

Report No.:91.06012 Cla Surface Mounted Test Time: 2024-10-07 20:51

Light

## Luminaire Property

Luminaire Category:

Voltage: 236.3 V

Power: 6.10 W

Current: 0.030 A

Power Factor: 0.850

## Photometric Results

CIE Class: Direct

Measurement Flux: 635.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H53.3

Vertical Diffuse Angle(50%): V53.3

Luminaire Efficacy Rating (LER): 104

Max. Intensity: 820.12 cd

Total Rated Lamp Lumens: 635.4 lm

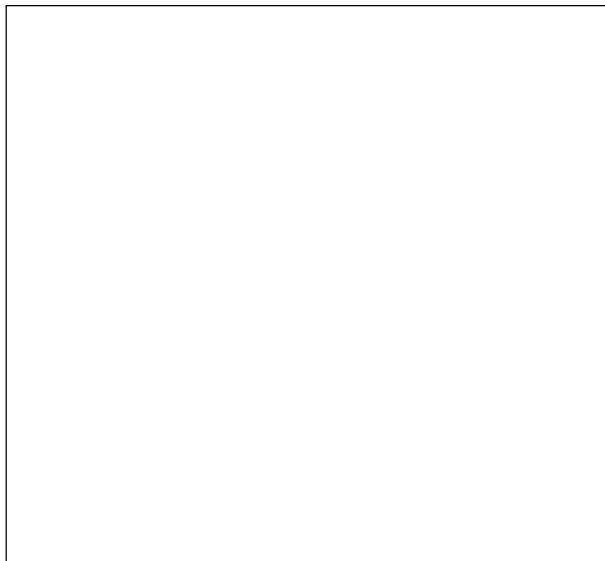
Efficiency: 100%

Upward Ratio: 0%

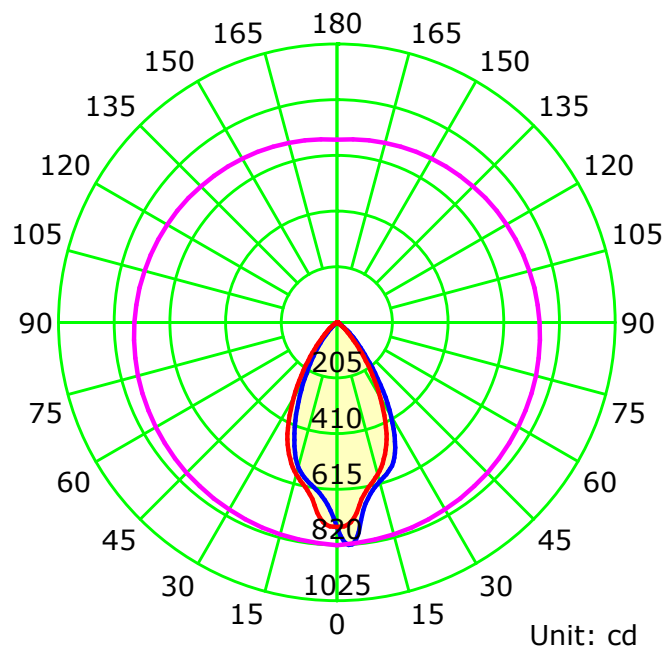
Central Intensity: 753.08 cd

Pos of Max. Intensity: H0 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

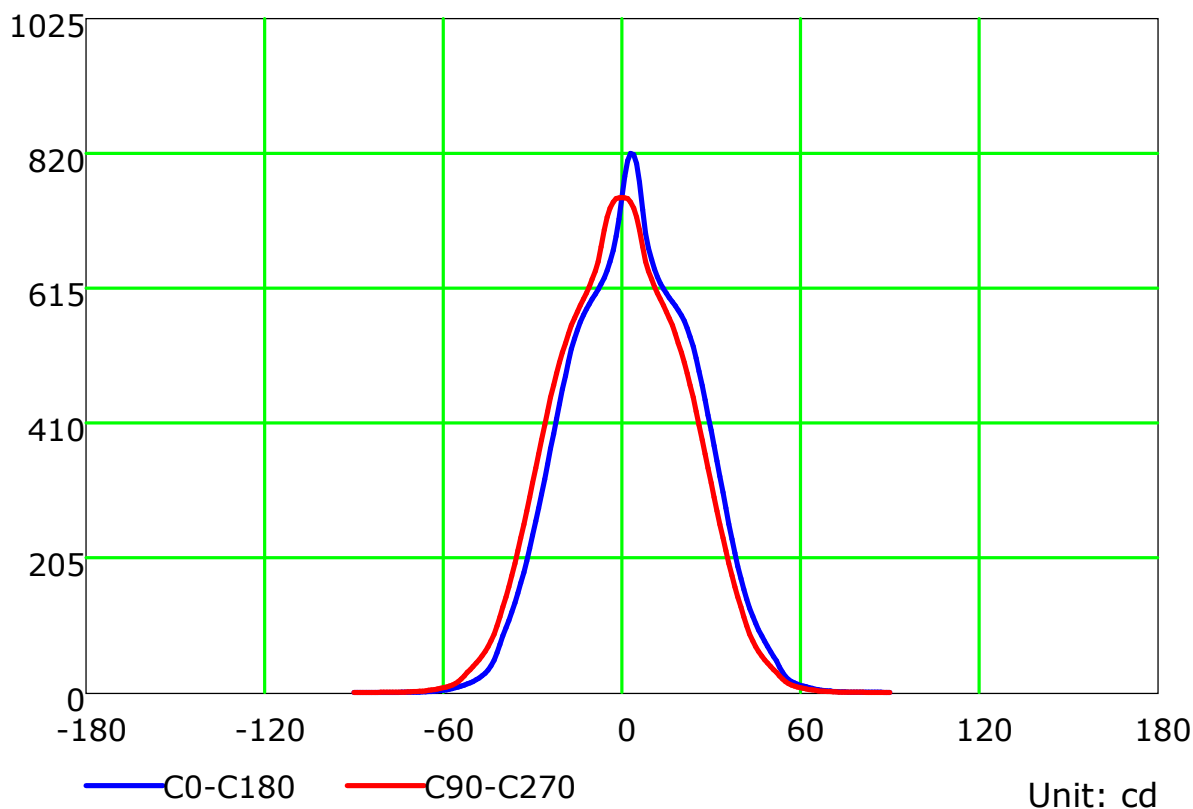
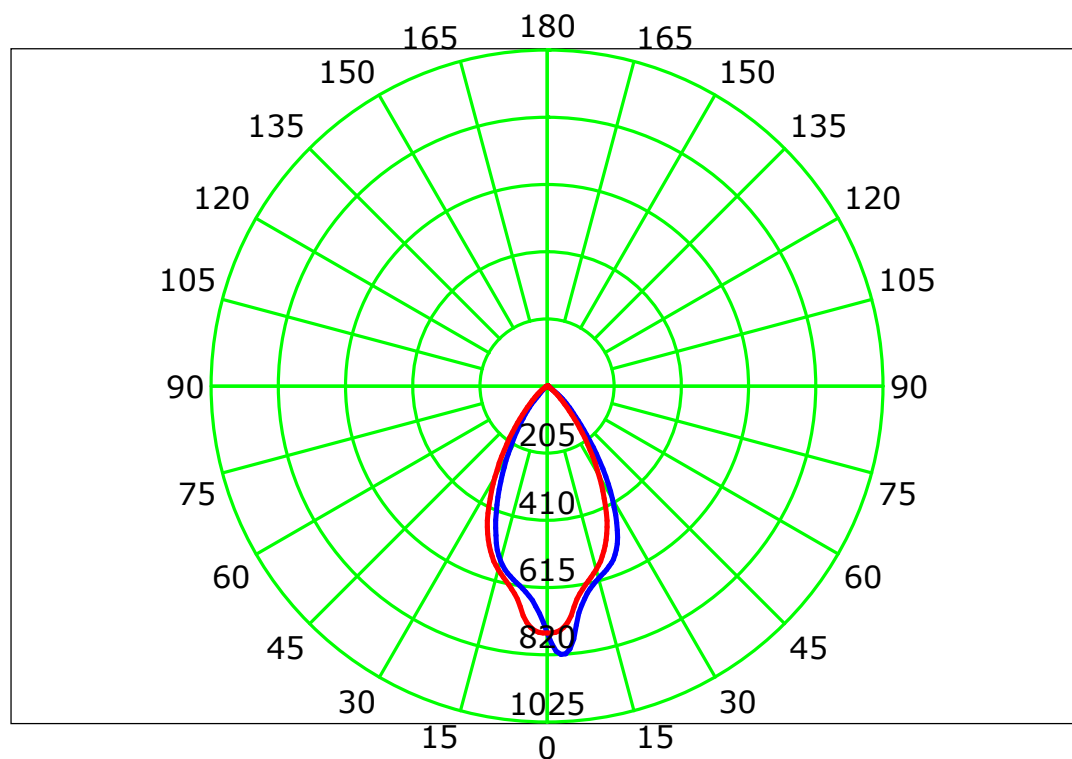
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## Luminous Intensity Distribution Curve

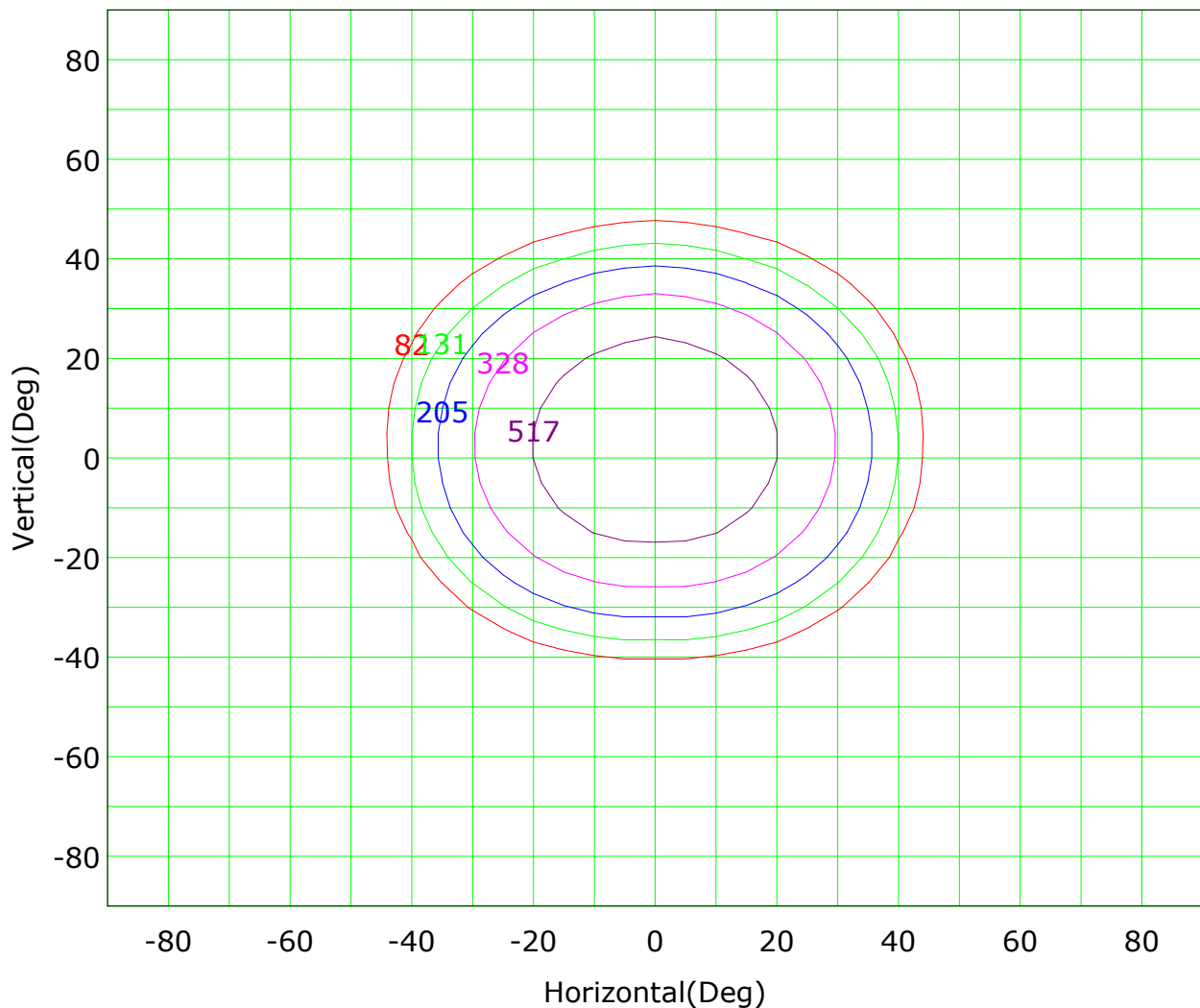


Unit: cd

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:

## Isocandela (rectangle)



Imax (100%): 820 cd

( 10%): 82 cd	( 16%): 131 cd
( 25%): 205 cd	( 40%): 328 cd
( 63%): 517 cd	(100%): 820 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

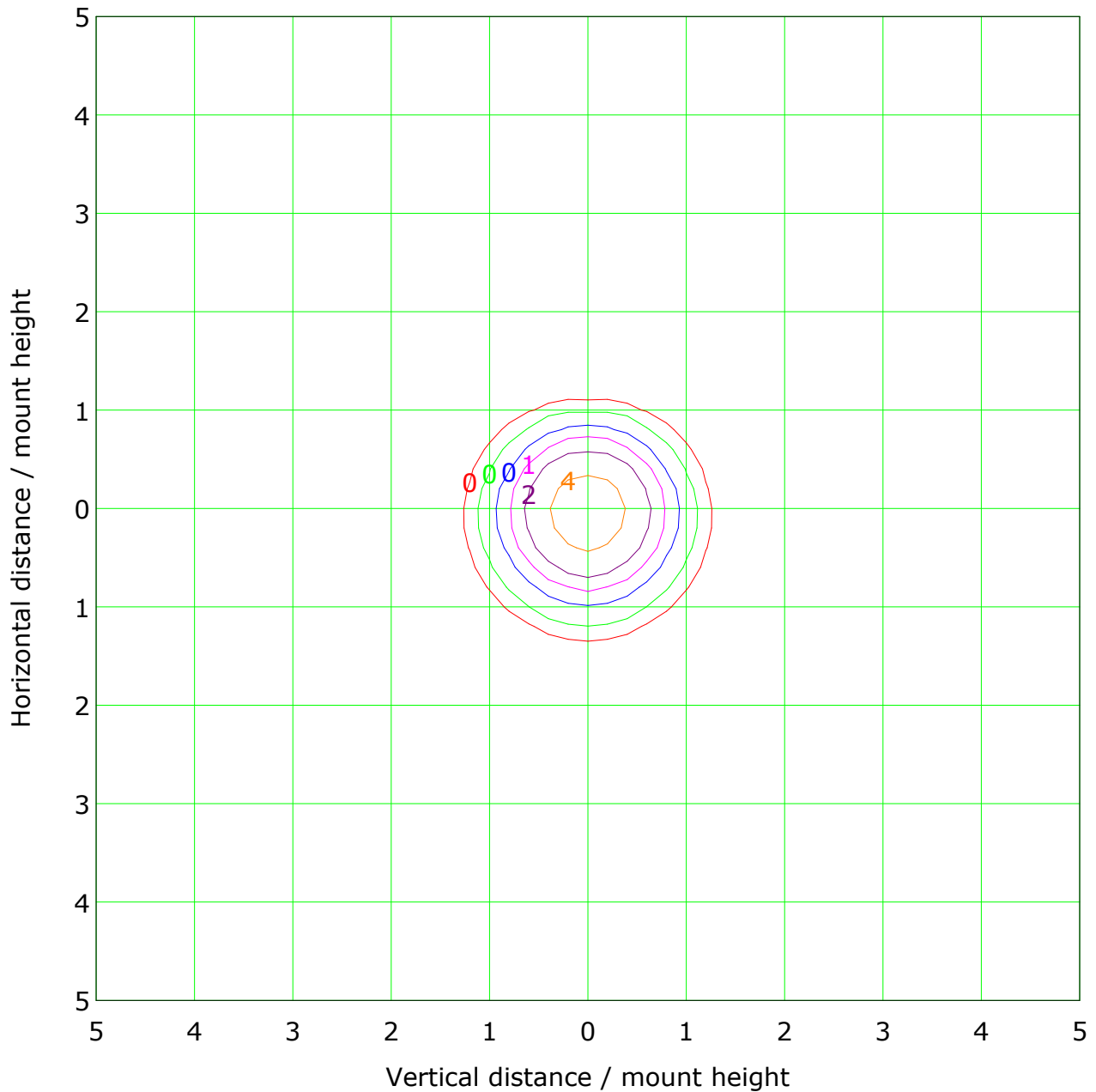
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot

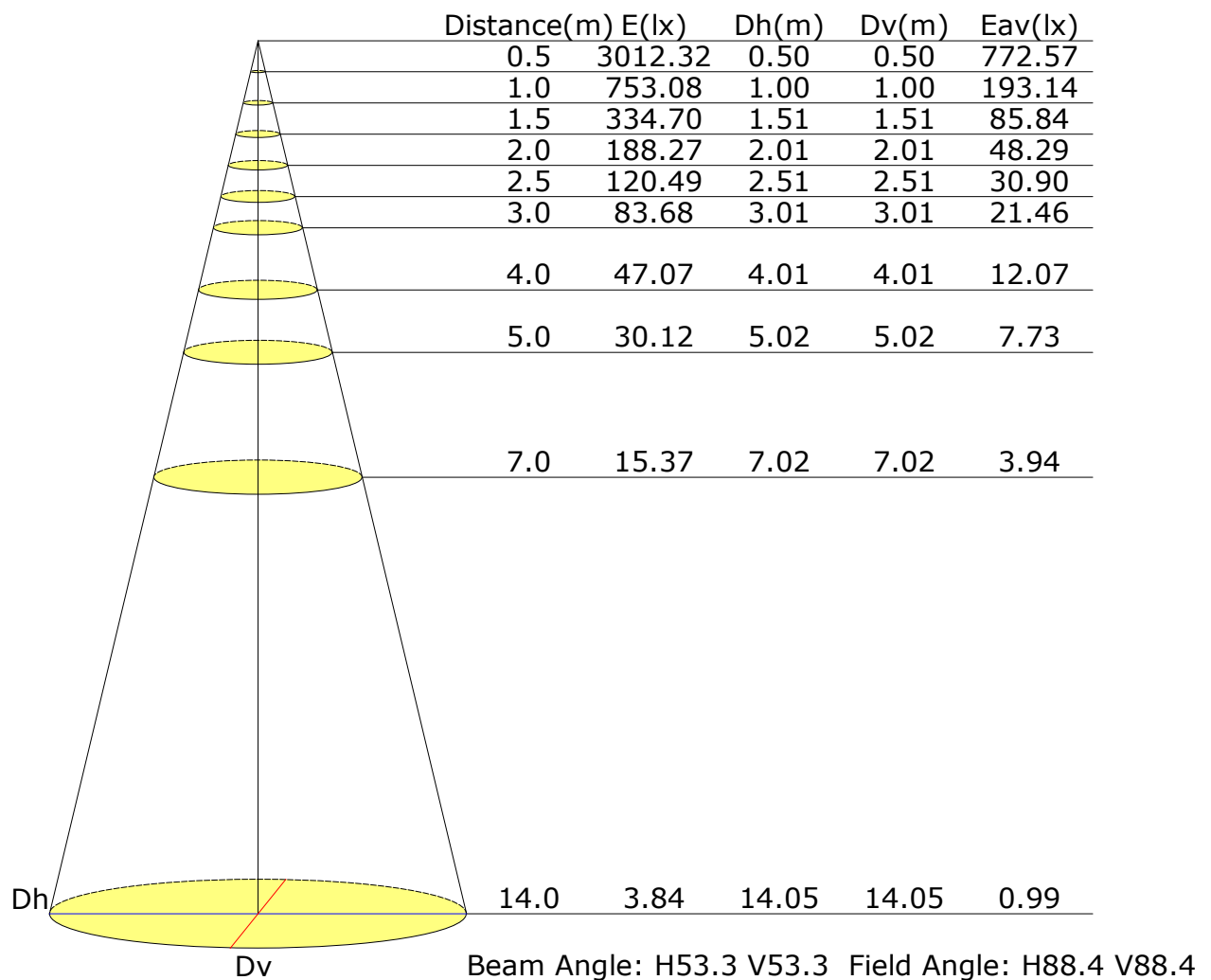


Mounting Height: 10m		Max Lux(100%): 8 lx	
( 1%):	0 lx	( 2%):	0 lx
( 5%):	0 lx	( 10%):	1 lx
( 20%):	2 lx	( 50%):	4 lx
(100%):	8 lx		

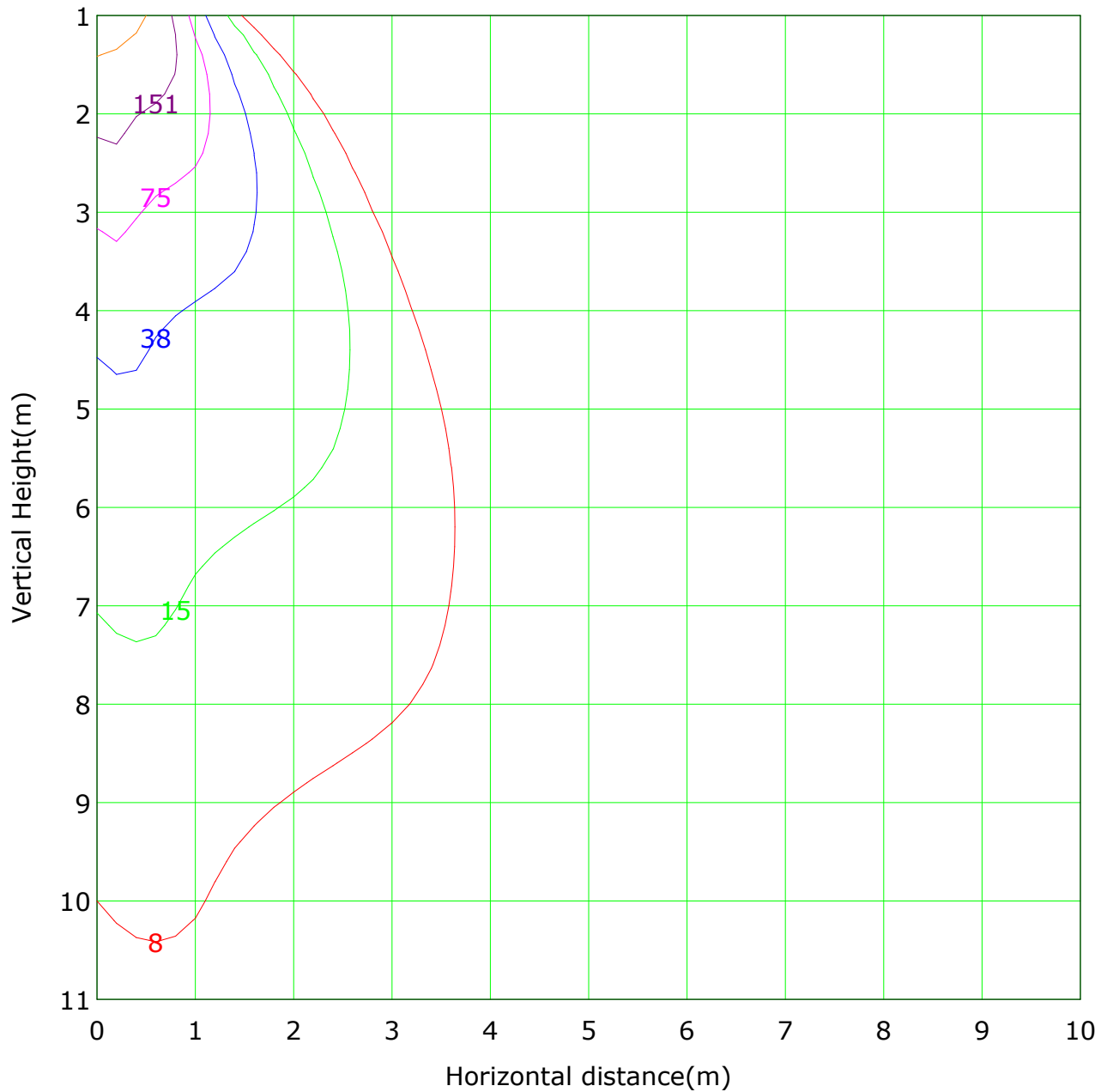
C Plane (°):0.0-180.0: 180.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

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

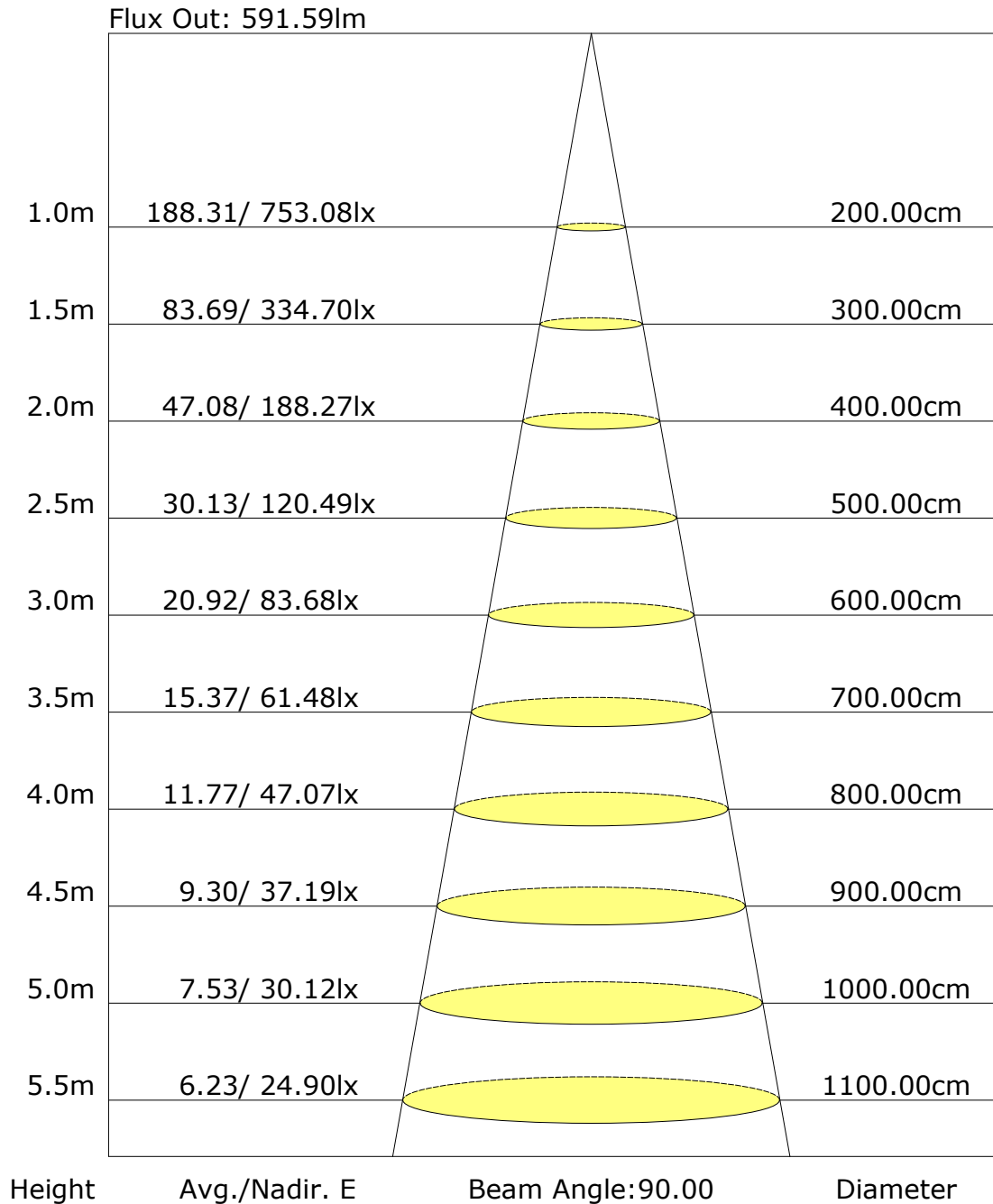


Lowest(m): 1m    Highest(m): 11    Max Lux: 753	
( 1%): 8 lx	( 2%): 15 lx
( 5%): 38 lx	( 10%): 75 lx
( 20%): 151 lx	( 50%): 377 lx
(100%): 753 lx	

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	753.0	0.7	0.7	0.11	0.11
1.0-2.0	752.2	2.2	2.9	0.34	0.45
2.0-3.0	749.0	3.6	6.5	0.56	1.02
3.0-4.0	741.7	5.0	11.4	0.78	1.80
4.0-5.0	730.3	6.3	17.7	0.99	2.79
5.0-6.0	713.6	7.5	25.2	1.18	3.97
6.0-7.0	691.0	8.6	33.8	1.35	5.32
7.0-8.0	667.0	9.5	43.3	1.50	6.82
8.0-9.0	648.5	10.5	53.8	1.65	8.47
9.0-10.0	635.0	11.5	65.3	1.81	10.28
10.0-11.0	623.1	12.5	77.8	1.96	12.24
11.0-12.0	612.6	13.4	91.2	2.11	14.35
12.0-13.0	603.2	14.3	105.5	2.25	16.60
13.0-14.0	593.8	15.2	120.7	2.39	19.00
14.0-15.0	584.3	16.0	136.7	2.52	21.52
15.0-16.0	574.5	16.8	153.6	2.65	24.17
16.0-17.0	564.1	17.6	171.2	2.76	26.94
17.0-18.0	552.2	18.2	189.4	2.87	29.80
18.0-19.0	538.8	18.7	208.1	2.95	32.75
19.0-20.0	524.7	19.2	227.3	3.02	35.77
20.0-21.0	510.0	19.6	246.9	3.08	38.86
21.0-22.0	494.0	19.9	266.8	3.12	41.98
22.0-23.0	476.6	20.0	286.8	3.15	45.13
23.0-24.0	458.4	20.0	306.8	3.15	48.28
24.0-25.0	438.5	19.9	326.7	3.14	51.42
25.0-26.0	417.4	19.7	346.4	3.10	54.52
26.0-27.0	395.7	19.4	365.8	3.05	57.57
27.0-28.0	373.8	18.9	384.7	2.98	60.55
28.0-29.0	352.2	18.4	403.2	2.90	63.45
29.0-30.0	330.3	17.8	421.0	2.81	66.26
30.0-31.0	308.4	17.2	438.2	2.70	68.96
31.0-32.0	287.0	16.4	454.6	2.59	71.54
32.0-33.0	266.1	15.7	470.3	2.47	74.01
33.0-34.0	245.7	14.9	485.2	2.34	76.35
34.0-35.0	225.7	14.0	499.2	2.21	78.56
35.0-36.0	206.2	13.1	512.3	2.07	80.63

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	187.2	12.2	524.5	1.92	82.55
37.0-38.0	169.6	11.3	535.8	1.78	84.33
38.0-39.0	153.3	10.5	546.3	1.65	85.98
39.0-40.0	137.8	9.6	555.9	1.51	87.49
40.0-41.0	122.6	8.7	564.6	1.37	88.86
41.0-42.0	108.2	7.9	572.5	1.24	90.10
42.0-43.0	95.2	7.0	579.6	1.11	91.21
43.0-44.0	83.8	6.3	585.9	1.00	92.21
44.0-45.0	74.2	5.7	591.6	0.90	93.10
45.0-46.0	66.1	5.2	596.8	0.81	93.92
46.0-47.0	59.2	4.7	601.5	0.74	94.66
47.0-48.0	53.0	4.3	605.7	0.67	95.33
48.0-49.0	47.5	3.9	609.6	0.61	95.95
49.0-50.0	42.2	3.5	613.2	0.55	96.50
50.0-51.0	37.3	3.2	616.3	0.50	97.00
51.0-52.0	32.8	2.8	619.1	0.44	97.44
52.0-53.0	28.1	2.4	621.6	0.38	97.82
53.0-54.0	23.0	2.0	623.6	0.32	98.14
54.0-55.0	18.6	1.7	625.3	0.26	98.41
55.0-56.0	15.1	1.4	626.6	0.22	98.62
56.0-57.0	12.6	1.2	627.8	0.18	98.80
57.0-58.0	10.7	1.0	628.8	0.16	98.96
58.0-59.0	9.2	0.9	629.6	0.14	99.09
59.0-60.0	7.9	0.8	630.4	0.12	99.21
60.0-61.0	6.9	0.7	631.1	0.10	99.31
61.0-62.0	6.1	0.6	631.6	0.09	99.41
62.0-63.0	5.3	0.5	632.2	0.08	99.49
63.0-64.0	4.5	0.4	632.6	0.07	99.56
64.0-65.0	3.8	0.4	633.0	0.06	99.62
65.0-66.0	3.1	0.3	633.3	0.05	99.66
66.0-67.0	2.6	0.3	633.5	0.04	99.70
67.0-68.0	2.3	0.2	633.8	0.04	99.74
68.0-69.0	2.0	0.2	634.0	0.03	99.77
69.0-70.0	1.8	0.2	634.1	0.03	99.80
70.0-71.0	1.5	0.2	634.3	0.02	99.83
71.0-72.0	1.2	0.1	634.4	0.02	99.85

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	753.1	753.1								
G1.0	785.1	720.7								
G2.0	809.1	694.1								
G3.0	820.1	672.8								
G4.0	818.5	655.6								
G5.0	804.7	642.2								
G6.0	776.4	631.2								
G7.0	734.5	621.8								
G8.0	698.7	613.2								
G9.0	676.2	606.0								
G10.0	658.8	598.8								
G11.0	643.8	590.9								
G12.0	632.4	583.1								
G13.0	622.8	574.3								
G14.0	614.5	563.6								
G15.0	607.3	551.6								
G16.0	600.9	538.3								
G17.0	594.5	522.7								
G18.0	588.5	503.2								
G19.0	581.5	481.9								
G20.0	574.1	461.2								
G21.0	565.7	438.9								
G22.0	554.6	416.6								
G23.0	541.5	393.8								
G24.0	526.6	371.5								
G25.0	508.5	347.5								
G26.0	488.9	324.6								
G27.0	467.4	301.9								
G28.0	445.2	280.7								
G29.0	422.1	260.7								
G30.0	398.9	239.5								
G31.0	375.7	219.4								
G32.0	352.6	200.3								
G33.0	328.9	182.9								
G34.0	304.5	166.6								
G35.0	280.7	151.1								
G36.0	256.5	136.4								

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	233.6	122.4								
G38.0	212.4	109.9								
G39.0	192.1	98.8								
G40.0	173.8	86.4								
G41.0	157.1	73.3								
G42.0	142.0	60.6								
G43.0	128.4	49.7								
G44.0	116.3	40.7								
G45.0	105.3	34.4								
G46.0	95.3	29.5								
G47.0	86.3	25.5								
G48.0	78.1	22.1								
G49.0	70.1	19.5								
G50.0	62.2	17.0								
G51.0	54.9	15.0								
G52.0	48.3	13.2								
G53.0	39.3	11.7								
G54.0	31.2	9.9								
G55.0	24.7	8.6								
G56.0	20.0	7.3								
G57.0	17.0	6.1								
G58.0	14.6	5.1								
G59.0	12.8	4.2								
G60.0	11.2	3.6								
G61.0	9.9	3.0								
G62.0	8.8	2.6								
G63.0	7.6	2.1								
G64.0	6.6	1.6								
G65.0	5.3	1.5								
G66.0	4.5	1.0								
G67.0	3.8	1.0								
G68.0	3.3	0.9								
G69.0	2.9	0.9								
G70.0	2.5	0.9								
G71.0	1.9	0.9								
G72.0	1.6	0.6								
G73.0	1.2	0.6								

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  
Distance: 3.328 m  
Humidity:  
Inspector:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
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