

Report No.:56.03519 Lanky Recessed
Downlight

Test Time: 2024-09-15 11:14

Luminaire Property

Luminaire Category:

Luminaire Description: LAINKY 导轨灯 25 - 24Voltage: 220.4 V

Current: 0.068 A

Power: 8.90 W

Power Factor: 0.587

Photometric Results

CIE Class: Direct

Measurement Flux: 464.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.7

Vertical Diffuse Angle(50%): V24.7

Luminaire Efficacy Rating (LER): 52

Max. Intensity: 2256.38 cd

Total Rated Lamp Lumens: 464.7 lm

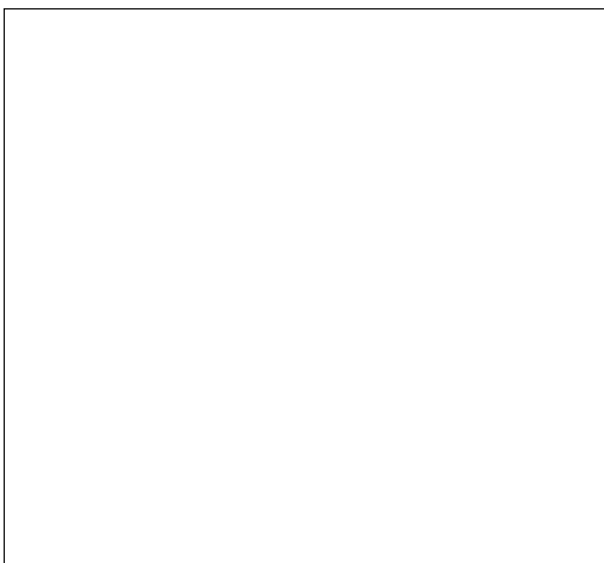
Efficiency: 100%

Upward Ratio: 0%

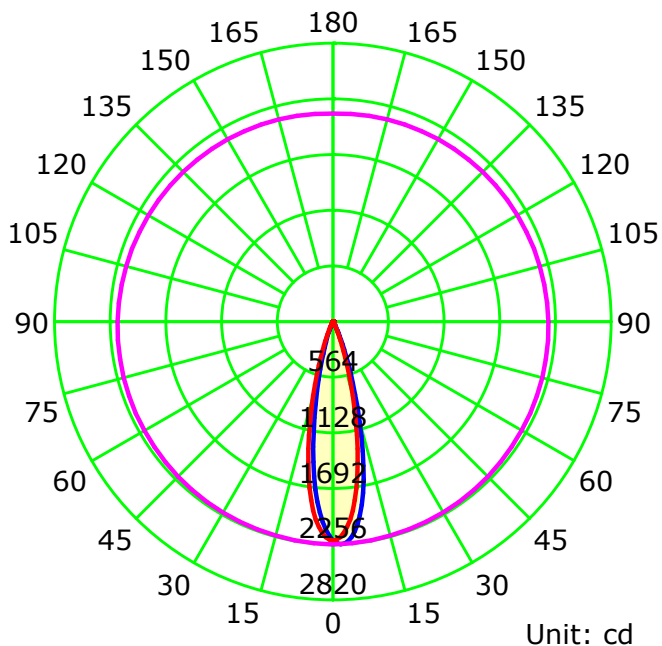
Central Intensity: 2217.27 cd

Pos of Max. Intensity: H0 V2

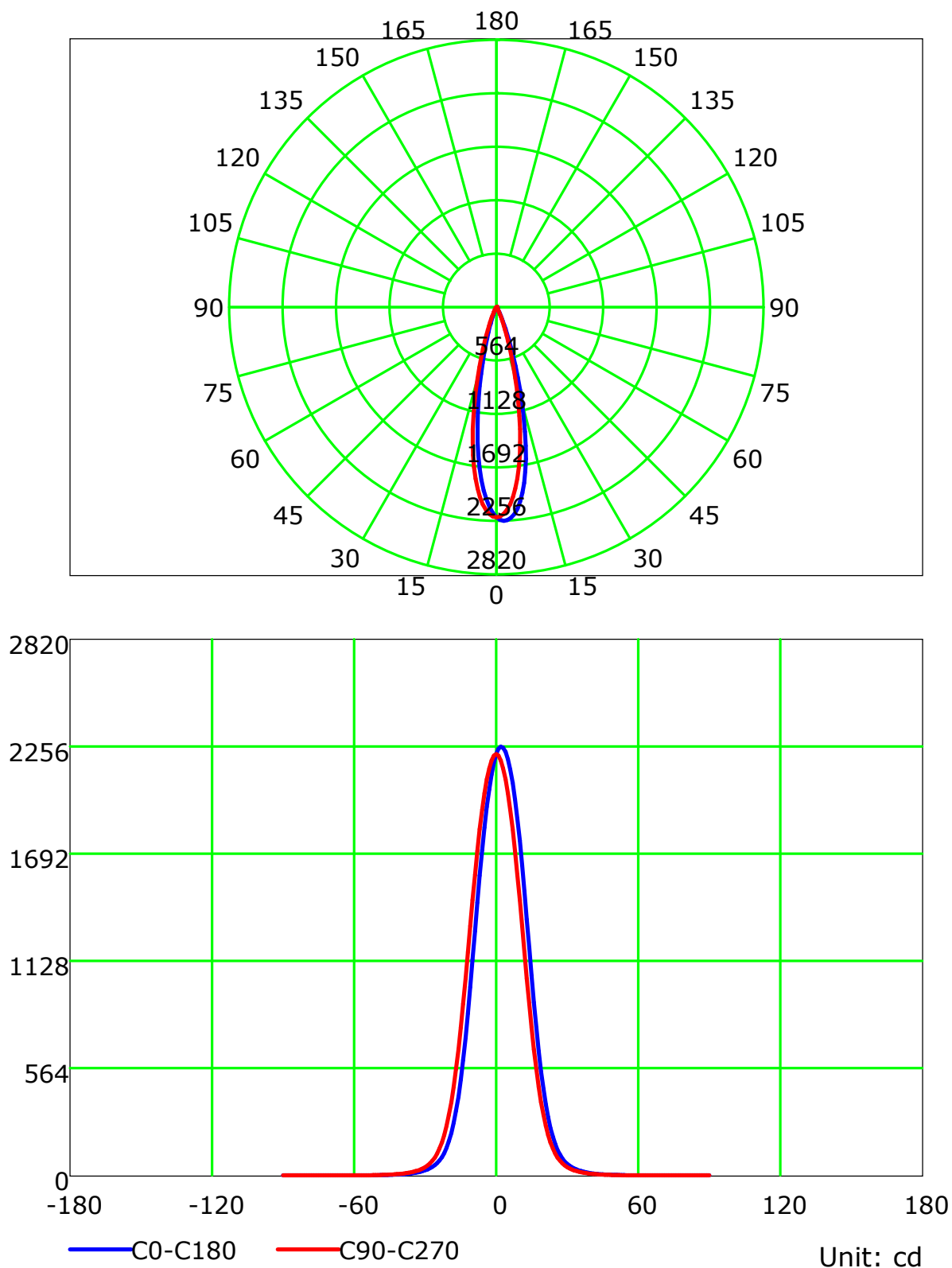
Picture Of Luminaire



Luminous Intensity Distribution Curve



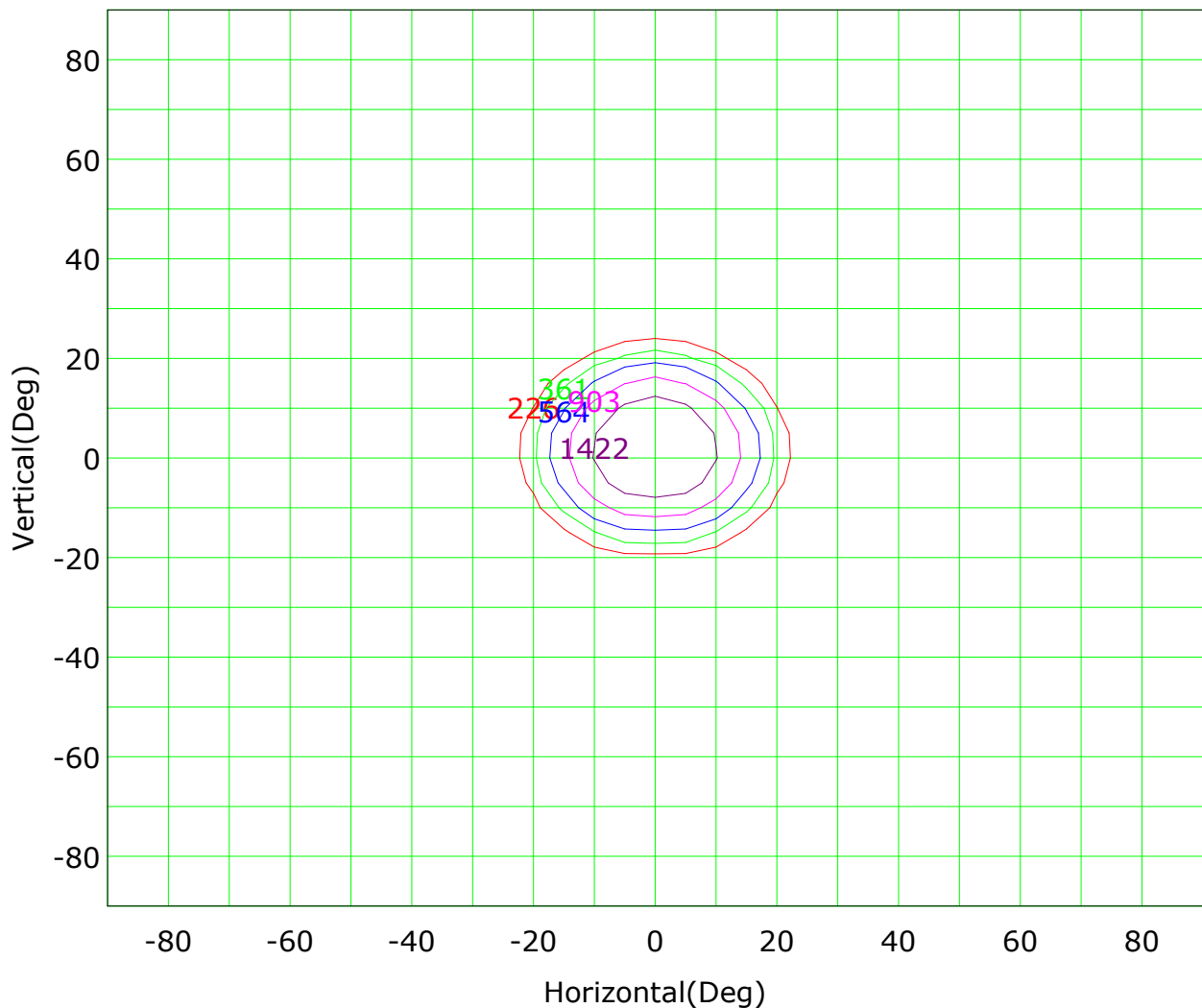
Luminous Intensity Distribution Curve



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%): 2256 cd

(10%): 226 cd	(16%): 361 cd
(25%): 564 cd	(40%): 903 cd
(63%): 1422 cd	(100%): 2256 cd

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Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

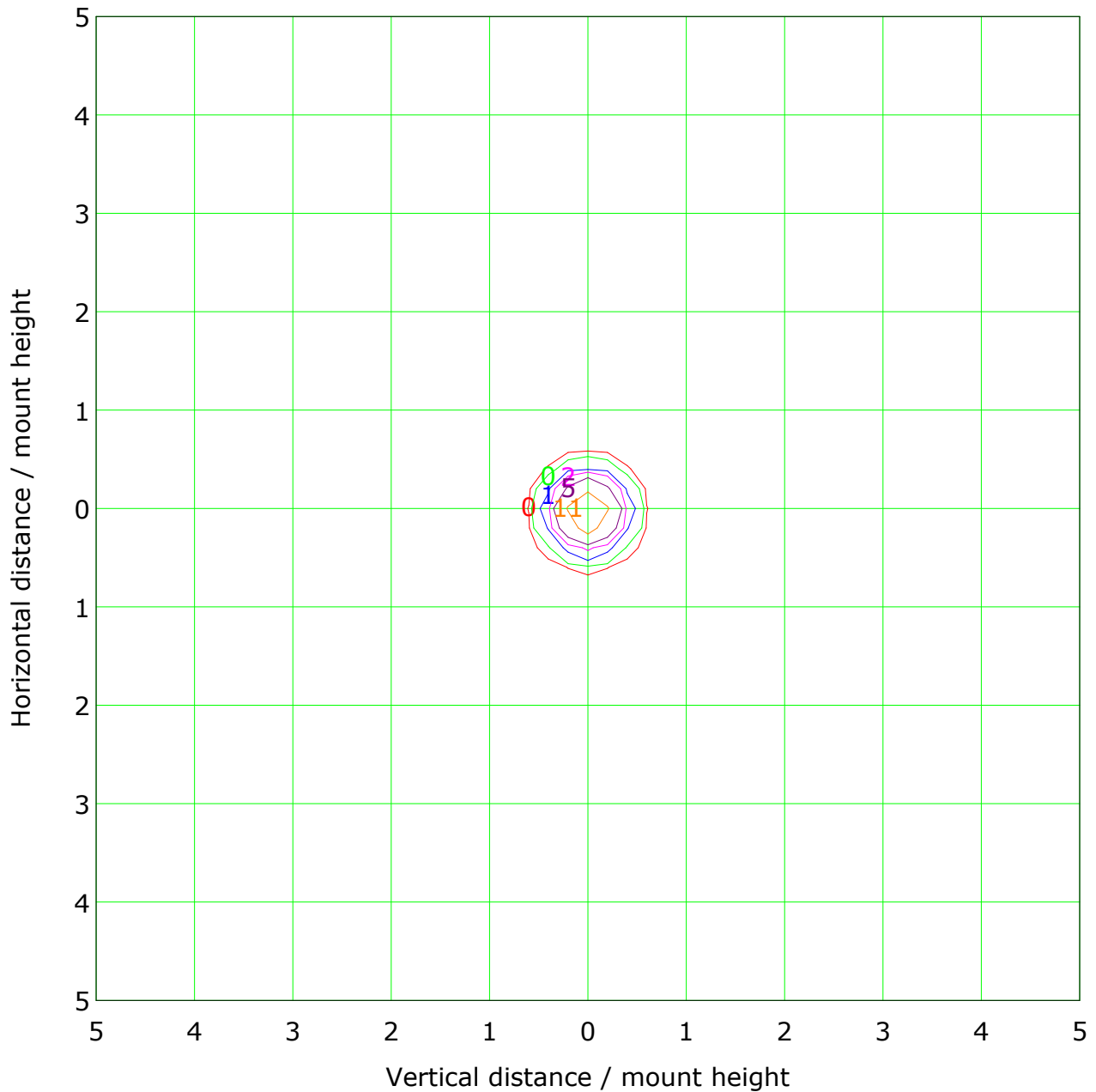
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

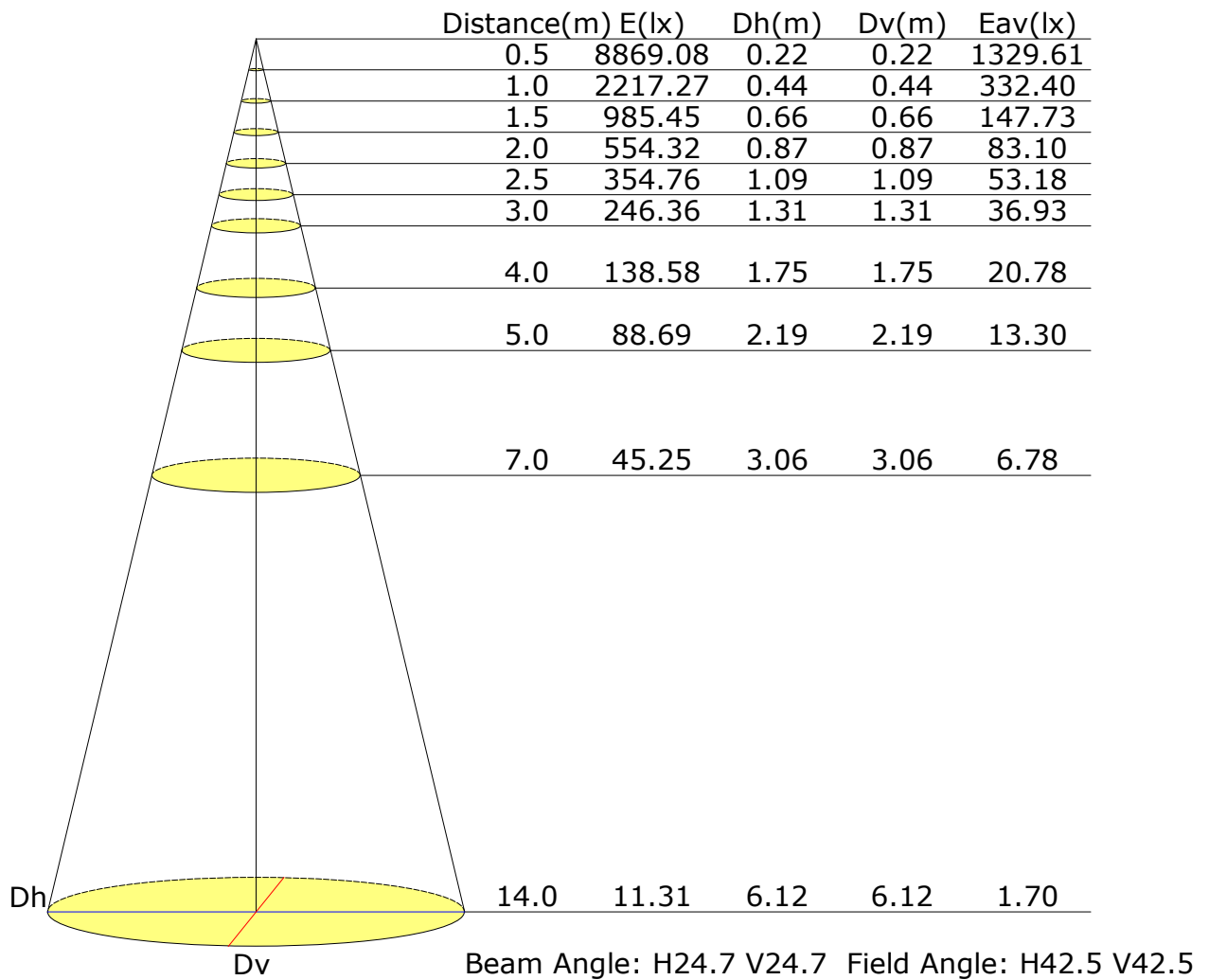


Mounting Height: 10m Max Lux(100%): 23 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	5 lx	— (50%):	11 lx
— (100%):	23 lx		

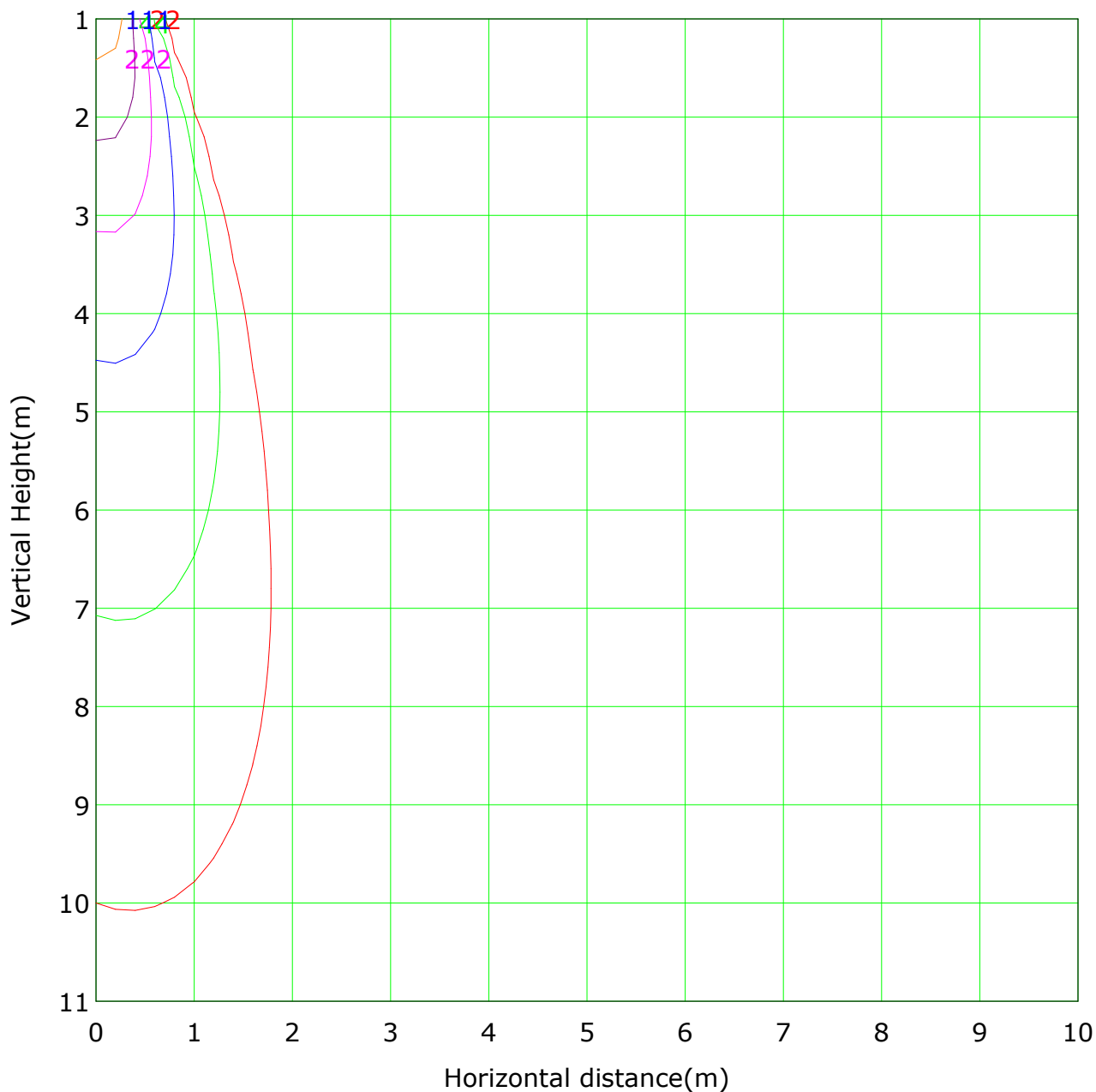
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
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Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Illuminance at a Distance



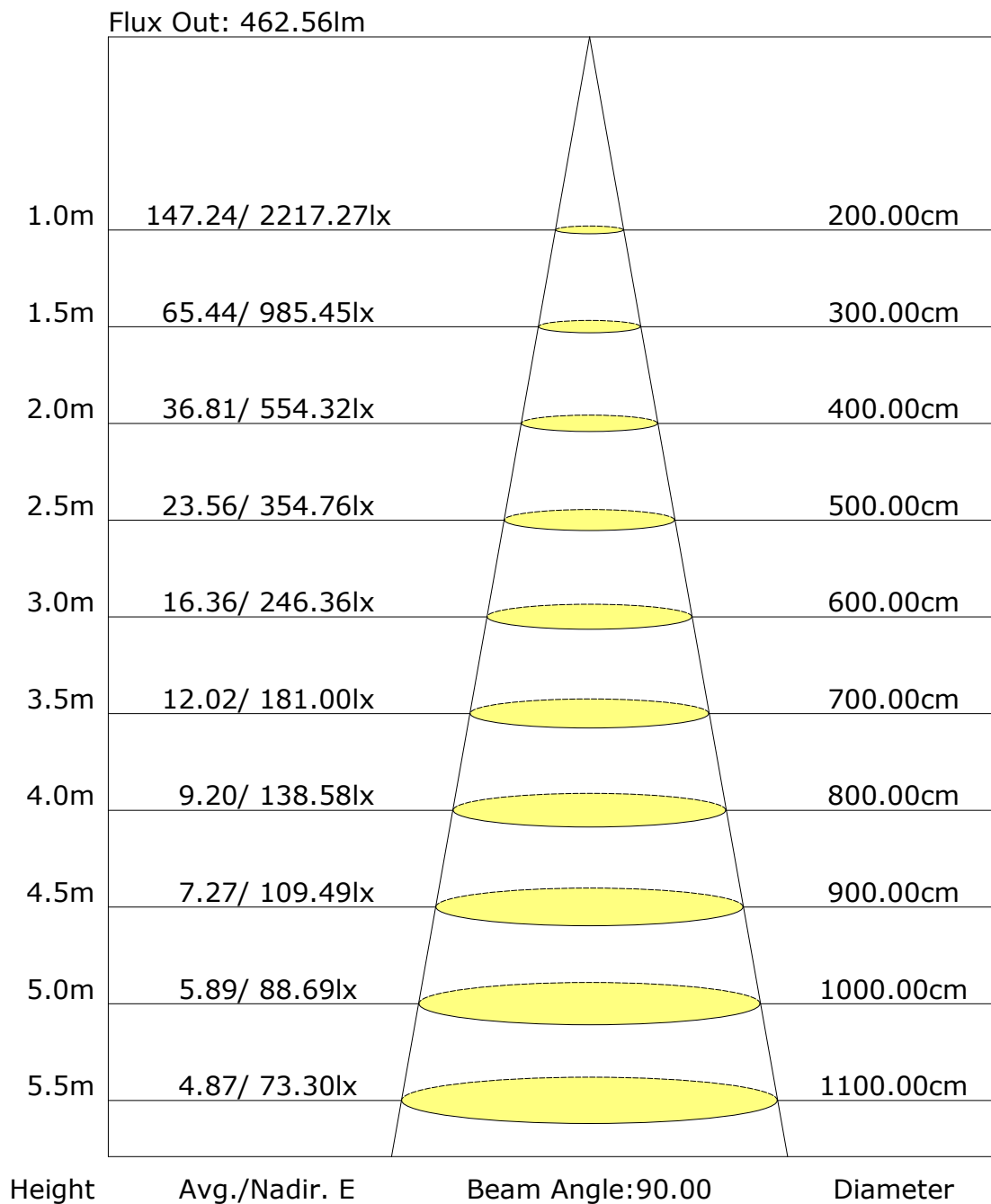
Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2217

(1%): 22 lx	(2%): 44 lx
(5%): 111 lx	(10%): 222 lx
(20%): 443 lx	(50%): 1109 lx
(100%): 2217 lx	

The average illuminance effective figure



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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	2212.8	2.1	2.1	0.46	0.46
1.0-2.0	2195.8	6.3	8.4	1.36	1.81
2.0-3.0	2162.4	10.3	18.8	2.23	4.04
3.0-4.0	2112.9	14.1	32.9	3.04	7.08
4.0-5.0	2047.5	17.6	50.5	3.79	10.87
5.0-6.0	1967.6	20.7	71.2	4.45	15.32
6.0-7.0	1873.1	23.3	94.5	5.00	20.33
7.0-8.0	1764.4	25.3	119.7	5.44	25.76
8.0-9.0	1644.5	26.7	146.4	5.74	31.50
9.0-10.0	1515.7	27.4	173.8	5.90	37.41
10.0-11.0	1380.7	27.6	201.4	5.94	43.34
11.0-12.0	1243.0	27.2	228.6	5.85	49.19
12.0-13.0	1104.8	26.2	254.8	5.64	54.84
13.0-14.0	969.1	24.8	279.6	5.34	60.17
14.0-15.0	839.9	23.1	302.7	4.96	65.14
15.0-16.0	719.7	21.1	323.8	4.54	69.68
16.0-17.0	609.8	19.0	342.7	4.09	73.76
17.0-18.0	511.6	16.9	359.6	3.63	77.39
18.0-19.0	425.6	14.8	374.4	3.19	80.58
19.0-20.0	351.6	12.9	387.3	2.77	83.35
20.0-21.0	288.9	11.1	398.4	2.39	85.74
21.0-22.0	236.4	9.5	407.9	2.05	87.78
22.0-23.0	192.9	8.1	416.0	1.74	89.53
23.0-24.0	157.0	6.9	422.9	1.48	91.00
24.0-25.0	127.9	5.8	428.7	1.25	92.26
25.0-26.0	104.3	4.9	433.6	1.06	93.32
26.0-27.0	85.3	4.2	437.8	0.90	94.21
27.0-28.0	70.1	3.6	441.3	0.76	94.98
28.0-29.0	58.1	3.0	444.4	0.65	95.63
29.0-30.0	48.4	2.6	447.0	0.56	96.19
30.0-31.0	40.5	2.3	449.2	0.49	96.68
31.0-32.0	34.3	2.0	451.2	0.42	97.10
32.0-33.0	29.1	1.7	452.9	0.37	97.47
33.0-34.0	24.8	1.5	454.4	0.32	97.79
34.0-35.0	21.2	1.3	455.7	0.28	98.08
35.0-36.0	18.1	1.2	456.9	0.25	98.32

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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	15.6	1.0	457.9	0.22	98.54
37.0-38.0	13.3	0.9	458.8	0.19	98.73
38.0-39.0	11.3	0.8	459.5	0.17	98.90
39.0-40.0	9.6	0.7	460.2	0.14	99.04
40.0-41.0	8.2	0.6	460.8	0.13	99.17
41.0-42.0	7.1	0.5	461.3	0.11	99.28
42.0-43.0	6.3	0.5	461.8	0.10	99.38
43.0-44.0	5.5	0.4	462.2	0.09	99.47
44.0-45.0	4.8	0.4	462.6	0.08	99.55
45.0-46.0	4.2	0.3	462.9	0.07	99.62
46.0-47.0	3.7	0.3	463.2	0.06	99.68
47.0-48.0	3.3	0.3	463.4	0.06	99.74
48.0-49.0	2.9	0.2	463.7	0.05	99.79
49.0-50.0	2.4	0.2	463.9	0.04	99.83
50.0-51.0	2.1	0.2	464.1	0.04	99.87
51.0-52.0	1.7	0.1	464.2	0.03	99.90
52.0-53.0	1.4	0.1	464.3	0.03	99.93
53.0-54.0	1.1	0.1	464.4	0.02	99.95
54.0-55.0	0.7	0.1	464.5	0.01	99.96
55.0-56.0	0.6	0.1	464.5	0.01	99.98
56.0-57.0	0.5	0.0	464.6	0.01	99.98
57.0-58.0	0.4	0.0	464.6	0.01	99.99
58.0-59.0	0.2	0.0	464.6	0.00	100.00
59.0-60.0	0.1	0.0	464.6	0.00	100.00
60.0-61.0	0.1	0.0	464.6	0.00	100.00
61.0-62.0	0.1	0.0	464.7	0.00	100.00
62.0-63.0	0.0	0.0	464.7	0.00	100.00
63.0-64.0	0.0	0.0	464.7	0.00	100.00
64.0-65.0	0.0	0.0	464.7	0.00	100.00
65.0-66.0	0.0	0.0	464.7	0.00	100.00
66.0-67.0	0.0	0.0	464.7	0.00	100.00
67.0-68.0	0.0	0.0	464.7	0.00	100.00
68.0-69.0	0.0	0.0	464.7	0.00	100.00
69.0-70.0	0.0	0.0	464.7	0.00	100.00
70.0-71.0	0.0	0.0	464.7	0.00	100.00
71.0-72.0	0.0	0.0	464.7	0.00	100.00

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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	2217.3	2217.3								
G1.0	2245.3	2171.5								
G2.0	2256.4	2110.0								
G3.0	2250.9	2032.4								
G4.0	2229.2	1939.2								
G5.0	2190.6	1831.2								
G6.0	2136.7	1712.0								
G7.0	2065.9	1577.9								
G8.0	1978.7	1435.3								
G9.0	1877.8	1286.3								
G10.0	1762.6	1135.9								
G11.0	1633.3	990.8								
G12.0	1494.4	853.4								
G13.0	1347.9	723.7								
G14.0	1198.6	606.3								
G15.0	1051.7	503.0								
G16.0	910.4	413.8								
G17.0	775.8	339.2								
G18.0	655.0	276.2								
G19.0	548.2	222.8								
G20.0	455.1	180.1								
G21.0	375.0	145.4								
G22.0	307.5	117.8								
G23.0	250.0	96.1								
G24.0	203.2	78.7								
G25.0	164.9	64.9								
G26.0	133.7	53.6								
G27.0	108.9	44.8								
G28.0	89.1	37.7								
G29.0	73.5	31.9								
G30.0	60.8	27.2								
G31.0	51.0	23.1								
G32.0	43.1	19.9								
G33.0	36.4	17.0								
G34.0	31.2	14.6								
G35.0	26.6	12.3								
G36.0	23.0	10.6								

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	19.7	8.9								
G38.0	16.8	7.7								
G39.0	14.3	6.5								
G40.0	11.9	5.7								
G41.0	10.1	5.1								
G42.0	8.9	4.5								
G43.0	7.7	4.1								
G44.0	6.6	3.5								
G45.0	6.0	3.0								
G46.0	5.3	2.6								
G47.0	4.7	2.1								
G48.0	4.2	2.0								
G49.0	3.6	1.6								
G50.0	3.2	1.2								
G51.0	2.9	1.0								
G52.0	2.1	0.9								
G53.0	2.0	0.6								
G54.0	1.6	0.1								
G55.0	1.2	0.0								
G56.0	1.0	0.0								
G57.0	0.9	0.0								
G58.0	0.6	0.0								
G59.0	0.1	0.0								
G60.0	0.1	0.0								
G61.0	0.3	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: