

Report No.: 56.03519 Lanky Recessed  
Downlight

Test Time: 2024-09-15 11:01

## Luminaire Property

Luminaire Category:

Luminaire Description: LAINKY 导轨灯 25 - 15Voltage: 224.6 V

Current: 0.066 A

Power: 8.90 W

Power Factor: 0.602

## Photometric Results

CIE Class: Direct

Measurement Flux: 420.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.2

Vertical Diffuse Angle(50%): V20.2

Luminaire Efficacy Rating (LER): 47

Max. Intensity: 3002.99 cd

Total Rated Lamp Lumens: 420.7 lm

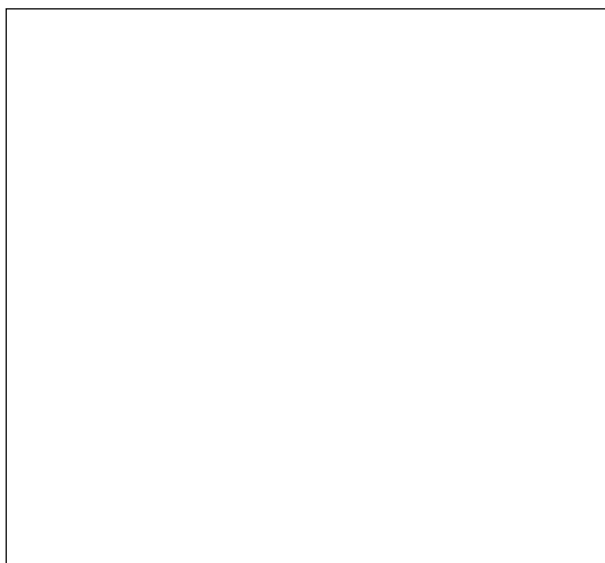
Efficiency: 100%

Upward Ratio: 0%

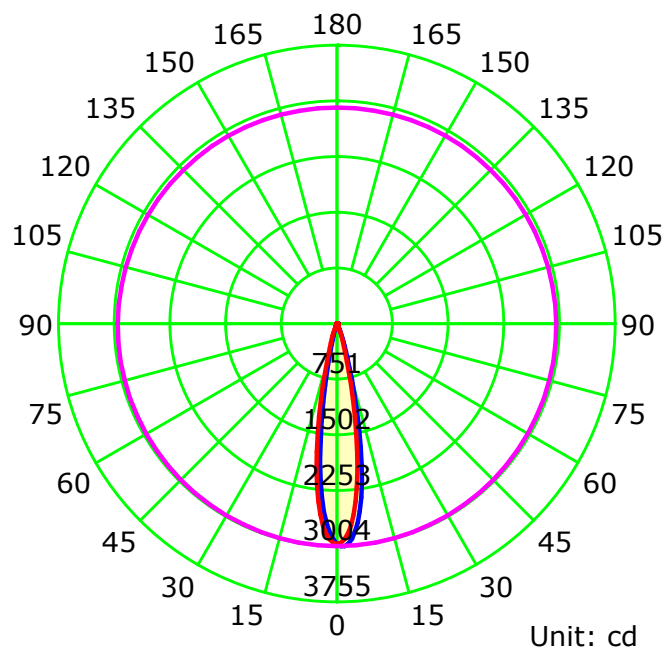
Central Intensity: 2973.2 cd

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

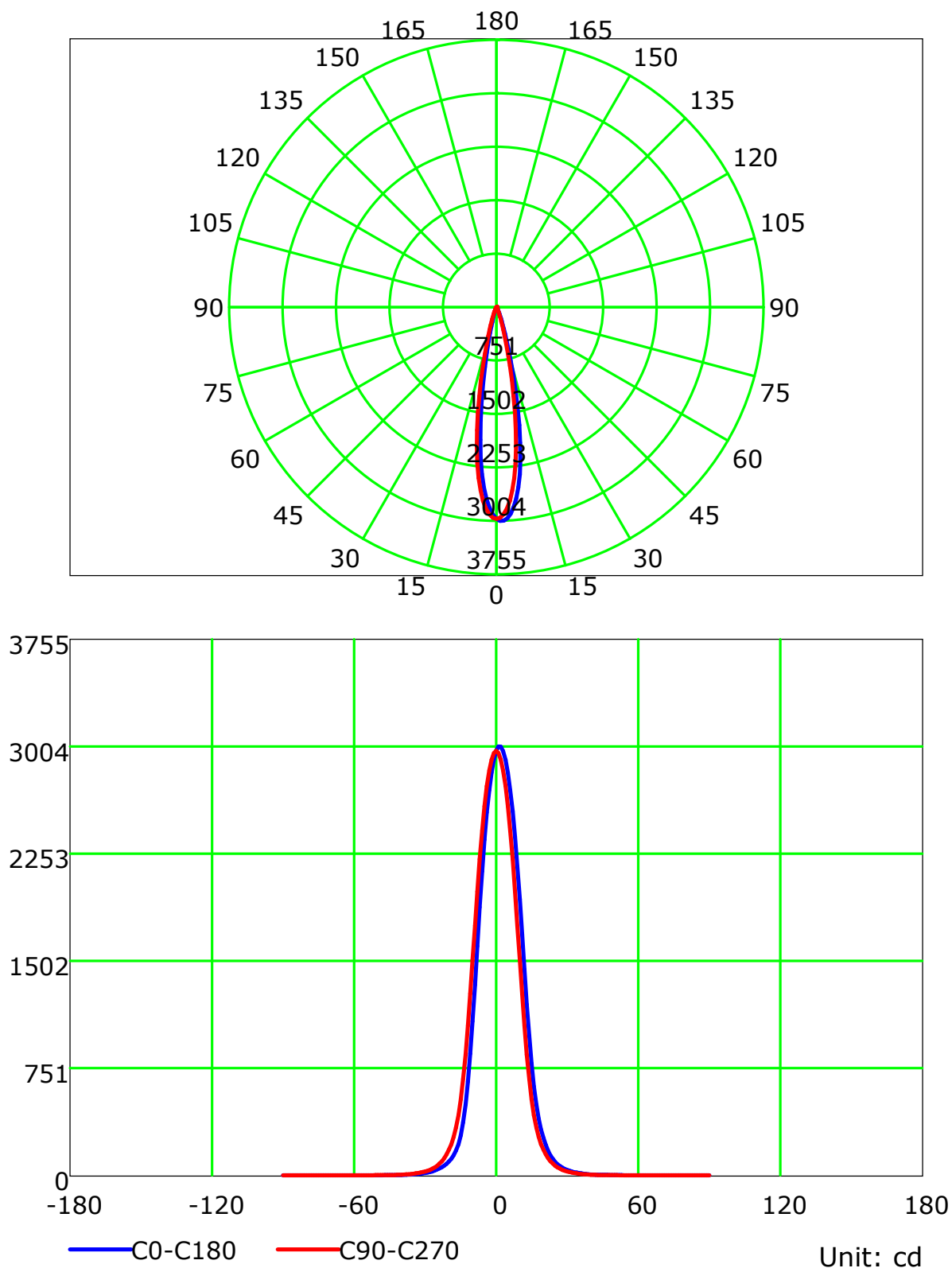
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

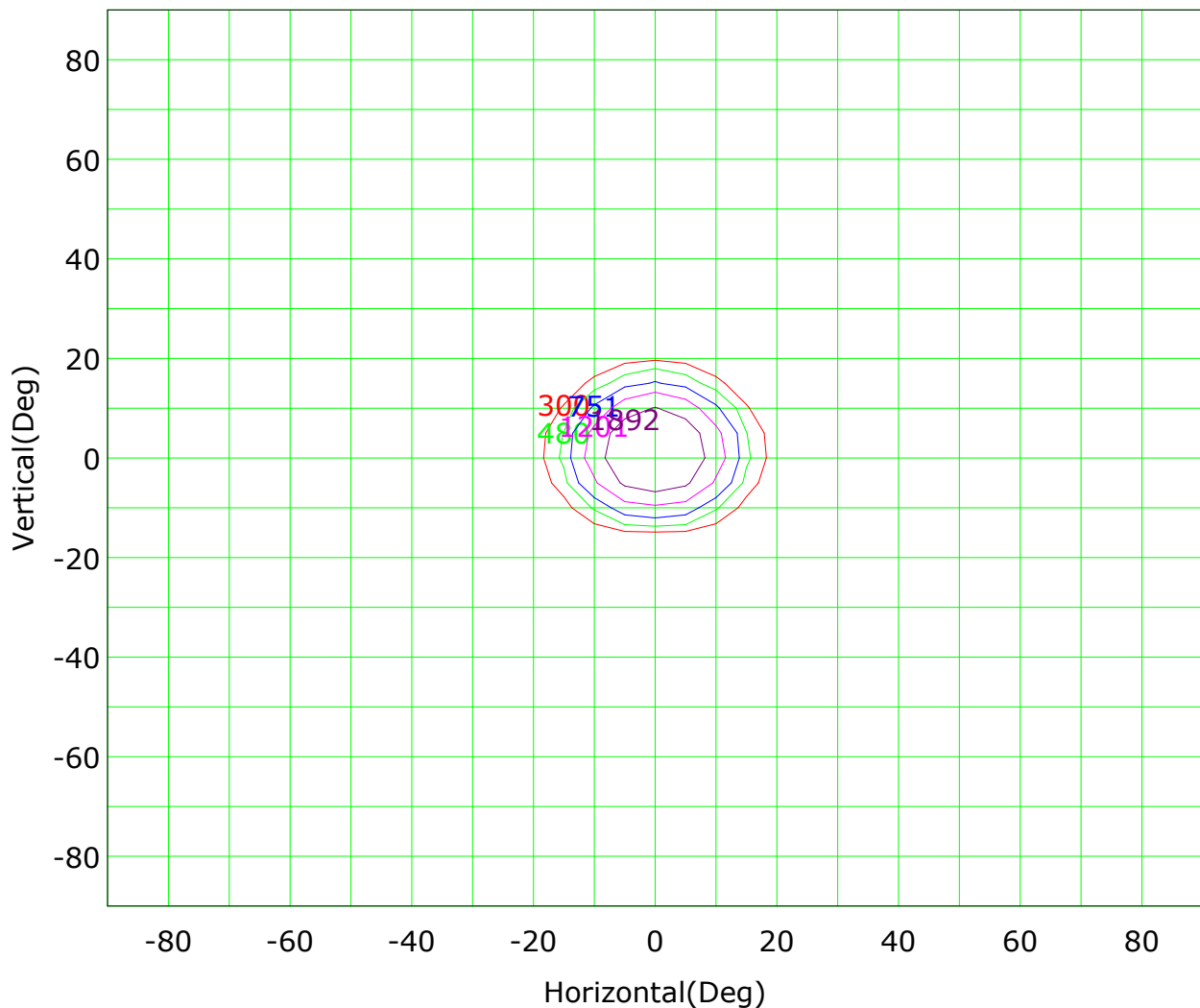
## Luminous Intensity Distribution Curve



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%): 3003 cd

( 10%): 300 cd	( 16%): 480 cd
( 25%): 751 cd	( 40%): 1201 cd
( 63%): 1892 cd	(100%): 3003 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

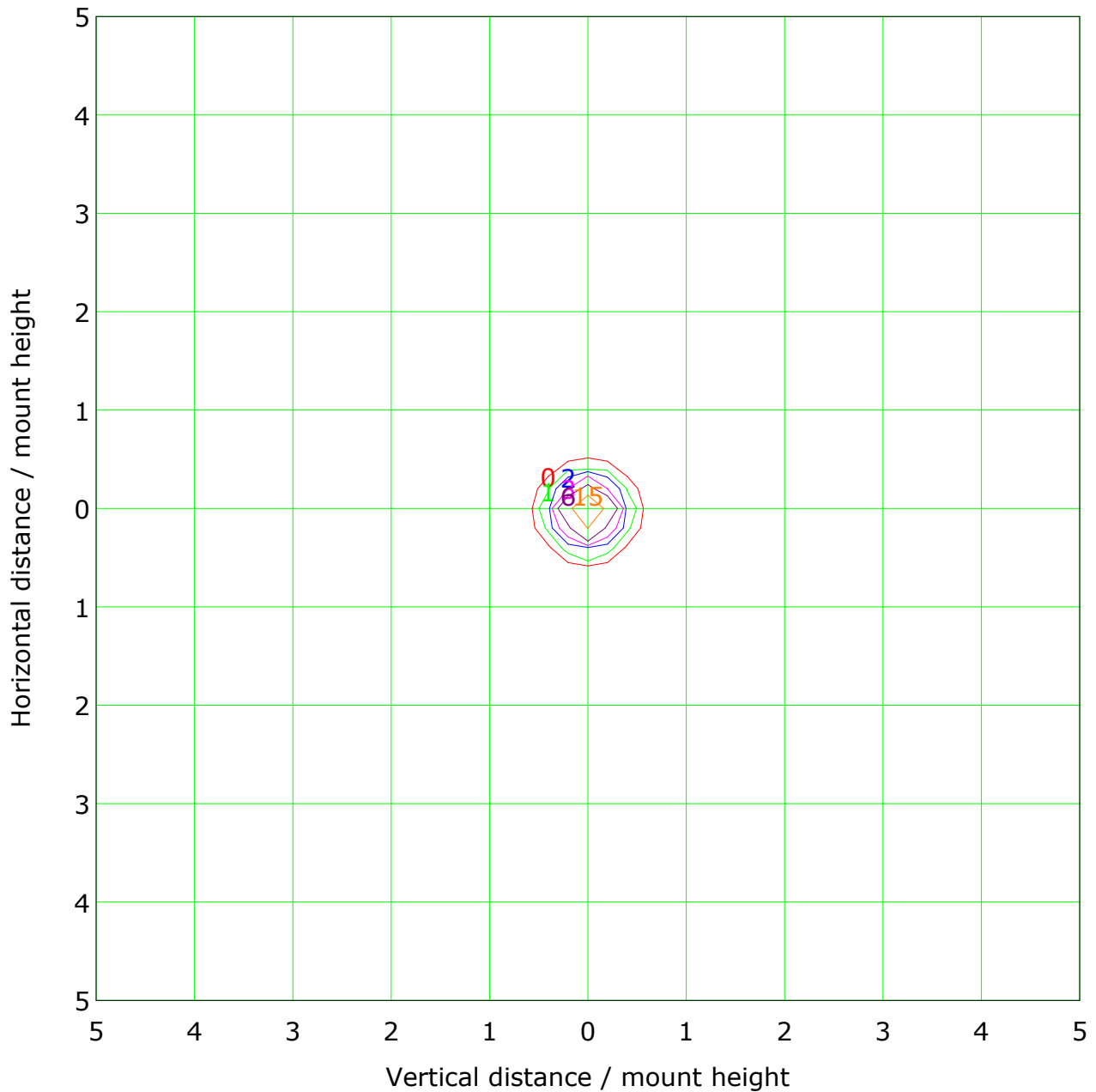
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 30 lx			
— ( 1%):	0 lx	— ( 2%):	1 lx
— ( 5%):	2 lx	— ( 10%):	3 lx
— ( 20%):	6 lx	— ( 50%):	15 lx
— (100%):	30 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

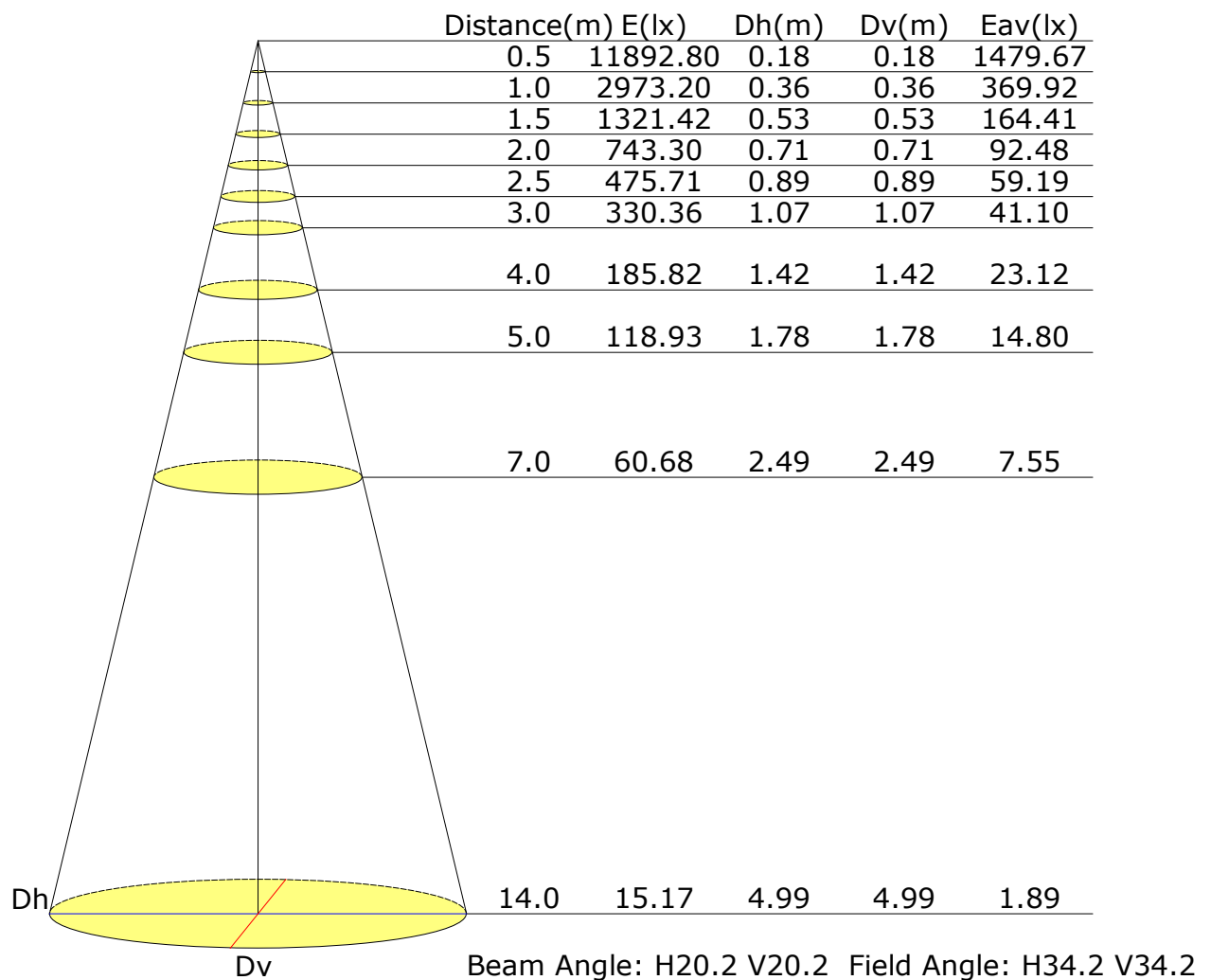
Test Device: CHL-6E

Distance: 3.328 m

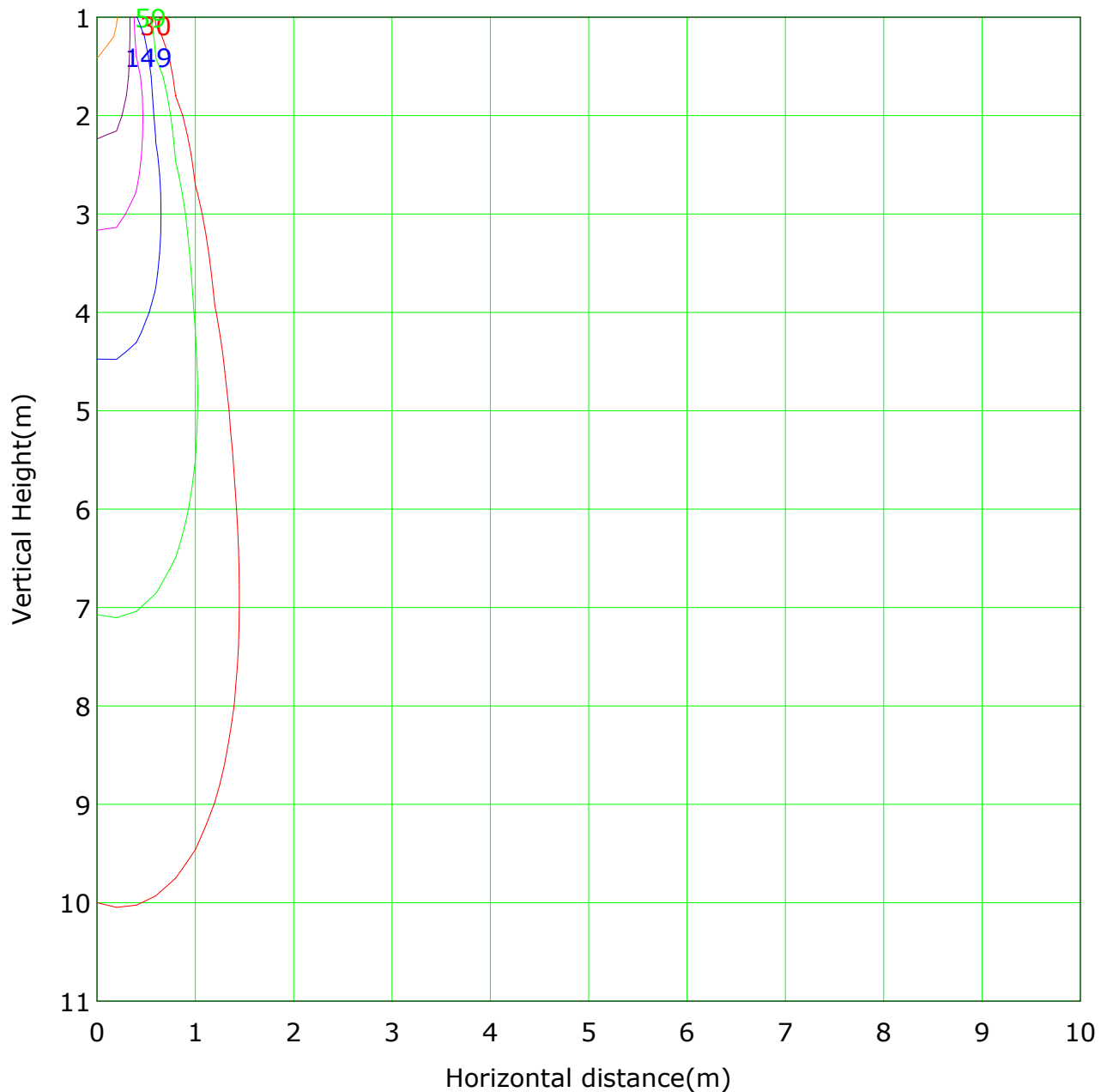
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot

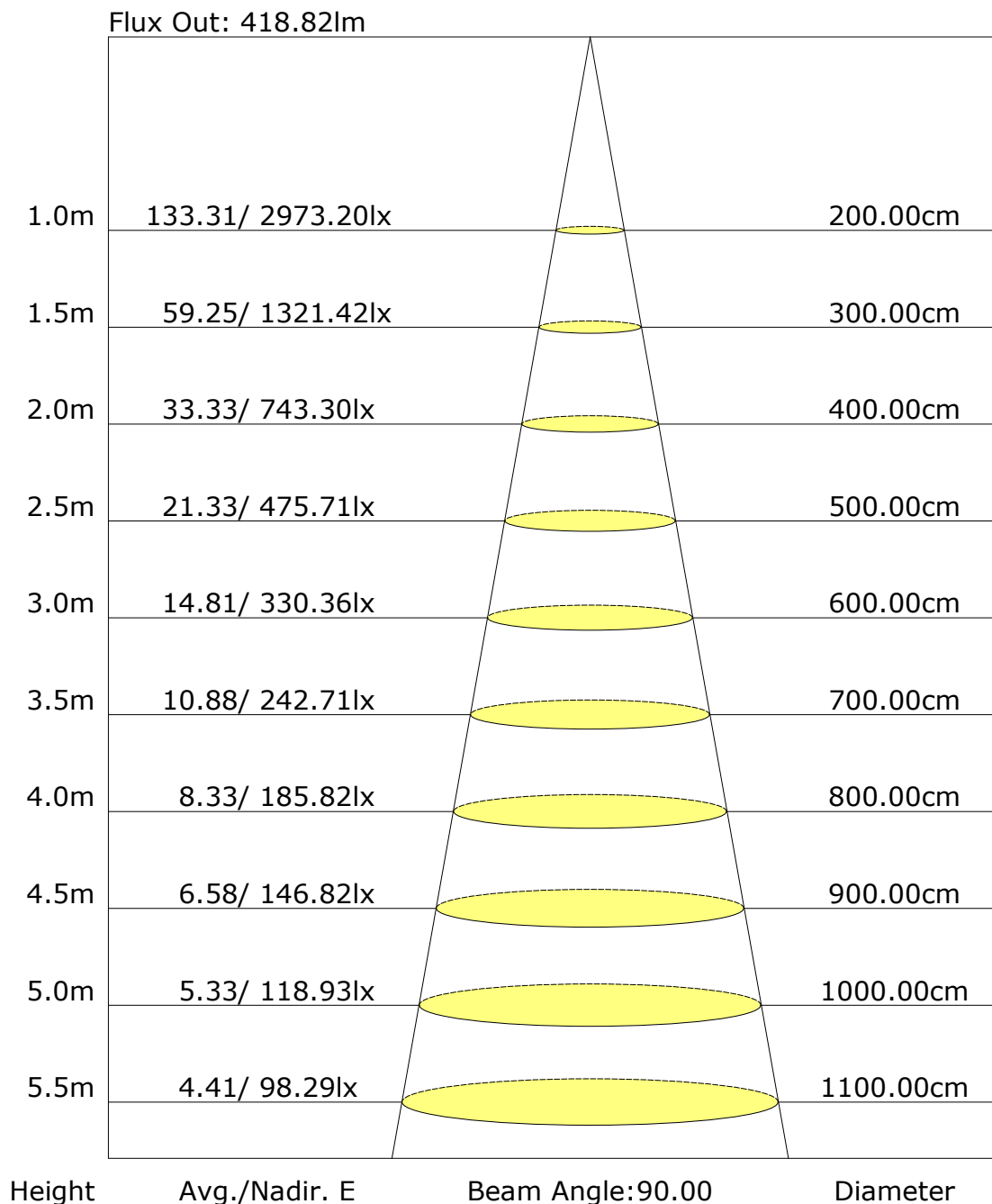


Lowest(m): 1m    Highest(m): 11    Max Lux: 2973	
( 1%):    30 lx	( 2%):    59 lx
( 5%):    149 lx	( 10%):    297 lx
( 20%):    595 lx	( 50%):    1487 lx
(100%):    2973 lx	

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	2965.8	2.8	2.8	0.67	0.67
1.0-2.0	2935.0	8.4	11.3	2.00	2.68
2.0-3.0	2873.6	13.7	25.0	3.27	5.94
3.0-4.0	2780.9	18.6	43.6	4.43	10.37
4.0-5.0	2655.5	22.8	66.5	5.43	15.80
5.0-6.0	2499.2	26.3	92.7	6.24	22.04
6.0-7.0	2313.5	28.7	121.5	6.83	28.87
7.0-8.0	2100.8	30.1	151.5	7.15	36.02
8.0-9.0	1868.8	30.3	181.8	7.20	43.22
9.0-10.0	1628.3	29.5	211.3	7.00	50.22
10.0-11.0	1389.4	27.8	239.1	6.60	56.82
11.0-12.0	1160.5	25.4	264.4	6.03	62.85
12.0-13.0	948.2	22.5	286.9	5.35	68.20
13.0-14.0	760.6	19.5	306.4	4.63	72.83
14.0-15.0	603.5	16.6	323.0	3.94	76.77
15.0-16.0	477.0	14.0	337.0	3.32	80.09
16.0-17.0	377.6	11.8	348.7	2.80	82.89
17.0-18.0	301.7	9.9	358.7	2.36	85.25
18.0-19.0	244.1	8.5	367.2	2.02	87.27
19.0-20.0	199.0	7.3	374.4	1.73	89.00
20.0-21.0	163.0	6.3	380.7	1.49	90.49
21.0-22.0	133.8	5.4	386.1	1.28	91.77
22.0-23.0	110.0	4.6	390.7	1.10	92.87
23.0-24.0	90.7	4.0	394.7	0.94	93.81
24.0-25.0	74.9	3.4	398.1	0.81	94.62
25.0-26.0	61.9	2.9	401.0	0.69	95.31
26.0-27.0	51.4	2.5	403.5	0.60	95.91
27.0-28.0	43.0	2.2	405.7	0.52	96.43
28.0-29.0	36.0	1.9	407.6	0.45	96.88
29.0-30.0	30.1	1.6	409.2	0.39	97.26
30.0-31.0	25.4	1.4	410.6	0.34	97.60
31.0-32.0	21.5	1.2	411.8	0.29	97.89
32.0-33.0	18.3	1.1	412.9	0.26	98.15
33.0-34.0	15.6	0.9	413.9	0.23	98.37
34.0-35.0	13.3	0.8	414.7	0.20	98.57
35.0-36.0	11.3	0.7	415.4	0.17	98.74

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	9.5	0.6	416.0	0.15	98.89
37.0-38.0	7.9	0.5	416.6	0.13	99.01
38.0-39.0	6.7	0.5	417.0	0.11	99.12
39.0-40.0	5.6	0.4	417.4	0.09	99.21
40.0-41.0	4.7	0.3	417.7	0.08	99.29
41.0-42.0	4.2	0.3	418.0	0.07	99.37
42.0-43.0	3.7	0.3	418.3	0.07	99.43
43.0-44.0	3.4	0.3	418.6	0.06	99.49
44.0-45.0	3.2	0.2	418.8	0.06	99.55
45.0-46.0	3.1	0.2	419.1	0.06	99.61
46.0-47.0	2.9	0.2	419.3	0.06	99.67
47.0-48.0	2.6	0.2	419.5	0.05	99.72
48.0-49.0	2.3	0.2	419.7	0.04	99.76
49.0-50.0	2.1	0.2	419.9	0.04	99.80
50.0-51.0	2.0	0.2	420.0	0.04	99.84
51.0-52.0	1.7	0.1	420.2	0.04	99.88
52.0-53.0	1.5	0.1	420.3	0.03	99.91
53.0-54.0	1.3	0.1	420.4	0.03	99.94
54.0-55.0	1.0	0.1	420.5	0.02	99.96
55.0-56.0	0.7	0.1	420.6	0.02	99.97
56.0-57.0	0.5	0.0	420.6	0.01	99.98
57.0-58.0	0.3	0.0	420.7	0.01	99.99
58.0-59.0	0.2	0.0	420.7	0.00	99.99
59.0-60.0	0.1	0.0	420.7	0.00	100.00
60.0-61.0	0.1	0.0	420.7	0.00	100.00
61.0-62.0	0.0	0.0	420.7	0.00	100.00
62.0-63.0	0.0	0.0	420.7	0.00	100.00
63.0-64.0	0.0	0.0	420.7	0.00	100.00
64.0-65.0	0.0	0.0	420.7	0.00	100.00
65.0-66.0	0.0	0.0	420.7	0.00	100.00
66.0-67.0	0.0	0.0	420.7	0.00	100.00
67.0-68.0	0.0	0.0	420.7	0.00	100.00
68.0-69.0	0.0	0.0	420.7	0.00	100.00
69.0-70.0	0.0	0.0	420.7	0.00	100.00
70.0-71.0	0.0	0.0	420.7	0.00	100.00
71.0-72.0	0.0	0.0	420.7	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	2973.2	2973.2								
G1.0	3003.0	2913.6								
G2.0	3001.9	2821.5								
G3.0	2971.2	2699.8								
G4.0	2910.0	2542.5								
G5.0	2817.8	2351.7								
G6.0	2697.2	2130.0								
G7.0	2548.9	1878.0								
G8.0	2370.6	1605.7								
G9.0	2163.5	1335.2								
G10.0	1934.3	1080.0								
G11.0	1690.3	852.9								
G12.0	1441.1	657.7								
G13.0	1197.9	496.1								
G14.0	976.9	371.5								
G15.0	784.0	281.6								
G16.0	623.8	218.5								
G17.0	494.5	173.7								
G18.0	397.3	141.3								
G19.0	321.7	116.3								
G20.0	261.3	96.8								
G21.0	212.4	81.6								
G22.0	172.2	69.0								
G23.0	140.0	58.6								
G24.0	114.5	49.7								
G25.0	94.0	41.5								
G26.0	77.7	34.4								
G27.0	64.9	28.4								
G28.0	54.6	23.8								
G29.0	45.6	19.9								
G30.0	38.0	16.9								
G31.0	32.2	14.5								
G32.0	27.2	12.3								
G33.0	23.1	10.6								
G34.0	19.9	9.1								
G35.0	16.8	7.7								
G36.0	14.3	6.6								

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	11.8	5.5								
G38.0	9.8	4.7								
G39.0	8.1	4.1								
G40.0	6.7	3.3								
G41.0	5.7	3.2								
G42.0	4.8	2.9								
G43.0	4.5	2.6								
G44.0	4.1	2.5								
G45.0	4.1	2.2								
G46.0	4.0	2.2								
G47.0	3.7	1.9								
G48.0	3.2	1.6								
G49.0	3.0	1.4								
G50.0	3.0	1.1								
G51.0	2.6	1.1								
G52.0	2.2	1.0								
G53.0	2.0	0.9								
G54.0	1.6	0.6								
G55.0	1.4	0.4								
G56.0	1.0	0.1								
G57.0	0.9	0.1								
G58.0	0.4	0.0								
G59.0	0.3	0.0								
G60.0	0.3	0.0								
G61.0	0.1	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	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: