

Report No.: 56.03519 Lanky Recessed
Downlight

Test Time: 2024-09-15 11:18

Luminaire Property

Luminaire Category:

Luminaire Description: LAINKY 导轨灯 25 - 36Voltage: 221.7 V

Current: 0.065 A

Power: 8.90 W

Power Factor: 0.611

Photometric Results

CIE Class: Direct

Measurement Flux: 510.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H35.1

Vertical Diffuse Angle(50%): V35.1

Luminaire Efficacy Rating (LER): 57

Max. Intensity: 1390.45 cd

Total Rated Lamp Lumens: 510.5 lm

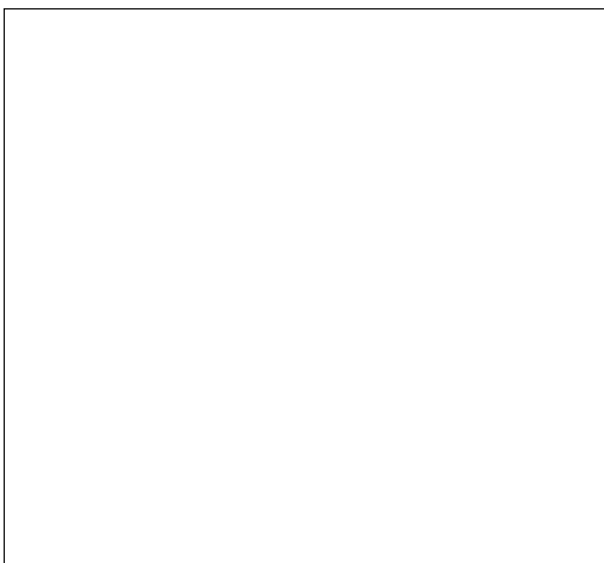
Efficiency: 100%

Upward Ratio: 0%

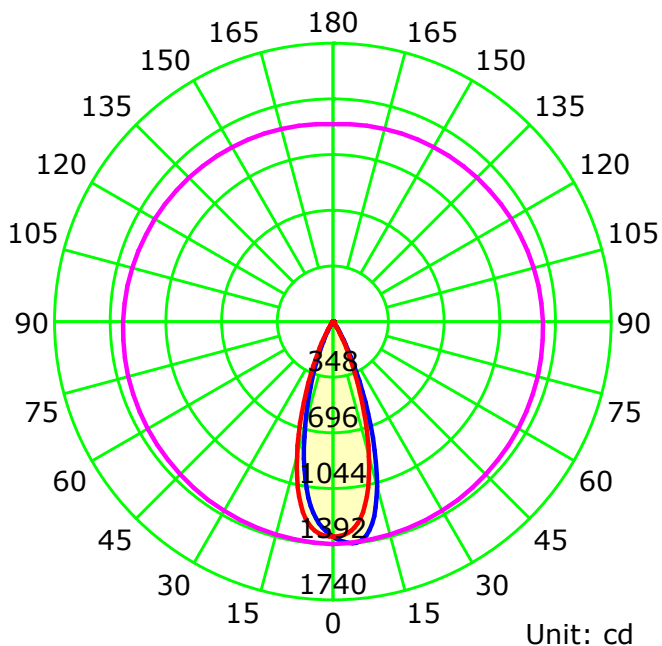
Central Intensity: 1343.64 cd

Pos of Max. Intensity: H0 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

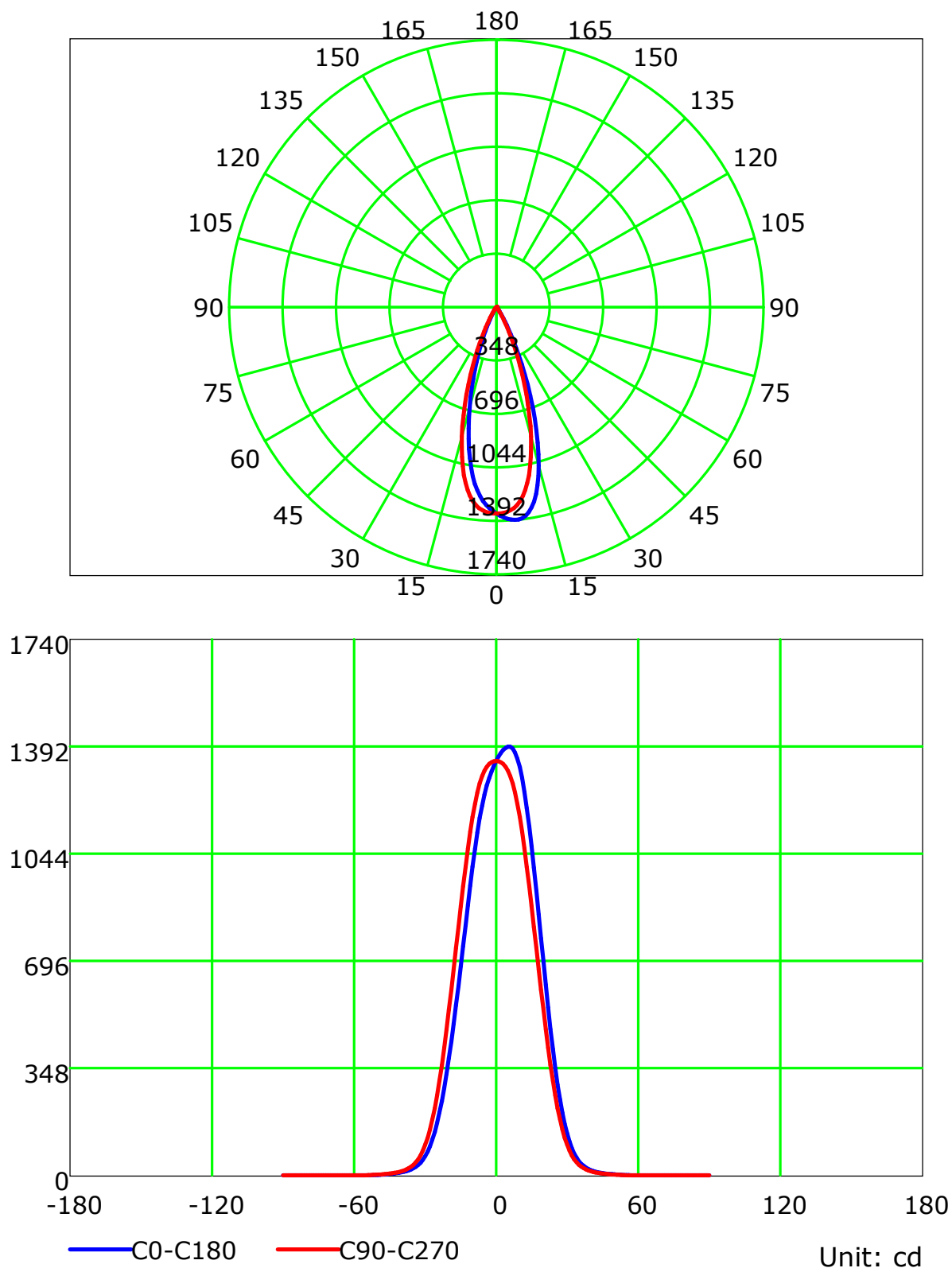
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

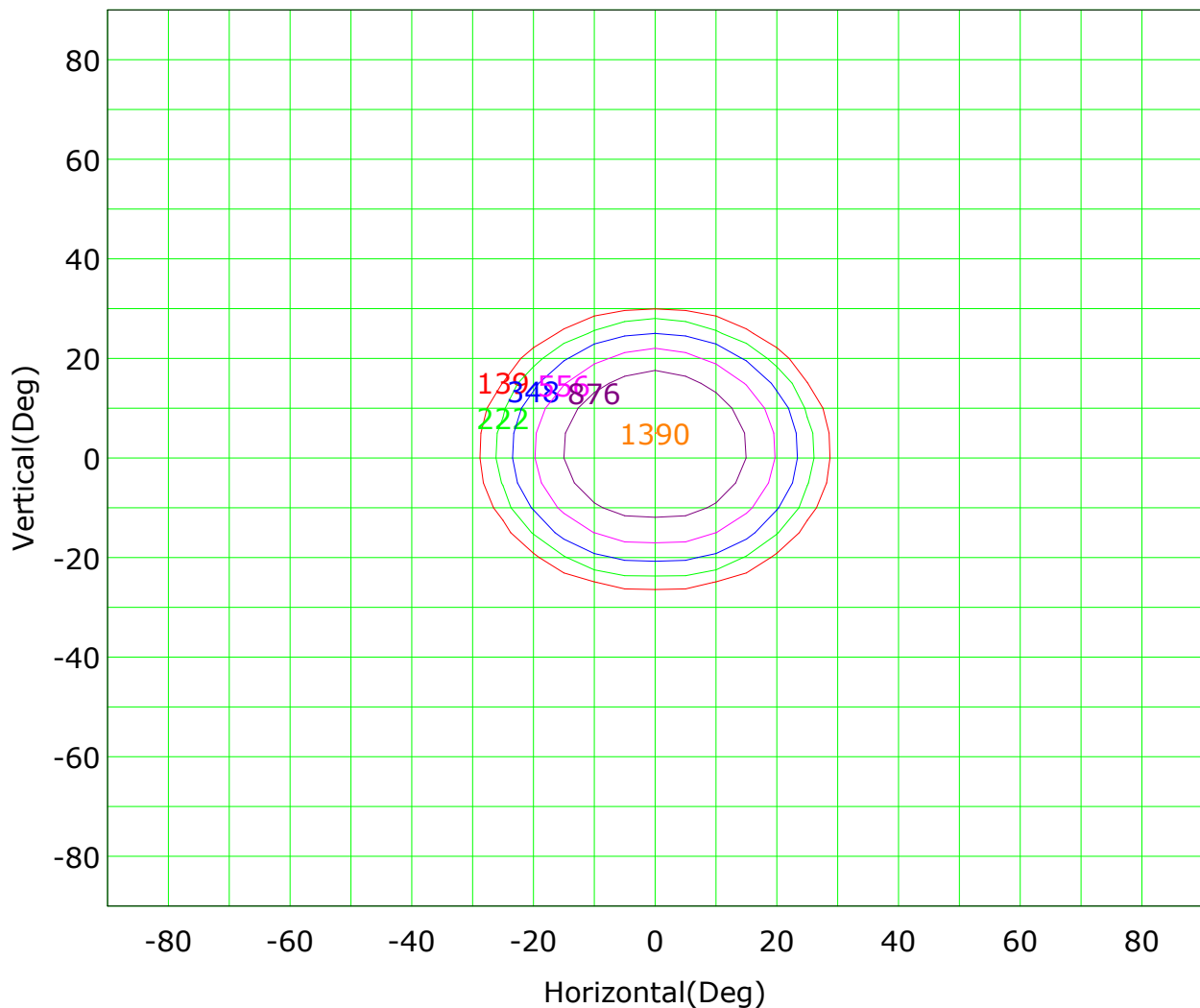
Luminous Intensity Distribution Curve



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%): 1390 cd

(10%): 139 cd	(16%): 222 cd
(25%): 348 cd	(40%): 556 cd
(63%): 876 cd	(100%): 1390 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

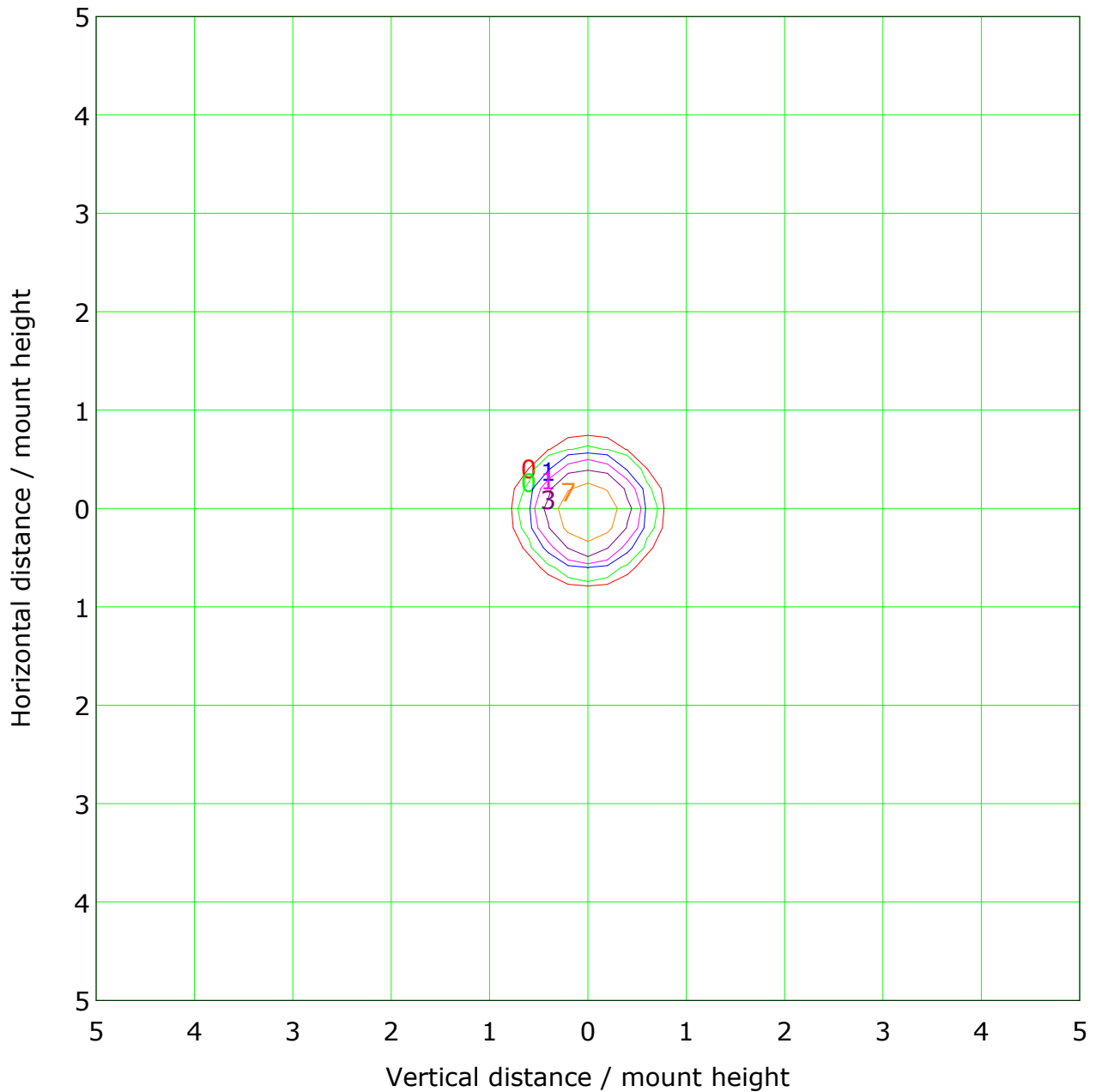
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

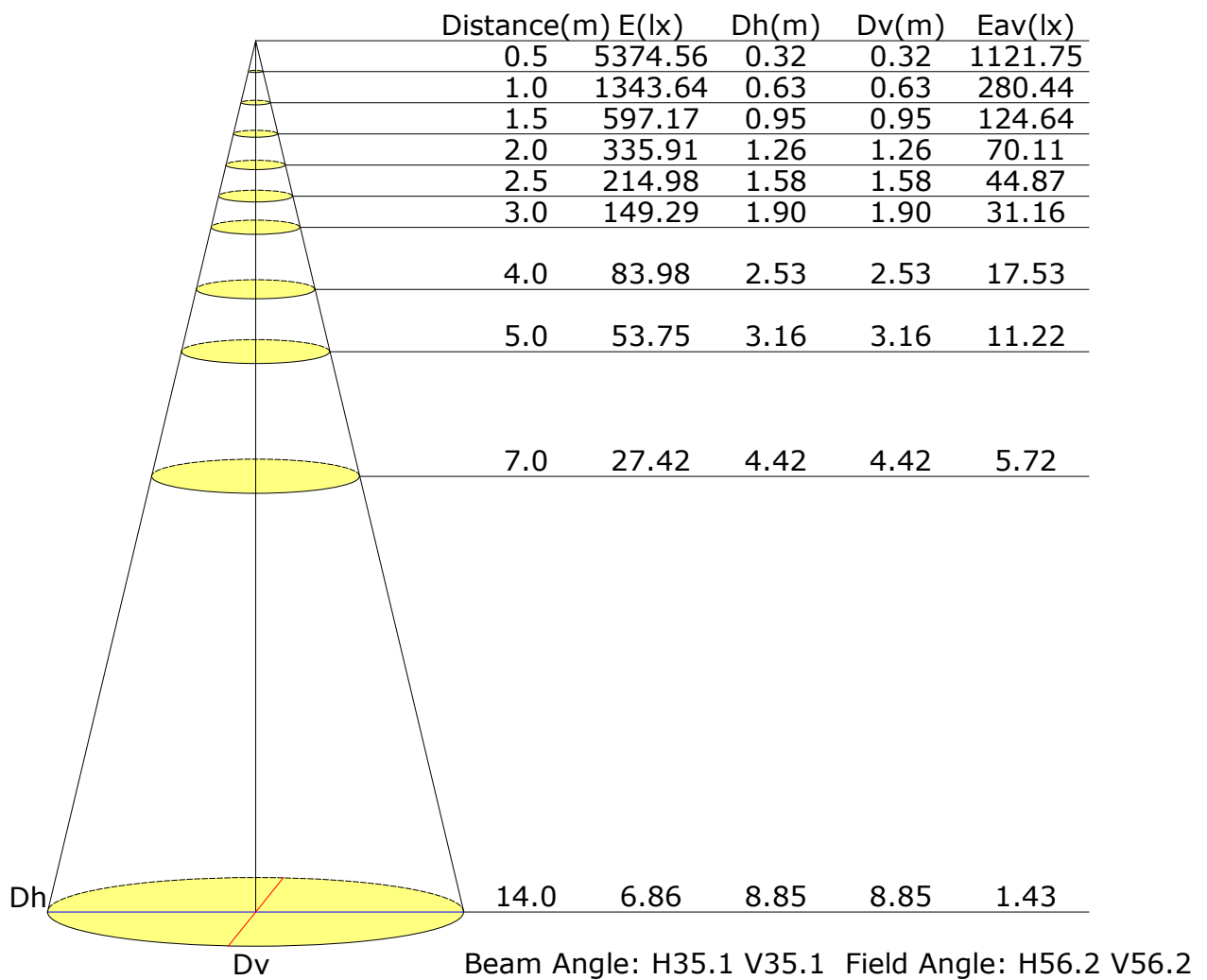


Mounting Height: 10m Max Lux(100%): 14 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	3 lx	— (50%):	7 lx
— (100%):	14 lx		

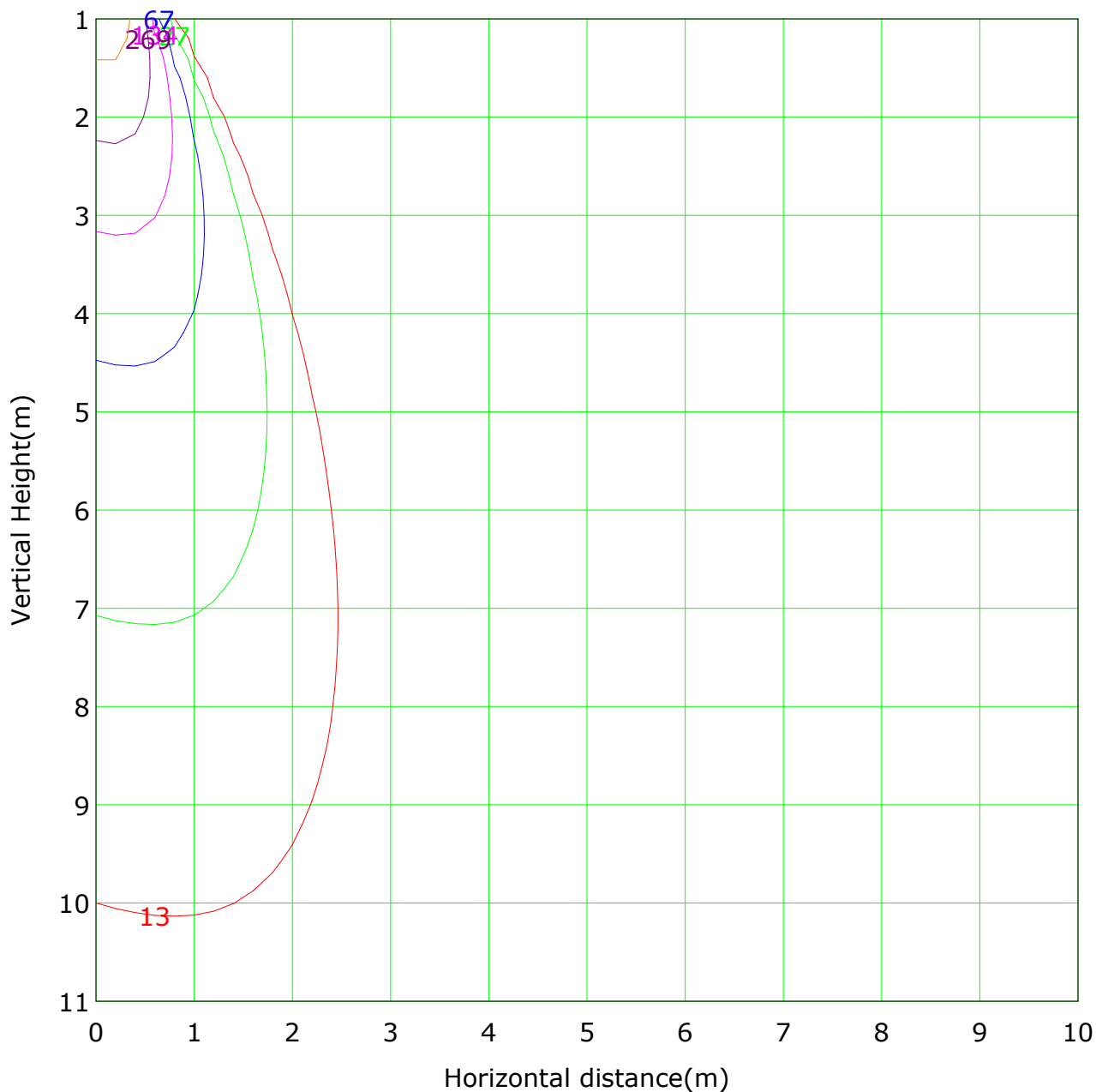
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



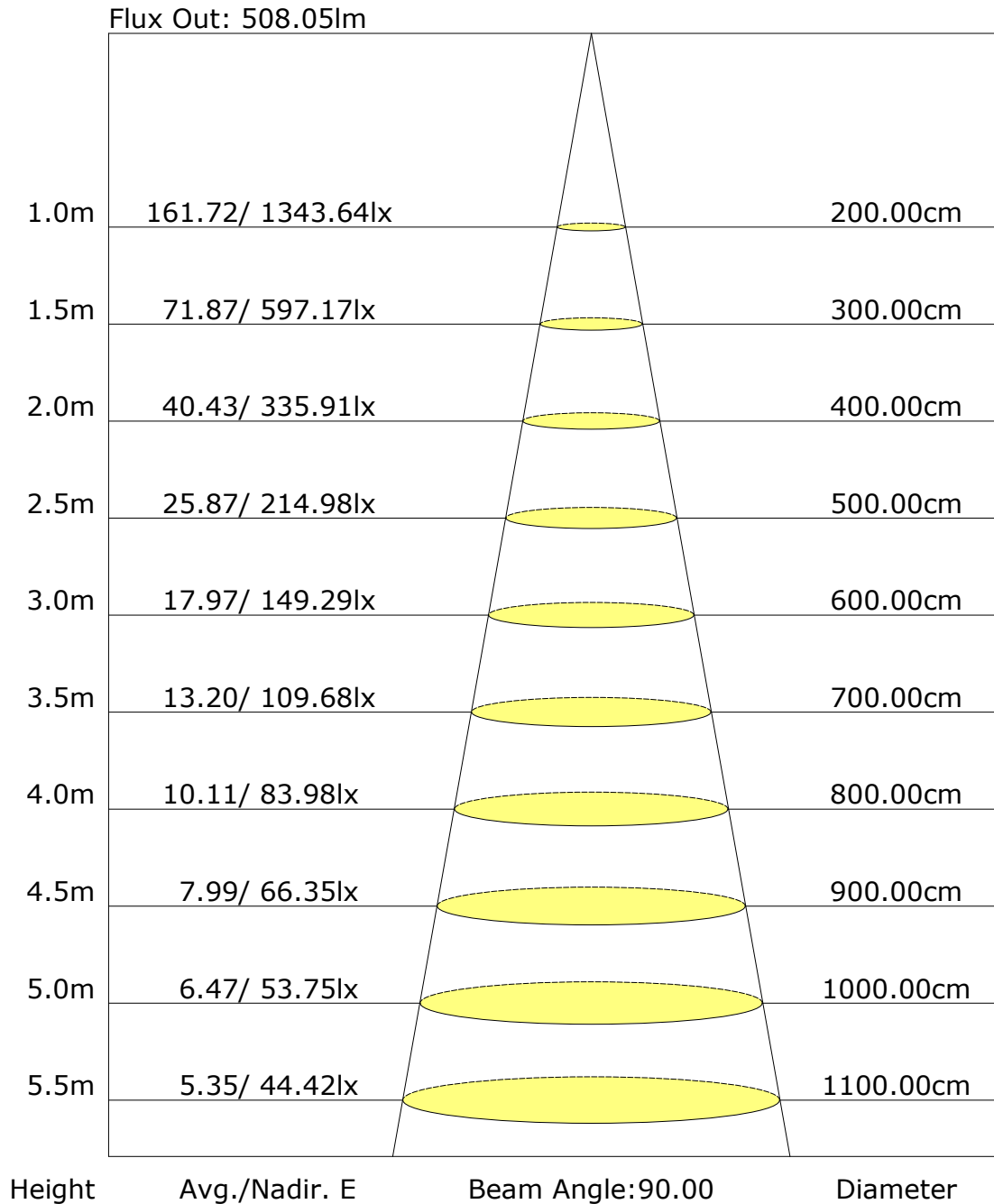
Lowest(m): 1m Highest(m): 11 Max Lux: 1344

(1%): 13 lx	(2%): 27 lx
(5%): 67 lx	(10%): 134 lx
(20%): 269 lx	(50%): 672 lx
(100%): 1344 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	1343.1	1.3	1.3	0.25	0.25
1.0-2.0	1341.3	3.9	5.1	0.75	1.01
2.0-3.0	1337.2	6.4	11.5	1.25	2.26
3.0-4.0	1329.9	8.9	20.4	1.74	4.00
4.0-5.0	1318.8	11.3	31.8	2.22	6.23
5.0-6.0	1303.7	13.7	45.5	2.68	8.91
6.0-7.0	1283.2	15.9	61.4	3.12	12.03
7.0-8.0	1256.5	18.0	79.4	3.52	15.55
8.0-9.0	1223.2	19.8	99.2	3.88	19.44
9.0-10.0	1183.6	21.4	120.6	4.20	23.63
10.0-11.0	1138.3	22.7	143.4	4.46	28.09
11.0-12.0	1087.1	23.8	167.2	4.66	32.74
12.0-13.0	1030.3	24.5	191.6	4.79	37.53
13.0-14.0	969.2	24.8	216.4	4.86	42.39
14.0-15.0	905.4	24.9	241.3	4.87	47.26
15.0-16.0	839.4	24.6	265.9	4.82	52.08
16.0-17.0	771.2	24.0	289.9	4.70	56.78
17.0-18.0	702.7	23.2	313.1	4.54	61.32
18.0-19.0	635.3	22.1	335.2	4.33	65.65
19.0-20.0	569.4	20.8	356.0	4.08	69.74
20.0-21.0	505.3	19.4	375.4	3.80	73.54
21.0-22.0	443.9	17.8	393.3	3.49	77.03
22.0-23.0	385.9	16.2	409.5	3.17	80.20
23.0-24.0	332.1	14.5	424.0	2.84	83.05
24.0-25.0	283.1	12.9	436.9	2.52	85.57
25.0-26.0	238.7	11.3	448.1	2.21	87.78
26.0-27.0	199.4	9.8	457.9	1.91	89.69
27.0-28.0	165.1	8.4	466.2	1.64	91.32
28.0-29.0	135.6	7.1	473.3	1.39	92.71
29.0-30.0	110.6	6.0	479.3	1.17	93.88
30.0-31.0	89.9	5.0	484.3	0.98	94.86
31.0-32.0	72.7	4.2	488.5	0.82	95.68
32.0-33.0	58.8	3.5	491.9	0.68	96.36
33.0-34.0	47.6	2.9	494.8	0.56	96.92
34.0-35.0	38.6	2.4	497.2	0.47	97.39
35.0-36.0	31.6	2.0	499.2	0.39	97.79

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	26.0	1.7	500.9	0.33	98.12
37.0-38.0	21.5	1.4	502.4	0.28	98.40
38.0-39.0	17.9	1.2	503.6	0.24	98.64
39.0-40.0	14.9	1.0	504.6	0.20	98.84
40.0-41.0	12.4	0.9	505.5	0.17	99.02
41.0-42.0	10.6	0.8	506.3	0.15	99.17
42.0-43.0	9.1	0.7	507.0	0.13	99.30
43.0-44.0	7.7	0.6	507.5	0.11	99.41
44.0-45.0	6.7	0.5	508.1	0.10	99.51
45.0-46.0	5.7	0.4	508.5	0.09	99.60
46.0-47.0	4.8	0.4	508.9	0.08	99.68
47.0-48.0	4.1	0.3	509.2	0.07	99.74
48.0-49.0	3.4	0.3	509.5	0.06	99.80
49.0-50.0	2.9	0.2	509.7	0.05	99.85
50.0-51.0	2.3	0.2	509.9	0.04	99.88
51.0-52.0	1.8	0.2	510.1	0.03	99.91
52.0-53.0	1.4	0.1	510.2	0.02	99.94
53.0-54.0	1.0	0.1	510.3	0.02	99.96
54.0-55.0	0.8	0.1	510.4	0.01	99.97
55.0-56.0	0.6	0.1	510.4	0.01	99.98
56.0-57.0	0.4	0.0	510.5	0.01	99.99
57.0-58.0	0.2	0.0	510.5	0.00	99.99
58.0-59.0	0.1	0.0	510.5	0.00	99.99
59.0-60.0	0.1	0.0	510.5	0.00	100.00
60.0-61.0	0.1	0.0	510.5	0.00	100.00
61.0-62.0	0.1	0.0	510.5	0.00	100.00
62.0-63.0	0.0	0.0	510.5	0.00	100.00
63.0-64.0	0.0	0.0	510.5	0.00	100.00
64.0-65.0	0.0	0.0	510.5	0.00	100.00
65.0-66.0	0.0	0.0	510.5	0.00	100.00
66.0-67.0	0.0	0.0	510.5	0.00	100.00
67.0-68.0	0.0	0.0	510.5	0.00	100.00
68.0-69.0	0.0	0.0	510.5	0.00	100.00
69.0-70.0	0.0	0.0	510.5	0.00	100.00
70.0-71.0	0.0	0.0	510.5	0.00	100.00
71.0-72.0	0.0	0.0	510.5	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	1343.6	1343.6								
G1.0	1357.6	1327.8								
G2.0	1369.6	1310.3								
G3.0	1379.5	1289.5								
G4.0	1386.1	1264.3								
G5.0	1390.4	1234.5								
G6.0	1390.2	1199.5								
G7.0	1384.1	1158.8								
G8.0	1371.3	1111.7								
G9.0	1350.8	1058.8								
G10.0	1323.8	1001.0								
G11.0	1288.3	940.2								
G12.0	1243.5	876.6								
G13.0	1190.9	810.1								
G14.0	1132.0	743.6								
G15.0	1067.8	678.3								
G16.0	997.7	613.7								
G17.0	921.9	551.6								
G18.0	845.7	491.8								
G19.0	769.5	434.3								
G20.0	693.5	380.3								
G21.0	617.8	329.7								
G22.0	544.6	283.3								
G23.0	474.1	241.5								
G24.0	408.9	204.0								
G25.0	348.9	170.4								
G26.0	294.4	141.2								
G27.0	245.7	116.2								
G28.0	203.6	94.8								
G29.0	166.9	77.0								
G30.0	136.1	62.5								
G31.0	110.2	50.7								
G32.0	88.8	41.2								
G33.0	71.1	33.9								
G34.0	57.4	28.1								
G35.0	45.9	23.2								
G36.0	37.5	19.6								

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	30.8	16.3								
G38.0	25.2	13.9								
G39.0	20.7	11.8								
G40.0	17.0	10.1								
G41.0	14.1	8.6								
G42.0	12.0	7.6								
G43.0	10.2	6.5								
G44.0	8.8	5.5								
G45.0	7.6	5.0								
G46.0	6.5	4.0								
G47.0	5.7	3.2								
G48.0	4.8	2.7								
G49.0	4.2	2.0								
G50.0	3.7	1.6								
G51.0	3.0	1.0								
G52.0	2.5	0.9								
G53.0	2.0	0.4								
G54.0	1.4	0.4								
G55.0	1.1	0.3								
G56.0	0.9	0.0								
G57.0	0.6	0.0								
G58.0	0.4	0.0								
G59.0	0.1	0.0								
G60.0	0.3	0.0								
G61.0	0.3	0.0								
G62.0	0.1	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: