	0.33	98.08

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	40.3	2.6	903.2	0.29	98.37
37.0-38.0	33.4	2.2	905.4	0.24	98.61
38.0-39.0	27.1	1.9	907.2	0.20	98.82
39.0-40.0	21.6	1.5	908.7	0.16	98.98
40.0-41.0	16.9	1.2	909.9	0.13	99.11
41.0-42.0	13.3	1.0	910.9	0.11	99.22
42.0-43.0	10.8	0.8	911.7	0.09	99.30
43.0-44.0	9.2	0.7	912.4	0.08	99.38
44.0-45.0	8.1	0.6	913.0	0.07	99.45
45.0-46.0	7.4	0.6	913.6	0.06	99.51
46.0-47.0	6.7	0.5	914.1	0.06	99.57
47.0-48.0	6.2	0.5	914.6	0.05	99.62
48.0-49.0	5.8	0.5	915.1	0.05	99.67
49.0-50.0	5.4	0.4	915.6	0.05	99.72
50.0-51.0	4.8	0.4	916.0	0.04	99.77
51.0-52.0	4.3	0.4	916.3	0.04	99.81
52.0-53.0	3.7	0.3	916.7	0.03	99.84
53.0-54.0	3.1	0.3	916.9	0.03	99.87
54.0-55.0	2.6	0.2	917.2	0.03	99.90
55.0-56.0	2.1	0.2	917.3	0.02	99.92
56.0-57.0	1.6	0.2	917.5	0.02	99.93
57.0-58.0	1.3	0.1	917.6	0.01	99.95
58.0-59.0	1.0	0.1	917.7	0.01	99.96
59.0-60.0	0.8	0.1	917.8	0.01	99.97
60.0-61.0	0.7	0.1	917.9	0.01	99.97
61.0-62.0	0.6	0.1	917.9	0.01	99.98
62.0-63.0	0.4	0.0	918.0	0.00	99.98
63.0-64.0	0.4	0.0	918.0	0.00	99.99
64.0-65.0	0.3	0.0	918.0	0.00	99.99
65.0-66.0	0.2	0.0	918.0	0.00	99.99
66.0-67.0	0.2	0.0	918.1	0.00	99.99
67.0-68.0	0.2	0.0	918.1	0.00	100.00
68.0-69.0	0.2	0.0	918.1	0.00	100.00
69.0-70.0	0.1	0.0	918.1	0.00	100.00
70.0-71.0	0.1	0.0	918.1	0.00	100.00
71.0-72.0	0.0	0.0	918.1	0.00	100.00

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	3851.3	3851.3								
G1.0	3839.3	3852.4								
G2.0	3814.4	3829.1								
G3.0	3764.3	3786.4								
G4.0	3687.3	3725.0								
G5.0	3591.3	3652.2								
G6.0	3475.0	3565.1								
G7.0	3329.5	3456.5								
G8.0	3152.1	3320.4								
G9.0	2938.7	3155.1								
G10.0	2689.3	2955.6								
G11.0	2410.8	2718.6								
G12.0	2128.4	2454.1								
G13.0	1852.2	2172.4								
G14.0	1592.6	1891.5								
G15.0	1359.2	1625.2								
G16.0	1156.9	1380.8								
G17.0	980.6	1167.0								
G18.0	831.8	983.9								
G19.0	703.5	824.0								
G20.0	593.5	690.0								
G21.0	506.3	584.6								
G22.0	432.3	499.4								
G23.0	368.7	424.3								
G24.0	312.6	362.5								
G25.0	262.6	305.9								
G26.0	218.8	256.1								
G27.0	181.3	212.7								
G28.0	150.0	175.3								
G29.0	125.1	145.4								
G30.0	106.3	122.7								
G31.0	90.9	103.3								
G32.0	77.8	89.8								
G33.0	66.2	78.2								
G34.0	56.6	66.8								
G35.0	47.7	57.1								
G36.0	40.0	48.2								

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	33.0	40.2								
G38.0	27.1	33.2								
G39.0	21.5	26.8								
G40.0	16.9	21.1								
G41.0	13.2	16.5								
G42.0	10.6	13.0								
G43.0	8.9	10.7								
G44.0	8.1	9.1								
G45.0	7.3	8.1								
G46.0	6.7	7.3								
G47.0	6.2	6.5								
G48.0	6.0	6.1								
G49.0	5.6	5.7								
G50.0	5.0	5.2								
G51.0	4.2	4.7								
G52.0	3.7	4.3								
G53.0	3.0	3.7								
G54.0	2.6	3.1								
G55.0	2.1	2.6								
G56.0	1.6	2.0								
G57.0	1.4	1.6								
G58.0	1.0	1.2								
G59.0	1.0	0.9								
G60.0	0.9	0.6								
G61.0	0.6	0.6								
G62.0	0.6	0.4								
G63.0	0.4	0.4								
G64.0	0.4	0.4								
G65.0	0.4	0.1								
G66.0	0.1	0.1								
G67.0	0.4	0.1								
G68.0	0.3	0.1								
G69.0	0.1	0.1								
G70.0	0.3	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector: