

Report No.: 32.10111 High Lumen Pro
Track Light

Test Time: 2024-09-26 23:37

Luminaire Property

Luminaire Category:

Voltage: 242.5 V

Power: 32.30 W

Current: 0.140 A

Power Factor: 0.952

Photometric Results

CIE Class: Direct

Measurement Flux: 3832.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.8

Vertical Diffuse Angle(50%): V24.8

Luminaire Efficacy Rating (LER): 119

Max. Intensity: 13322.88 cd

Total Rated Lamp Lumens: 3832.9 lm

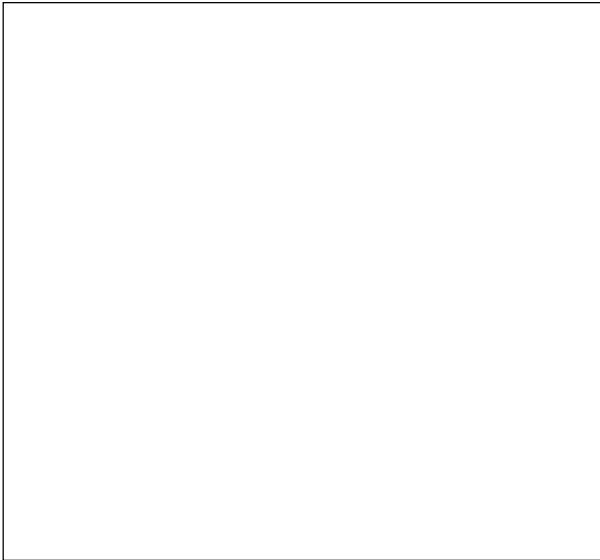
Efficiency: 100%

Upward Ratio: 0%

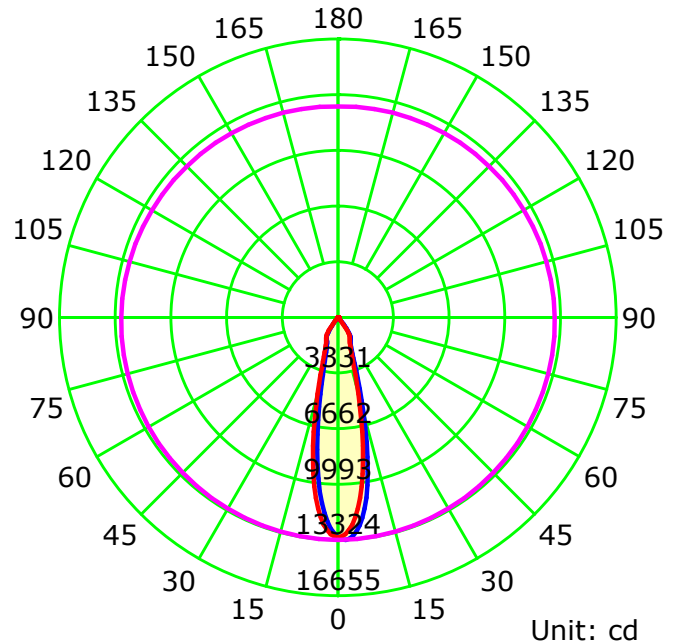
Central Intensity: 13160.81 cd

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

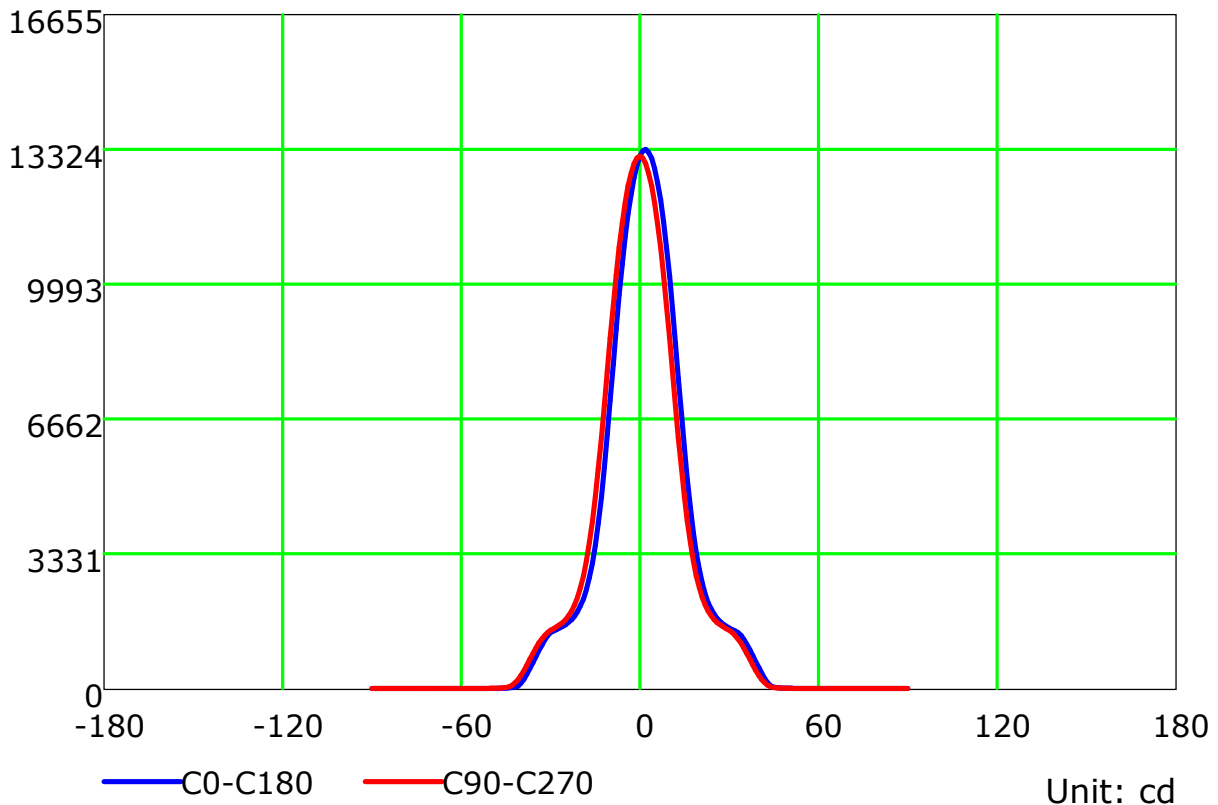
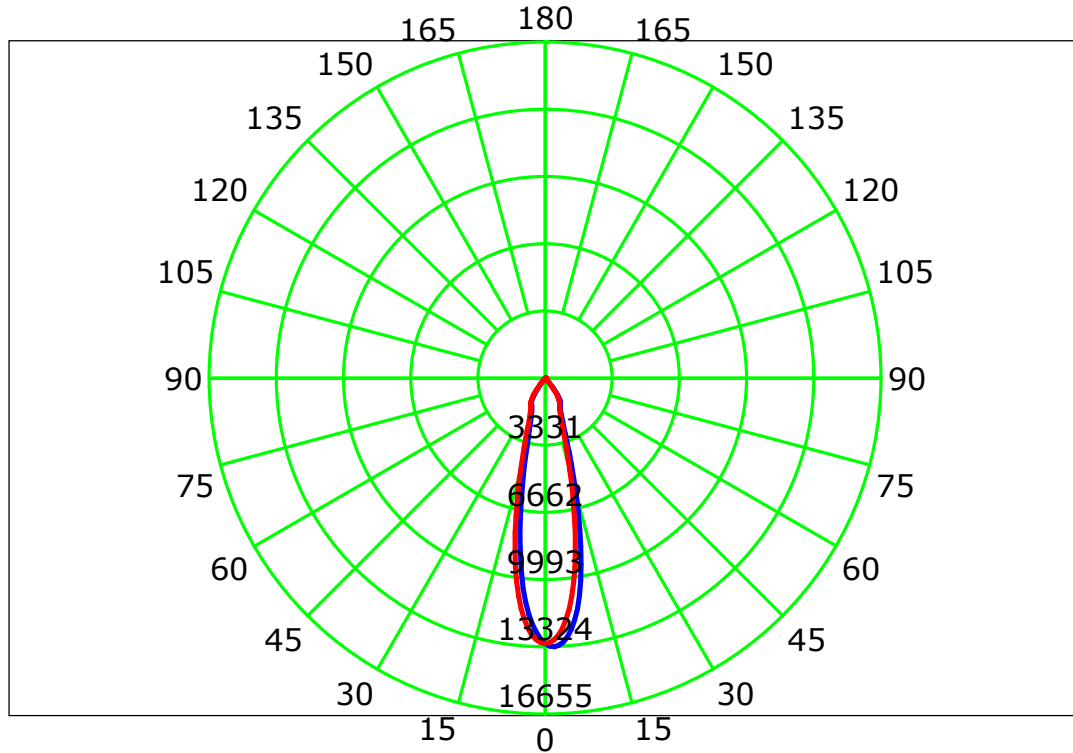
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

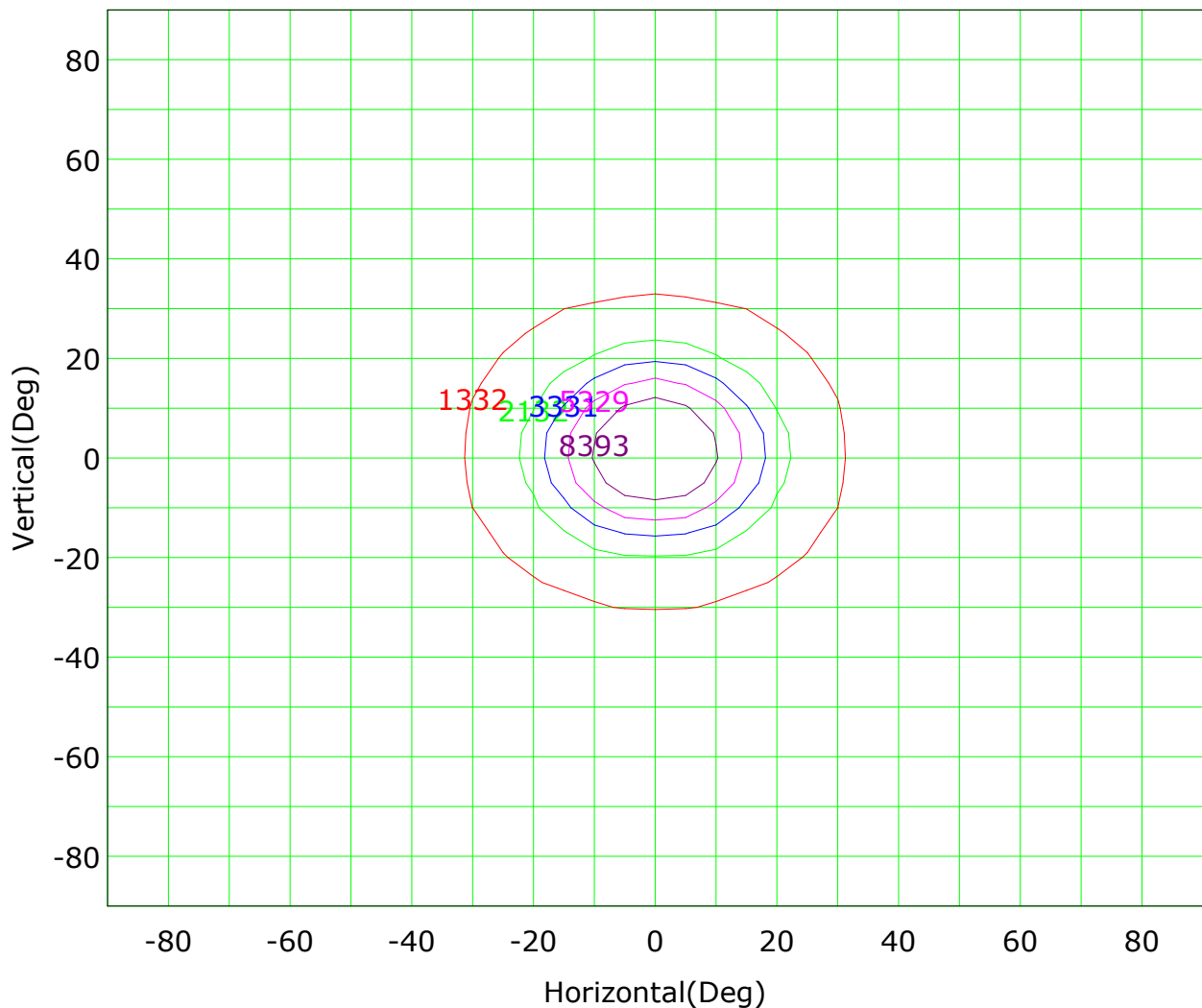
Luminous Intensity Distribution Curve



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%): 13323 cd

(10%): 1332 cd	(16%): 2132 cd
(25%): 3331 cd	(40%): 5329 cd
(63%): 8393 cd	(100%): 13323 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

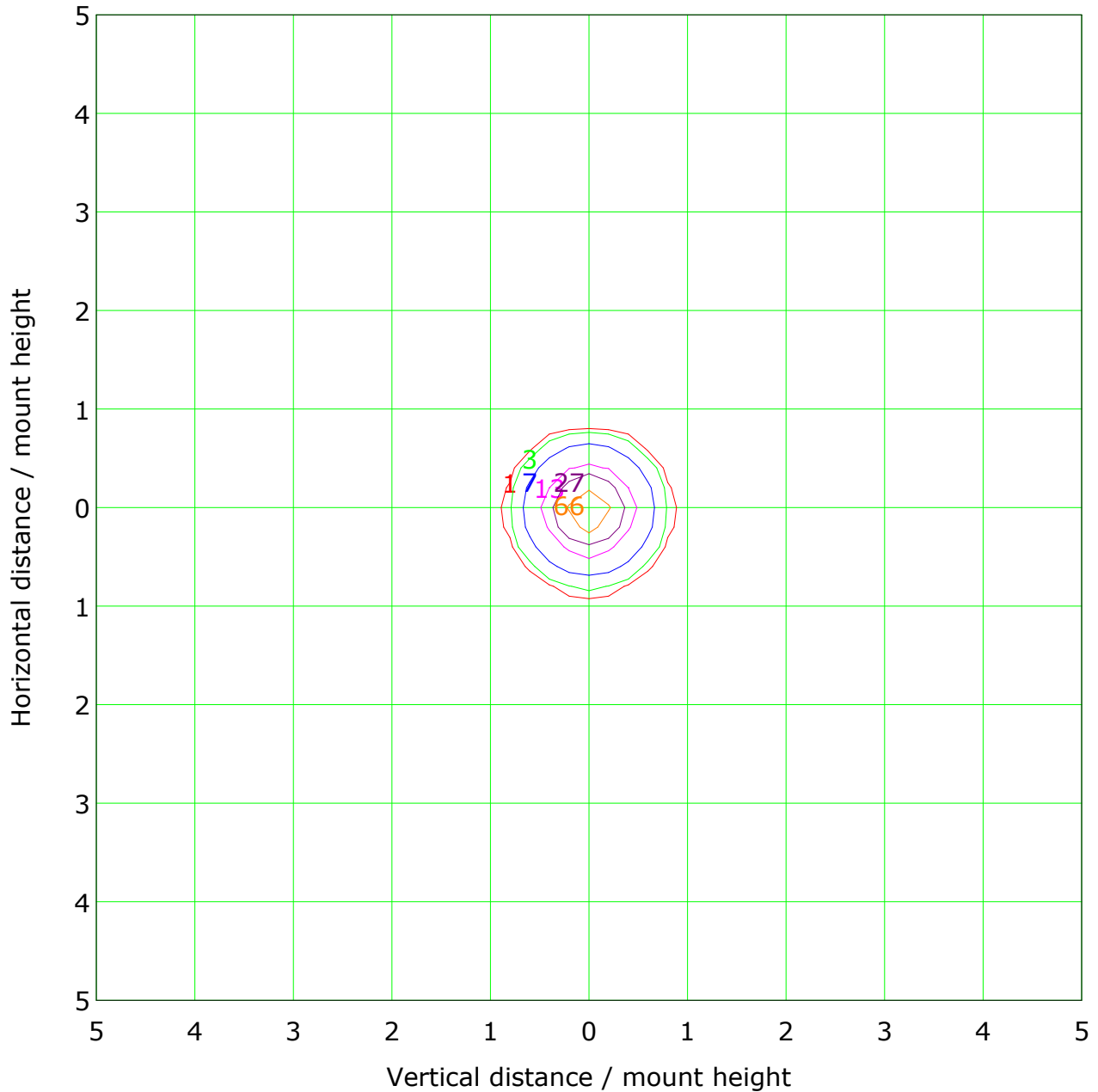
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 133 lx	
(1%):	1 lx	(2%):	3 lx
(5%):	7 lx	(10%):	13 lx
(20%):	27 lx	(50%):	66 lx
(100%):	133 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

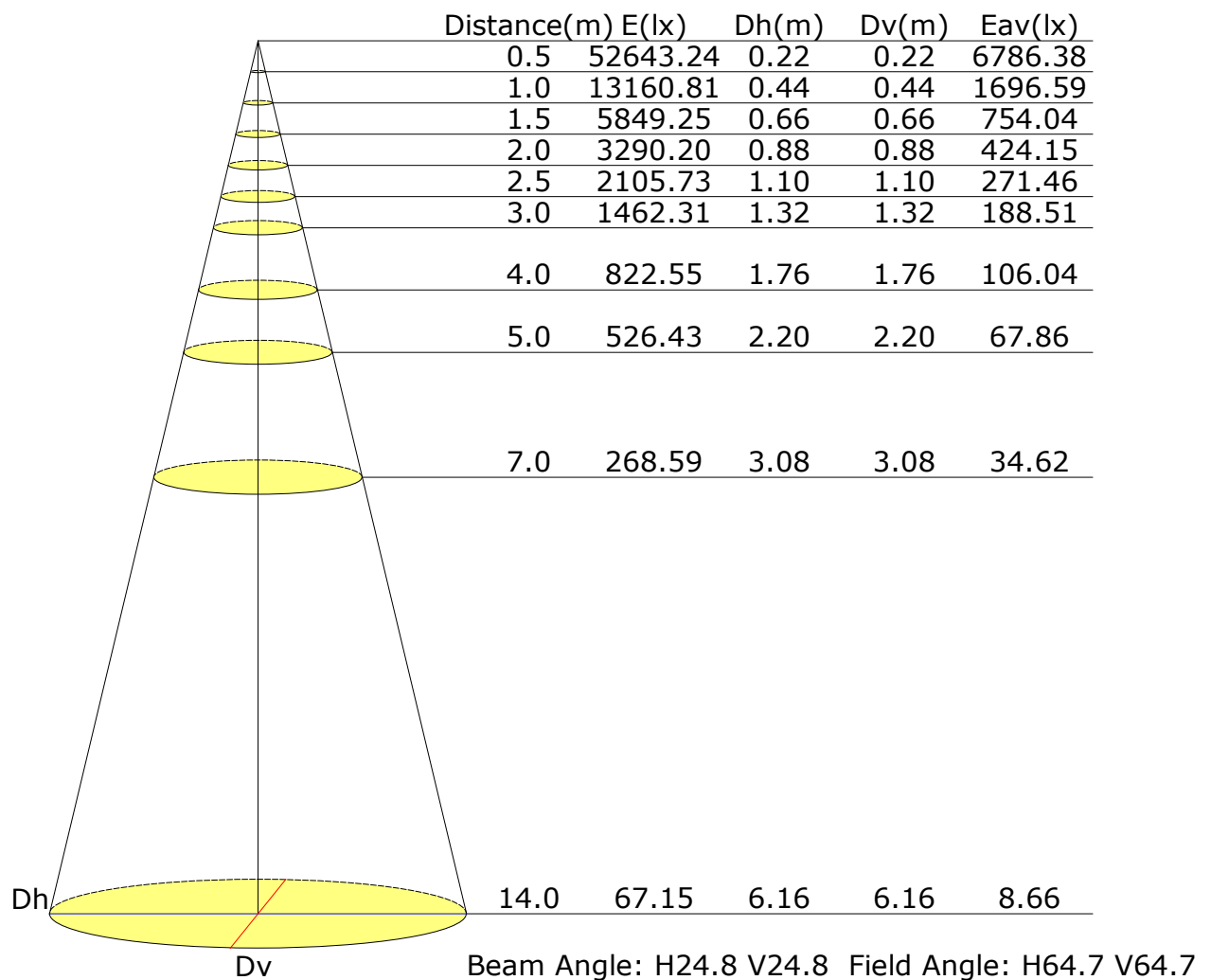
Test Device: CHL-6E

Distance: 3.328 m

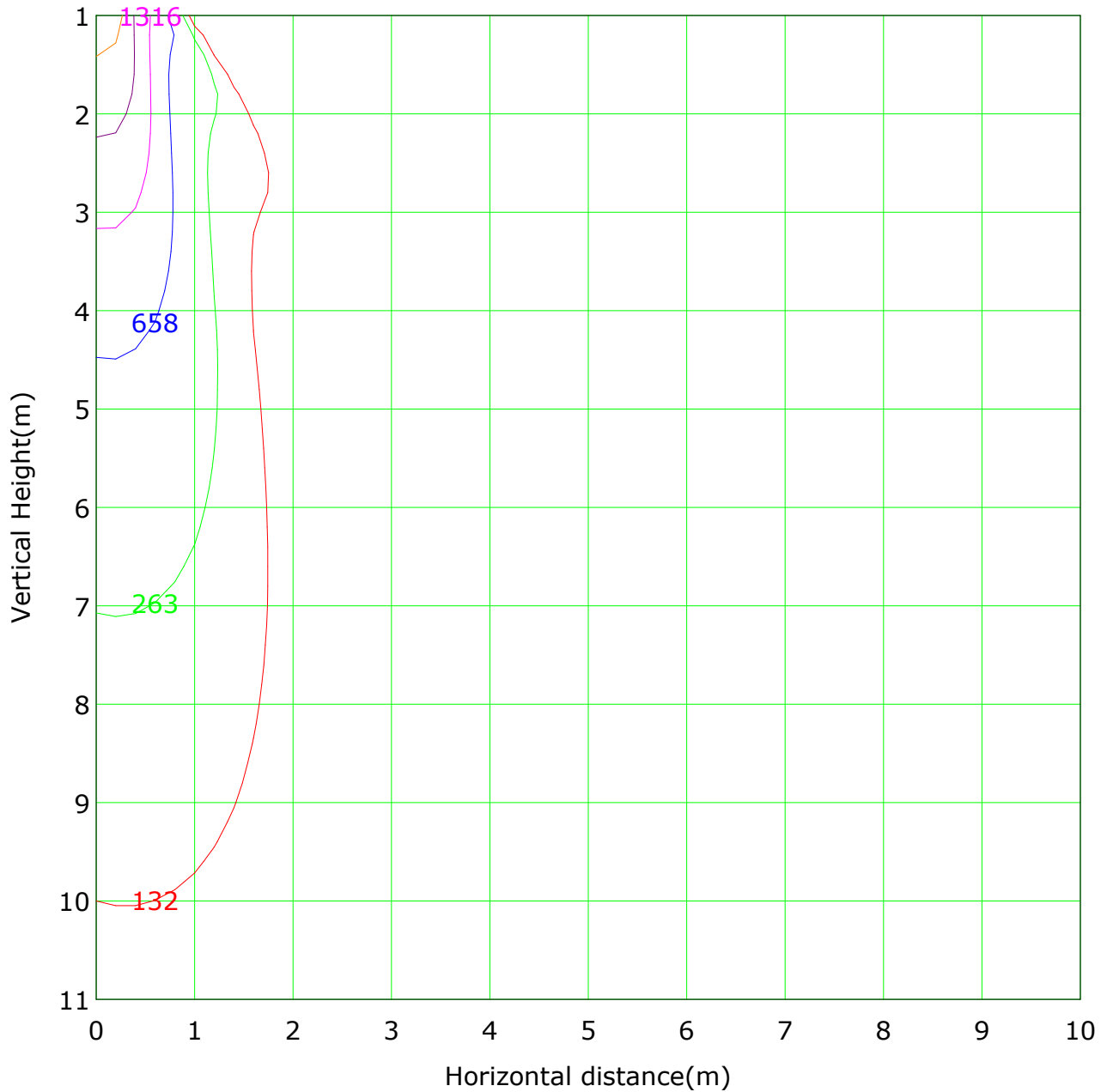
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

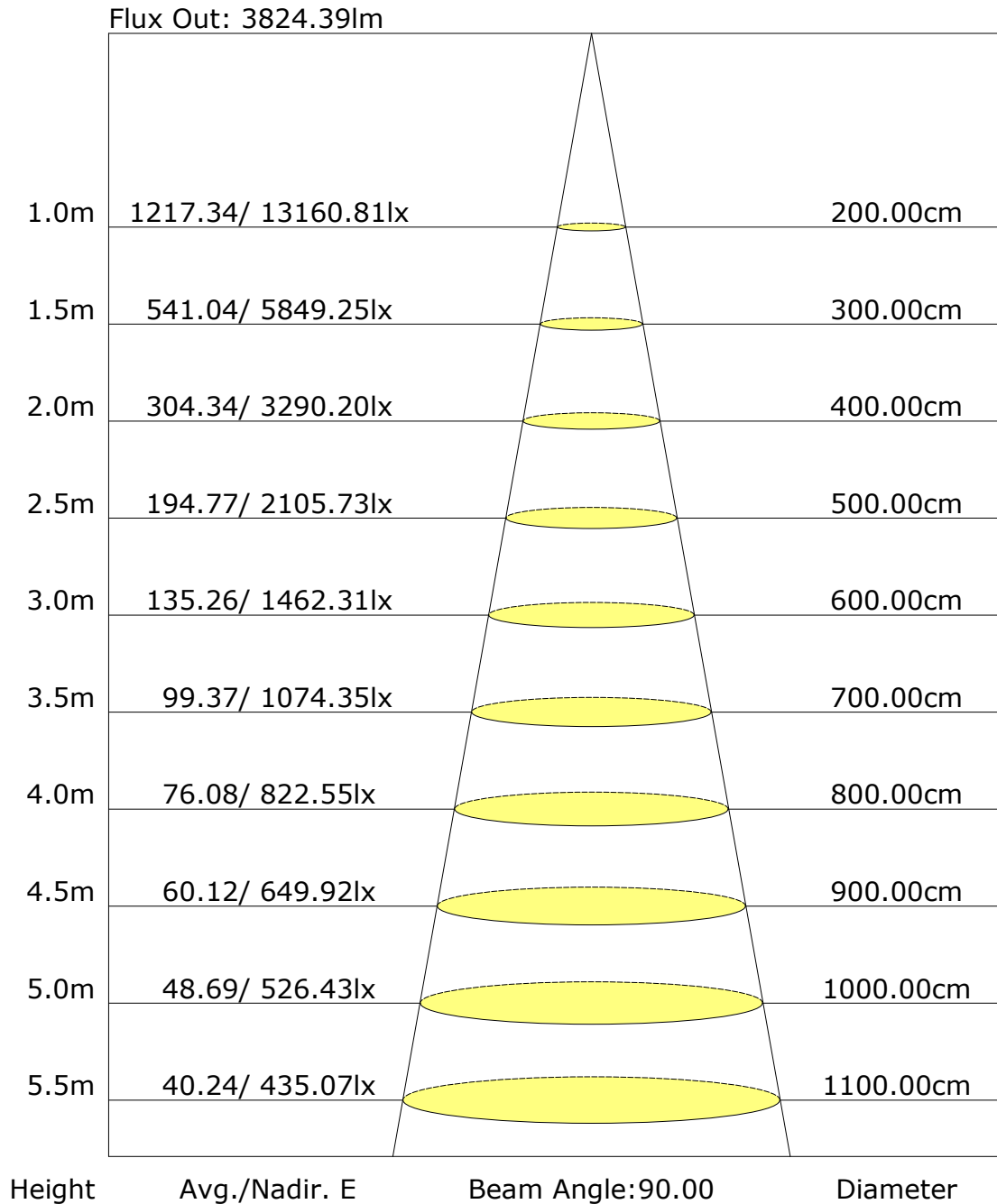


Lowest(m): 1m Highest(m): 11 Max Lux: 13161
 (1%): 132 lx (2%): 263 lx
 (5%): 658 lx (10%): 1316 lx
 (20%): 2632 lx (50%): 6580 lx
 (100%): 13161 lx

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



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	13137.4	12.6	12.6	0.33	0.33
1.0-2.0	13044.9	37.4	50.0	0.98	1.30
2.0-3.0	12859.8	61.5	111.5	1.60	2.91
3.0-4.0	12582.7	84.2	195.8	2.20	5.11
4.0-5.0	12213.4	105.1	300.8	2.74	7.85
5.0-6.0	11752.4	123.5	424.4	3.22	11.07
6.0-7.0	11198.0	139.0	563.4	3.63	14.70
7.0-8.0	10555.0	151.1	714.5	3.94	18.64
8.0-9.0	9838.5	159.5	873.9	4.16	22.80
9.0-10.0	9062.2	164.0	1038.0	4.28	27.08
10.0-11.0	8244.4	164.8	1202.7	4.30	31.38
11.0-12.0	7414.4	162.1	1364.8	4.23	35.61
12.0-13.0	6600.0	156.7	1521.5	4.09	39.69
13.0-14.0	5821.2	149.0	1670.5	3.89	43.58
14.0-15.0	5098.8	140.0	1810.5	3.65	47.24
15.0-16.0	4447.4	130.3	1940.8	3.40	50.64
16.0-17.0	3872.4	120.6	2061.4	3.15	53.78
17.0-18.0	3381.5	111.5	2172.9	2.91	56.69
18.0-19.0	2975.4	103.5	2276.5	2.70	59.39
19.0-20.0	2641.9	96.7	2373.2	2.52	61.92
20.0-21.0	2373.0	91.1	2464.3	2.38	64.29
21.0-22.0	2159.8	86.8	2551.1	2.26	66.56
22.0-23.0	1991.2	83.6	2634.7	2.18	68.74
23.0-24.0	1859.7	81.3	2716.0	2.12	70.86
24.0-25.0	1755.6	79.8	2795.8	2.08	72.94
25.0-26.0	1672.1	78.9	2874.8	2.06	75.00
26.0-27.0	1606.3	78.6	2953.4	2.05	77.05
27.0-28.0	1552.4	78.6	3032.0	2.05	79.10
28.0-29.0	1506.9	78.8	3110.8	2.06	81.16
29.0-30.0	1465.4	79.1	3189.9	2.06	83.23
30.0-31.0	1416.2	78.8	3268.8	2.06	85.28
31.0-32.0	1351.4	77.4	3346.2	2.02	87.30
32.0-33.0	1273.4	75.0	3421.2	1.96	89.26
33.0-34.0	1179.0	71.4	3492.6	1.86	91.12
34.0-35.0	1064.0	66.1	3558.7	1.72	92.85
35.0-36.0	935.0	59.5	3618.2	1.55	94.40

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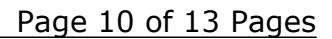
Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

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	796.6	52.0	3670.2	1.36	95.75
37.0-38.0	654.8	43.7	3713.9	1.14	96.90
38.0-39.0	516.4	35.3	3749.1	0.92	97.81
39.0-40.0	385.8	26.9	3776.1	0.70	98.52
40.0-41.0	271.5	19.3	3795.4	0.50	99.02
41.0-42.0	181.1	13.2	3808.6	0.34	99.36
42.0-43.0	113.8	8.4	3817.0	0.22	99.58
43.0-44.0	63.9	4.8	3821.8	0.13	99.71
44.0-45.0	33.7	2.6	3824.4	0.07	99.78
45.0-46.0	21.8	1.7	3826.1	0.04	99.82
46.0-47.0	16.8	1.3	3827.4	0.03	99.86
47.0-48.0	12.8	1.0	3828.5	0.03	99.88
48.0-49.0	10.3	0.8	3829.3	0.02	99.91
49.0-50.0	9.0	0.8	3830.1	0.02	99.93
50.0-51.0	7.8	0.7	3830.7	0.02	99.94
51.0-52.0	6.2	0.5	3831.3	0.01	99.96
52.0-53.0	4.7	0.4	3831.7	0.01	99.97
53.0-54.0	3.7	0.3	3832.0	0.01	99.98
54.0-55.0	3.7	0.3	3832.3	0.01	99.99
55.0-56.0	2.8	0.3	3832.6	0.01	99.99
56.0-57.0	1.6	0.1	3832.7	0.00	100.00
57.0-58.0	0.9	0.1	3832.8	0.00	100.00
58.0-59.0	0.6	0.1	3832.9	0.00	100.00
59.0-60.0	0.3	0.0	3832.9	0.00	100.00
60.0-61.0	0.0	0.0	3832.9	0.00	100.00
61.0-62.0	0.0	0.0	3832.9	0.00	100.00
62.0-63.0	0.0	0.0	3832.9	0.00	100.00
63.0-64.0	0.0	0.0	3832.9	0.00	100.00
64.0-65.0	0.0	0.0	3832.9	0.00	100.00
65.0-66.0	0.0	0.0	3832.9	0.00	100.00
66.0-67.0	0.0	0.0	3832.9	0.00	100.00
67.0-68.0	0.0	0.0	3832.9	0.00	100.00
68.0-69.0	0.0	0.0	3832.9	0.00	100.00
69.0-70.0	0.0	0.0	3832.9	0.00	100.00
70.0-71.0	0.0	0.0	3832.9	0.00	100.00
71.0-72.0	0.0	0.0	3832.9	0.00	100.00

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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	13160.8	13160.8								
G1.0	13286.7	12941.4								
G2.0	13322.9	12628.5								
G3.0	13259.3	12228.3								
G4.0	13104.7	11738.4								
G5.0	12852.9	11157.5								
G6.0	12511.3	10488.0								
G7.0	12076.2	9716.3								
G8.0	11542.7	8884.8								
G9.0	10913.1	8013.4								
G10.0	10195.0	7127.1								
G11.0	9388.5	6266.9								
G12.0	8540.8	5461.5								
G13.0	7670.6	4727.3								
G14.0	6799.2	4087.7								
G15.0	5960.2	3547.9								
G16.0	5178.6	3102.9								
G17.0	4469.2	2738.9								
G18.0	3865.8	2452.1								
G19.0	3360.9	2222.8								
G20.0	2942.1	2042.0								
G21.0	2604.2	1903.6								
G22.0	2337.5	1793.9								
G23.0	2126.8	1706.7								
G24.0	1966.0	1639.3								
G25.0	1836.3	1580.7								
G26.0	1735.3	1535.9								
G27.0	1658.0	1496.0								
G28.0	1595.7	1459.8								
G29.0	1544.6	1427.4								
G30.0	1501.0	1388.8								
G31.0	1463.6	1311.5								
G32.0	1427.4	1203.0								
G33.0	1388.8	1074.6								
G34.0	1318.9	933.7								
G35.0	1215.5	787.9								
G36.0	1093.3	643.3								

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	953.7	496.2								
G38.0	810.3	359.0								
G39.0	660.7	235.6								
G40.0	518.6	128.4								
G41.0	379.0	59.8								
G42.0	253.1	32.4								
G43.0	144.6	24.9								
G44.0	69.8	16.2								
G45.0	37.4	11.2								
G46.0	28.7	10.0								
G47.0	20.0	8.7								
G48.0	15.0	7.5								
G49.0	12.5	6.2								
G50.0	11.2	6.2								
G51.0	10.0	3.7								
G52.0	7.5	3.7								
G53.0	6.2	1.3								
G54.0	6.2	1.3								
G55.0	6.2	1.3								
G56.0	3.7	0.0								
G57.0	2.5	0.0								
G58.0	1.3	0.0								
G59.0	1.3	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	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:

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Temperature:

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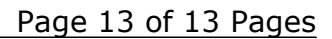
Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

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Unit: cd

Gamma Plane (°):0.0-90.0:1.0
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