

Report No.:

Test Time: 2024-08-28 14:26

Luminaire Property

Luminaire Category:

Luminaire Description: 51.04519 38D

Current: 0.028 A

Power Factor: 0.477

Voltage: 220.6 V

Power: 3.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 238.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H33.1

Vertical Diffuse Angle(50%): V33.1

Luminaire Efficacy Rating (LER): 79

Max. Intensity: 650.04 cd

Total Rated Lamp Lumens: 238.1 lm

Efficiency: 100%

Upward Ratio: 0%

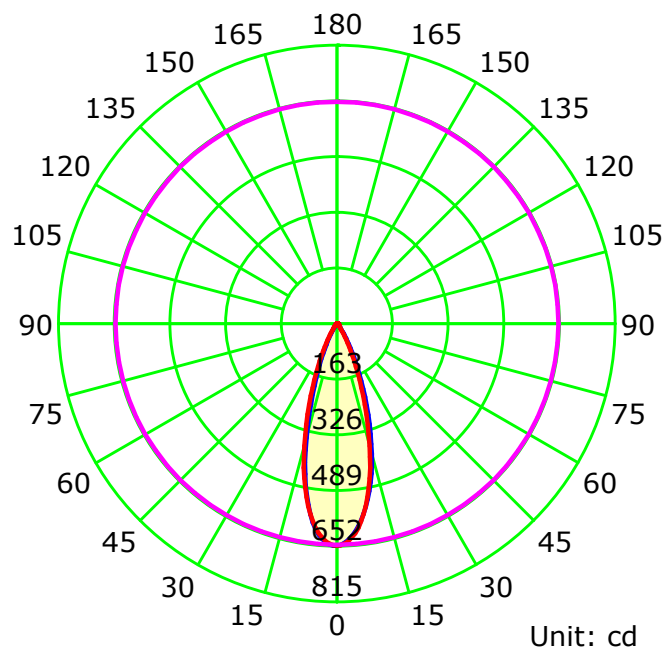
Central Intensity: 649.91 cd

Pos of Max. Intensity: H180 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

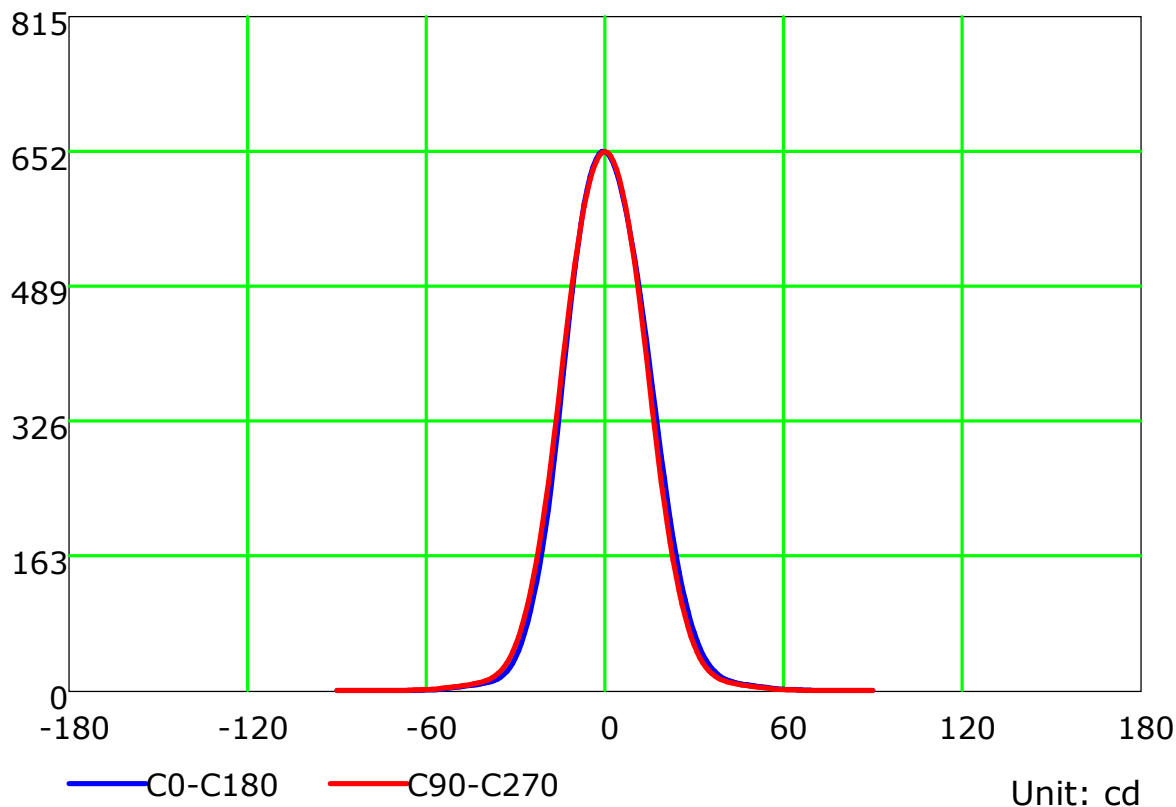
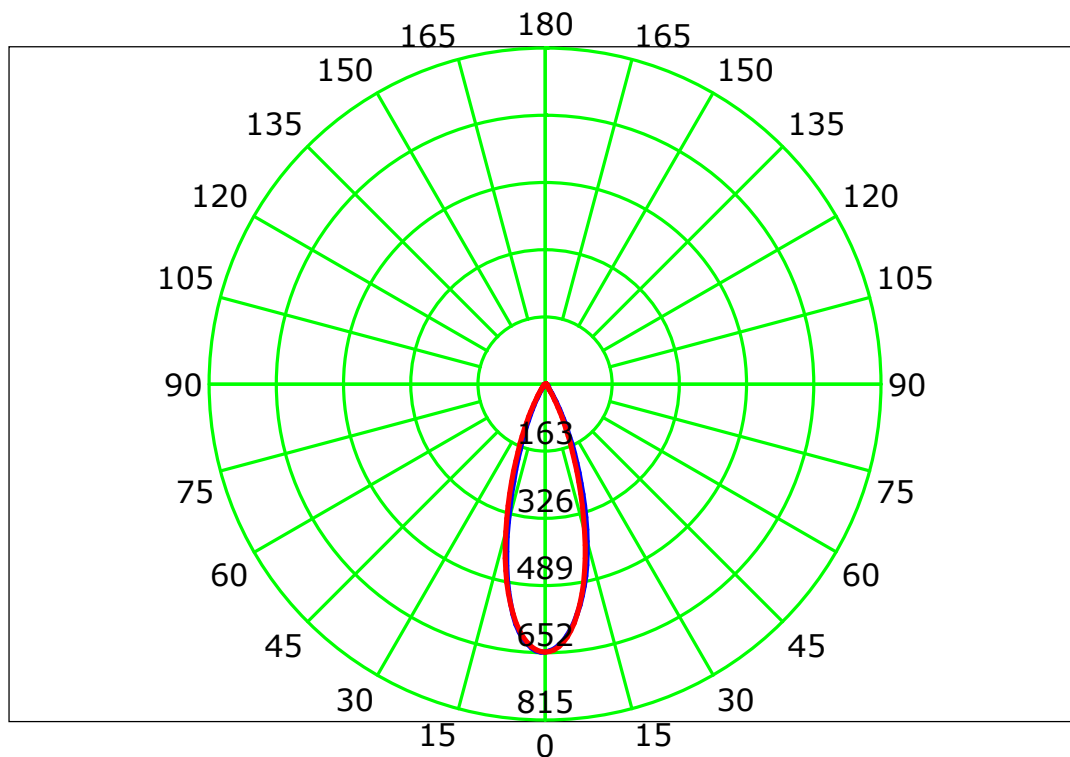
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

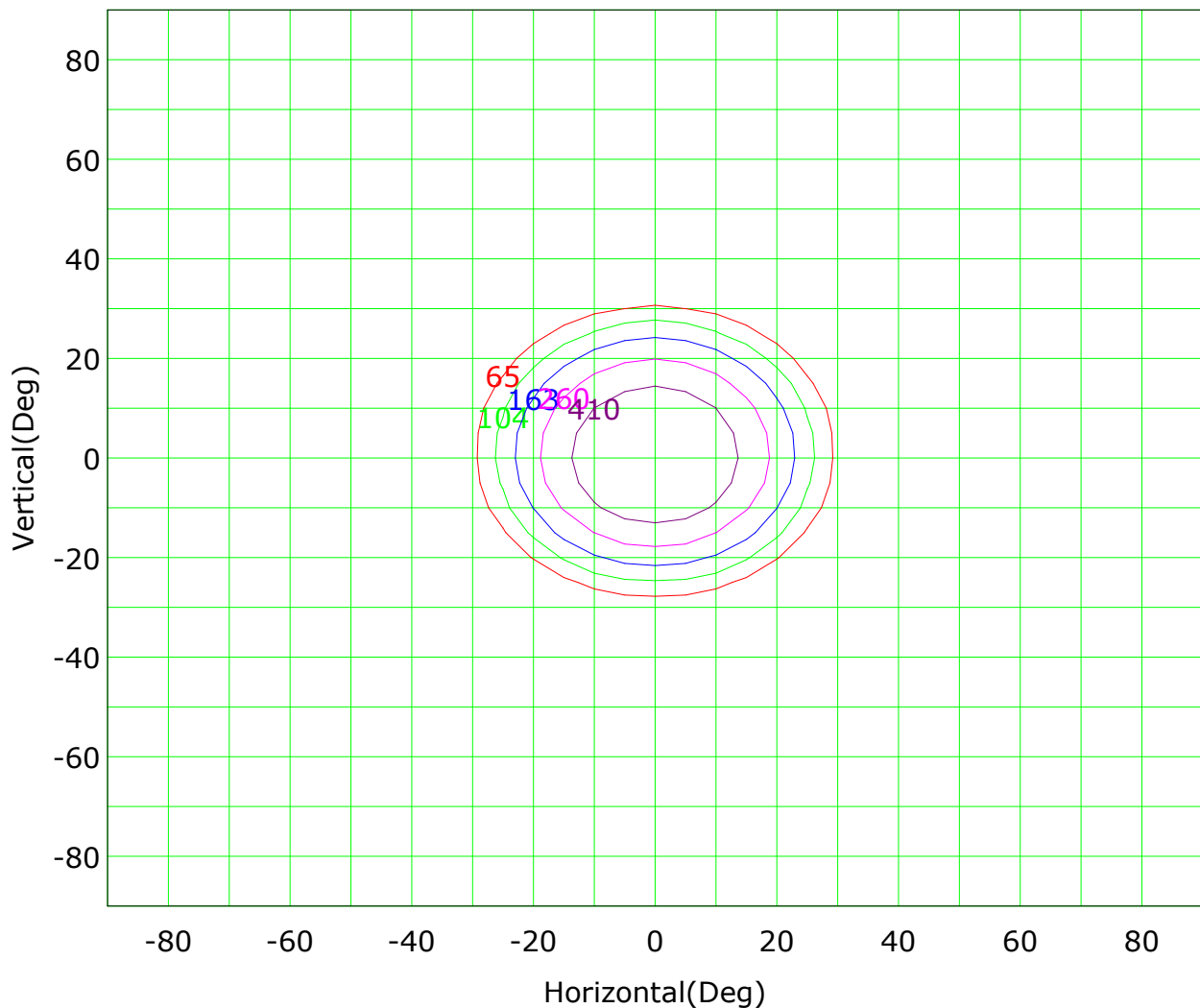
Luminous Intensity Distribution Curve



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%): 650 cd

(10%):	65 cd	(16%):	104 cd
(25%):	163 cd	(40%):	260 cd
(63%):	410 cd	(100%):	650 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

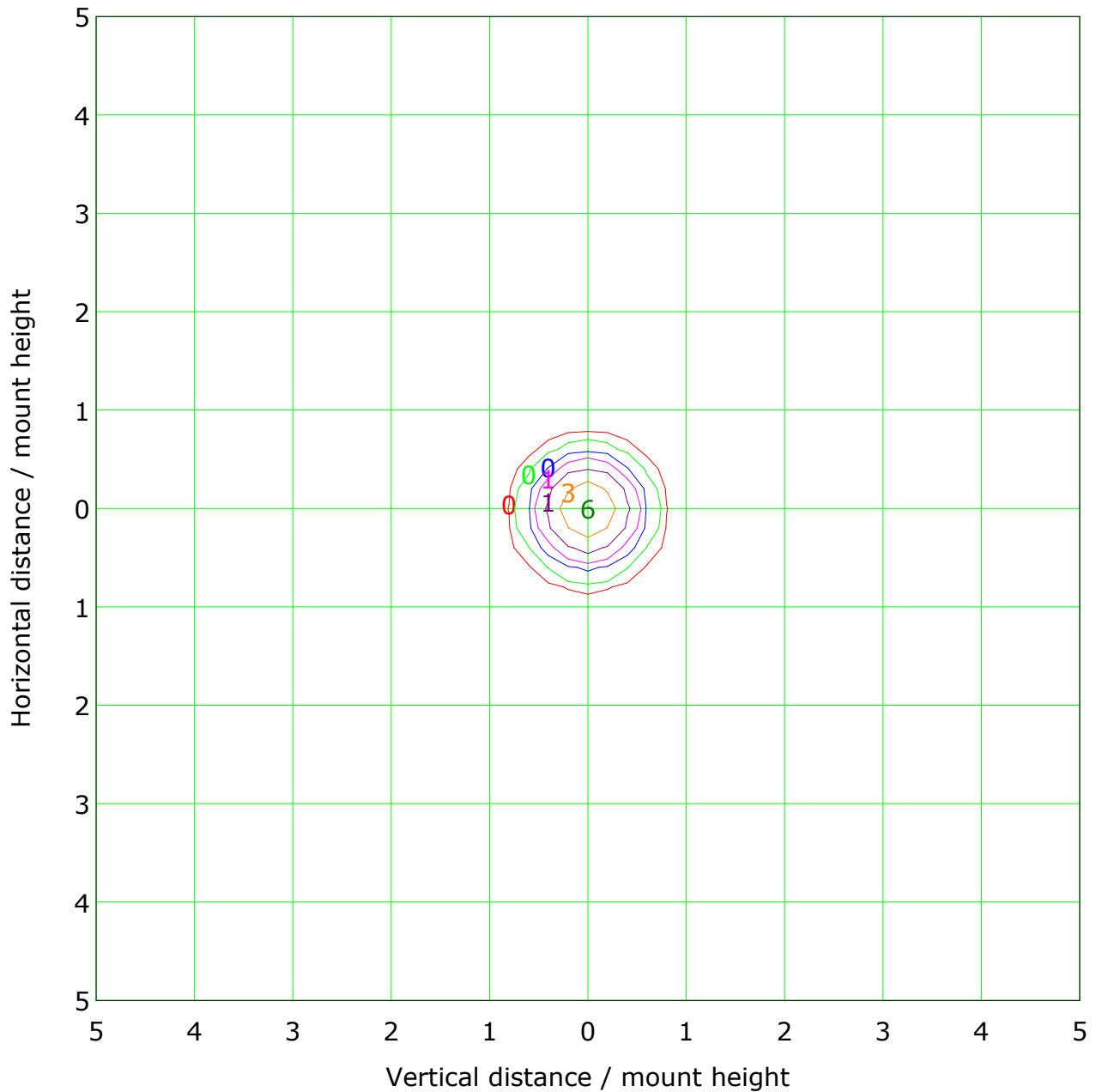
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



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

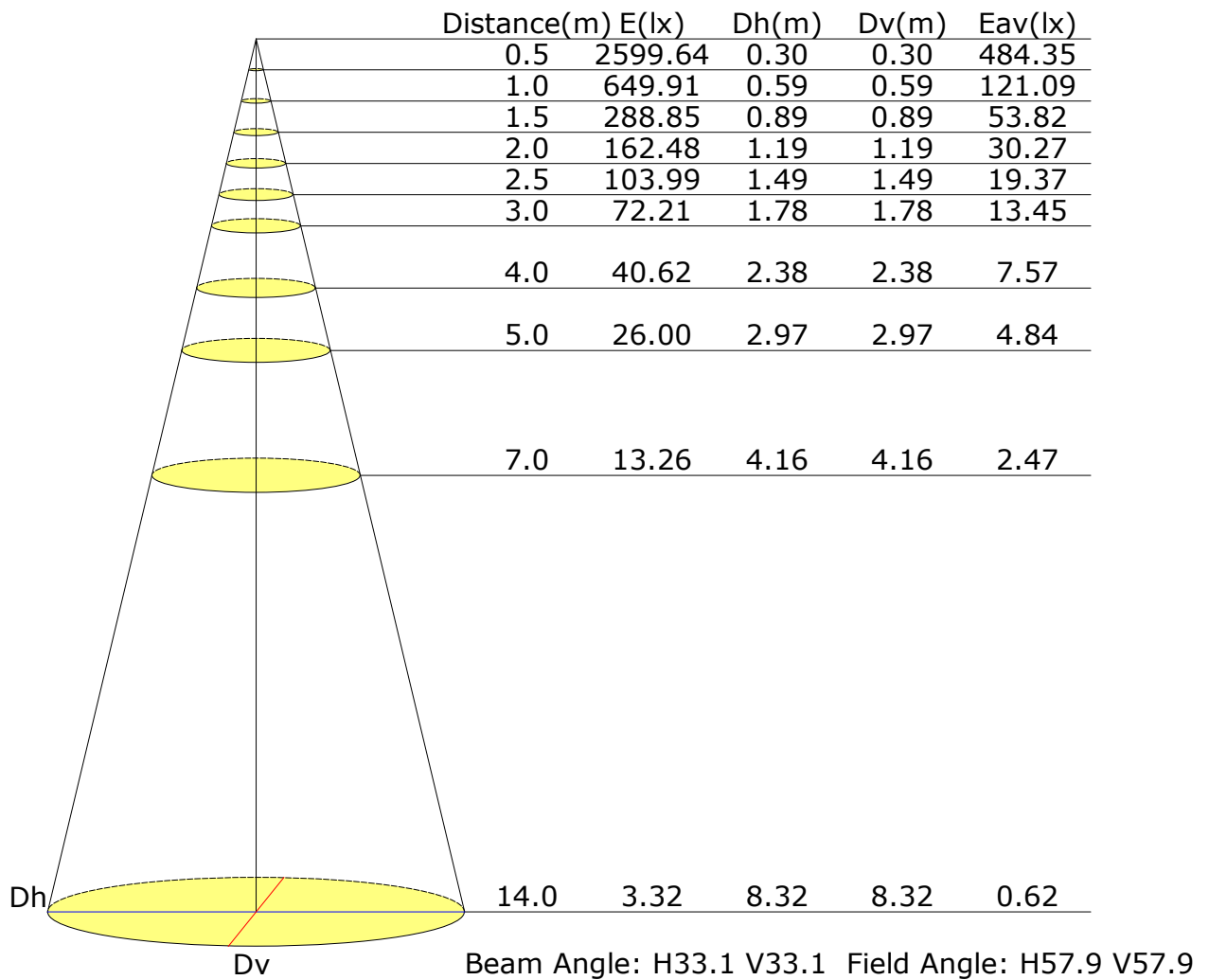
Test Device: CHL-6E

Distance: 3.328 m

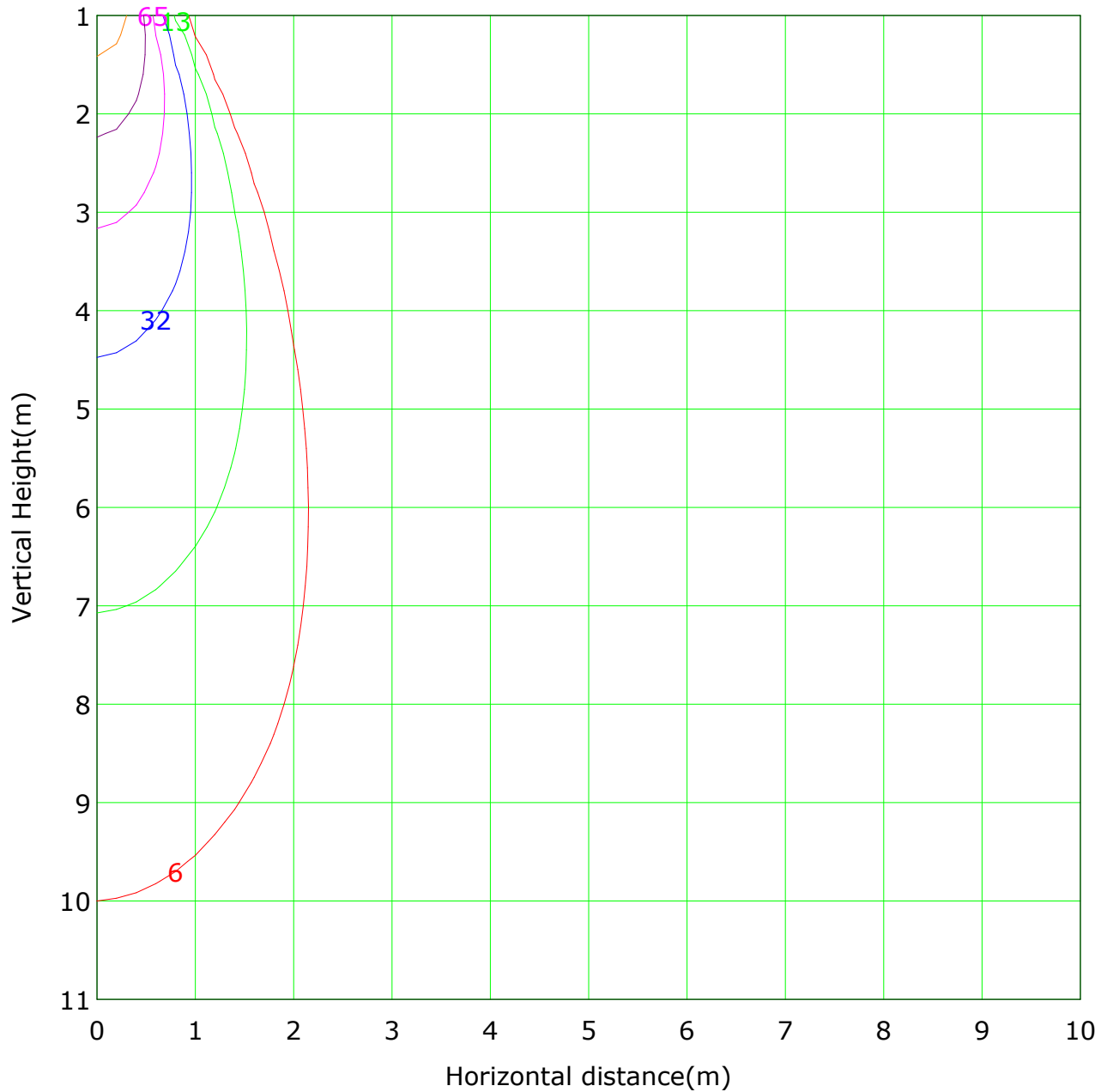
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



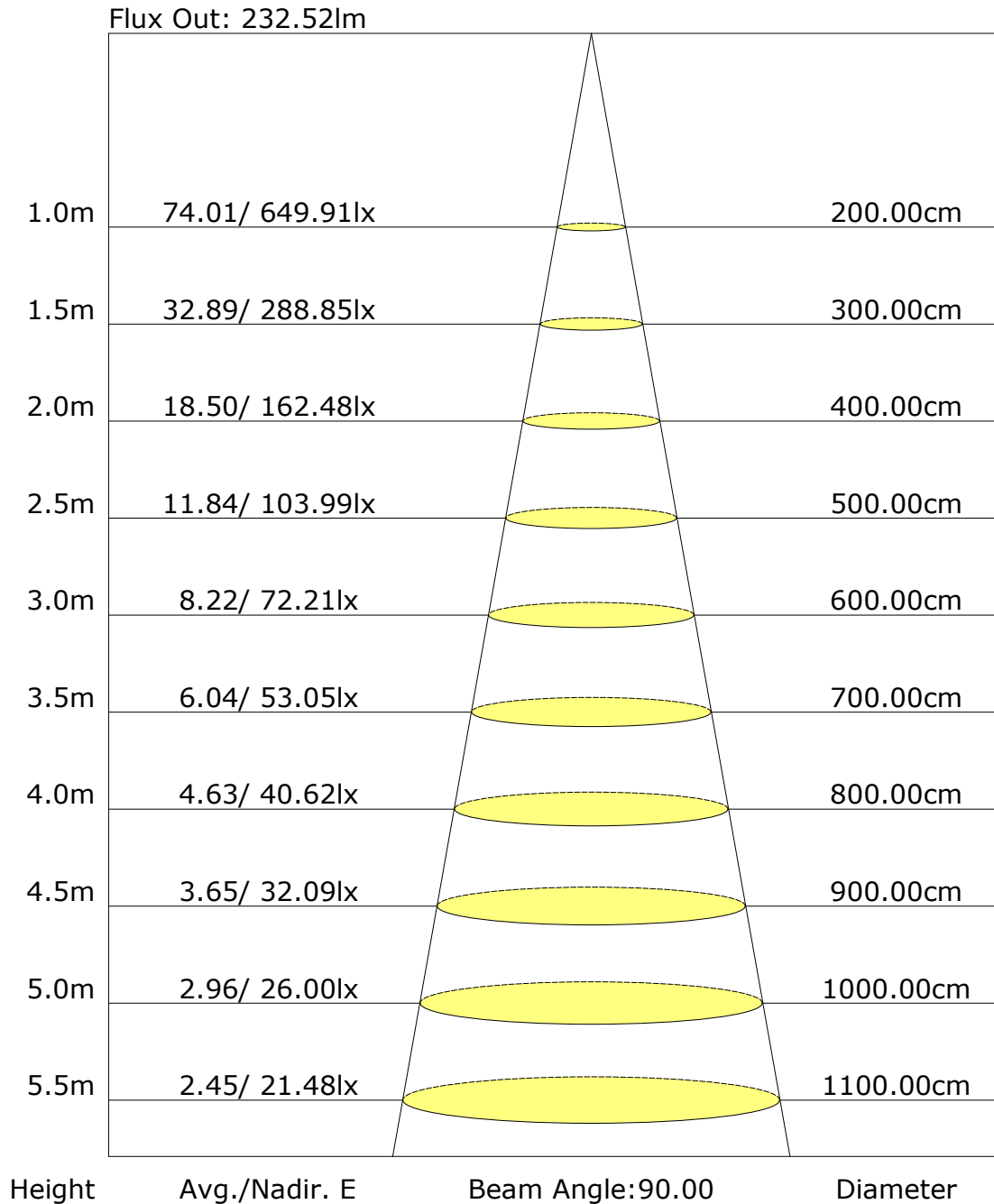
Lowest(m): 1m Highest(m): 11 Max Lux: 650

(1%): 6 lx	(2%): 13 lx
(5%): 32 lx	(10%): 65 lx
(20%): 130 lx	(50%): 325 lx
(100%): 650 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	649.3	0.6	0.6	0.26	0.26
1.0-2.0	646.7	1.9	2.5	0.78	1.04
2.0-3.0	641.3	3.1	5.5	1.29	2.33
3.0-4.0	633.0	4.2	9.8	1.78	4.11
4.0-5.0	622.1	5.4	15.1	2.25	6.36
5.0-6.0	608.7	6.4	21.5	2.69	9.04
6.0-7.0	592.4	7.4	28.9	3.09	12.13
7.0-8.0	573.4	8.2	37.1	3.45	15.58
8.0-9.0	552.0	8.9	46.0	3.76	19.34
9.0-10.0	528.5	9.6	55.6	4.02	23.35
10.0-11.0	503.3	10.1	65.7	4.22	27.58
11.0-12.0	476.7	10.4	76.1	4.38	31.95
12.0-13.0	448.2	10.6	86.7	4.47	36.42
13.0-14.0	418.0	10.7	97.4	4.49	40.91
14.0-15.0	386.6	10.6	108.0	4.46	45.37
15.0-16.0	355.0	10.4	118.4	4.37	49.74
16.0-17.0	324.0	10.1	128.5	4.24	53.98
17.0-18.0	294.0	9.7	138.2	4.07	58.05
18.0-19.0	265.2	9.2	147.5	3.88	61.93
19.0-20.0	238.2	8.7	156.2	3.66	65.59
20.0-21.0	213.0	8.2	164.4	3.44	69.02
21.0-22.0	189.4	7.6	172.0	3.20	72.22
22.0-23.0	167.6	7.0	179.0	2.95	75.17
23.0-24.0	147.4	6.4	185.5	2.71	77.88
24.0-25.0	128.8	5.9	191.3	2.46	80.34
25.0-26.0	111.9	5.3	196.6	2.22	82.56
26.0-27.0	96.7	4.7	201.3	1.99	84.55
27.0-28.0	83.1	4.2	205.5	1.77	86.31
28.0-29.0	70.8	3.7	209.2	1.56	87.87
29.0-30.0	60.0	3.2	212.5	1.36	89.23
30.0-31.0	50.8	2.8	215.3	1.19	90.42
31.0-32.0	43.0	2.5	217.8	1.03	91.45
32.0-33.0	36.3	2.1	219.9	0.90	92.35
33.0-34.0	30.7	1.9	221.8	0.78	93.13
34.0-35.0	26.0	1.6	223.4	0.68	93.81
35.0-36.0	22.2	1.4	224.8	0.59	94.40

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	19.1	1.2	226.0	0.52	94.92
37.0-38.0	16.5	1.1	227.1	0.46	95.39
38.0-39.0	14.4	1.0	228.1	0.41	95.80
39.0-40.0	12.7	0.9	229.0	0.37	96.17
40.0-41.0	11.4	0.8	229.8	0.34	96.51
41.0-42.0	10.3	0.7	230.6	0.31	96.83
42.0-43.0	9.4	0.7	231.3	0.29	97.12
43.0-44.0	8.6	0.6	231.9	0.27	97.39
44.0-45.0	7.9	0.6	232.5	0.25	97.65
45.0-46.0	7.2	0.6	233.1	0.24	97.88
46.0-47.0	6.6	0.5	233.6	0.22	98.11
47.0-48.0	6.2	0.5	234.1	0.21	98.31
48.0-49.0	5.6	0.5	234.6	0.19	98.51
49.0-50.0	5.2	0.4	235.0	0.18	98.69
50.0-51.0	4.7	0.4	235.4	0.17	98.86
51.0-52.0	4.3	0.4	235.8	0.15	99.01
52.0-53.0	3.9	0.3	236.1	0.14	99.15
53.0-54.0	3.4	0.3	236.4	0.13	99.28
54.0-55.0	2.9	0.3	236.7	0.11	99.39
55.0-56.0	2.5	0.2	236.9	0.09	99.48
56.0-57.0	2.0	0.2	237.1	0.08	99.56
57.0-58.0	1.7	0.2	237.2	0.07	99.63
58.0-59.0	1.5	0.1	237.4	0.06	99.68
59.0-60.0	1.3	0.1	237.5	0.05	99.74
60.0-61.0	1.2	0.1	237.6	0.05	99.78
61.0-62.0	1.0	0.1	237.7	0.04	99.83
62.0-63.0	0.9	0.1	237.8	0.04	99.86
63.0-64.0	0.8	0.1	237.9	0.03	99.89
64.0-65.0	0.6	0.1	237.9	0.03	99.92
65.0-66.0	0.5	0.0	238.0	0.02	99.94
66.0-67.0	0.4	0.0	238.0	0.02	99.96
67.0-68.0	0.3	0.0	238.1	0.01	99.97
68.0-69.0	0.3	0.0	238.1	0.01	99.98
69.0-70.0	0.2	0.0	238.1	0.01	99.99
70.0-71.0	0.1	0.0	238.1	0.01	100.00
71.0-72.0	0.1	0.0	238.1	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	649.9	649.9								
G1.0	647.4	650.0								
G2.0	642.3	647.0								
G3.0	635.0	640.8								
G4.0	624.5	631.7								
G5.0	612.3	620.0								
G6.0	597.3	605.2								
G7.0	580.5	586.6								
G8.0	562.5	564.0								
G9.0	542.9	538.7								
G10.0	521.7	510.7								
G11.0	499.3	481.6								
G12.0	475.4	450.4								
G13.0	450.2	416.9								
G14.0	423.1	382.0								
G15.0	395.0	346.4								
G16.0	366.9	311.6								
G17.0	338.3	279.2								
G18.0	310.1	248.4								
G19.0	282.7	219.6								
G20.0	256.4	194.0								
G21.0	230.7	171.1								
G22.0	206.5	149.5								
G23.0	183.7	130.6								
G24.0	162.3	113.1								
G25.0	143.1	96.8								
G26.0	125.4	82.4								
G27.0	109.6	69.4								
G28.0	95.1	58.2								
G29.0	81.6	48.4								
G30.0	70.0	40.0								
G31.0	60.0	33.2								
G32.0	51.3	27.4								
G33.0	43.6	22.8								
G34.0	36.9	19.4								
G35.0	31.3	16.5								
G36.0	26.7	14.3								

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	22.8	12.7								
G38.0	19.6	11.1								
G39.0	16.9	10.1								
G40.0	14.6	9.3								
G41.0	12.9	8.6								
G42.0	11.8	7.9								
G43.0	10.6	7.3								
G44.0	9.6	6.8								
G45.0	8.8	6.3								
G46.0	7.9	5.8								
G47.0	7.3	5.5								
G48.0	6.9	5.0								
G49.0	6.2	4.5								
G50.0	6.0	4.0								
G51.0	5.2	3.7								
G52.0	4.8	3.2								
G53.0	4.5	3.0								
G54.0	4.0	2.2								
G55.0	3.7	1.9								
G56.0	3.0	1.4								
G57.0	2.6	1.1								
G58.0	2.1	1.0								
G59.0	1.9	0.9								
G60.0	1.7	0.9								
G61.0	1.5	0.6								
G62.0	1.4	0.5								
G63.0	1.2	0.4								
G64.0	1.2	0.4								
G65.0	0.9	0.1								
G66.0	0.9	0.1								
G67.0	0.5	0.0								
G68.0	0.6	0.0								
G69.0	0.5	0.0								
G70.0	0.4	0.0								
G71.0	0.1	0.0								
G72.0	0.1	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

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: