

Report No.: 56.03519 Lanky Recessed
Downlight

Test Time: 2024-09-15 11:26

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

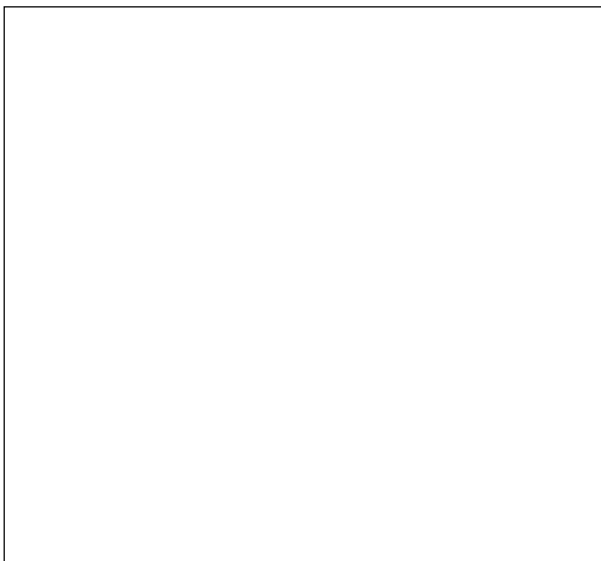
Efficiency: 100%

Upward Ratio: 0%

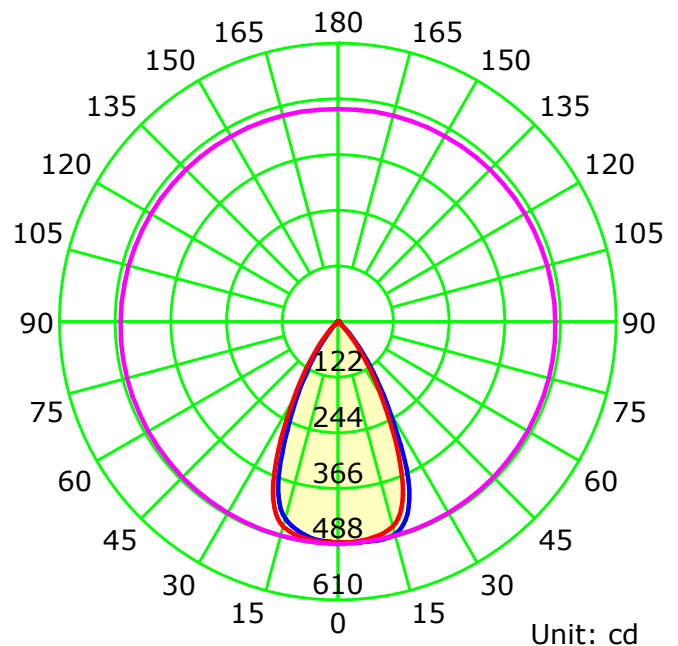
Central Intensity: 483.55 cd

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

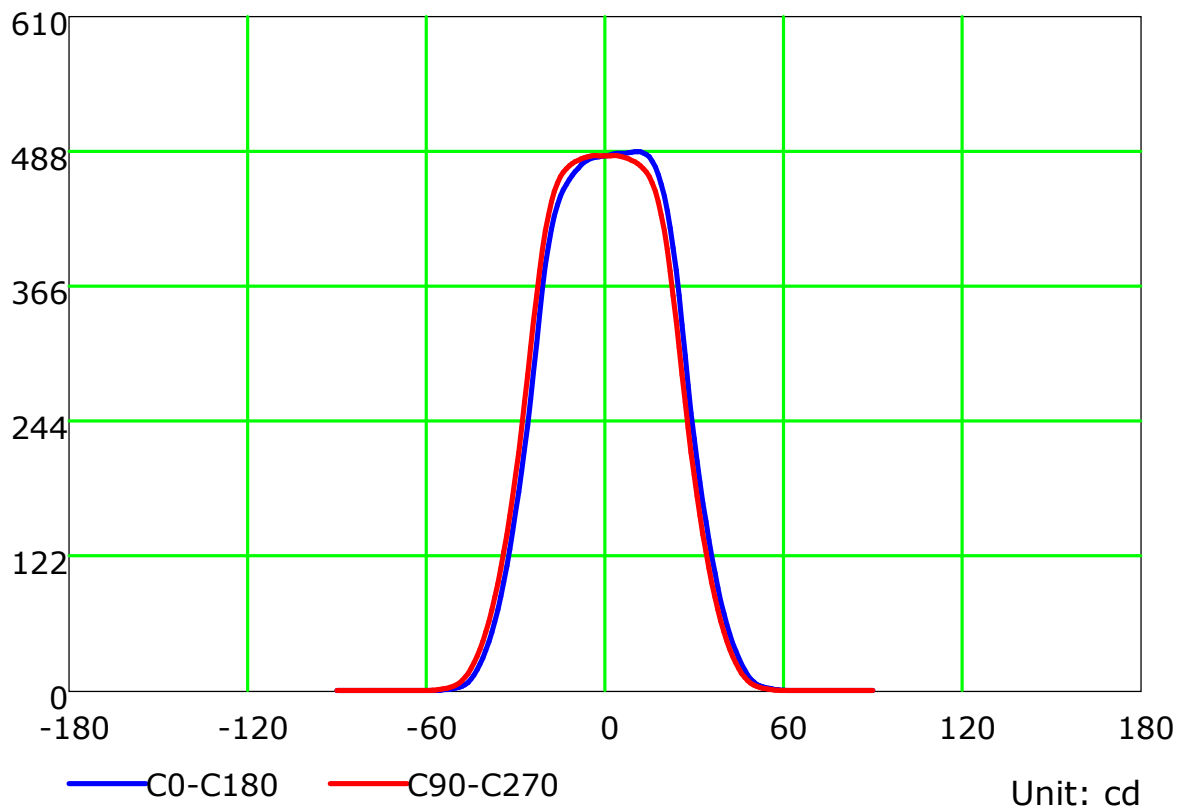
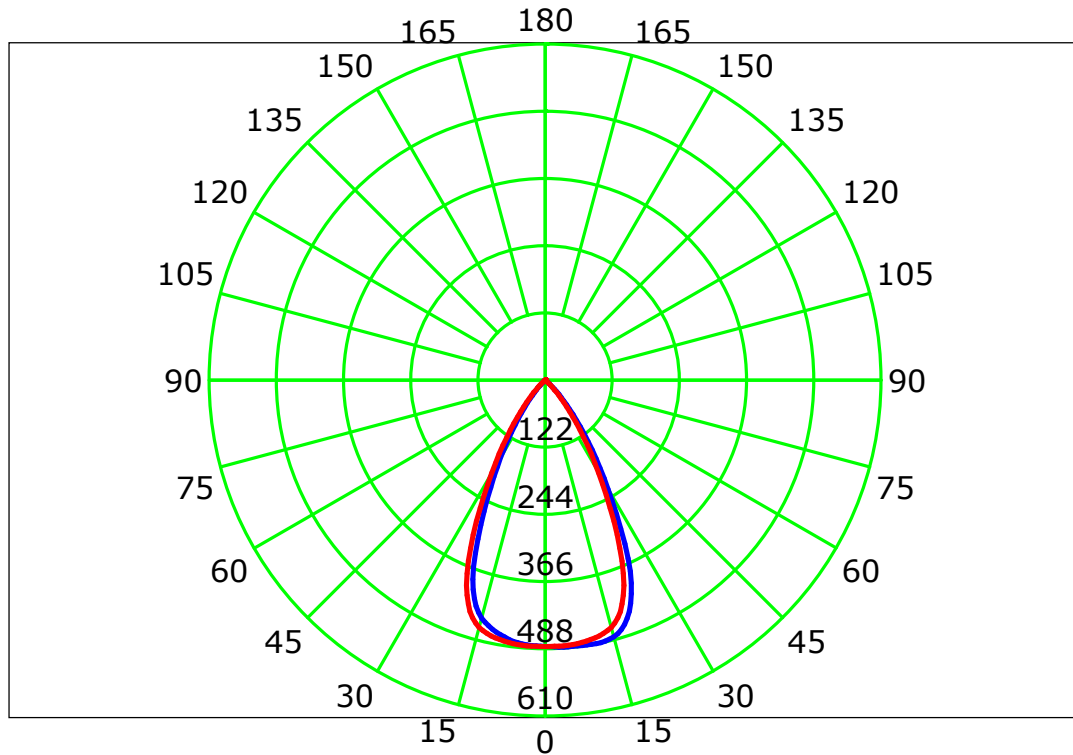
Test Device: CHL-6E

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

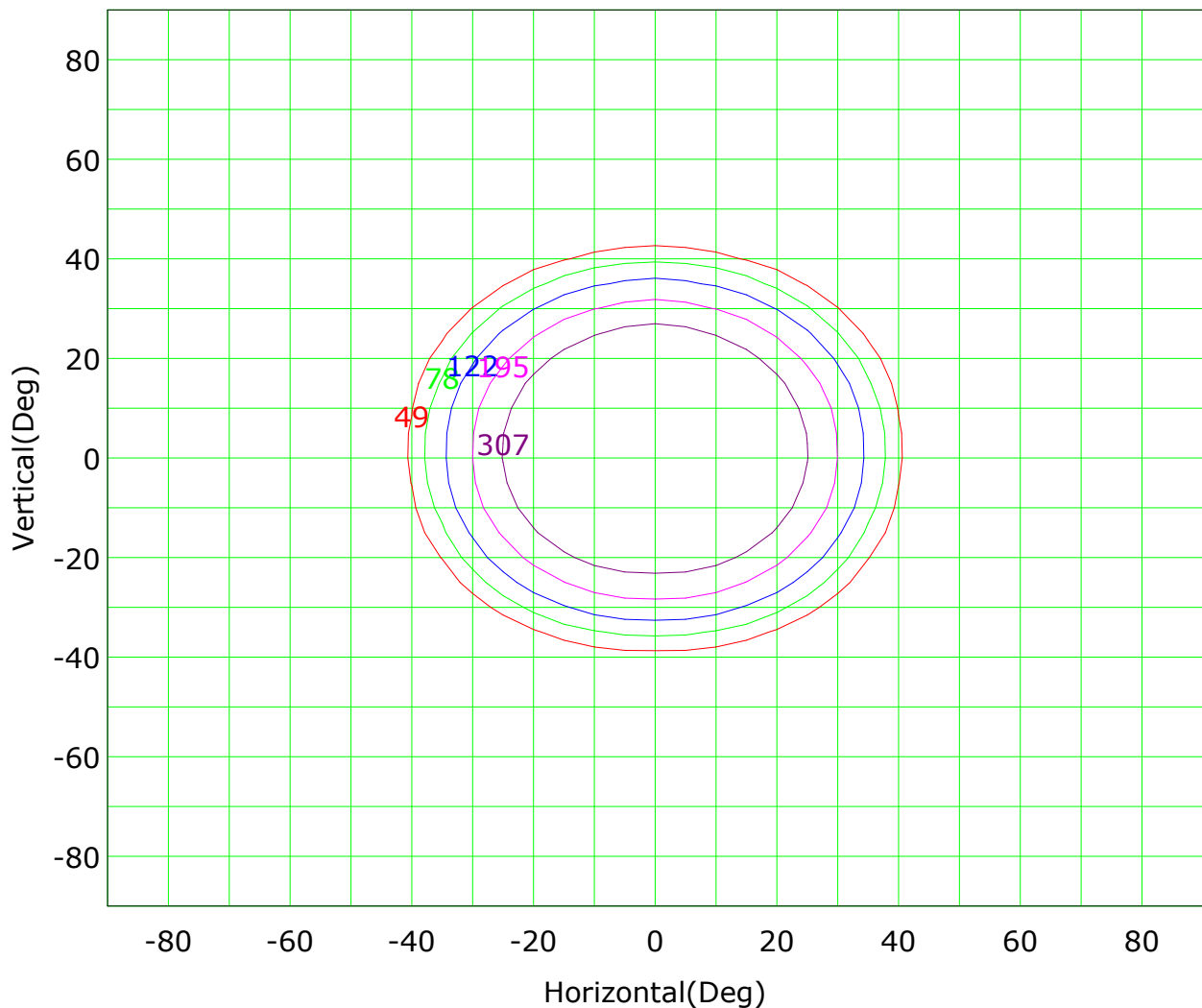
Test Device: CHL-6E

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:

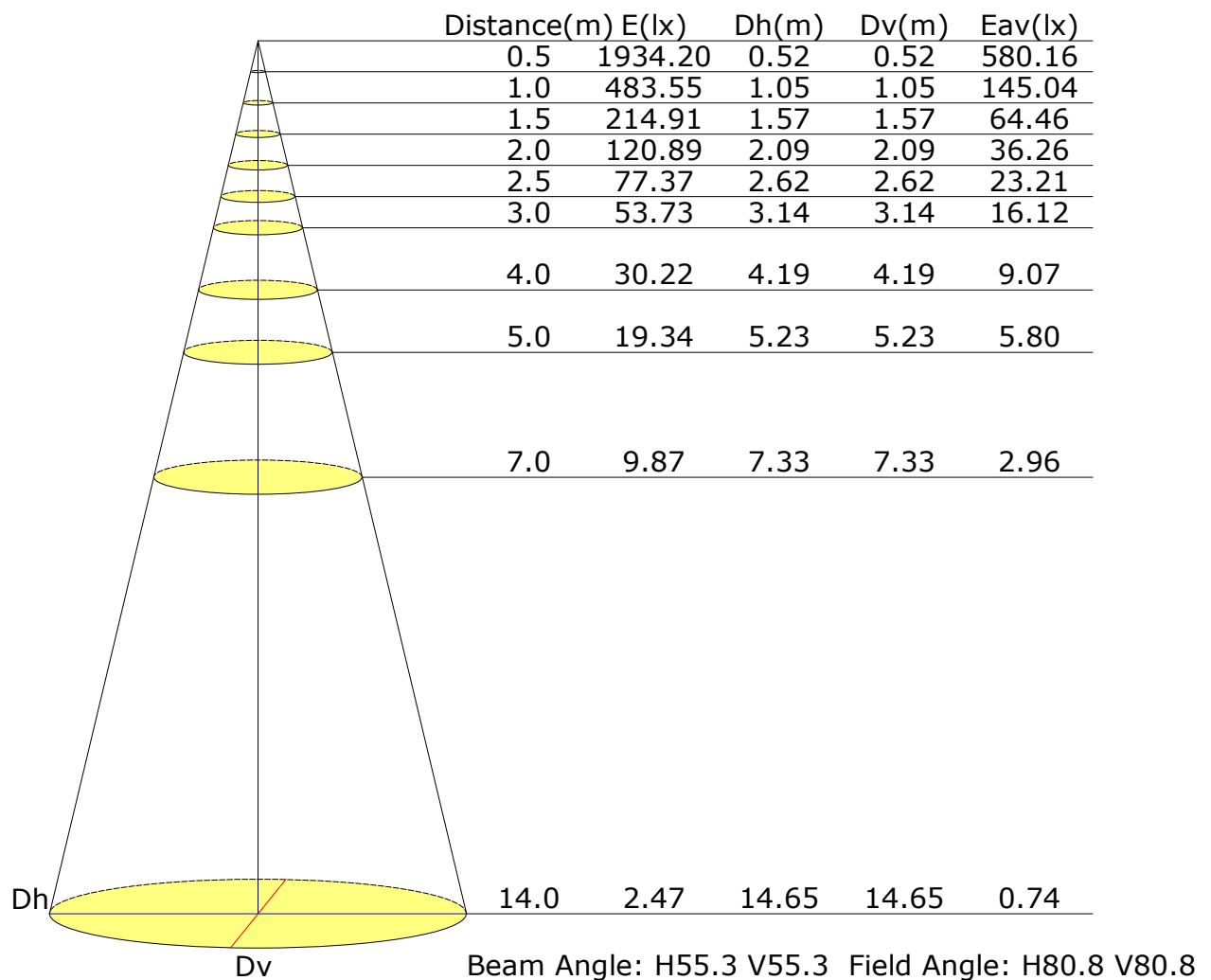
Inspector:

A contour plot showing the probability distribution of the vertical distance of the first hit from the target. The horizontal axis is labeled 'Vertical distance / mount height' and the vertical axis is labeled 'Horizontal distance / mount height'. Both axes range from -5 to 5 with major grid lines every 1 unit. The plot displays several concentric, roughly elliptical contour lines centered at (0, 0). The contours are labeled with numbers 0, 1, 2, and 5, indicating different probability levels. The contours are colored: 0 is red, 1 is blue, 2 is orange, and 5 is green. The distribution is centered at (0, 0) and is elongated along the horizontal axis.

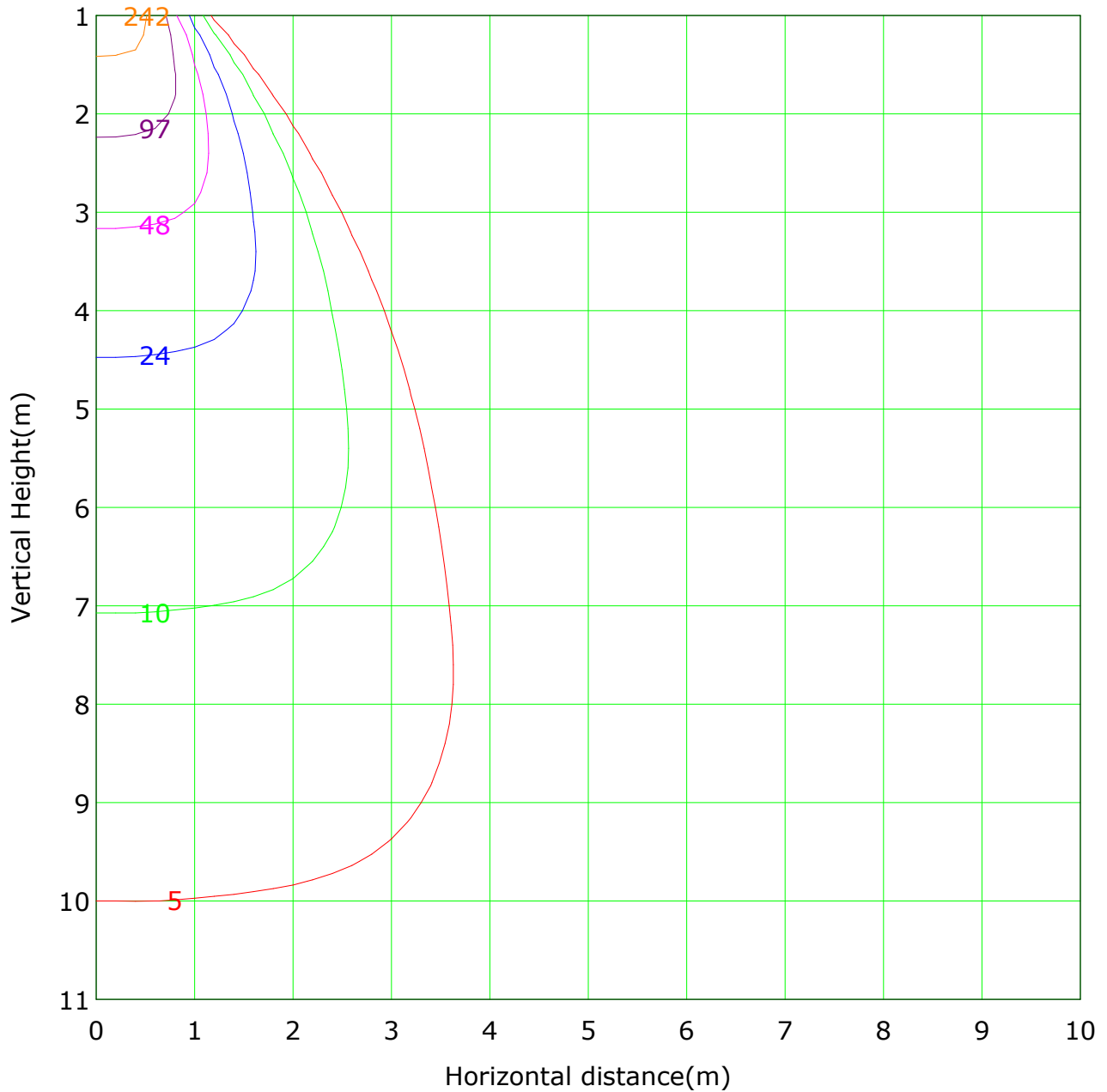
— (1%):	0 lx	— (2%):	0 lx
— (5%):	0 lx	— (10%):	0 lx
— (20%):	1 lx	— (50%):	2 lx
— (100%):	5 lx		

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



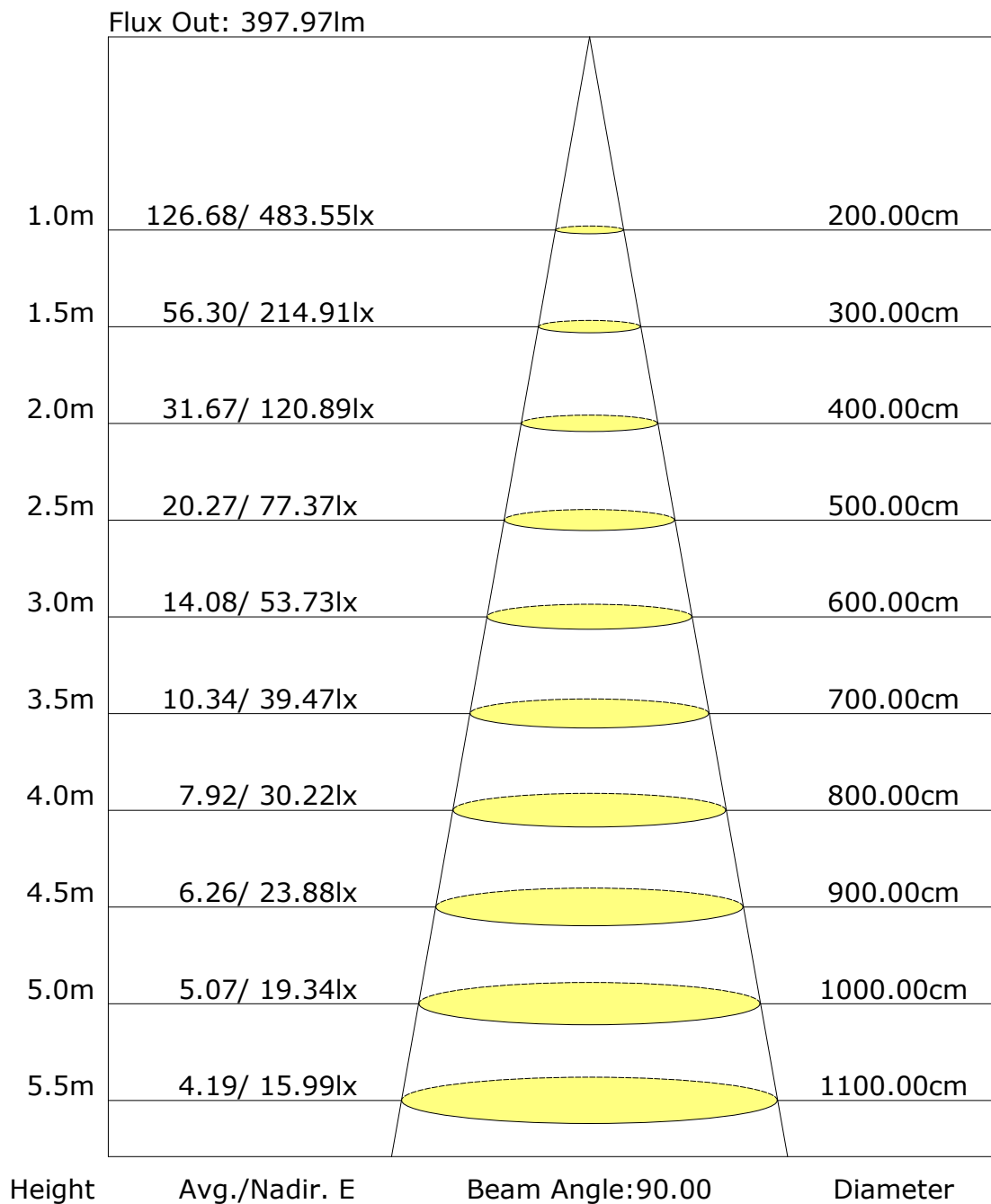
Lowest(m): 1m Highest(m): 11 Max Lux: 484

(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 _{mean} [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 _{mean} [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: