

Report No.: 56.03520 Lanky Recessed  
Downlight

Test Time: 2024-09-30 14:44

## Luminaire Property

Luminaire Category:

Luminaire Description: LANKY 导轨灯线条长款 Voltage: 228.1 V

Current: 0.085 A

Power: 12.00 W

Power Factor: 0.618

## Photometric Results

CIE Class: Direct

Measurement Flux: 1025 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H57.1

Vertical Diffuse Angle(50%): V57.1

Luminaire Efficacy Rating (LER): 85

Max. Intensity: 1253.15 cd

Total Rated Lamp Lumens: 1025.0 lm

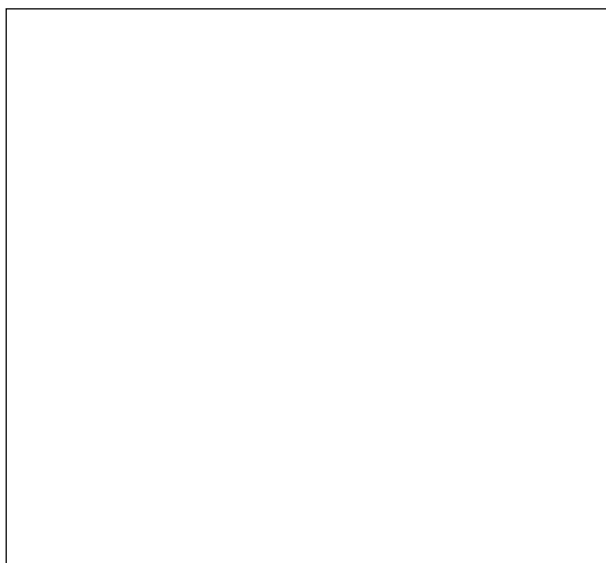
Efficiency: 100%

Upward Ratio: 0%

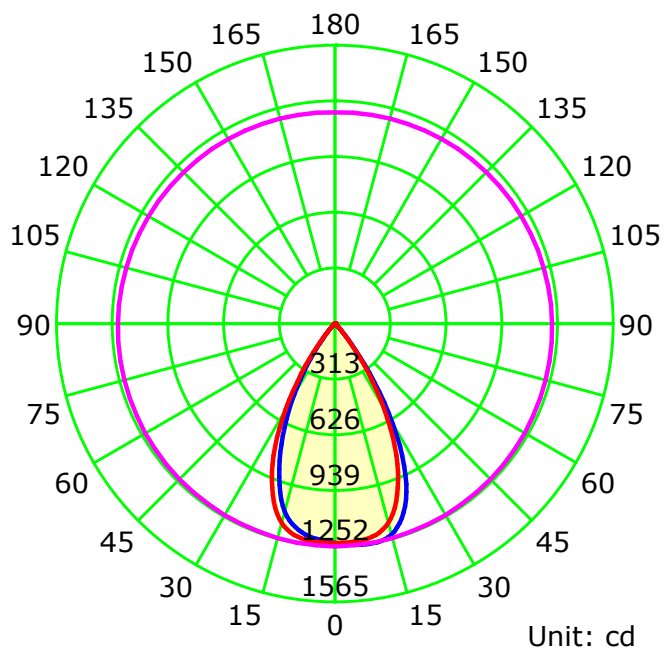
Central Intensity: 1233.65 cd

Pos of Max. Intensity: H0 V9

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G9

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

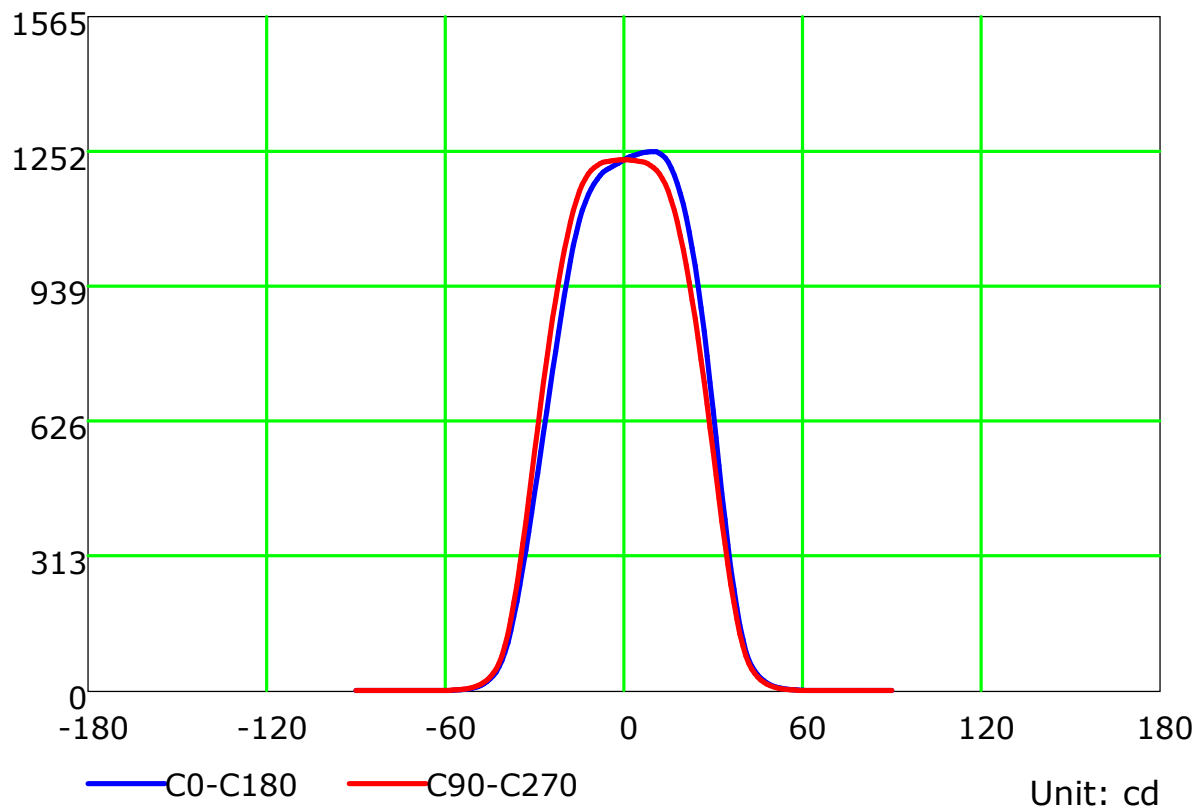
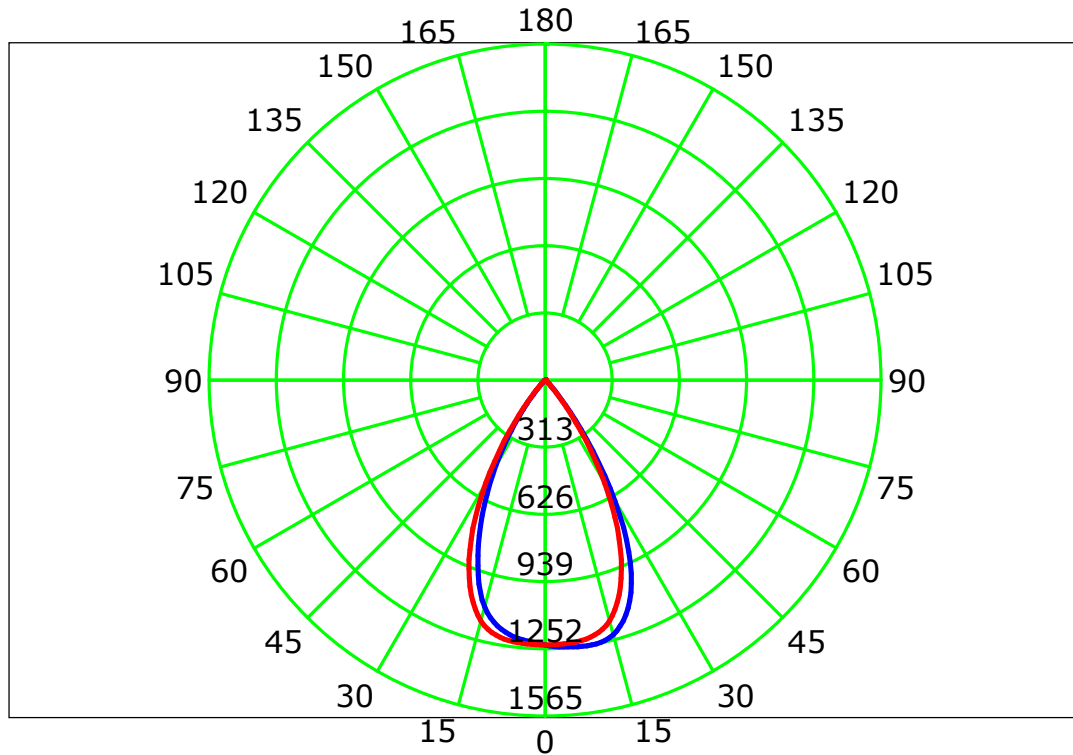
Test Device: CHL-6E

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

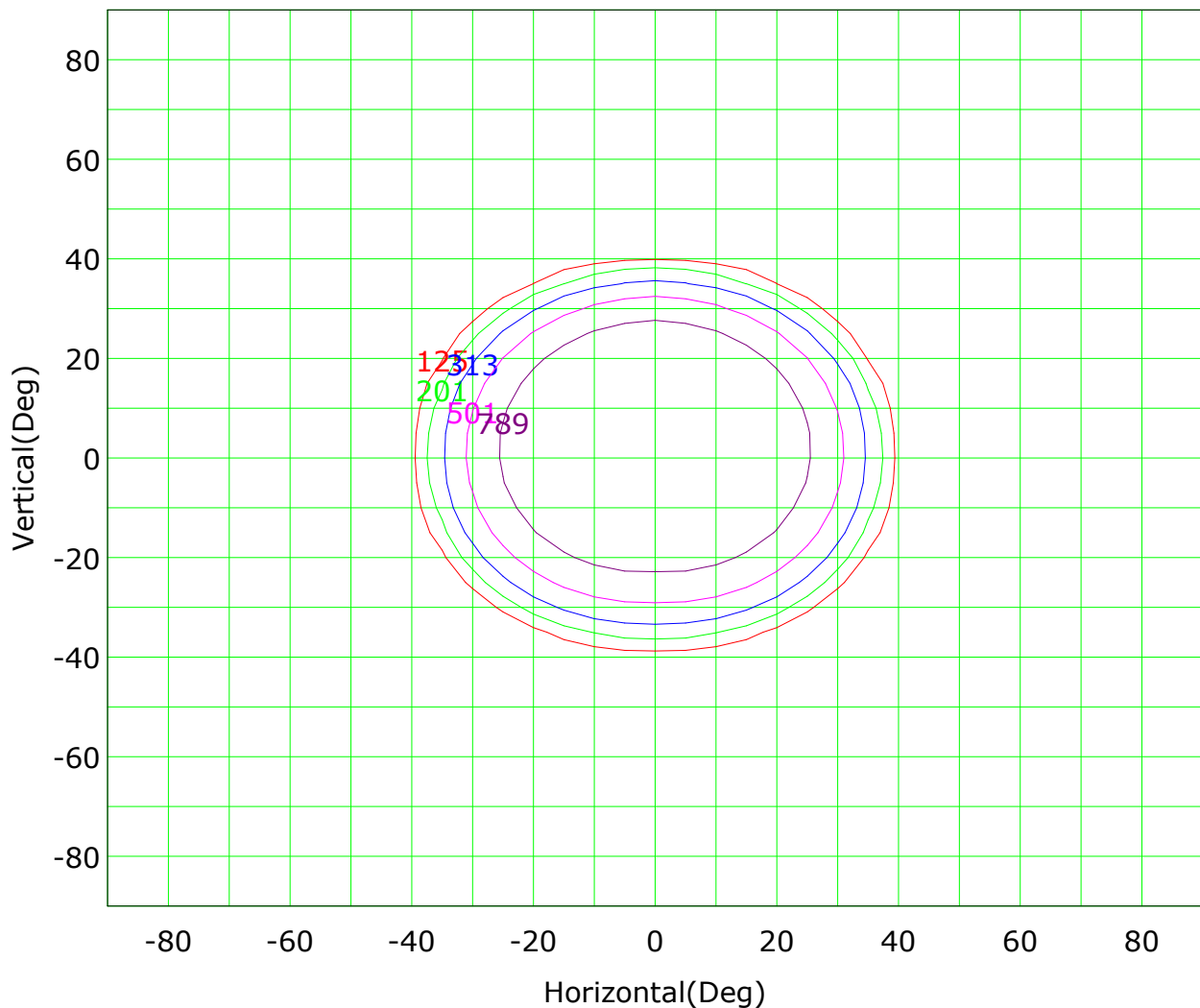
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 1253 cd

( 10%): 125 cd	( 16%): 201 cd
( 25%): 313 cd	( 40%): 501 cd
( 63%): 789 cd	(100%): 1253 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

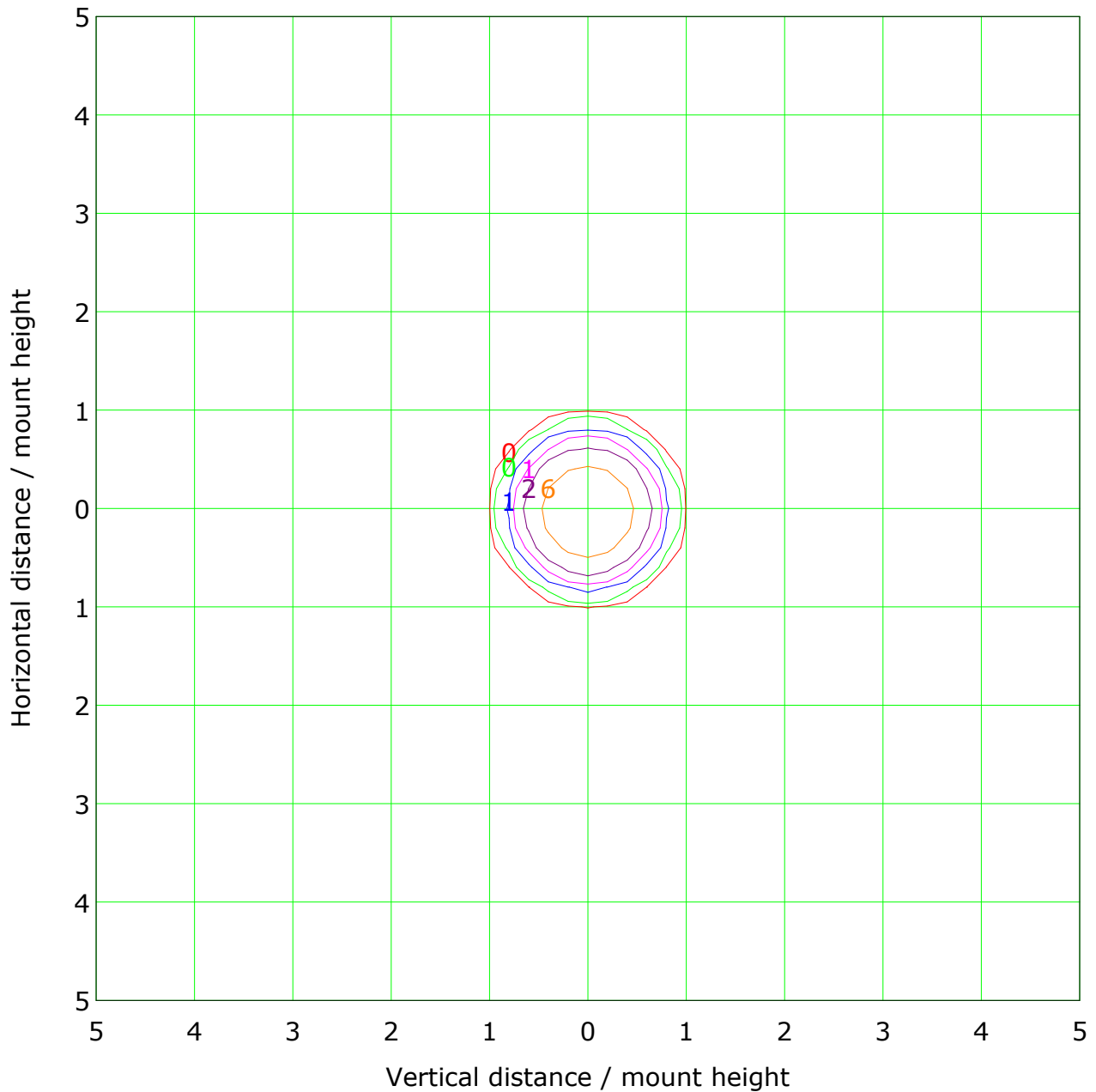
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

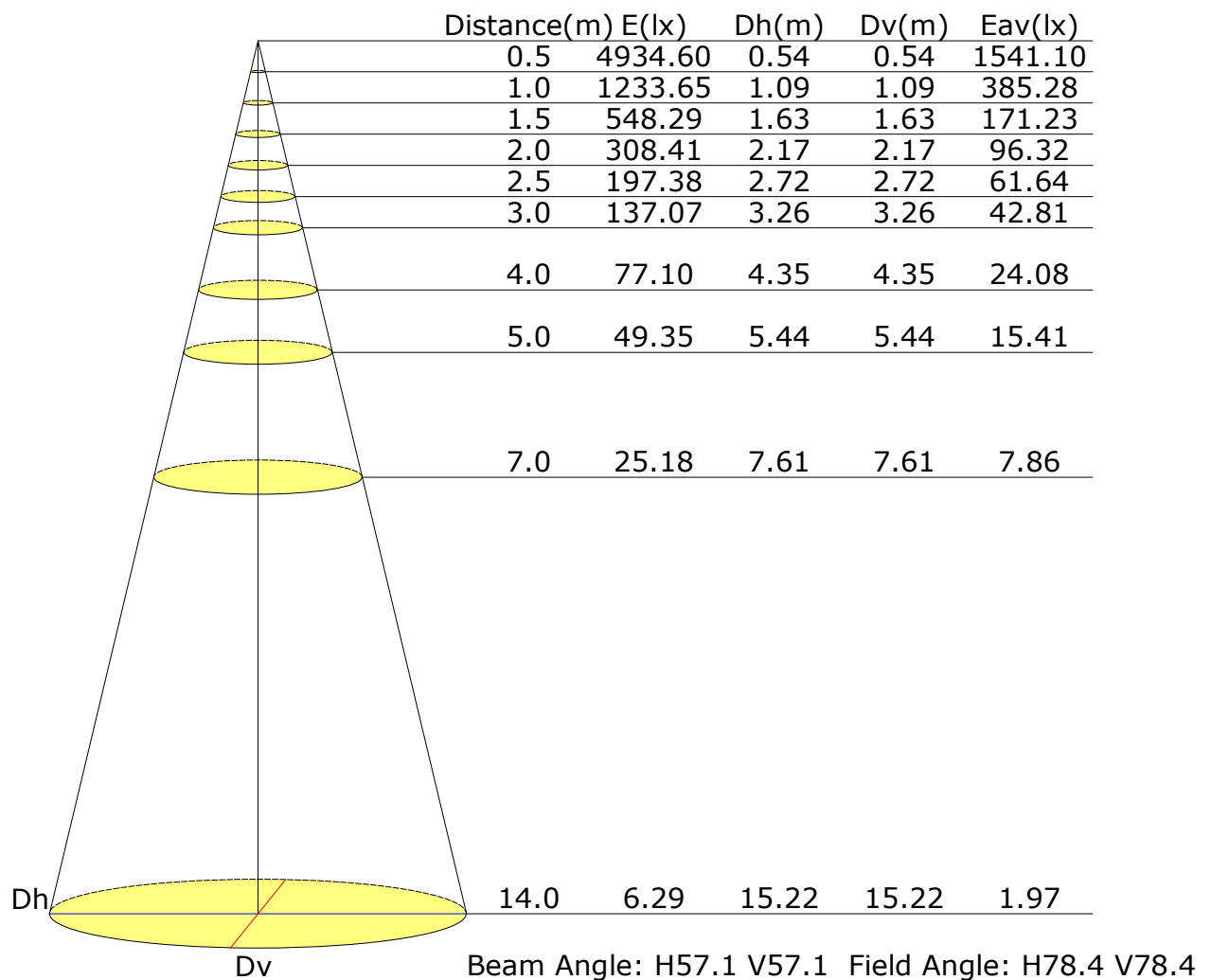


Mounting Height: 10m		Max Lux(100%): 12 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	1 lx	( 10%):	1 lx
( 20%):	2 lx	( 50%):	6 lx
(100%):	12 lx		

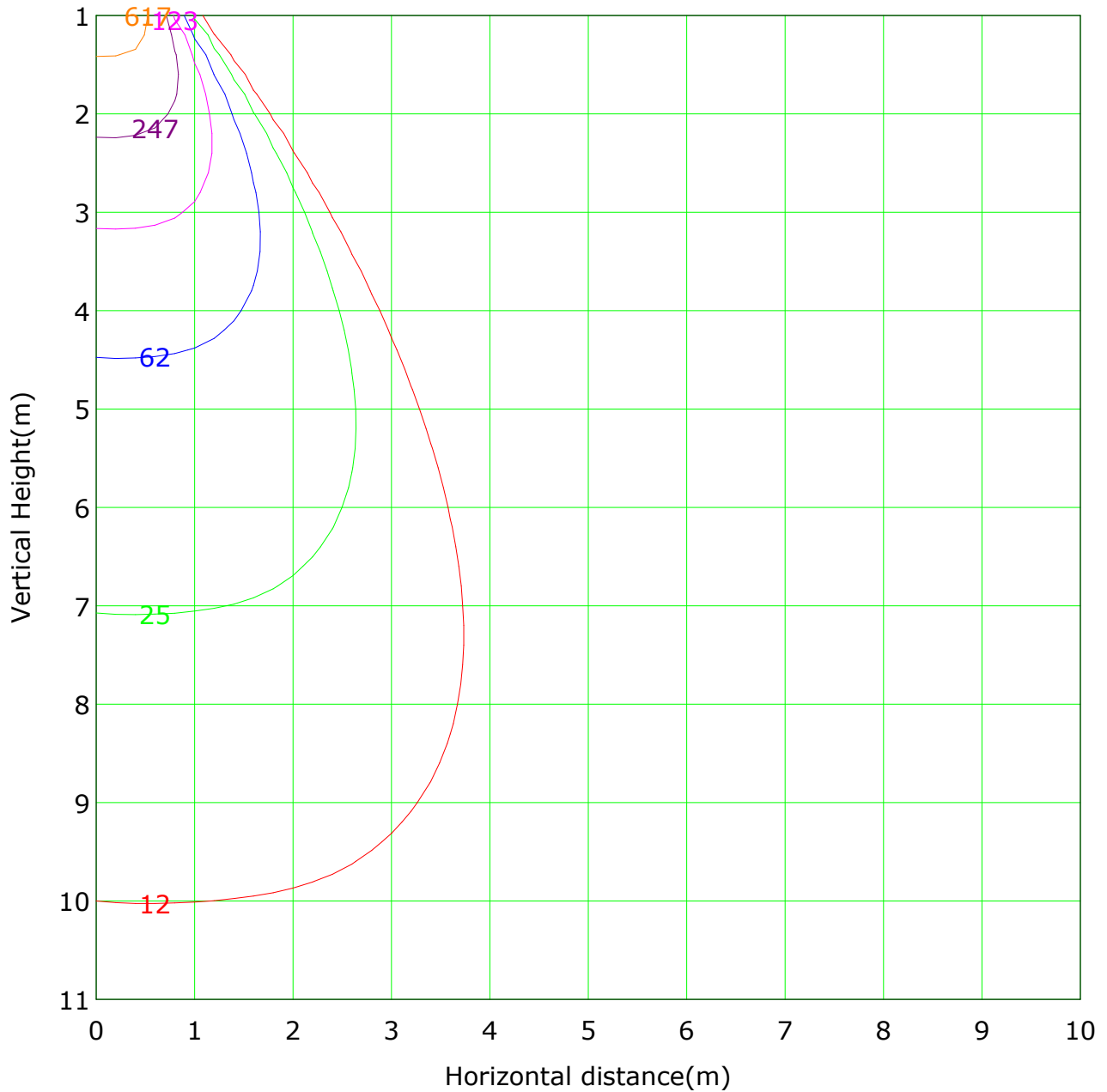
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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



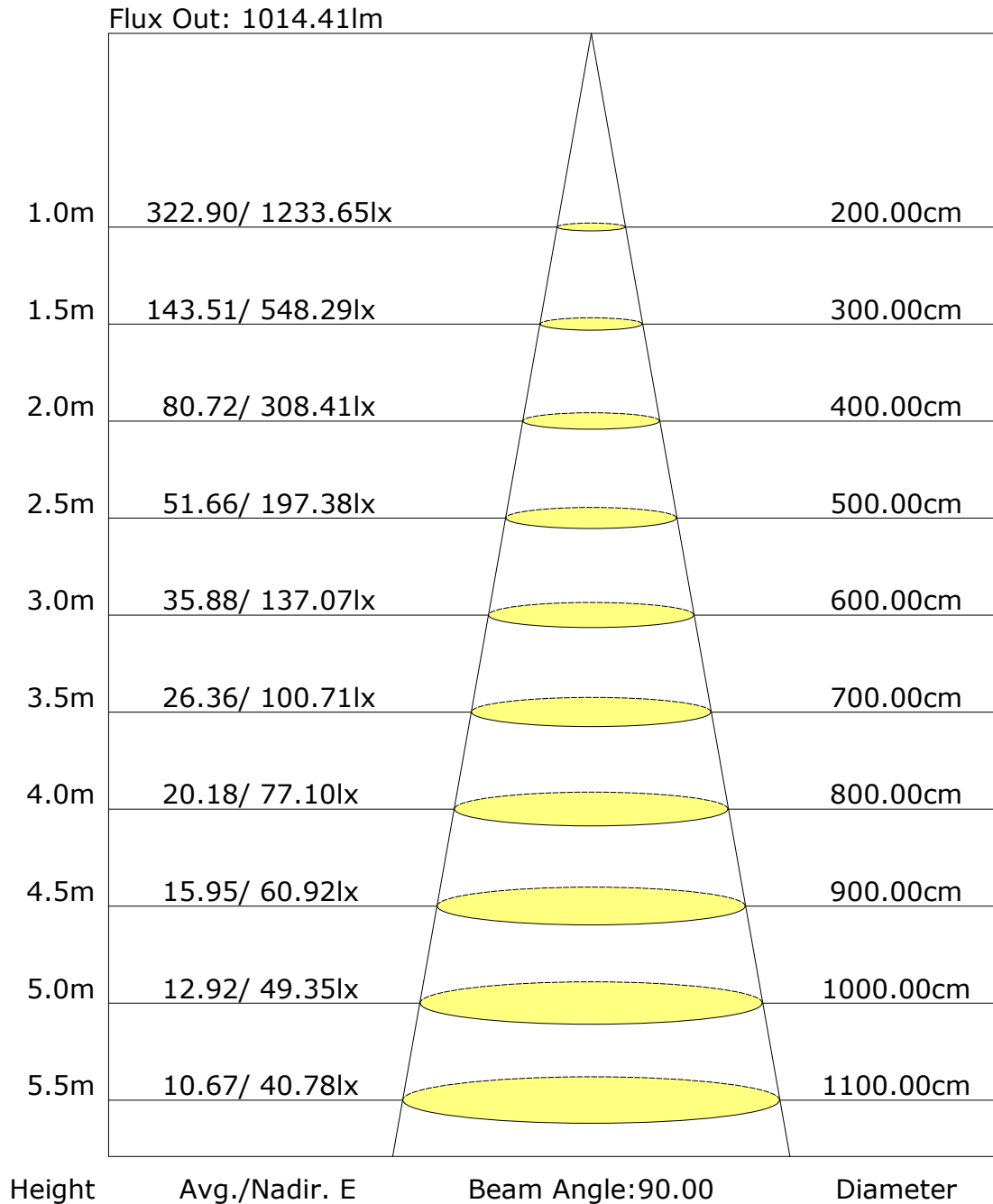
Lowest(m): 1m    Highest(m): 11    Max Lux: 1234

( 1%): 12 lx	( 2%): 25 lx
( 5%): 62 lx	( 10%): 123 lx
( 20%): 247 lx	( 50%): 617 lx
(100%): 1234 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	1233.8	1.2	1.2	0.12	0.12
1.0-2.0	1233.6	3.5	4.7	0.35	0.46
2.0-3.0	1232.9	5.9	10.6	0.58	1.04
3.0-4.0	1232.2	8.2	18.9	0.80	1.84
4.0-5.0	1231.2	10.6	29.5	1.03	2.87
5.0-6.0	1230.3	12.9	42.4	1.26	4.14
6.0-7.0	1228.9	15.3	57.6	1.49	5.62
7.0-8.0	1226.4	17.6	75.2	1.71	7.34
8.0-9.0	1223.0	19.8	95.0	1.93	9.27
9.0-10.0	1218.4	22.1	117.1	2.15	11.42
10.0-11.0	1212.7	24.2	141.3	2.36	13.79
11.0-12.0	1205.4	26.4	167.7	2.57	16.36
12.0-13.0	1195.8	28.4	196.0	2.77	19.13
13.0-14.0	1183.8	30.3	226.4	2.96	22.08
14.0-15.0	1168.9	32.1	258.4	3.13	25.21
15.0-16.0	1150.3	33.7	292.2	3.29	28.50
16.0-17.0	1128.0	35.1	327.3	3.43	31.93
17.0-18.0	1102.4	36.4	363.6	3.55	35.48
18.0-19.0	1073.4	37.3	401.0	3.64	39.12
19.0-20.0	1041.2	38.1	439.1	3.72	42.84
20.0-21.0	1006.4	38.6	477.8	3.77	46.61
21.0-22.0	969.2	39.0	516.7	3.80	50.41
22.0-23.0	929.3	39.0	555.7	3.80	54.22
23.0-24.0	886.7	38.8	594.5	3.78	58.00
24.0-25.0	841.4	38.3	632.7	3.73	61.73
25.0-26.0	793.7	37.5	670.2	3.66	65.39
26.0-27.0	743.7	36.4	706.6	3.55	68.94
27.0-28.0	691.8	35.0	741.6	3.42	72.35
28.0-29.0	638.2	33.4	775.0	3.26	75.61
29.0-30.0	583.3	31.5	806.5	3.07	78.69
30.0-31.0	528.5	29.4	835.9	2.87	81.56
31.0-32.0	474.0	27.2	863.1	2.65	84.20
32.0-33.0	419.8	24.7	887.8	2.41	86.62
33.0-34.0	367.1	22.2	910.0	2.17	88.79
34.0-35.0	316.6	19.7	929.7	1.92	90.70
35.0-36.0	268.8	17.1	946.8	1.67	92.37

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	224.9	14.7	961.5	1.43	93.81
37.0-38.0	185.1	12.4	973.9	1.21	95.01
38.0-39.0	149.2	10.2	984.0	0.99	96.00
39.0-40.0	117.8	8.2	992.3	0.80	96.81
40.0-41.0	92.1	6.6	998.8	0.64	97.45
41.0-42.0	72.0	5.2	1004.0	0.51	97.96
42.0-43.0	56.8	4.2	1008.2	0.41	98.37
43.0-44.0	45.1	3.4	1011.7	0.33	98.70
44.0-45.0	35.8	2.8	1014.4	0.27	98.97
45.0-46.0	28.4	2.2	1016.6	0.22	99.18
46.0-47.0	22.3	1.8	1018.4	0.17	99.36
47.0-48.0	17.4	1.4	1019.8	0.14	99.50
48.0-49.0	13.6	1.1	1020.9	0.11	99.60
49.0-50.0	10.5	0.9	1021.8	0.09	99.69
50.0-51.0	8.1	0.7	1022.5	0.07	99.76
51.0-52.0	6.3	0.5	1023.0	0.05	99.81
52.0-53.0	4.9	0.4	1023.5	0.04	99.85
53.0-54.0	3.9	0.3	1023.8	0.03	99.88
54.0-55.0	3.0	0.3	1024.1	0.03	99.91
55.0-56.0	2.4	0.2	1024.3	0.02	99.93
56.0-57.0	1.8	0.2	1024.5	0.02	99.95
57.0-58.0	1.3	0.1	1024.6	0.01	99.96
58.0-59.0	0.9	0.1	1024.7	0.01	99.97
59.0-60.0	0.7	0.1	1024.7	0.01	99.97
60.0-61.0	0.6	0.1	1024.8	0.01	99.98
61.0-62.0	0.5	0.0	1024.8	0.00	99.98
62.0-63.0	0.4	0.0	1024.9	0.00	99.99
63.0-64.0	0.3	0.0	1024.9	0.00	99.99
64.0-65.0	0.3	0.0	1024.9	0.00	99.99
65.0-66.0	0.3	0.0	1024.9	0.00	100.00
66.0-67.0	0.2	0.0	1025.0	0.00	100.00
67.0-68.0	0.1	0.0	1025.0	0.00	100.00
68.0-69.0	0.1	0.0	1025.0	0.00	100.00
69.0-70.0	0.1	0.0	1025.0	0.00	100.00
70.0-71.0	0.0	0.0	1025.0	0.00	100.00
71.0-72.0	0.0	0.0	1025.0	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	1233.7	1233.7								
G1.0	1238.0	1230.1								
G2.0	1241.0	1225.3								
G3.0	1243.5	1222.0								
G4.0	1245.2	1218.1								
G5.0	1247.3	1214.0								
G6.0	1249.7	1210.2								
G7.0	1251.0	1204.8								
G8.0	1251.9	1197.9								
G9.0	1253.1	1189.0								
G10.0	1252.9	1178.7								
G11.0	1252.6	1166.7								
G12.0	1249.3	1152.8								
G13.0	1244.7	1136.2								
G14.0	1237.8	1116.6								
G15.0	1227.9	1093.2								
G16.0	1214.7	1065.3								
G17.0	1197.5	1034.5								
G18.0	1178.5	999.1								
G19.0	1155.8	960.0								
G20.0	1130.0	918.8								
G21.0	1100.2	876.5								
G22.0	1066.7	833.4								
G23.0	1028.9	788.2								
G24.0	986.8	742.7								
G25.0	940.5	695.7								
G26.0	890.4	648.2								
G27.0	835.8	600.4								
G28.0	778.0	553.1								
G29.0	716.0	505.8								
G30.0	652.3	459.2								
G31.0	588.5	413.9								
G32.0	523.8	369.7								
G33.0	459.1	326.5								
G34.0	398.6	284.3								
G35.0	339.0	244.4								
G36.0	284.8	206.8								

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	236.1	171.7								
G38.0	192.7	139.8								
G39.0	152.8	111.4								
G40.0	119.2	88.0								
G41.0	91.5	69.5								
G42.0	71.5	55.4								
G43.0	57.4	43.1								
G44.0	45.9	33.9								
G45.0	36.8	26.8								
G46.0	29.3	20.9								
G47.0	23.2	16.0								
G48.0	18.1	12.4								
G49.0	14.3	9.6								
G50.0	10.9	7.3								
G51.0	8.6	5.6								
G52.0	6.7	4.2								
G53.0	5.2	3.5								
G54.0	4.2	2.6								
G55.0	3.2	2.0								
G56.0	2.6	1.6								
G57.0	2.0	1.0								
G58.0	1.6	0.6								
G59.0	1.0	0.4								
G60.0	0.9	0.4								
G61.0	0.6	0.4								
G62.0	0.6	0.3								
G63.0	0.4	0.3								
G64.0	0.4	0.3								
G65.0	0.4	0.3								
G66.0	0.4	0.3								
G67.0	0.1	0.1								
G68.0	0.1	0.0								
G69.0	0.1	0.0								
G70.0	0.1	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: