

Report No.: 62.02515 Lanky Low Voltage    Test Time: 2024-09-15 11:26  
Track Light

## Luminaire Property

Luminaire Category:

Luminaire Description: LAINKY 导轨灯 25 - 50Voltage: 223.1 V

Current: 0.068 A

Power: 8.90 W

Power Factor: 0.575

## Photometric Results

CIE Class: Direct

Measurement Flux: 404 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H55.3

Vertical Diffuse Angle(50%): V55.3

Luminaire Efficacy Rating (LER): 45

Max. Intensity: 487.4 cd

Total Rated Lamp Lumens: 404.0 lm

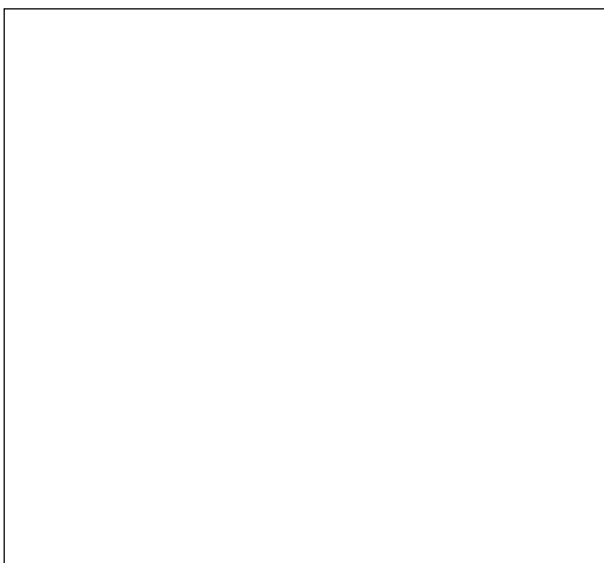
Efficiency: 100%

Upward Ratio: 0%

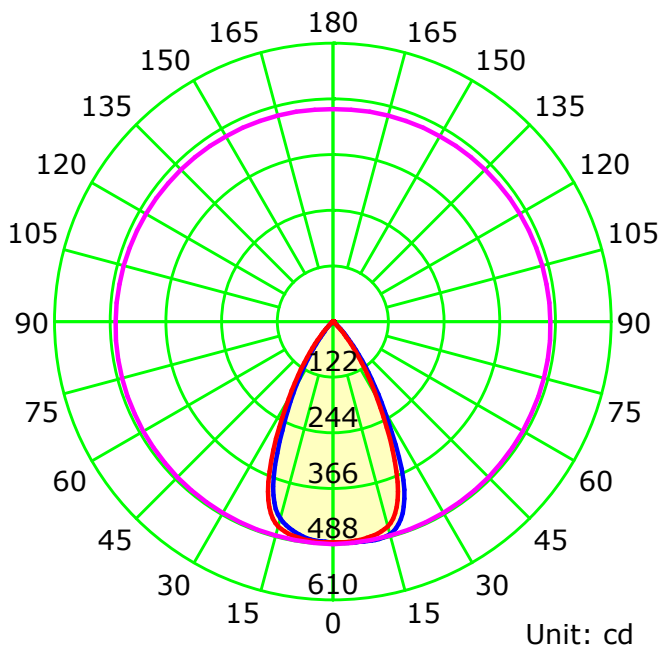
Central Intensity: 483.55 cd

Pos of Max. Intensity: H0 V11

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G11

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

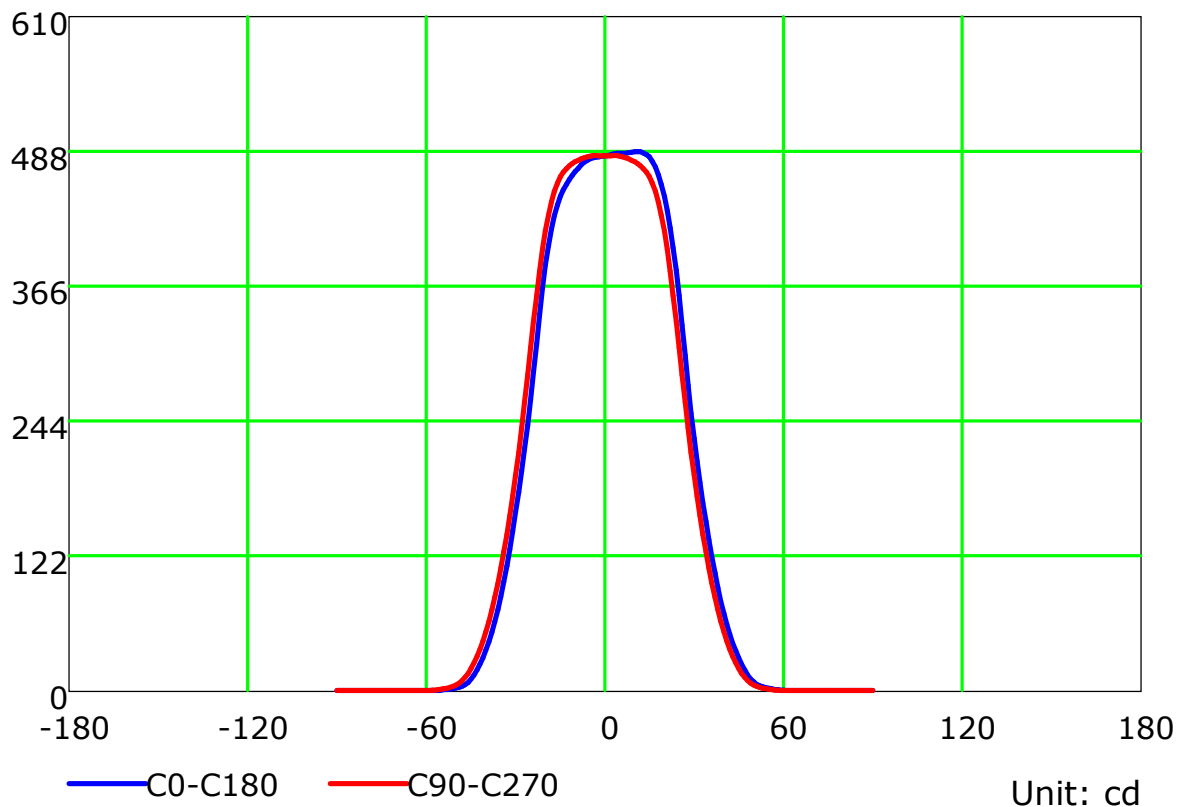
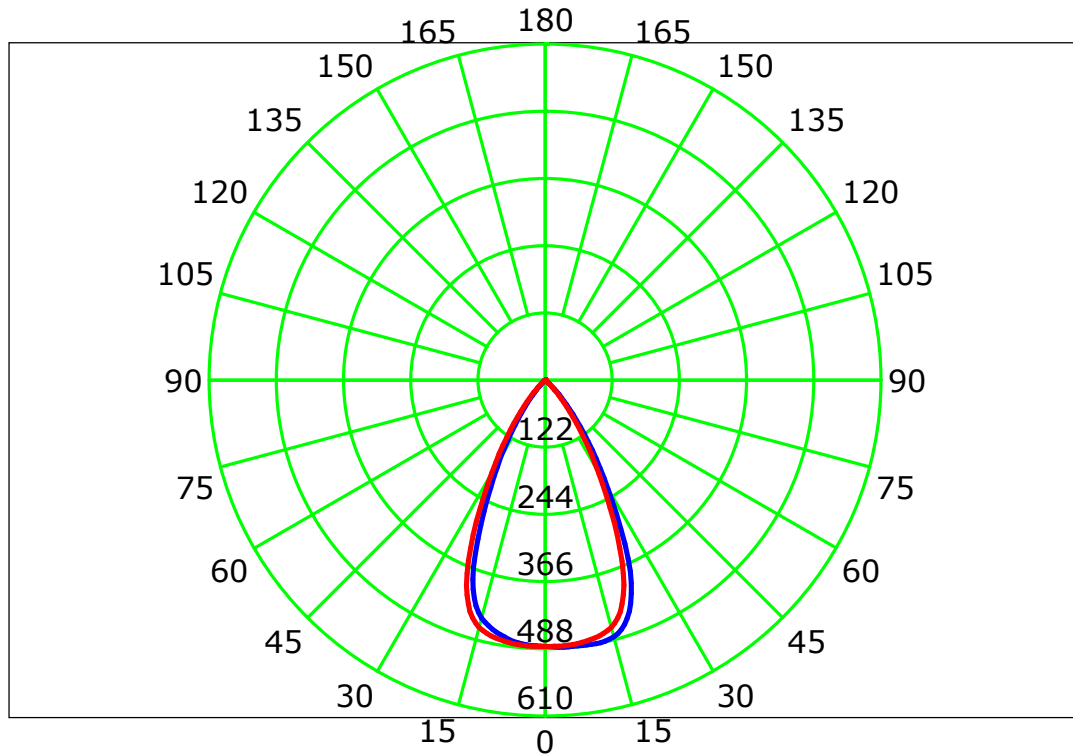
Test Device: CHL-6E

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

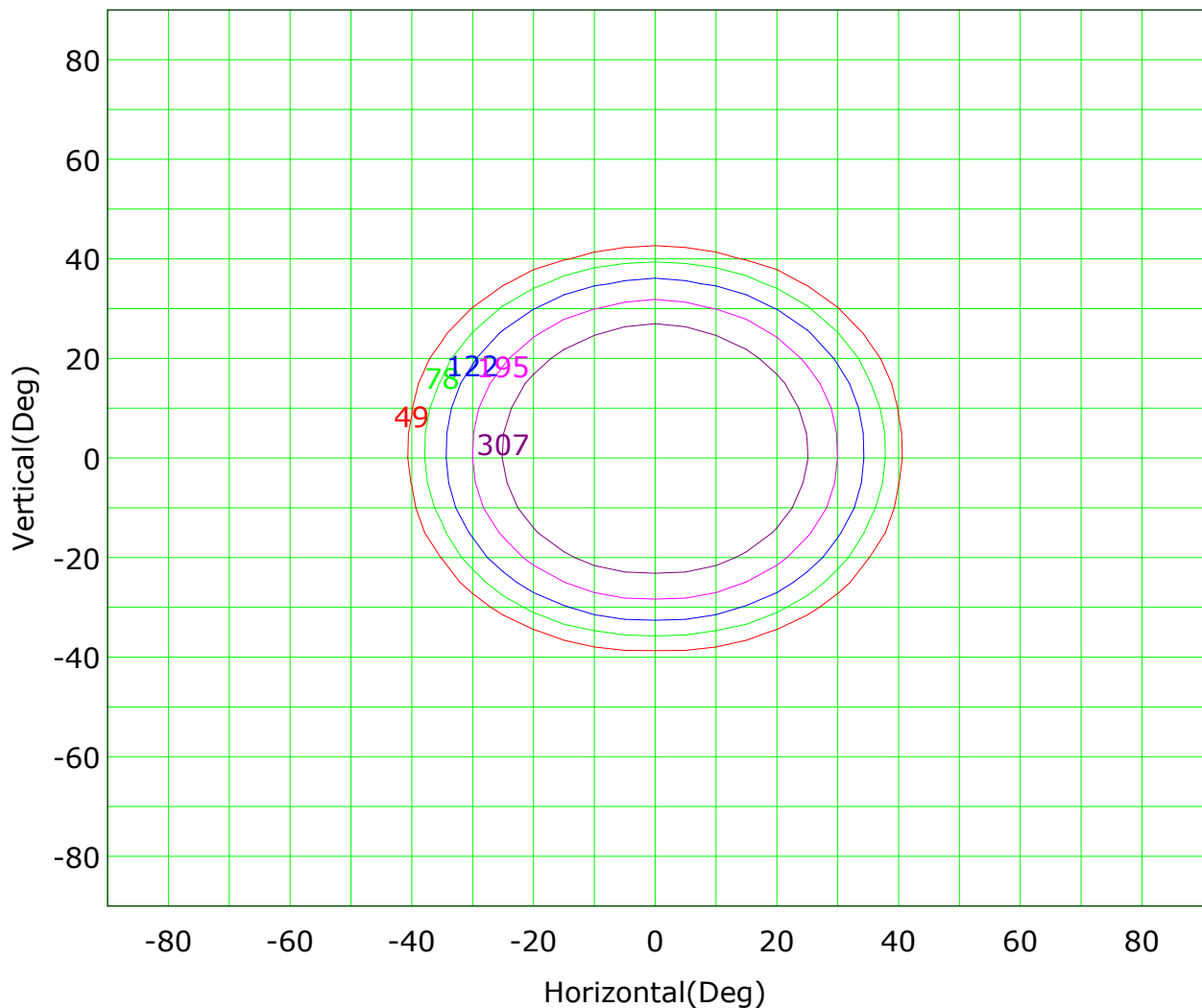
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## Isocandela (rectangle)



Imax (100%): 487 cd

( 10%):	49 cd	( 16%):	78 cd
( 25%):	122 cd	( 40%):	195 cd
( 63%):	307 cd	(100%):	487 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:

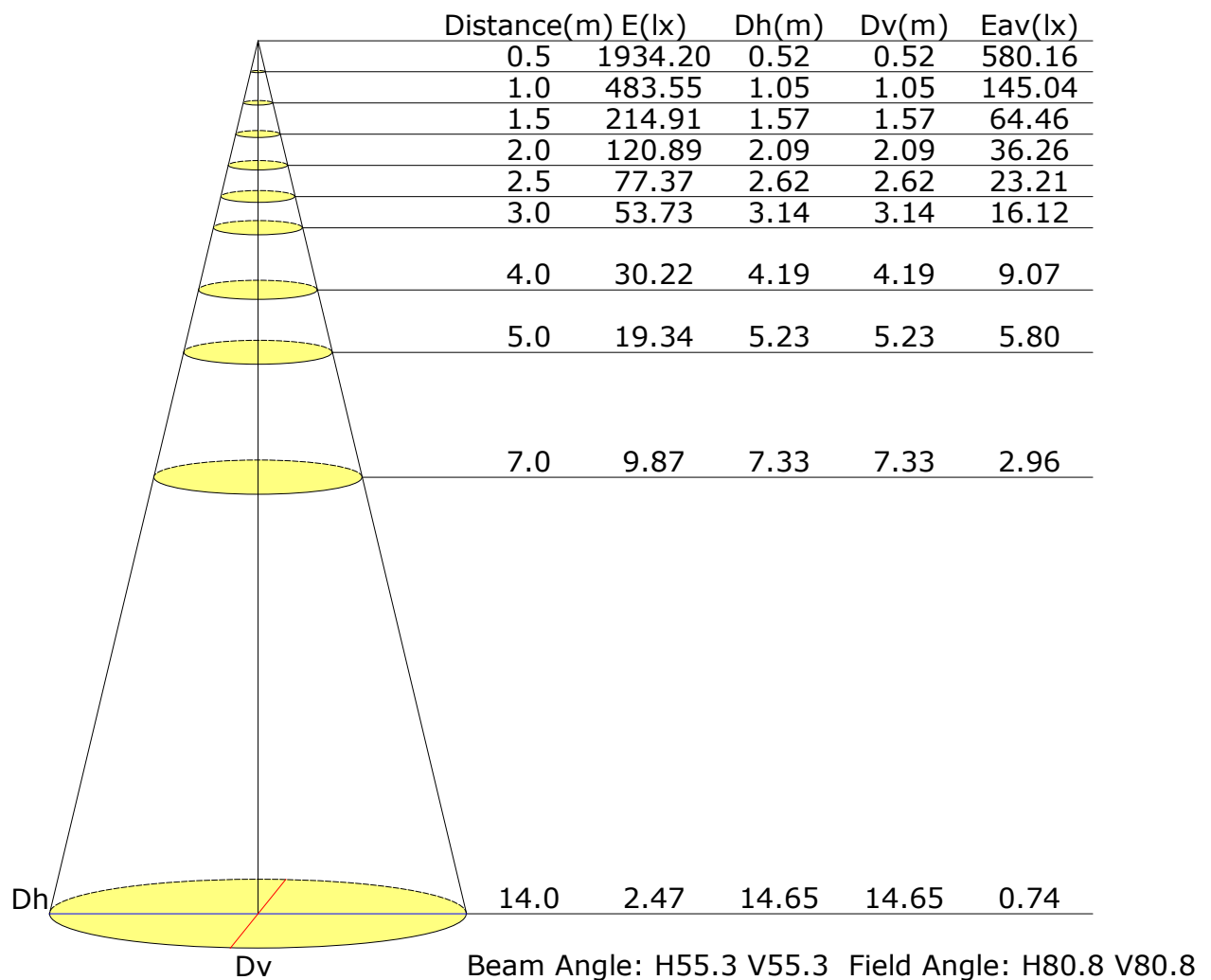
Inspector:

A contour plot showing the probability distribution of the vertical distance of the first contact point. The x-axis is labeled 'Vertical distance / mount height' and ranges from -5 to 5. The y-axis is labeled 'Horizontal distance / mount height' and ranges from -5 to 5. The plot displays several concentric, roughly elliptical contour lines centered at (0,0). The contours are labeled with values 0, 1, 2, 3, 4, and 5, indicating the probability density. The contours are colored in a gradient: red for the highest density (labeled 5), followed by orange, yellow, green, and blue for lower densities. The distribution is centered at (0,0) and is elongated along the x-axis.

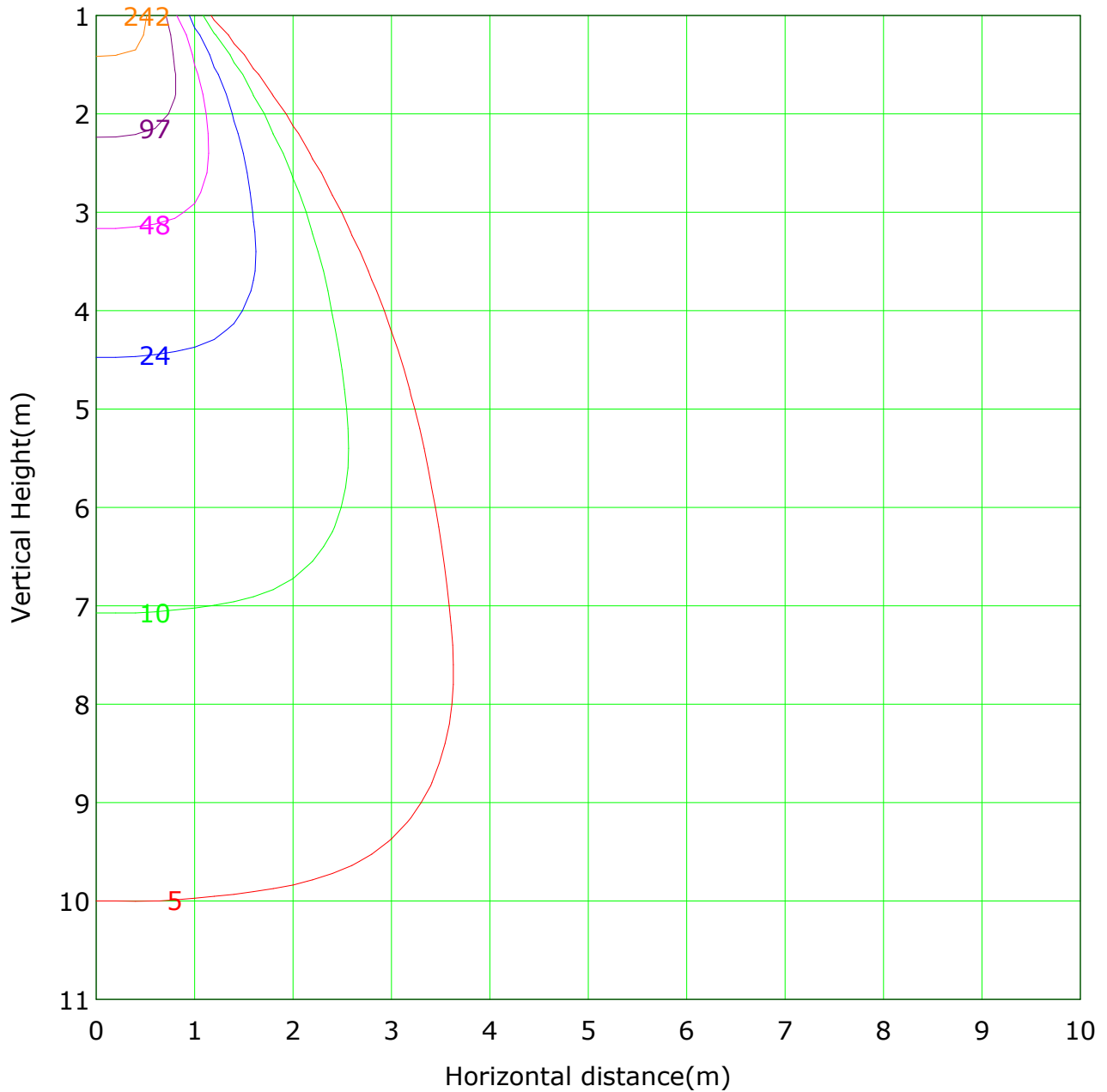
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	0 lx	— (10%):	0 lx
— (20%):	1 lx	— (50%):	2 lx
— (100%):	5 lx		

Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



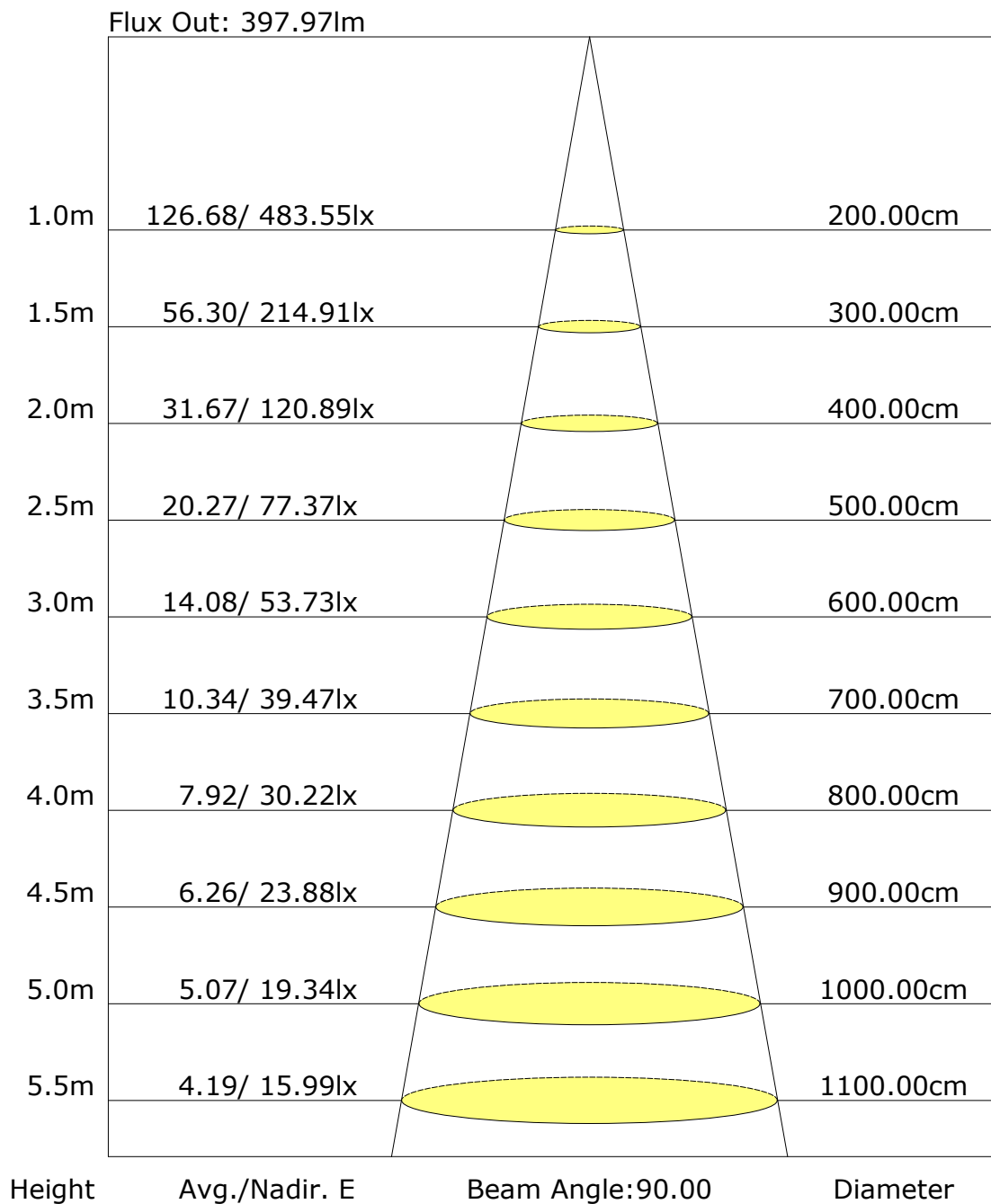
Lowest(m): 1m    Highest(m): 11    Max Lux: 484

( 1%): 5 lx	( 2%): 10 lx
( 5%): 24 lx	( 10%): 48 lx
( 20%): 97 lx	( 50%): 242 lx
(100%): 484 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	483.5	0.5	0.5	0.11	0.11
1.0-2.0	483.5	1.4	1.9	0.34	0.46
2.0-3.0	483.6	2.3	4.2	0.57	1.03
3.0-4.0	483.8	3.2	7.4	0.80	1.83
4.0-5.0	483.6	4.2	11.6	1.03	2.86
5.0-6.0	483.0	5.1	16.6	1.26	4.12
6.0-7.0	482.3	6.0	22.6	1.48	5.60
7.0-8.0	481.4	6.9	29.5	1.71	7.31
8.0-9.0	480.2	7.8	37.3	1.93	9.23
9.0-10.0	478.9	8.7	46.0	2.15	11.38
10.0-11.0	477.4	9.5	55.5	2.36	13.74
11.0-12.0	475.6	10.4	65.9	2.57	16.32
12.0-13.0	473.3	11.2	77.1	2.78	19.10
13.0-14.0	470.3	12.0	89.2	2.98	22.08
14.0-15.0	466.7	12.8	102.0	3.17	25.25
15.0-16.0	461.9	13.5	115.5	3.35	28.60
16.0-17.0	455.2	14.2	129.7	3.51	32.11
17.0-18.0	446.6	14.7	144.4	3.65	35.76
18.0-19.0	435.9	15.2	159.6	3.75	39.51
19.0-20.0	422.9	15.5	175.1	3.83	43.34
20.0-21.0	407.4	15.6	190.7	3.87	47.22
21.0-22.0	388.9	15.6	206.4	3.87	51.09
22.0-23.0	367.9	15.4	221.8	3.82	54.91
23.0-24.0	345.6	15.1	236.9	3.74	58.65
24.0-25.0	322.2	14.7	251.6	3.63	62.28
25.0-26.0	297.8	14.1	265.6	3.48	65.76
26.0-27.0	273.2	13.4	279.0	3.31	69.07
27.0-28.0	249.1	12.6	291.6	3.12	72.19
28.0-29.0	226.4	11.8	303.4	2.93	75.12
29.0-30.0	205.1	11.1	314.5	2.74	77.86
30.0-31.0	185.4	10.3	324.8	2.55	80.42
31.0-32.0	167.0	9.6	334.4	2.37	82.79
32.0-33.0	149.6	8.8	343.2	2.18	84.97
33.0-34.0	133.4	8.1	351.3	2.00	86.97
34.0-35.0	118.2	7.3	358.6	1.82	88.78
35.0-36.0	103.9	6.6	365.3	1.64	90.42

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	90.8	5.9	371.2	1.47	91.89
37.0-38.0	78.7	5.3	376.4	1.30	93.19
38.0-39.0	67.8	4.6	381.1	1.15	94.34
39.0-40.0	57.8	4.0	385.1	1.00	95.33
40.0-41.0	48.9	3.5	388.6	0.86	96.20
41.0-42.0	41.2	3.0	391.6	0.74	96.94
42.0-43.0	34.3	2.5	394.1	0.63	97.57
43.0-44.0	28.0	2.1	396.2	0.52	98.09
44.0-45.0	22.6	1.7	398.0	0.43	98.52
45.0-46.0	17.8	1.4	399.4	0.34	98.87
46.0-47.0	13.8	1.1	400.5	0.27	99.14
47.0-48.0	10.5	0.9	401.3	0.21	99.35
48.0-49.0	7.9	0.6	402.0	0.16	99.51
49.0-50.0	5.9	0.5	402.5	0.12	99.63
50.0-51.0	4.4	0.4	402.8	0.09	99.72
51.0-52.0	3.4	0.3	403.1	0.07	99.79
52.0-53.0	2.6	0.2	403.3	0.06	99.85
53.0-54.0	2.0	0.2	403.5	0.04	99.90
54.0-55.0	1.6	0.1	403.7	0.03	99.93
55.0-56.0	1.1	0.1	403.8	0.02	99.95
56.0-57.0	0.7	0.1	403.8	0.02	99.97
57.0-58.0	0.5	0.0	403.9	0.01	99.98
58.0-59.0	0.3	0.0	403.9	0.01	99.99
59.0-60.0	0.2	0.0	403.9	0.00	99.99
60.0-61.0	0.1	0.0	403.9	0.00	99.99
61.0-62.0	0.1	0.0	403.9	0.00	100.00
62.0-63.0	0.1	0.0	403.9	0.00	100.00
63.0-64.0	0.1	0.0	403.9	0.00	100.00
64.0-65.0	0.0	0.0	403.9	0.00	100.00
65.0-66.0	0.0	0.0	403.9	0.00	100.00
66.0-67.0	0.0	0.0	403.9	0.00	100.00
67.0-68.0	0.0	0.0	403.9	0.00	100.00
68.0-69.0	0.0	0.0	403.9	0.00	100.00
69.0-70.0	0.0	0.0	403.9	0.00	100.00
70.0-71.0	0.0	0.0	403.9	0.00	100.00
71.0-72.0	0.0	0.0	403.9	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	483.5	483.5								
G1.0	483.7	483.3								
G2.0	484.3	482.7								
G3.0	485.3	482.3								
G4.0	485.8	481.8								
G5.0	485.8	480.8								
G6.0	485.8	479.6								
G7.0	485.9	477.8								
G8.0	486.5	475.4								
G9.0	486.8	472.3								
G10.0	487.1	469.3								
G11.0	487.4	465.9								
G12.0	487.1	462.1								
G13.0	486.2	457.7								
G14.0	484.5	452.9								
G15.0	482.6	446.9								
G16.0	478.7	439.2								
G17.0	473.4	429.3								
G18.0	466.4	417.3								
G19.0	457.6	402.4								
G20.0	446.9	384.9								
G21.0	433.9	363.9								
G22.0	418.3	339.5								
G23.0	400.4	313.6								
G24.0	380.3	288.0								
G25.0	357.2	263.2								
G26.0	330.7	240.2								
G27.0	303.0	218.6								
G28.0	276.2	198.6								
G29.0	251.0	179.6								
G30.0	228.2	161.5								
G31.0	207.6	144.3								
G32.0	188.2	127.9								
G33.0	169.8	112.6								
G34.0	152.8	98.3								
G35.0	136.2	85.3								
G36.0	121.0	73.3								

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	106.5	62.5								
G38.0	93.1	52.9								
G39.0	80.7	44.4								
G40.0	69.5	36.6								
G41.0	59.8	29.8								
G42.0	51.0	24.2								
G43.0	43.1	18.9								
G44.0	36.0	14.1								
G45.0	29.7	10.4								
G46.0	23.8	7.3								
G47.0	18.8	5.3								
G48.0	14.0	4.0								
G49.0	10.4	3.1								
G50.0	7.8	2.4								
G51.0	5.7	1.9								
G52.0	4.5	1.4								
G53.0	3.5	1.0								
G54.0	2.9	0.9								
G55.0	2.1	0.4								
G56.0	1.7	0.0								
G57.0	1.1	0.0								
G58.0	0.9	0.0								
G59.0	0.4	0.0								
G60.0	0.4	0.0								
G61.0	0.1	0.0								
G62.0	0.1	0.0								
G63.0	0.1	0.0								
G64.0	0.1	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	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: