

Report No.: AX-DL-VE-32W-075

Test Time: 2024-10-13 17:38

Luminaire Property

Luminaire Category:

Luminaire Description: 15D

Current: 0.142 A

Power Factor: 0.978

Voltage: 233.7 V

Power: 32.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3500.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H32.1

Vertical Diffuse Angle(50%): V32.1

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 8854.92 cd

Total Rated Lamp Lumens: 3500.6 lm

Efficiency: 100%

Upward Ratio: 0%

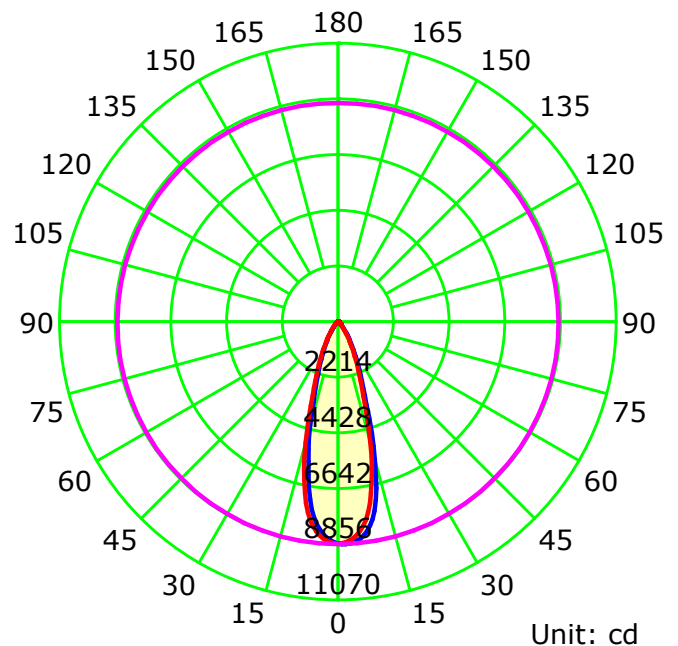
Central Intensity: 8821.25 cd

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

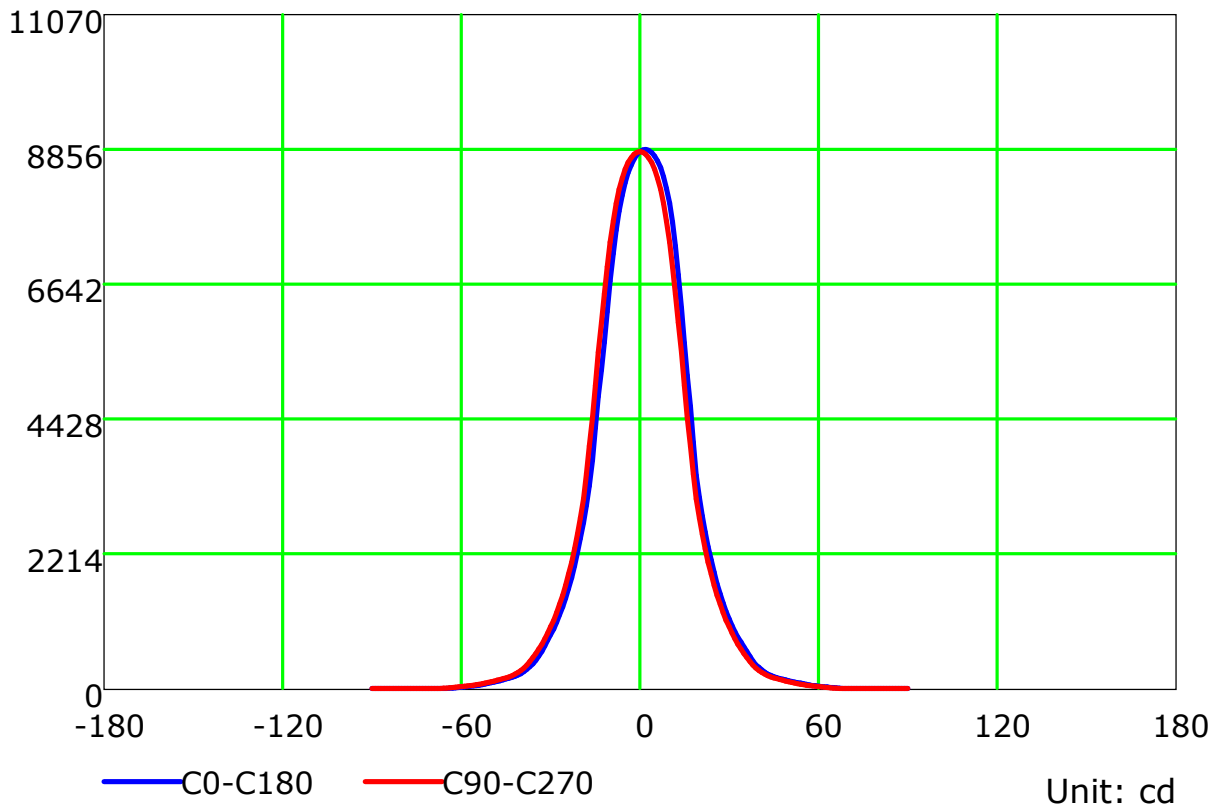
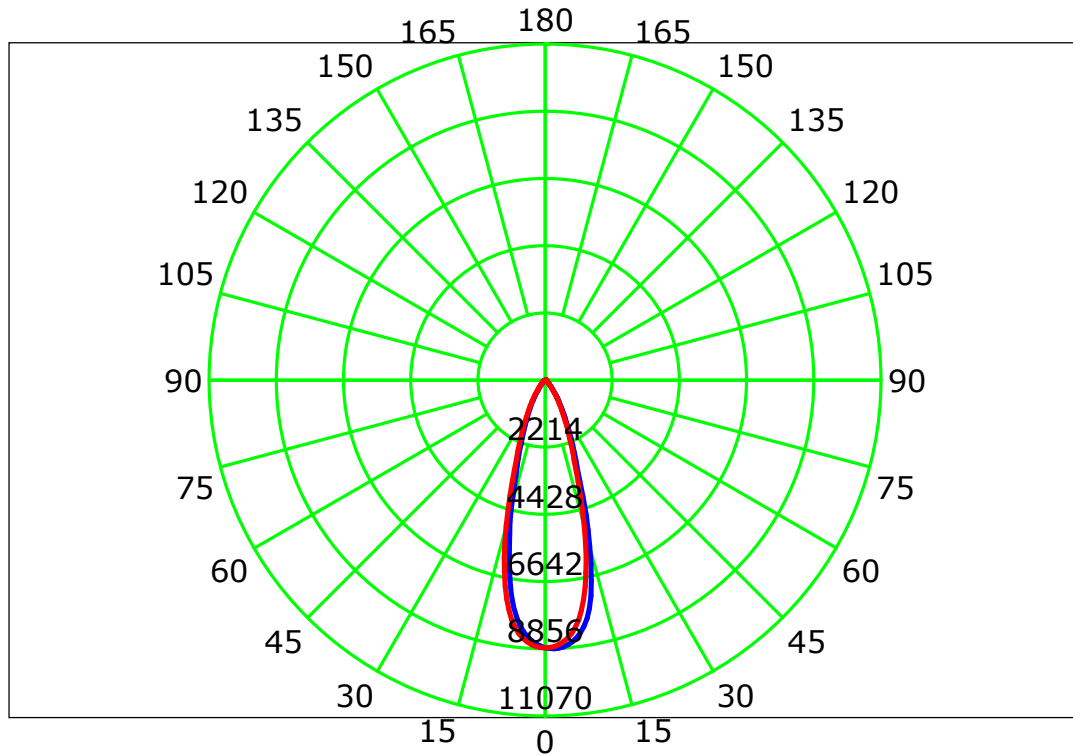
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

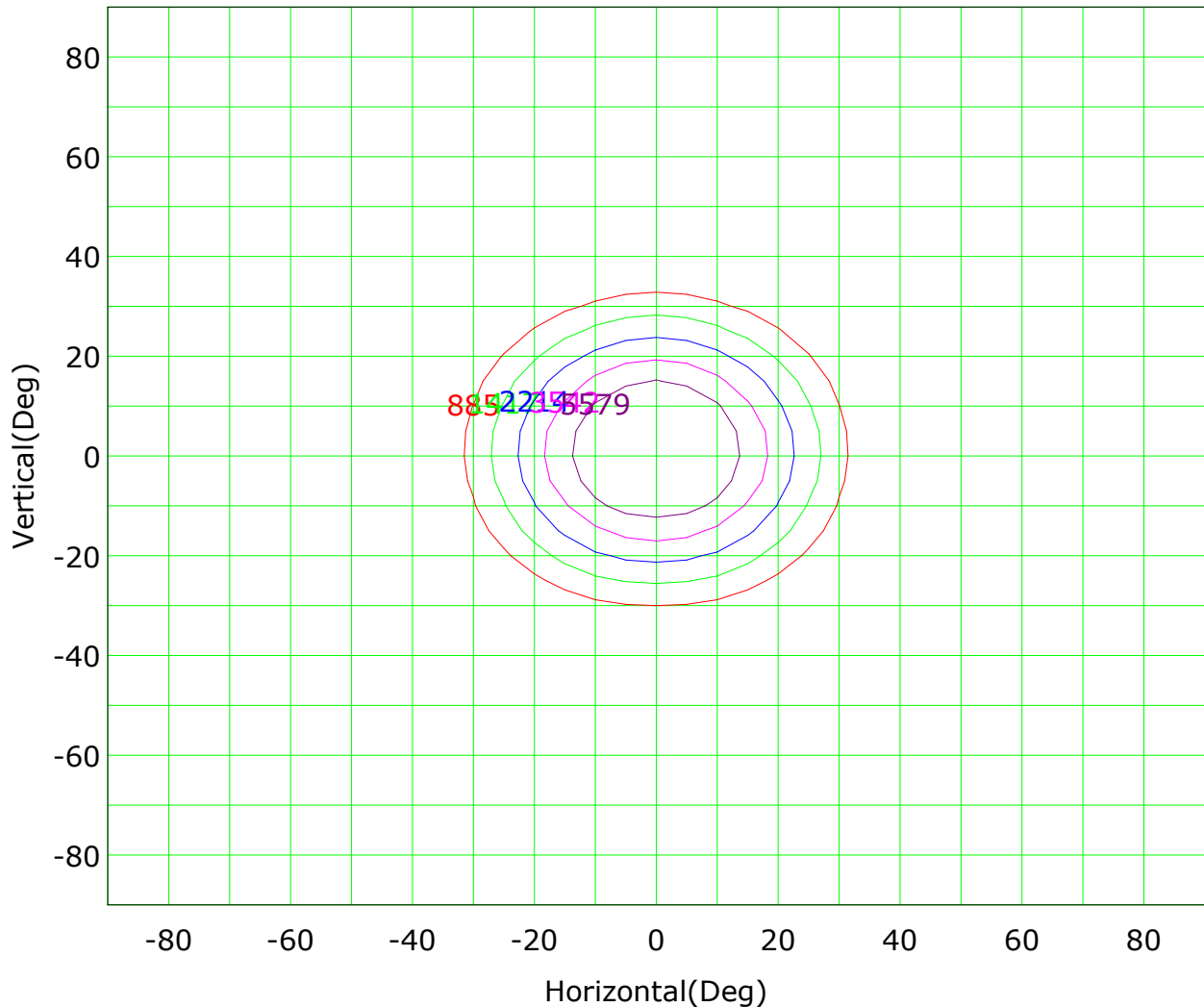
Luminous Intensity Distribution Curve



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%): 8855 cd

(10%): 885 cd	(16%): 1417 cd
(25%): 2214 cd	(40%): 3542 cd
(63%): 5579 cd	(100%): 8855 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

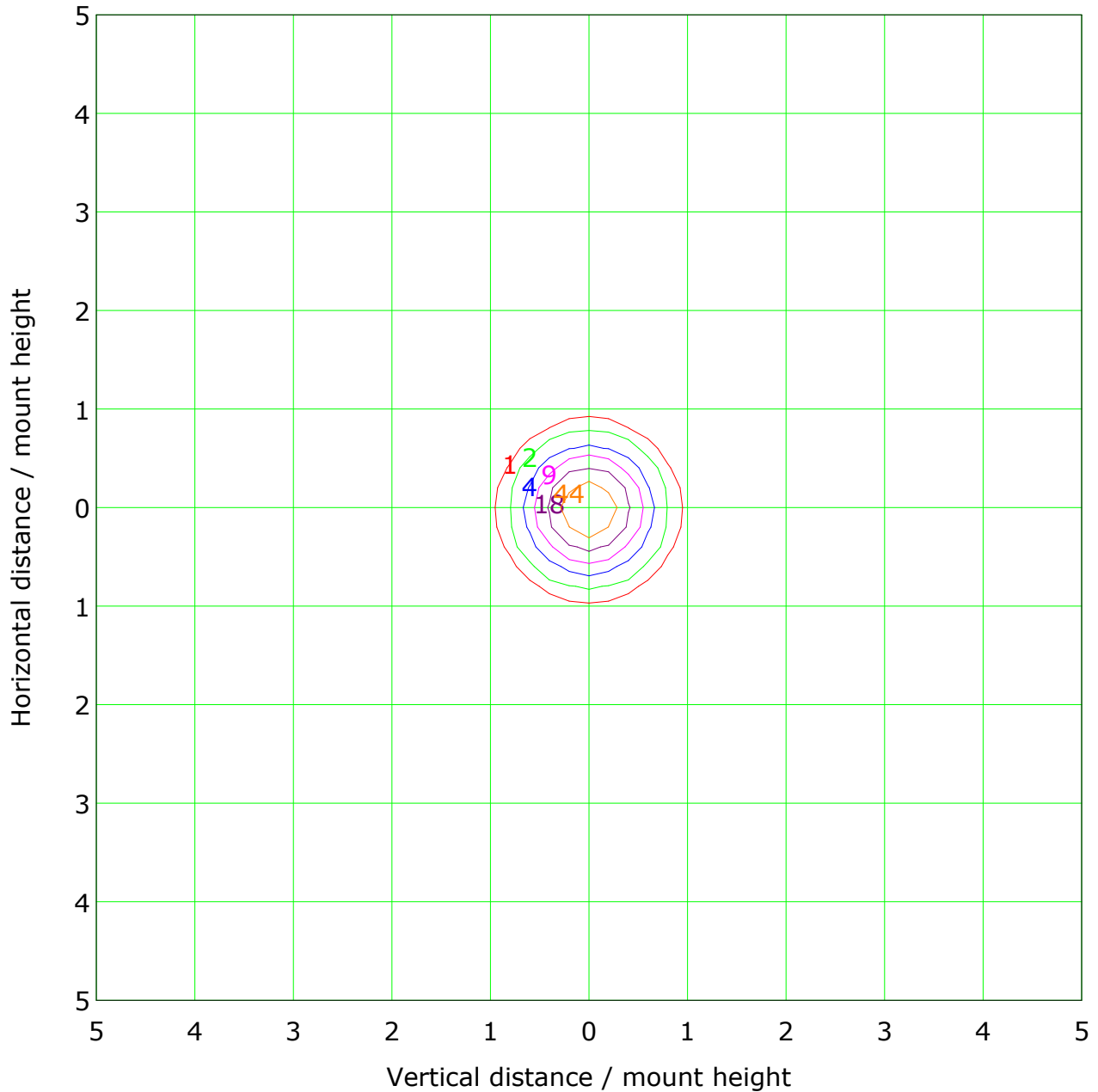
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 88 lx	
(1%):	1 lx	(2%):	2 lx
(5%):	4 lx	(10%):	9 lx
(20%):	18 lx	(50%):	44 lx
(100%):	88 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

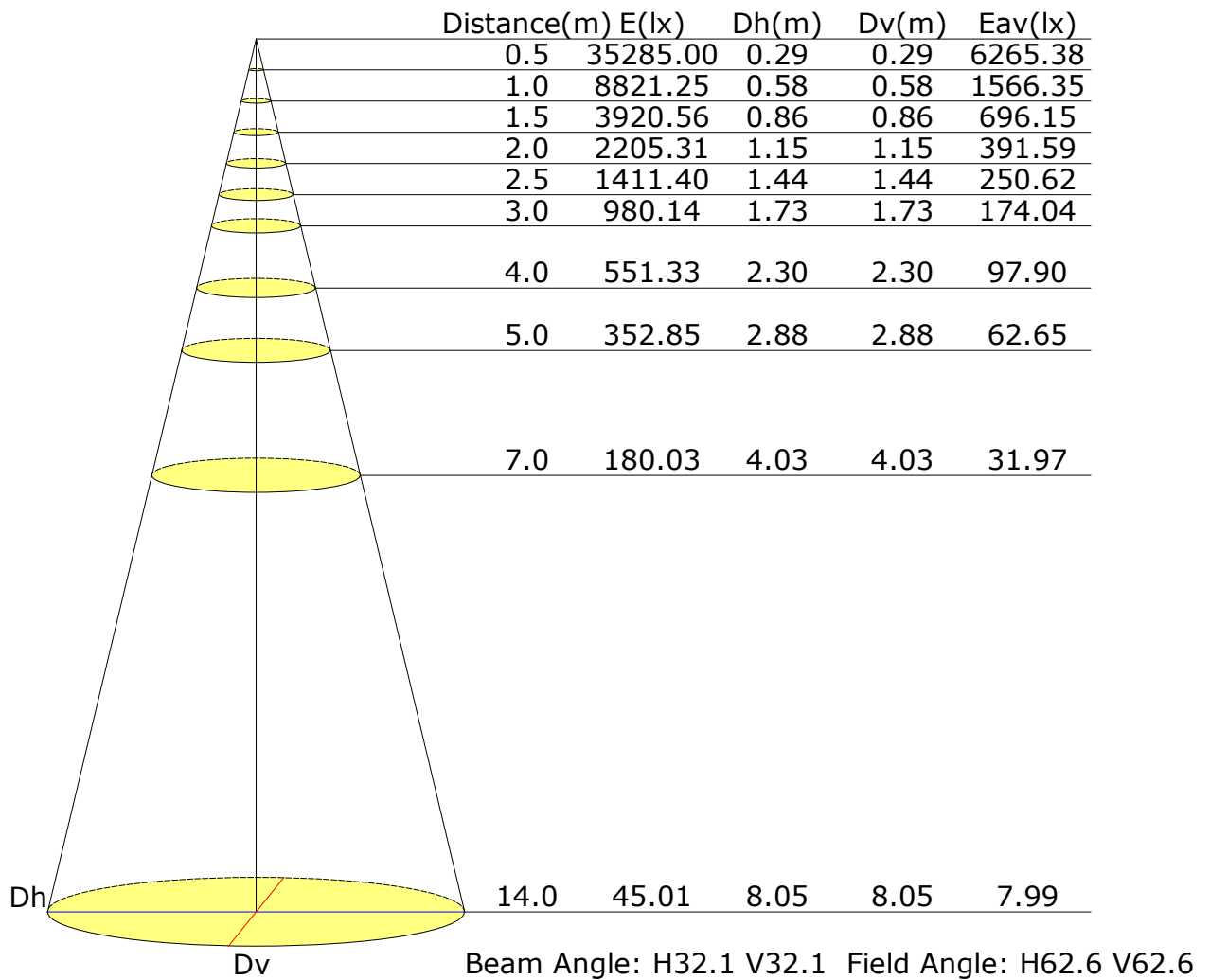
Test Device: CHL-6E

Distance: 3.328 m

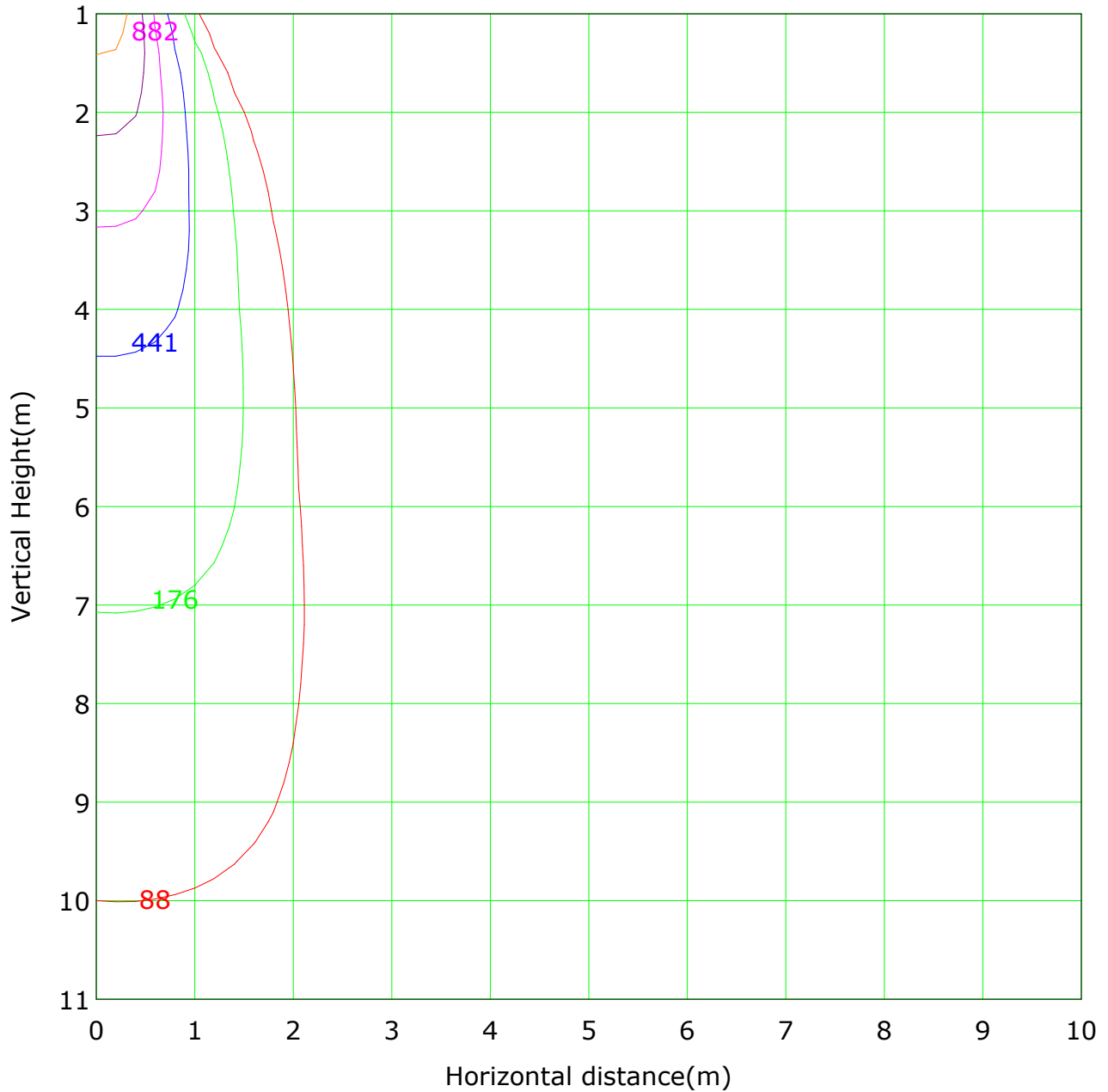
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 8821

(1%): 88 lx	(2%): 176 lx
(5%): 441 lx	(10%): 882 lx
(20%): 1764 lx	(50%): 4411 lx
(100%): 8821 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

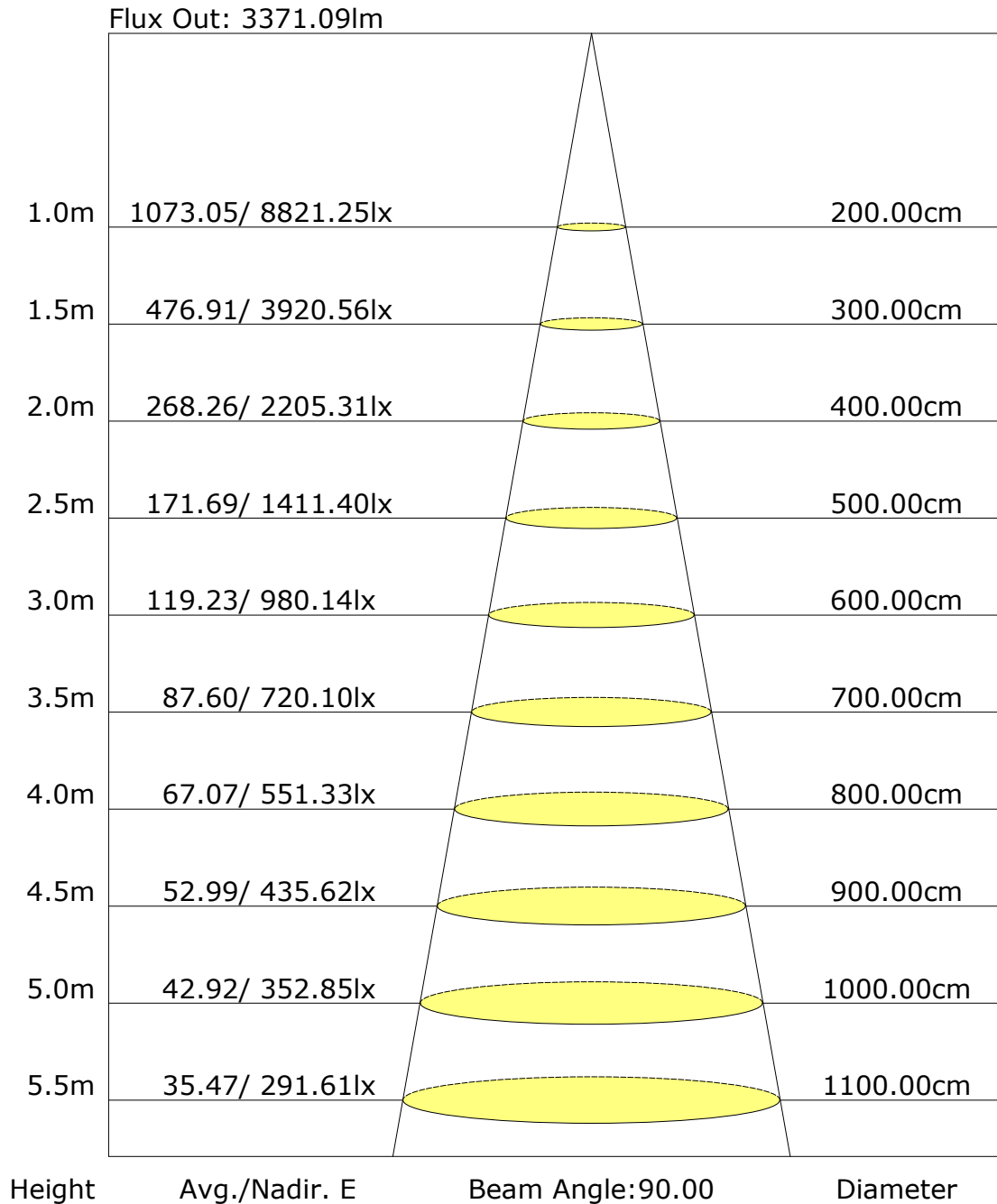
Test Device: CHL-6E

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	8815.3	8.4	8.4	0.24	0.24
1.0-2.0	8793.5	25.2	33.7	0.72	0.96
2.0-3.0	8749.3	41.9	75.5	1.20	2.16
3.0-4.0	8680.7	58.1	133.6	1.66	3.82
4.0-5.0	8585.3	73.9	207.5	2.11	5.93
5.0-6.0	8458.2	88.9	296.4	2.54	8.47
6.0-7.0	8293.6	103.0	399.4	2.94	11.41
7.0-8.0	8086.0	115.7	515.1	3.31	14.71
8.0-9.0	7826.4	126.9	642.0	3.62	18.34
9.0-10.0	7508.2	135.9	777.9	3.88	22.22
10.0-11.0	7130.8	142.5	920.4	4.07	26.29
11.0-12.0	6703.2	146.6	1066.9	4.19	30.48
12.0-13.0	6247.2	148.3	1215.2	4.24	34.71
13.0-14.0	5769.2	147.7	1362.9	4.22	38.93
14.0-15.0	5250.6	144.2	1507.0	4.12	43.05
15.0-16.0	4713.2	138.1	1645.2	3.95	47.00
16.0-17.0	4215.5	131.3	1776.5	3.75	50.75
17.0-18.0	3754.6	123.8	1900.3	3.54	54.28
18.0-19.0	3321.1	115.6	2015.8	3.30	57.58
19.0-20.0	2958.9	108.3	2124.1	3.09	60.68
20.0-21.0	2669.1	102.5	2226.6	2.93	63.61
21.0-22.0	2415.7	97.1	2323.7	2.77	66.38
22.0-23.0	2186.3	91.7	2415.5	2.62	69.00
23.0-24.0	1978.1	86.5	2502.0	2.47	71.47
24.0-25.0	1788.6	81.3	2583.3	2.32	73.80
25.0-26.0	1616.0	76.3	2659.6	2.18	75.98
26.0-27.0	1458.9	71.4	2731.0	2.04	78.01
27.0-28.0	1315.8	66.6	2797.6	1.90	79.92
28.0-29.0	1186.5	62.1	2859.7	1.77	81.69
29.0-30.0	1070.2	57.8	2917.5	1.65	83.34
30.0-31.0	964.6	53.7	2971.2	1.53	84.88
31.0-32.0	866.4	49.6	3020.8	1.42	86.29
32.0-33.0	773.9	45.6	3066.4	1.30	87.60
33.0-34.0	688.2	41.7	3108.1	1.19	88.79
34.0-35.0	612.1	38.0	3146.1	1.09	89.87
35.0-36.0	543.9	34.6	3180.7	0.99	90.86

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	478.1	31.2	3211.9	0.89	91.75
37.0-38.0	415.8	27.8	3239.7	0.79	92.55
38.0-39.0	361.5	24.7	3264.3	0.71	93.25
39.0-40.0	317.0	22.1	3286.5	0.63	93.88
40.0-41.0	280.8	20.0	3306.5	0.57	94.45
41.0-42.0	251.2	18.3	3324.7	0.52	94.97
42.0-43.0	225.6	16.7	3341.4	0.48	95.45
43.0-44.0	203.5	15.4	3356.8	0.44	95.89
44.0-45.0	186.1	14.3	3371.1	0.41	96.30
45.0-46.0	170.8	13.4	3384.4	0.38	96.68
46.0-47.0	156.1	12.4	3396.9	0.35	97.04
47.0-48.0	143.1	11.6	3408.4	0.33	97.37
48.0-49.0	131.5	10.8	3419.2	0.31	97.67
49.0-50.0	119.4	10.0	3429.2	0.28	97.96
50.0-51.0	107.8	9.1	3438.3	0.26	98.22
51.0-52.0	97.9	8.4	3446.7	0.24	98.46
52.0-53.0	87.6	7.6	3454.3	0.22	98.68
53.0-54.0	77.9	6.9	3461.2	0.20	98.87
54.0-55.0	68.9	6.1	3467.3	0.18	99.05
55.0-56.0	60.5	5.5	3472.8	0.16	99.21
56.0-57.0	53.6	4.9	3477.7	0.14	99.35
57.0-58.0	46.4	4.3	3482.0	0.12	99.47
58.0-59.0	40.5	3.8	3485.8	0.11	99.58
59.0-60.0	35.2	3.3	3489.1	0.10	99.67
60.0-61.0	29.6	2.8	3492.0	0.08	99.75
61.0-62.0	24.6	2.4	3494.3	0.07	99.82
62.0-63.0	20.3	2.0	3496.3	0.06	99.88
63.0-64.0	15.9	1.6	3497.9	0.04	99.92
64.0-65.0	11.2	1.1	3499.0	0.03	99.95
65.0-66.0	7.5	0.7	3499.7	0.02	99.97
66.0-67.0	5.0	0.5	3500.2	0.01	99.99
67.0-68.0	3.1	0.3	3500.5	0.01	100.00
68.0-69.0	0.9	0.1	3500.6	0.00	100.00
69.0-70.0	0.0	0.0	3500.6	0.00	100.00
70.0-71.0	0.0	0.0	3500.6	0.00	100.00
71.0-72.0	0.0	0.0	3500.6	0.00	100.00

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

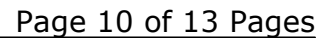
Gamma Plane (°):0.0-90.0:1.0

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	8821.3	8821.3								
G1.0	8846.2	8772.6								
G2.0	8854.9	8700.3								
G3.0	8840.0	8601.8								
G4.0	8806.3	8474.7								
G5.0	8748.9	8311.4								
G6.0	8669.2	8103.2								
G7.0	8557.0	7845.1								
G8.0	8407.4	7534.7								
G9.0	8214.1	7149.5								
G10.0	7973.5	6695.7								
G11.0	7663.1	6190.8								
G12.0	7270.4	5688.4								
G13.0	6794.2	5235.9								
G14.0	6248.2	4798.3								
G15.0	5674.7	4281.0								
G16.0	5143.6	3753.6								
G17.0	4632.5	3332.3								
G18.0	4044.1	3009.4								
G19.0	3506.8	2723.9								
G20.0	3135.3	2469.6								
G21.0	2836.1	2235.2								
G22.0	2574.3	2017.1								
G23.0	2330.0	1823.8								
G24.0	2113.1	1645.6								
G25.0	1909.9	1486.0								
G26.0	1724.1	1343.9								
G27.0	1555.8	1211.7								
G28.0	1406.2	1089.6								
G29.0	1267.8	982.3								
G30.0	1144.4	886.4								
G31.0	1033.5	794.1								
G32.0	933.7	704.3								
G33.0	844.0	613.3								
G34.0	763.0	532.3								
G35.0	688.2	465.0								
G36.0	613.3	408.9								

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	531.1	359.0								
G38.0	453.8	319.1								
G39.0	393.9	279.3								
G40.0	347.8	246.8								
G41.0	306.7	221.9								
G42.0	271.8	204.4								
G43.0	240.6	185.8								
G44.0	216.9	170.8								
G45.0	198.2	158.3								
G46.0	180.8	145.9								
G47.0	167.1	130.9								
G48.0	155.8	118.4								
G49.0	143.4	108.5								
G50.0	129.6	96.0								
G51.0	119.7	86.0								
G52.0	109.7	76.1								
G53.0	98.5	66.1								
G54.0	89.8	57.3								
G55.0	79.8	48.6								
G56.0	71.1	42.4								
G57.0	61.1	39.9								
G58.0	52.4	32.4								
G59.0	47.4	29.9								
G60.0	39.9	23.7								
G61.0	34.9	20.0								
G62.0	29.9	13.7								
G63.0	27.4	10.0								
G64.0	20.0	6.2								
G65.0	16.2	2.5								
G66.0	11.2	0.0								
G67.0	8.7	0.0								
G68.0	3.7	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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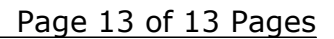
Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

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: