

Report No.:

Test Time: 2024-08-28 15:44

## Luminaire Property

Luminaire Category:

Luminaire Description: 51.12511 38D

Current: 0.135 A

Power Factor: 0.972

Voltage: 218.9 V

Power: 28.90 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 2513.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H34.5

Vertical Diffuse Angle(50%): V34.5

Luminaire Efficacy Rating (LER): 87

Max. Intensity: 6379.07 cd

Total Rated Lamp Lumens: 2513.6 lm

Efficiency: 100%

Upward Ratio: 0%

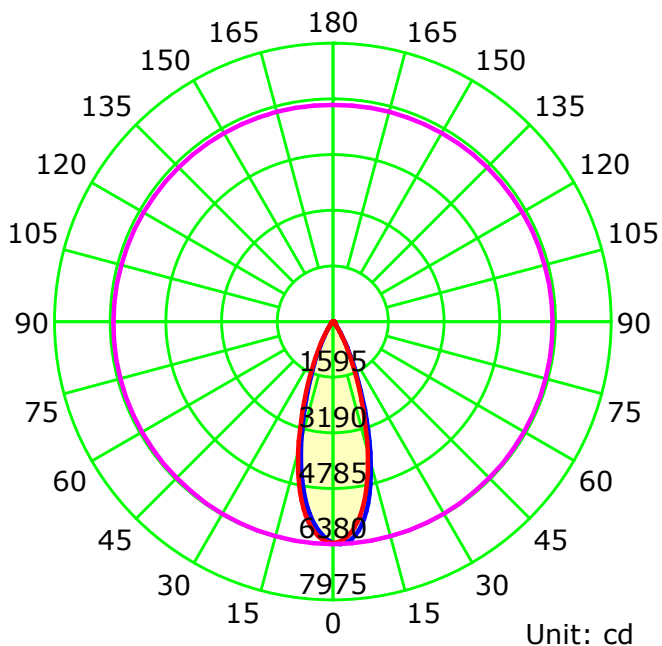
Central Intensity: 6340.43 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

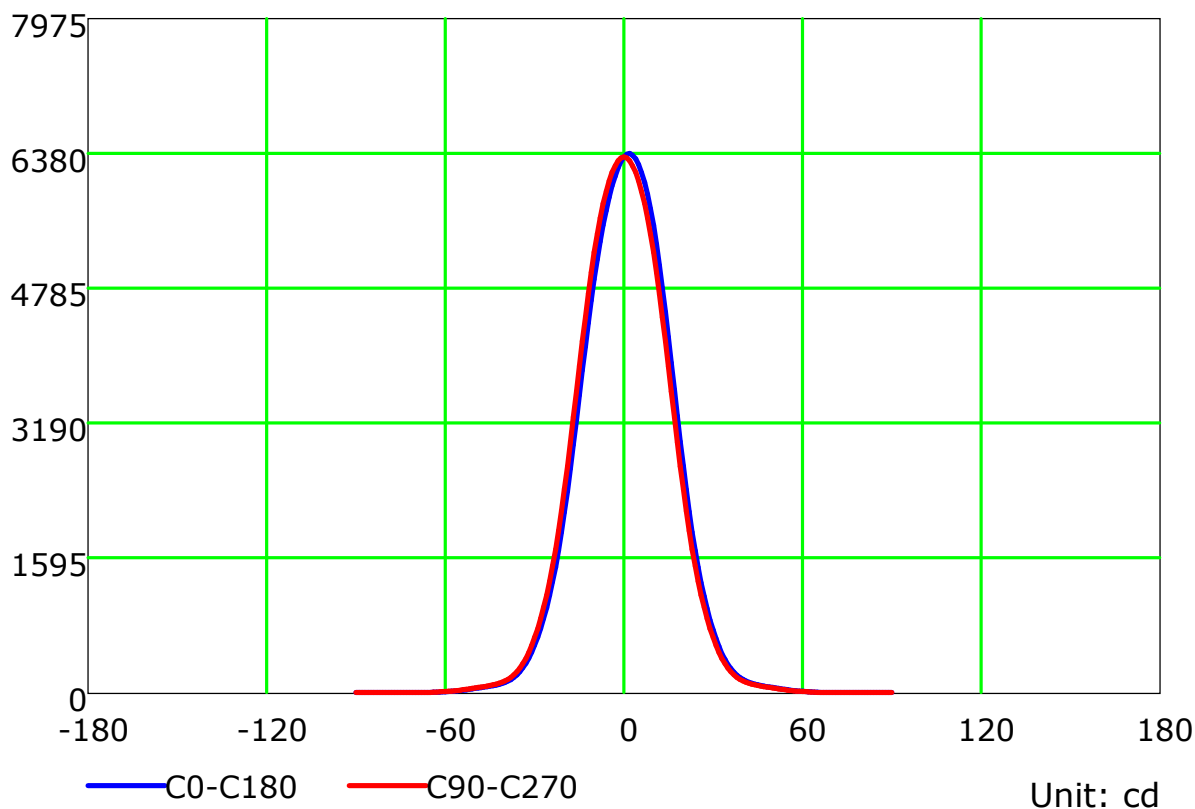
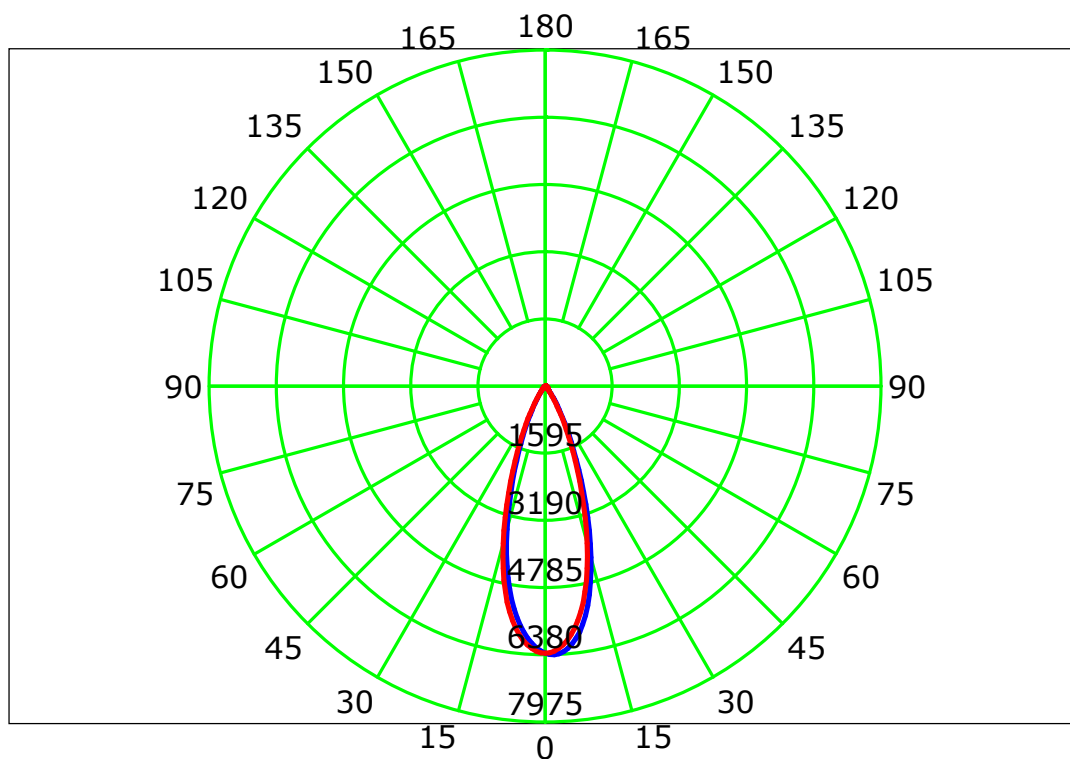
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

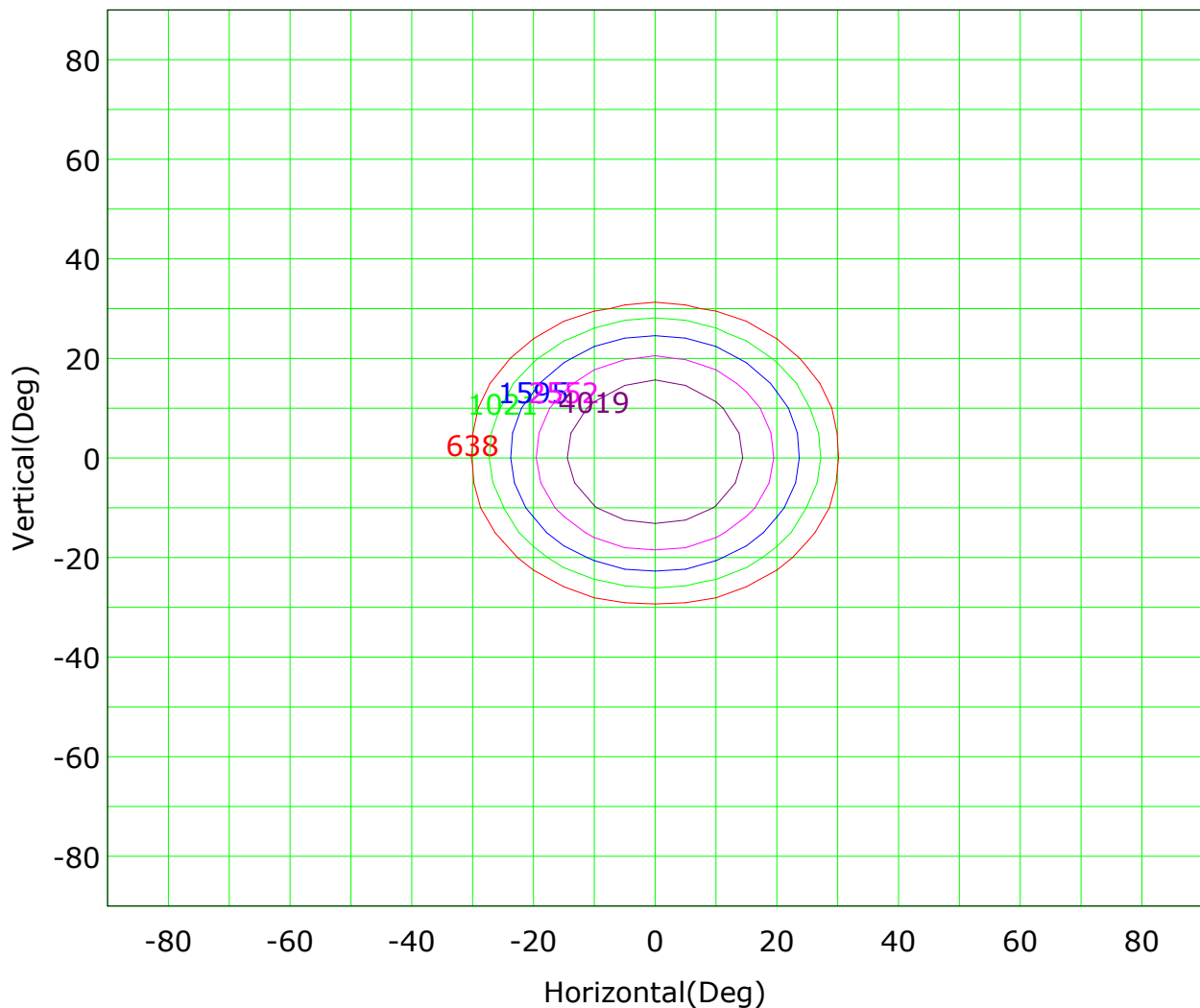
## Luminous Intensity Distribution Curve



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%): 6379 cd

( 10%): 638 cd	( 16%): 1021 cd
( 25%): 1595 cd	( 40%): 2552 cd
( 63%): 4019 cd	(100%): 6379 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

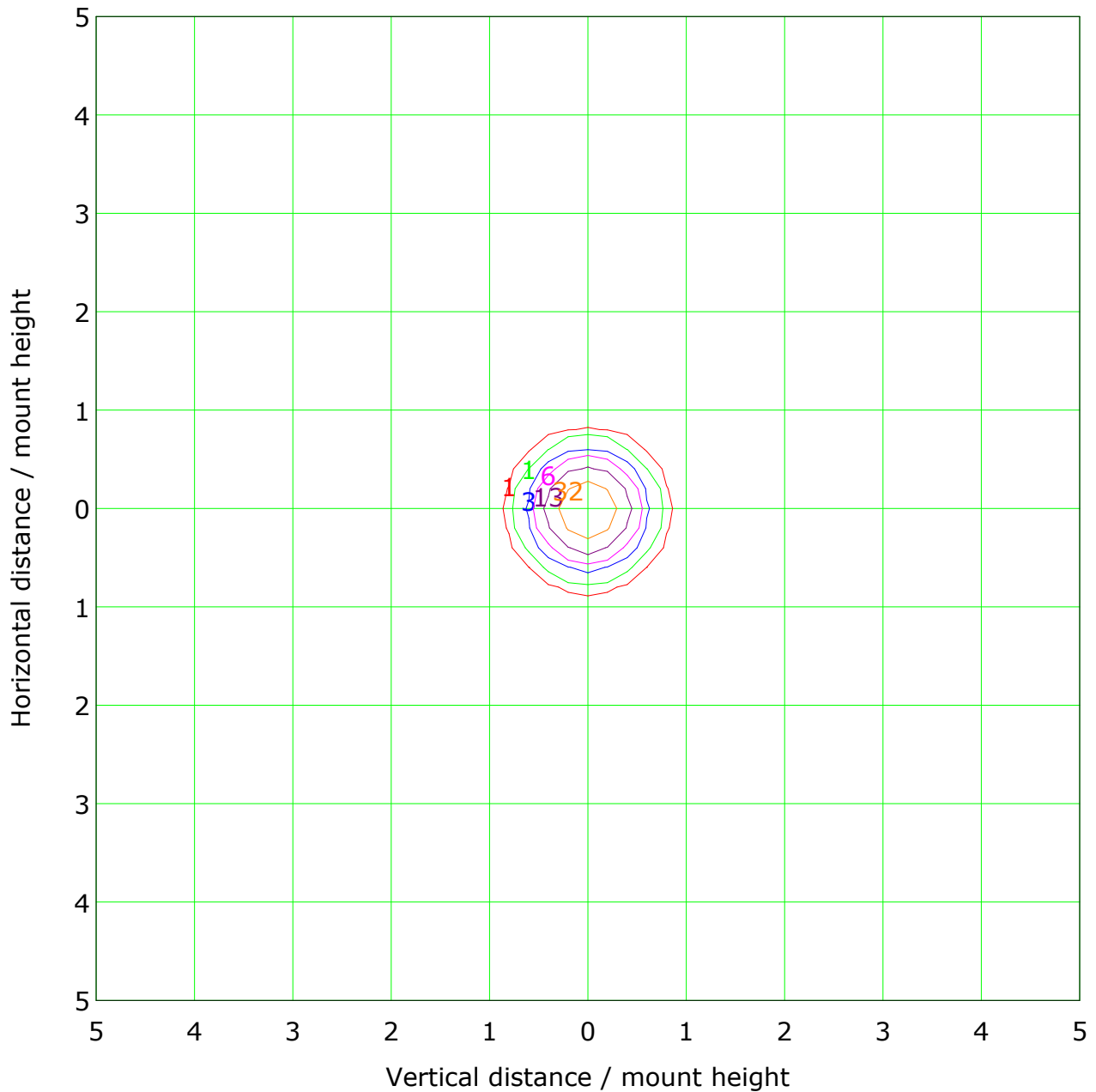
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 64 lx	
( 1%):	1 lx	( 2%):	1 lx
( 5%):	3 lx	( 10%):	6 lx
( 20%):	13 lx	( 50%):	32 lx
(100%):	64 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

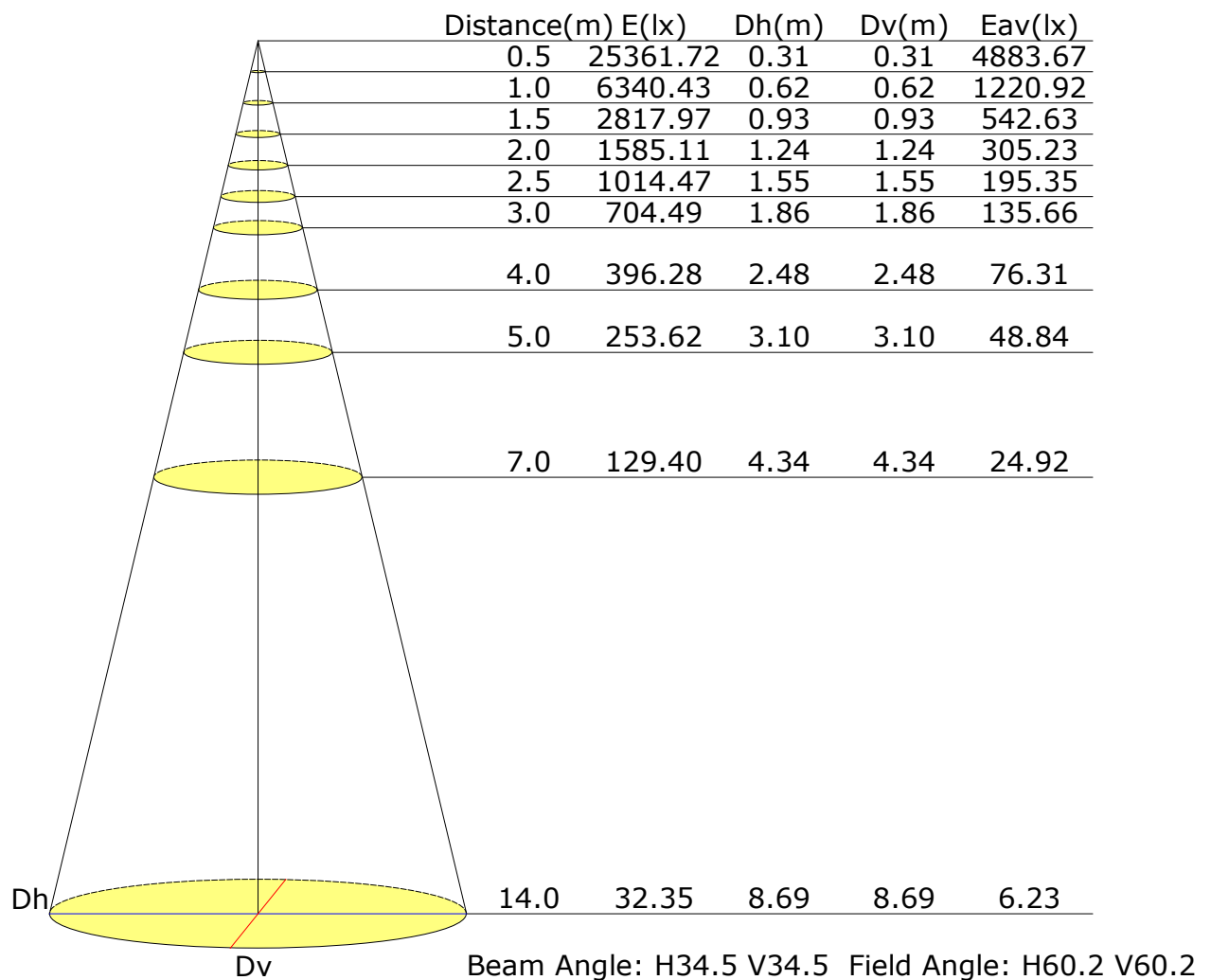
Test Device: CHL-6E

Distance: 3.328 m

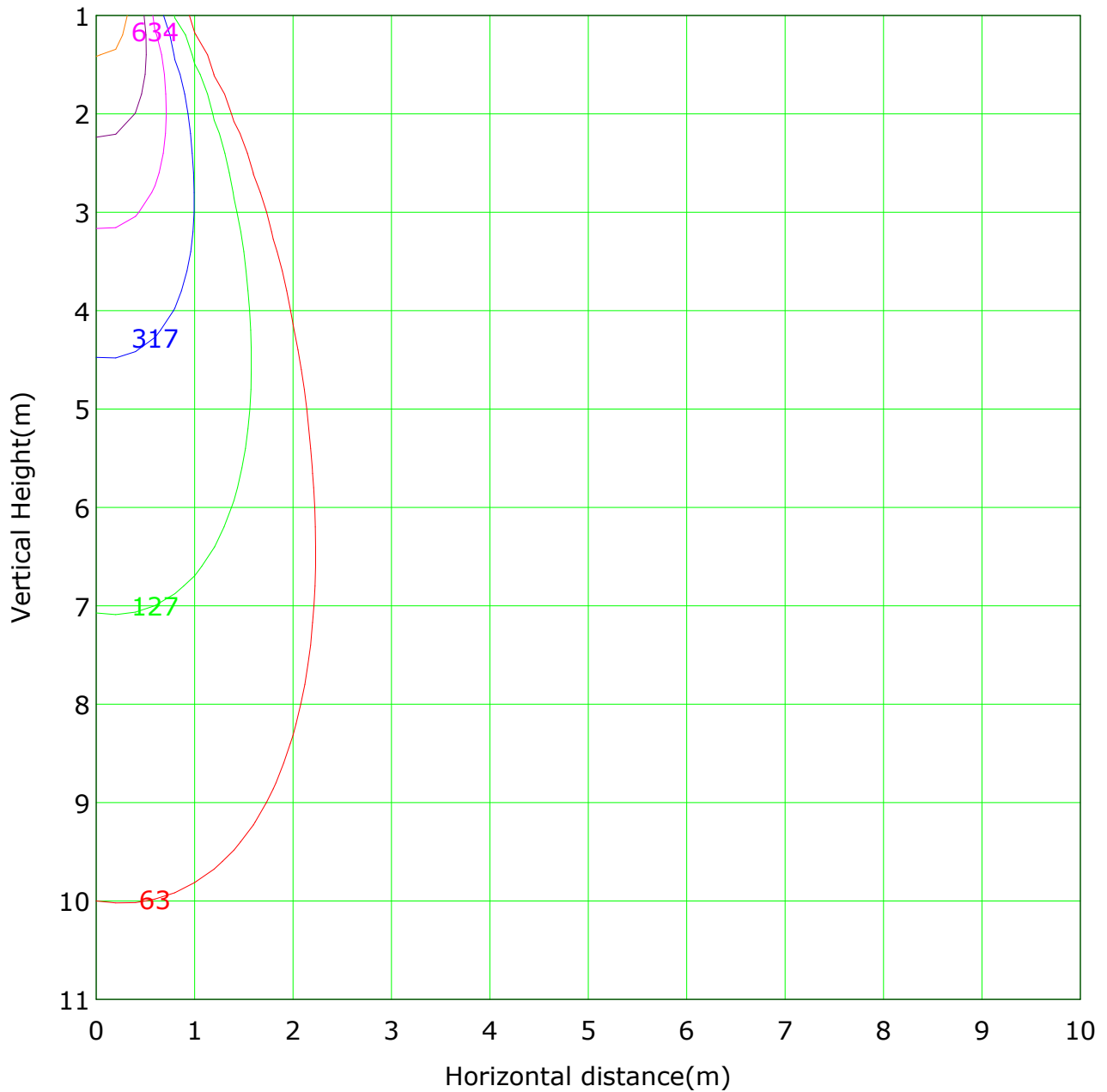
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



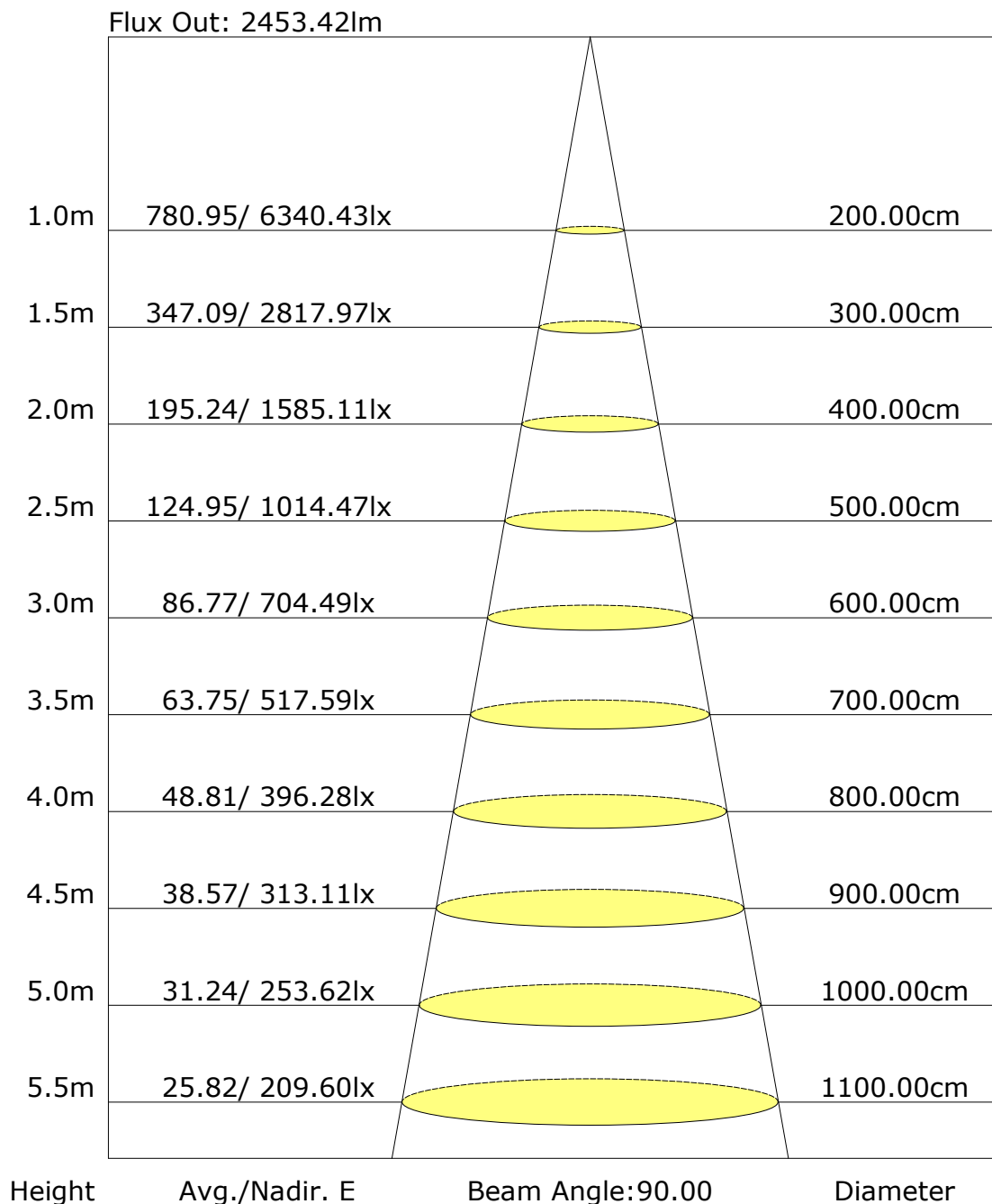
Lowest(m): 1m    Highest(m): 11    Max Lux: 6340

( 1%): 63 lx	( 2%): 127 lx
( 5%): 317 lx	( 10%): 634 lx
( 20%): 1268 lx	( 50%): 3170 lx
(100%): 6340 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	6334.2	6.1	6.1	0.24	0.24
1.0-2.0	6311.8	18.1	24.2	0.72	0.96
2.0-3.0	6265.3	30.0	54.1	1.19	2.15
3.0-4.0	6196.1	41.5	95.6	1.65	3.80
4.0-5.0	6106.1	52.5	148.2	2.09	5.89
5.0-6.0	5992.6	63.0	211.2	2.51	8.40
6.0-7.0	5858.0	72.7	283.9	2.89	11.29
7.0-8.0	5701.5	81.6	365.5	3.25	14.54
8.0-9.0	5522.0	89.5	455.0	3.56	18.10
9.0-10.0	5318.2	96.3	551.2	3.83	21.93
10.0-11.0	5091.3	101.7	653.0	4.05	25.98
11.0-12.0	4845.1	105.9	758.9	4.21	30.19
12.0-13.0	4580.2	108.7	867.6	4.32	34.52
13.0-14.0	4300.3	110.1	977.7	4.38	38.90
14.0-15.0	4010.4	110.1	1087.8	4.38	43.28
15.0-16.0	3713.4	108.8	1196.7	4.33	47.61
16.0-17.0	3411.8	106.3	1302.9	4.23	51.83
17.0-18.0	3112.6	102.6	1405.5	4.08	55.92
18.0-19.0	2821.5	98.2	1503.7	3.91	59.82
19.0-20.0	2542.2	93.1	1596.8	3.70	63.53
20.0-21.0	2278.9	87.5	1684.3	3.48	67.01
21.0-22.0	2032.0	81.7	1766.0	3.25	70.26
22.0-23.0	1803.3	75.7	1841.6	3.01	73.27
23.0-24.0	1595.1	69.7	1911.4	2.77	76.04
24.0-25.0	1406.8	64.0	1975.4	2.55	78.59
25.0-26.0	1236.0	58.4	2033.7	2.32	80.91
26.0-27.0	1081.5	52.9	2086.6	2.11	83.01
27.0-28.0	942.2	47.7	2134.3	1.90	84.91
28.0-29.0	816.5	42.7	2177.1	1.70	86.61
29.0-30.0	704.4	38.0	2215.1	1.51	88.13
30.0-31.0	605.6	33.7	2248.8	1.34	89.47
31.0-32.0	517.7	29.7	2278.5	1.18	90.65
32.0-33.0	439.8	25.9	2304.4	1.03	91.68
33.0-34.0	373.1	22.6	2327.0	0.90	92.58
34.0-35.0	316.6	19.7	2346.6	0.78	93.36
35.0-36.0	269.0	17.1	2363.8	0.68	94.04

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	228.8	14.9	2378.7	0.59	94.63
37.0-38.0	195.4	13.0	2391.7	0.52	95.15
38.0-39.0	169.5	11.6	2403.3	0.46	95.61
39.0-40.0	148.7	10.4	2413.7	0.41	96.02
40.0-41.0	131.5	9.4	2423.0	0.37	96.40
41.0-42.0	117.8	8.6	2431.6	0.34	96.74
42.0-43.0	106.0	7.9	2439.4	0.31	97.05
43.0-44.0	96.0	7.2	2446.7	0.29	97.34
44.0-45.0	87.6	6.7	2453.4	0.27	97.61
45.0-46.0	80.7	6.3	2459.7	0.25	97.86
46.0-47.0	74.8	5.9	2465.7	0.24	98.09
47.0-48.0	68.6	5.5	2471.2	0.22	98.31
48.0-49.0	63.6	5.2	2476.5	0.21	98.52
49.0-50.0	58.6	4.9	2481.3	0.19	98.72
50.0-51.0	53.0	4.5	2485.8	0.18	98.90
51.0-52.0	47.7	4.1	2489.9	0.16	99.06
52.0-53.0	42.1	3.7	2493.6	0.15	99.20
53.0-54.0	37.1	3.3	2496.8	0.13	99.33
54.0-55.0	32.4	2.9	2499.7	0.12	99.45
55.0-56.0	27.1	2.5	2502.2	0.10	99.55
56.0-57.0	22.8	2.1	2504.3	0.08	99.63
57.0-58.0	19.6	1.8	2506.1	0.07	99.70
58.0-59.0	16.8	1.6	2507.7	0.06	99.76
59.0-60.0	14.3	1.4	2509.0	0.05	99.82
60.0-61.0	12.5	1.2	2510.2	0.05	99.87
61.0-62.0	10.0	1.0	2511.2	0.04	99.90
62.0-63.0	7.8	0.8	2511.9	0.03	99.93
63.0-64.0	6.5	0.6	2512.6	0.03	99.96
64.0-65.0	4.7	0.5	2513.0	0.02	99.98
65.0-66.0	2.8	0.3	2513.3	0.01	99.99
66.0-67.0	1.6	0.2	2513.5	0.01	99.99
67.0-68.0	0.9	0.1	2513.6	0.00	100.00
68.0-69.0	0.3	0.0	2513.6	0.00	100.00
69.0-70.0	0.0	0.0	2513.6	0.00	100.00
70.0-71.0	0.0	0.0	2513.6	0.00	100.00
71.0-72.0	0.0	0.0	2513.6	0.00	100.00

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
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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	6340.4	6340.4								
G1.0	6369.1	6286.8								
G2.0	6379.1	6212.0								
G3.0	6359.1	6111.0								
G4.0	6316.7	5997.6								
G5.0	6248.2	5861.7								
G6.0	6152.2	5708.4								
G7.0	6037.5	5533.9								
G8.0	5895.4	5339.4								
G9.0	5725.8	5127.4								
G10.0	5527.6	4891.8								
G11.0	5304.5	4641.3								
G12.0	5056.4	4378.2								
G13.0	4788.4	4097.7								
G14.0	4502.9	3812.2								
G15.0	4207.4	3519.3								
G16.0	3902.0	3225.1								
G17.0	3585.4	2934.6								
G18.0	3276.2	2654.1								
G19.0	2972.0	2383.6								
G20.0	2680.3	2133.0								
G21.0	2402.3	1899.9								
G22.0	2143.0	1683.0								
G23.0	1898.6	1488.5								
G24.0	1680.5	1312.7								
G25.0	1482.3	1151.9								
G26.0	1302.7	1007.3								
G27.0	1139.4	876.4								
G28.0	993.6	759.2								
G29.0	857.7	655.7								
G30.0	740.5	563.5								
G31.0	638.3	480.0								
G32.0	546.0	406.4								
G33.0	461.3	345.3								
G34.0	393.9	291.7								
G35.0	332.9	248.1								
G36.0	284.2	210.7								

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	240.6	179.5								
G38.0	206.9	154.6								
G39.0	179.5	137.1								
G40.0	157.1	120.9								
G41.0	139.6	108.5								
G42.0	124.7	98.5								
G43.0	110.9	89.8								
G44.0	101.0	82.3								
G45.0	91.0	76.1								
G46.0	86.0	69.8								
G47.0	78.5	64.8								
G48.0	71.1	59.8								
G49.0	67.3	56.1								
G50.0	61.1	49.9								
G51.0	56.1	44.9								
G52.0	51.1	38.7								
G53.0	44.9	33.7								
G54.0	39.9	29.9								
G55.0	34.9	24.9								
G56.0	28.7	20.0								
G57.0	23.7	18.7								
G58.0	20.0	16.2								
G59.0	18.7	12.5								
G60.0	16.2	10.0								
G61.0	15.0	8.7								
G62.0	10.0	6.2								
G63.0	8.7	6.2								
G64.0	6.2	5.0								
G65.0	6.2	1.3								
G66.0	3.7	0.0								
G67.0	2.5	0.0								
G68.0	1.3	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:  
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Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
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## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
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