

Report No.: 56.03520 Lanky Recessed  
Downlight

Test Time: 2024-09-30 14:38

## Luminaire Property

Luminaire Category:

Luminaire Description: LANKY 导轨灯线条长款 Voltage: 228.0 V

Current: 0.087 A

Power: 12.10 W

Power Factor: 0.598

## Photometric Results

CIE Class: Direct

Measurement Flux: 1036.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.7

Vertical Diffuse Angle(50%): V34.7

Luminaire Efficacy Rating (LER): 86

Max. Intensity: 3096.48 cd

Total Rated Lamp Lumens: 1036.8 lm

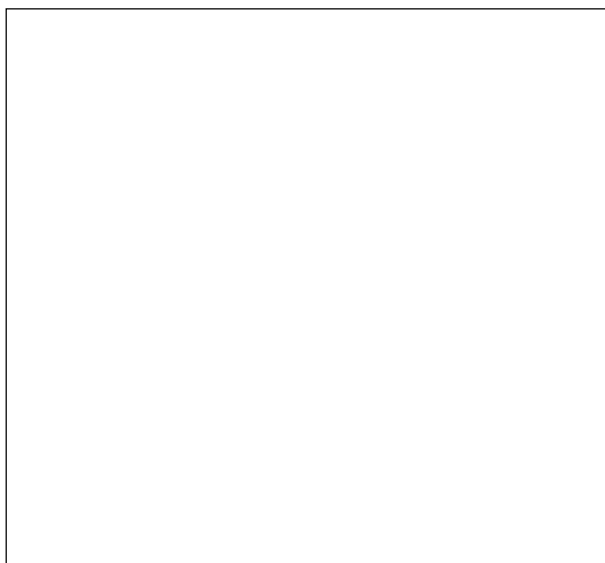
Efficiency: 100%

Upward Ratio: 0%

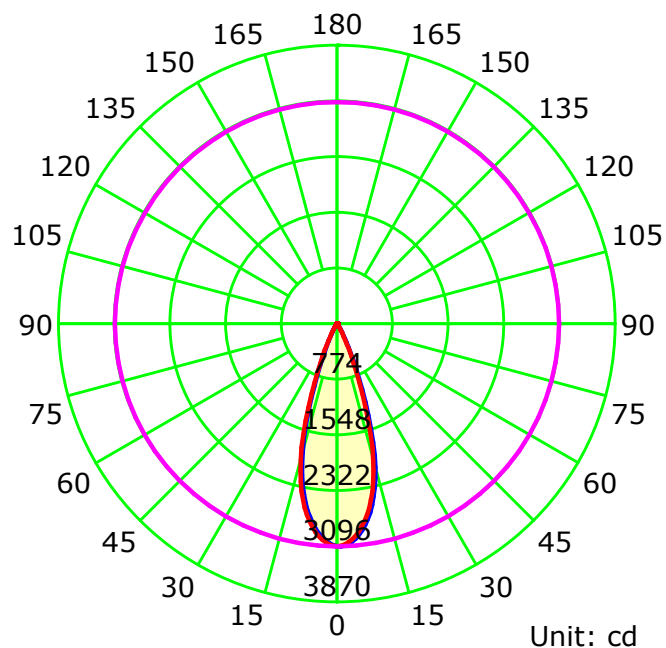
Central Intensity: 3094.62 cd

Pos of Max. Intensity: H0 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

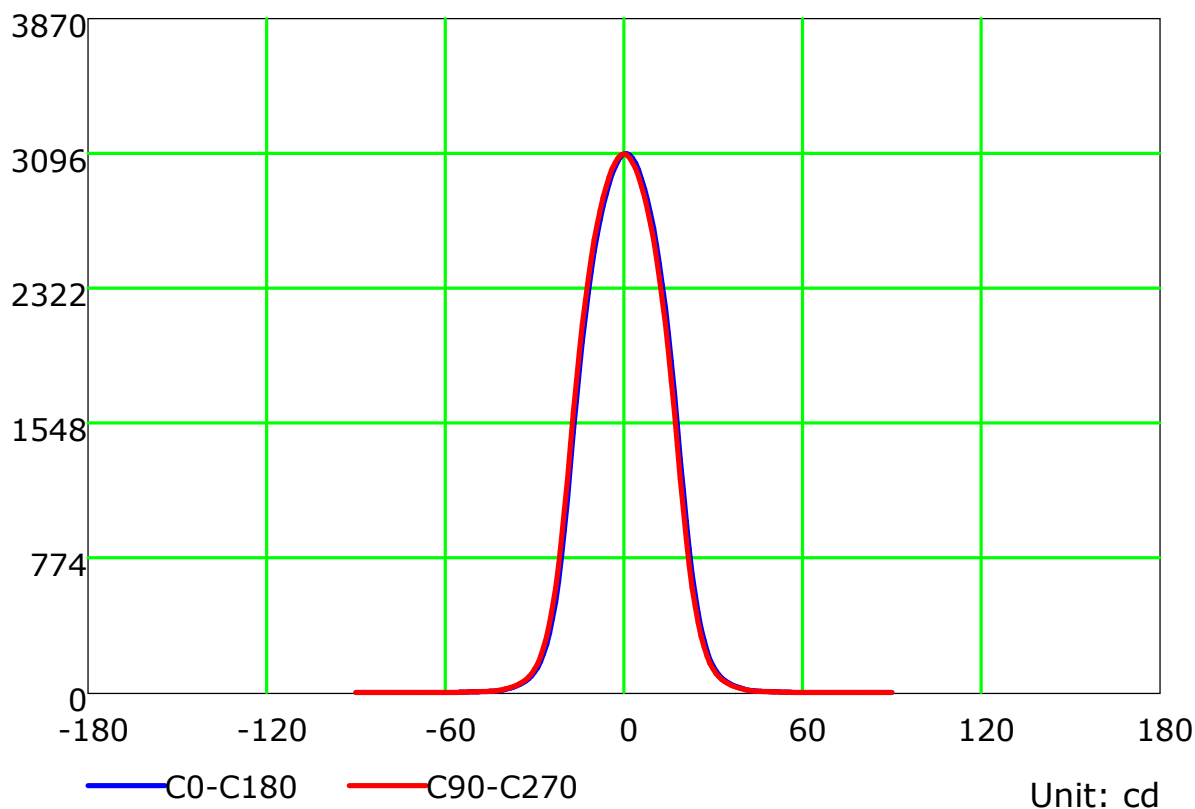
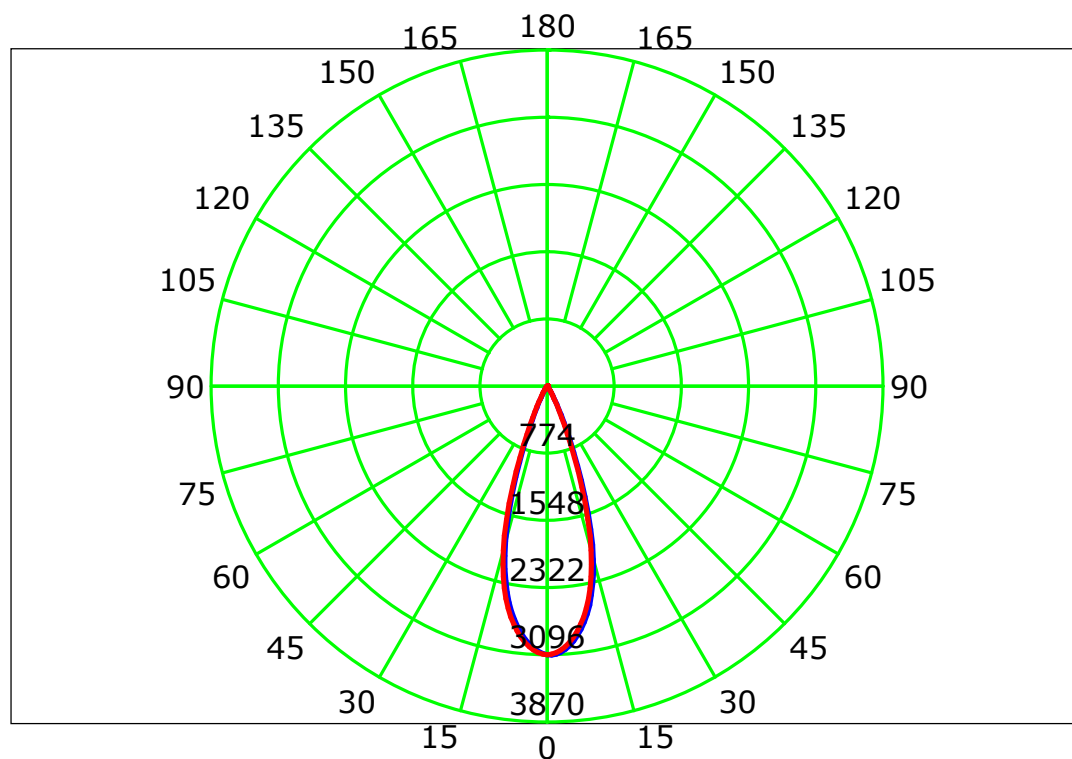
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

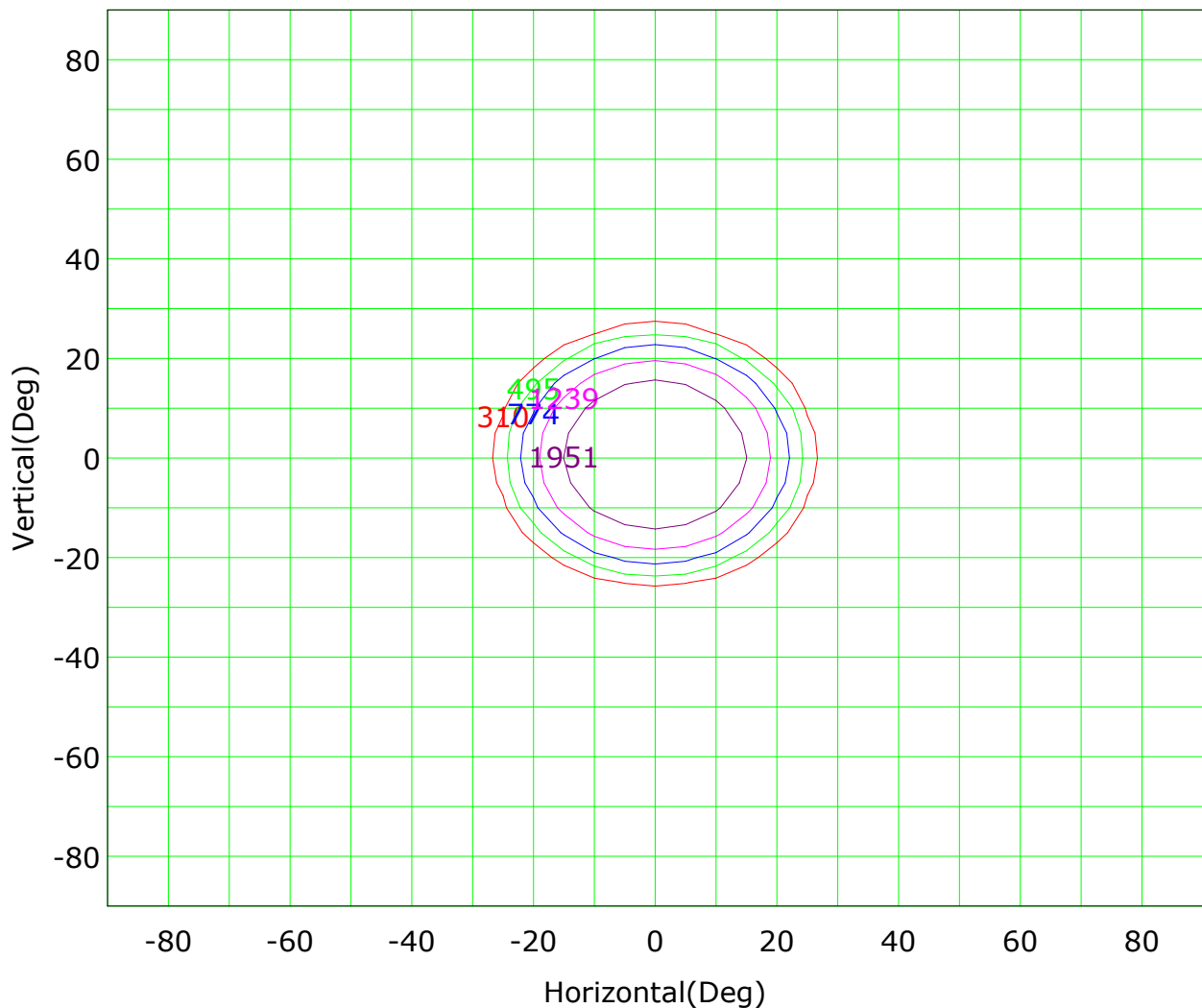
## Luminous Intensity Distribution Curve



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%): 3096 cd

( 10%): 310 cd	( 16%): 495 cd
( 25%): 774 cd	( 40%): 1239 cd
( 63%): 1951 cd	(100%): 3096 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

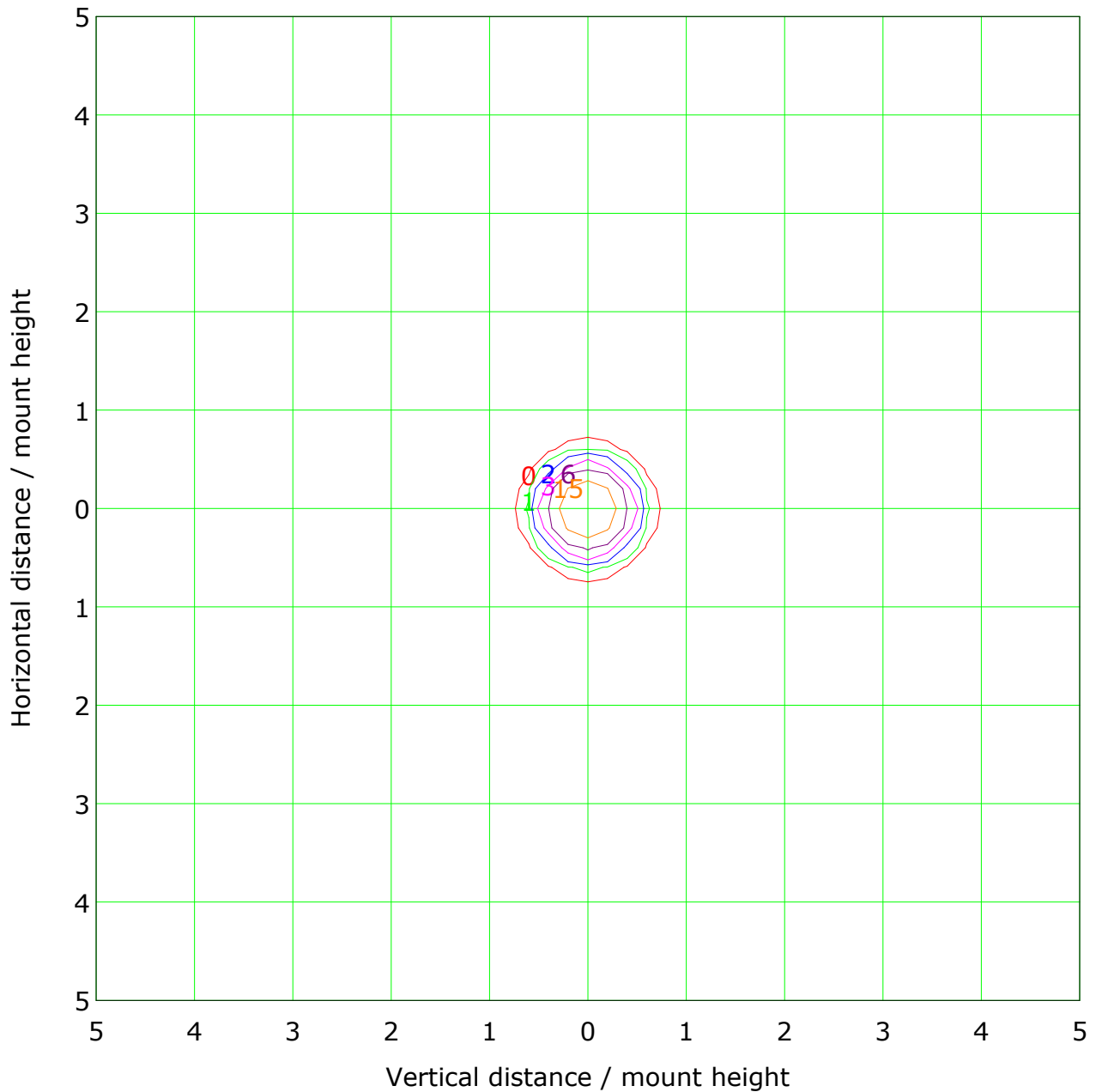
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 31 lx	
( 1%):	0 lx	( 2%):	1 lx
( 5%):	2 lx	( 10%):	3 lx
( 20%):	6 lx	( 50%):	15 lx
(100%):	31 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

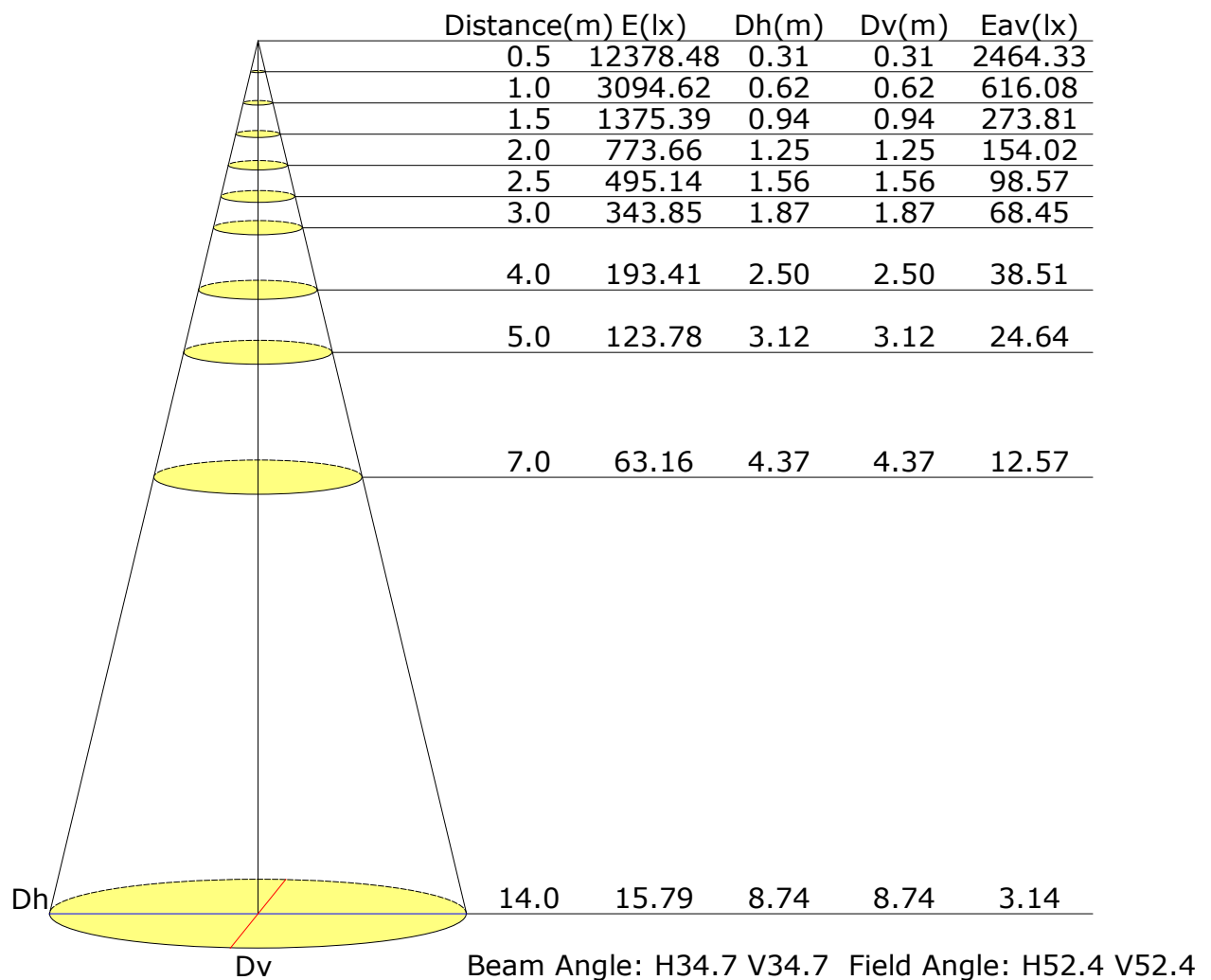
Test Device: CHL-6E

Distance: 3.328 m

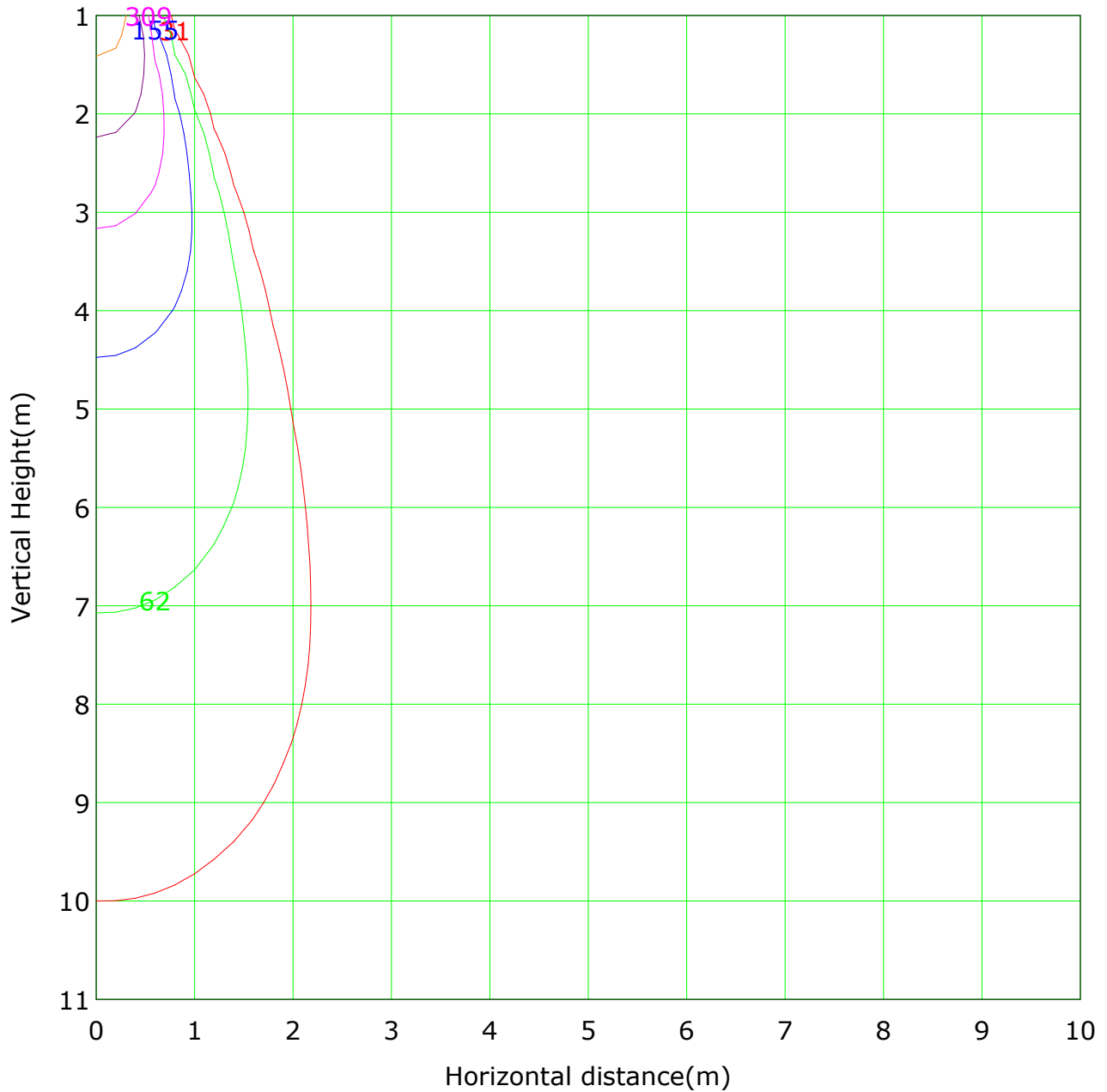
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

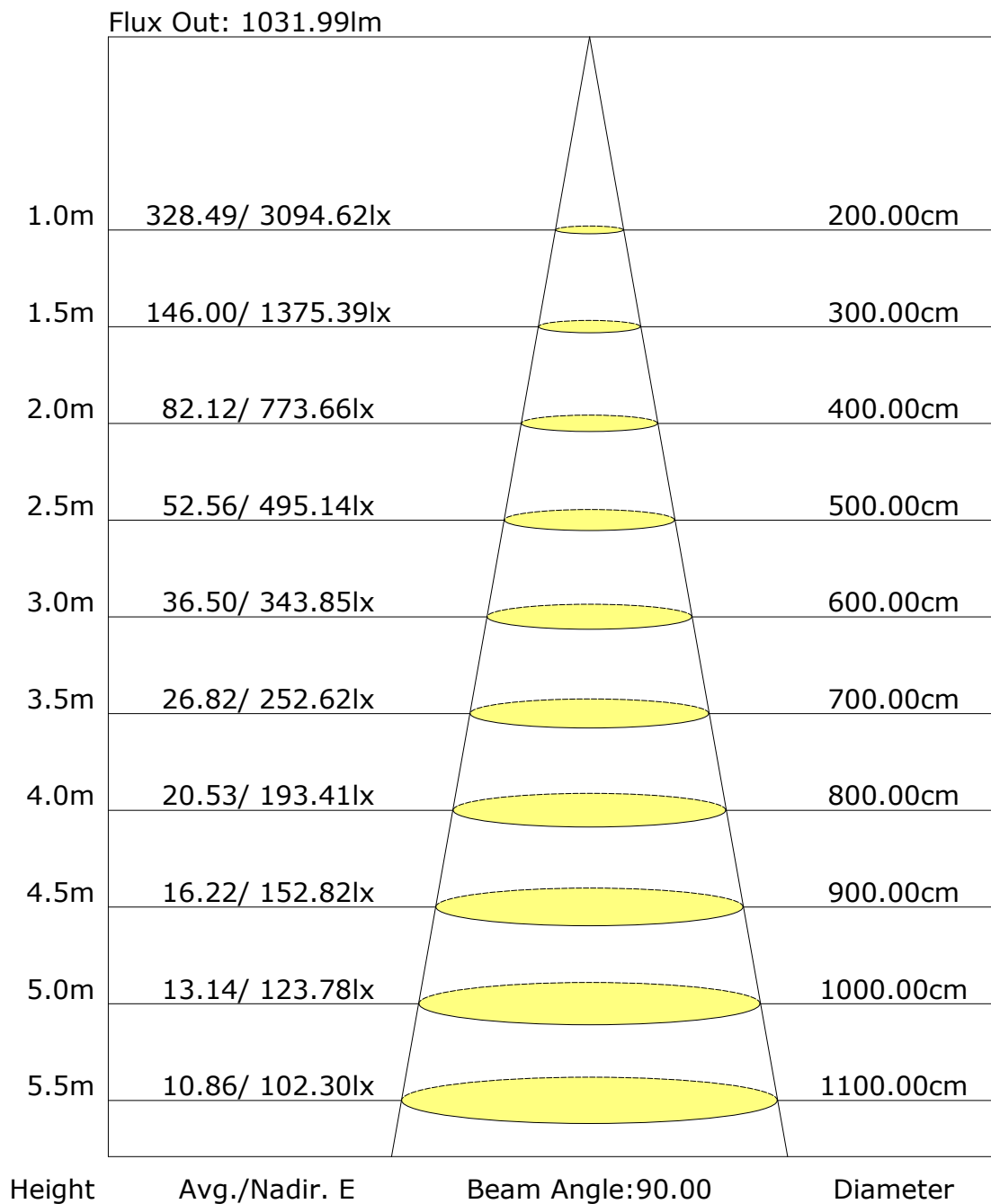


Lowest(m): 1m    Highest(m): 11    Max Lux: 3095	
( 1%): 31 lx	( 2%): 62 lx
( 5%): 155 lx	( 10%): 309 lx
( 20%): 619 lx	( 50%): 1547 lx
(100%): 3095 lx	

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	3091.6	3.0	3.0	0.29	0.29
1.0-2.0	3080.0	8.8	11.8	0.85	1.14
2.0-3.0	3057.7	14.6	26.4	1.41	2.55
3.0-4.0	3026.4	20.3	46.7	1.95	4.50
4.0-5.0	2985.9	25.7	72.4	2.48	6.98
5.0-6.0	2935.3	30.9	103.2	2.98	9.96
6.0-7.0	2875.2	35.7	138.9	3.44	13.40
7.0-8.0	2807.3	40.2	179.1	3.88	17.27
8.0-9.0	2732.3	44.3	223.4	4.27	21.55
9.0-10.0	2646.5	47.9	271.3	4.62	26.17
10.0-11.0	2547.0	50.9	322.2	4.91	31.08
11.0-12.0	2436.5	53.3	375.5	5.14	36.21
12.0-13.0	2315.8	55.0	430.4	5.30	41.51
13.0-14.0	2182.7	55.9	486.3	5.39	46.90
14.0-15.0	2035.7	55.9	542.2	5.39	52.29
15.0-16.0	1875.2	55.0	597.2	5.30	57.59
16.0-17.0	1701.2	53.0	650.1	5.11	62.71
17.0-18.0	1515.7	50.0	700.1	4.82	67.53
18.0-19.0	1324.5	46.1	746.2	4.45	71.97
19.0-20.0	1137.4	41.6	787.8	4.02	75.99
20.0-21.0	963.9	37.0	824.9	3.57	79.56
21.0-22.0	806.4	32.4	857.3	3.13	82.68
22.0-23.0	667.1	28.0	885.3	2.70	85.38
23.0-24.0	548.2	24.0	909.2	2.31	87.70
24.0-25.0	447.4	20.3	929.6	1.96	89.66
25.0-26.0	362.5	17.1	946.7	1.65	91.31
26.0-27.0	292.4	14.3	961.0	1.38	92.69
27.0-28.0	234.5	11.9	972.9	1.15	93.83
28.0-29.0	187.5	9.8	982.7	0.95	94.78
29.0-30.0	150.7	8.1	990.8	0.78	95.56
30.0-31.0	122.4	6.8	997.6	0.66	96.22
31.0-32.0	100.3	5.7	1003.4	0.55	96.78
32.0-33.0	82.8	4.9	1008.3	0.47	97.25
33.0-34.0	68.7	4.2	1012.4	0.40	97.65
34.0-35.0	57.1	3.5	1016.0	0.34	97.99
35.0-36.0	47.8	3.0	1019.0	0.29	98.28

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	40.1	2.6	1021.6	0.25	98.54
37.0-38.0	33.5	2.2	1023.9	0.22	98.75
38.0-39.0	27.8	1.9	1025.8	0.18	98.93
39.0-40.0	22.8	1.6	1027.4	0.15	99.09
40.0-41.0	18.2	1.3	1028.7	0.13	99.21
41.0-42.0	14.5	1.1	1029.7	0.10	99.31
42.0-43.0	11.7	0.9	1030.6	0.08	99.40
43.0-44.0	9.8	0.7	1031.3	0.07	99.47
44.0-45.0	8.7	0.7	1032.0	0.06	99.53
45.0-46.0	7.8	0.6	1032.6	0.06	99.59
46.0-47.0	7.0	0.6	1033.1	0.05	99.65
47.0-48.0	6.3	0.5	1033.7	0.05	99.70
48.0-49.0	5.6	0.5	1034.1	0.04	99.74
49.0-50.0	5.2	0.4	1034.6	0.04	99.78
50.0-51.0	4.7	0.4	1035.0	0.04	99.82
51.0-52.0	4.1	0.4	1035.3	0.03	99.85
52.0-53.0	3.5	0.3	1035.6	0.03	99.88
53.0-54.0	3.0	0.3	1035.9	0.03	99.91
54.0-55.0	2.3	0.2	1036.1	0.02	99.93
55.0-56.0	1.8	0.2	1036.2	0.02	99.95
56.0-57.0	1.4	0.1	1036.4	0.01	99.96
57.0-58.0	1.0	0.1	1036.5	0.01	99.97
58.0-59.0	0.7	0.1	1036.5	0.01	99.97
59.0-60.0	0.6	0.1	1036.6	0.01	99.98
60.0-61.0	0.5	0.0	1036.6	0.00	99.98
61.0-62.0	0.4	0.0	1036.7	0.00	99.99
62.0-63.0	0.3	0.0	1036.7	0.00	99.99
63.0-64.0	0.3	0.0	1036.7	0.00	99.99
64.0-65.0	0.2	0.0	1036.8	0.00	100.00
65.0-66.0	0.2	0.0	1036.8	0.00	100.00
66.0-67.0	0.1	0.0	1036.8	0.00	100.00
67.0-68.0	0.1	0.0	1036.8	0.00	100.00
68.0-69.0	0.1	0.0	1036.8	0.00	100.00
69.0-70.0	0.0	0.0	1036.8	0.00	100.00
70.0-71.0	0.0	0.0	1036.8	0.00	100.00
71.0-72.0	0.0	0.0	1036.8	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	3094.6	3094.6								
G1.0	3096.5	3080.8								
G2.0	3087.5	3055.1								
G3.0	3068.9	3019.4								
G4.0	3040.2	2977.1								
G5.0	3001.4	2924.9								
G6.0	2951.0	2863.9								
G7.0	2892.1	2793.7								
G8.0	2826.7	2716.7								
G9.0	2754.0	2631.8								
G10.0	2668.4	2531.7								
G11.0	2569.1	2418.9								
G12.0	2460.4	2297.7								
G13.0	2341.5	2163.6								
G14.0	2210.8	2014.8								
G15.0	2064.3	1852.9								
G16.0	1904.8	1678.8								
G17.0	1726.0	1495.1								
G18.0	1537.6	1304.2								
G19.0	1345.8	1110.5								
G20.0	1160.3	933.2								
G21.0	986.1	776.2								
G22.0	826.2	637.0								
G23.0	683.7	521.5								
G24.0	562.5	425.0								
G25.0	458.5	343.5								
G26.0	370.8	277.3								
G27.0	298.2	223.1								
G28.0	237.7	179.1								
G29.0	188.9	144.3								
G30.0	151.8	117.8								
G31.0	123.4	96.6								
G32.0	101.3	79.9								
G33.0	83.6	66.5								
G34.0	69.2	55.5								
G35.0	57.6	46.3								
G36.0	48.2	39.0								

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:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	40.3	32.8								
G38.0	33.8	27.2								
G39.0	27.8	22.6								
G40.0	22.4	18.4								
G41.0	17.5	14.6								
G42.0	13.9	11.9								
G43.0	11.2	9.9								
G44.0	9.6	8.7								
G45.0	8.6	7.9								
G46.0	7.4	7.1								
G47.0	6.9	6.5								
G48.0	6.1	5.7								
G49.0	5.6	5.2								
G50.0	5.1	5.0								
G51.0	4.5	4.2								
G52.0	4.0	3.7								
G53.0	3.5	3.0								
G54.0	2.9	2.5								
G55.0	2.1	1.9								
G56.0	1.9	1.4								
G57.0	1.4	1.0								
G58.0	1.0	0.6								
G59.0	0.7	0.6								
G60.0	0.6	0.4								
G61.0	0.6	0.4								
G62.0	0.4	0.4								
G63.0	0.4	0.3								
G64.0	0.4	0.3								
G65.0	0.1	0.3								
G66.0	0.1	0.3								
G67.0	0.1	0.0								
G68.0	0.1	0.0								
G69.0	0.1	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: