

Report No.: 32.10111 High Lumen Pro
Track Light

Test Time: 2024-09-26 23:33

Luminaire Property

Luminaire Category:

Voltage: 240.2 V

Power: 32.30 W

Current: 0.141 A

Power Factor: 0.954

Photometric Results

CIE Class: Direct

Measurement Flux: 4251 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H64.5

Vertical Diffuse Angle(50%): V64.5

Luminaire Efficacy Rating (LER): 132

Max. Intensity: 4420.61 cd

Total Rated Lamp Lumens: 4251.0 lm

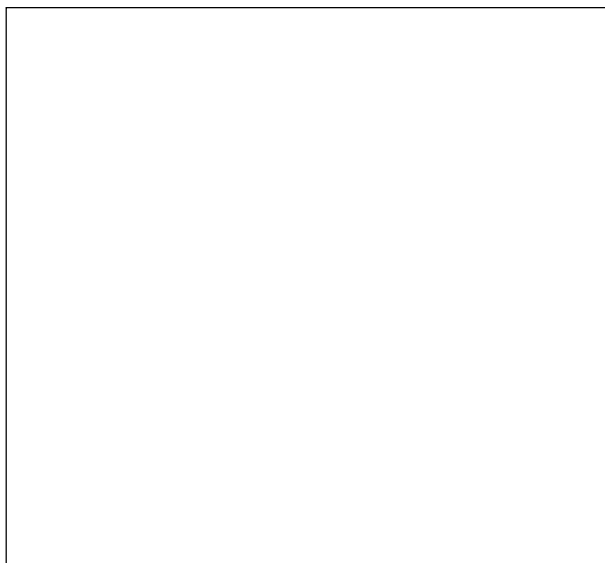
Efficiency: 100%

Upward Ratio: 0%

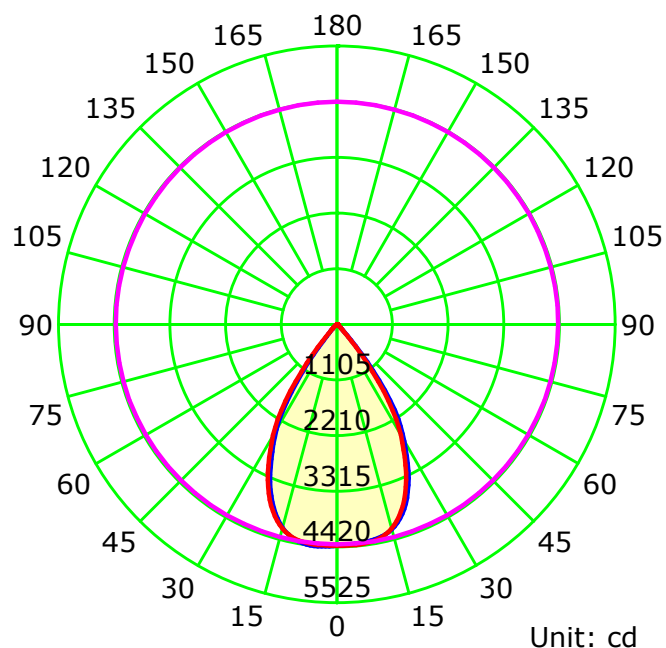
Central Intensity: 4390.68 cd

Pos of Max. Intensity: H180 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

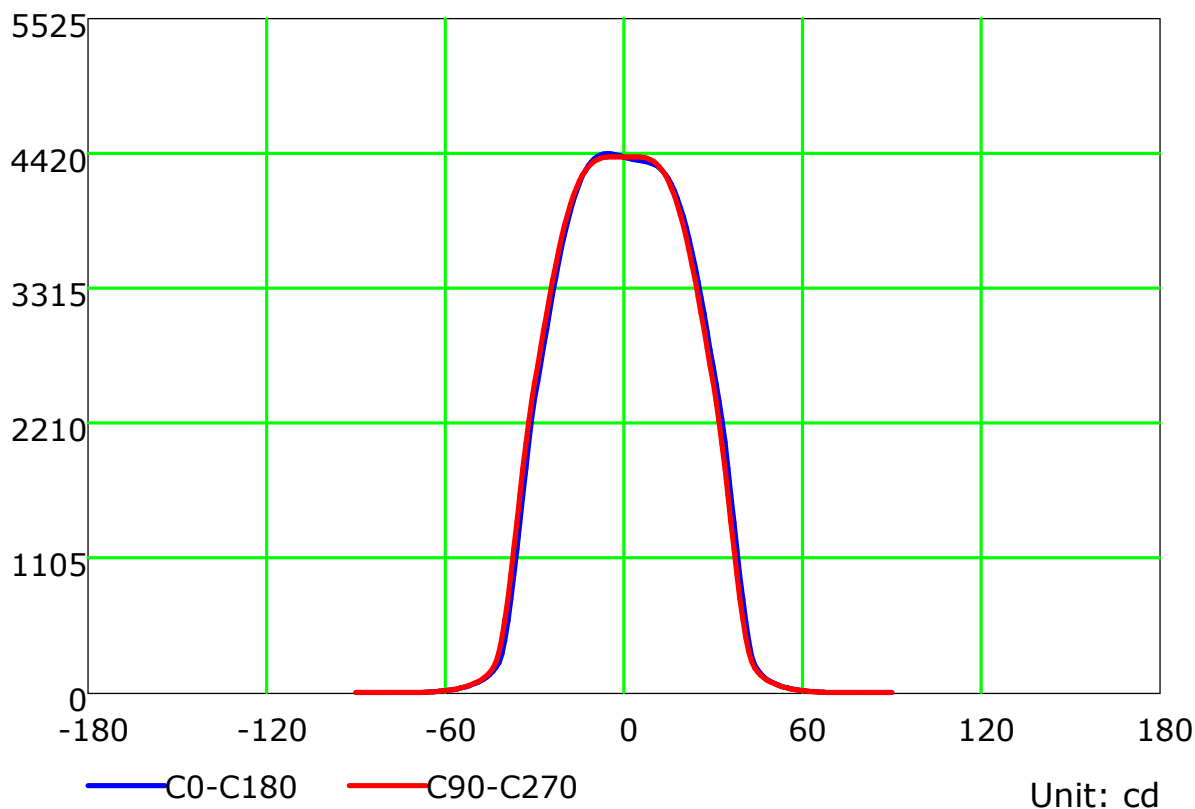
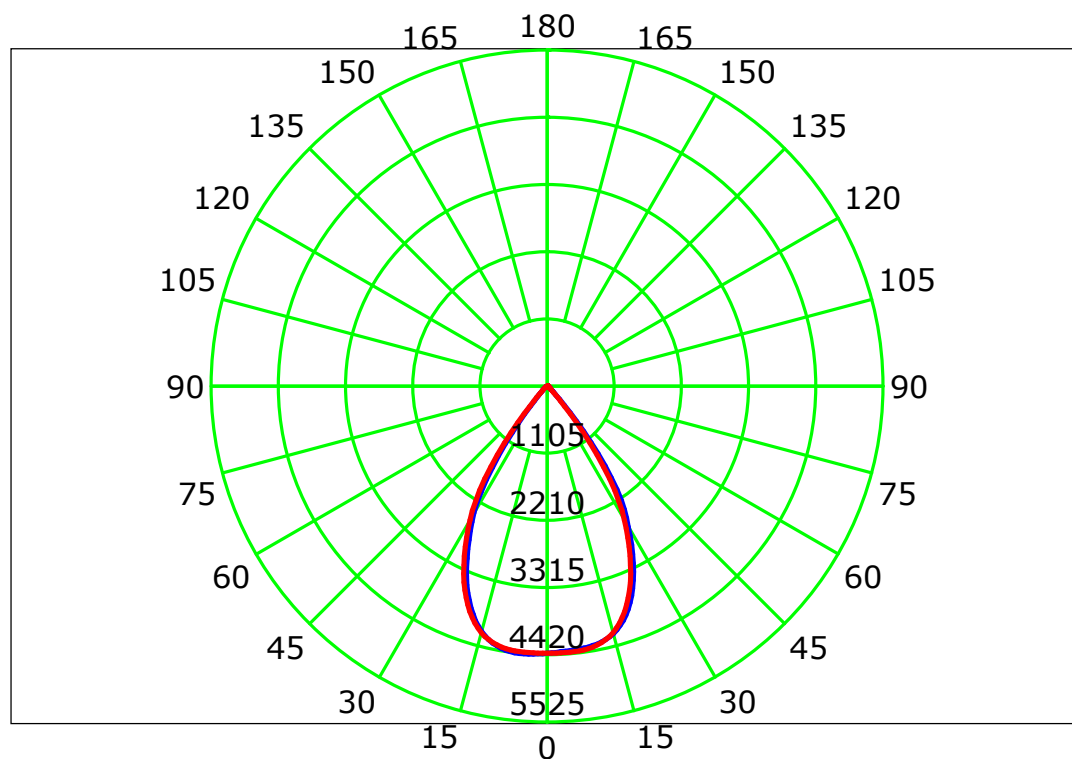
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

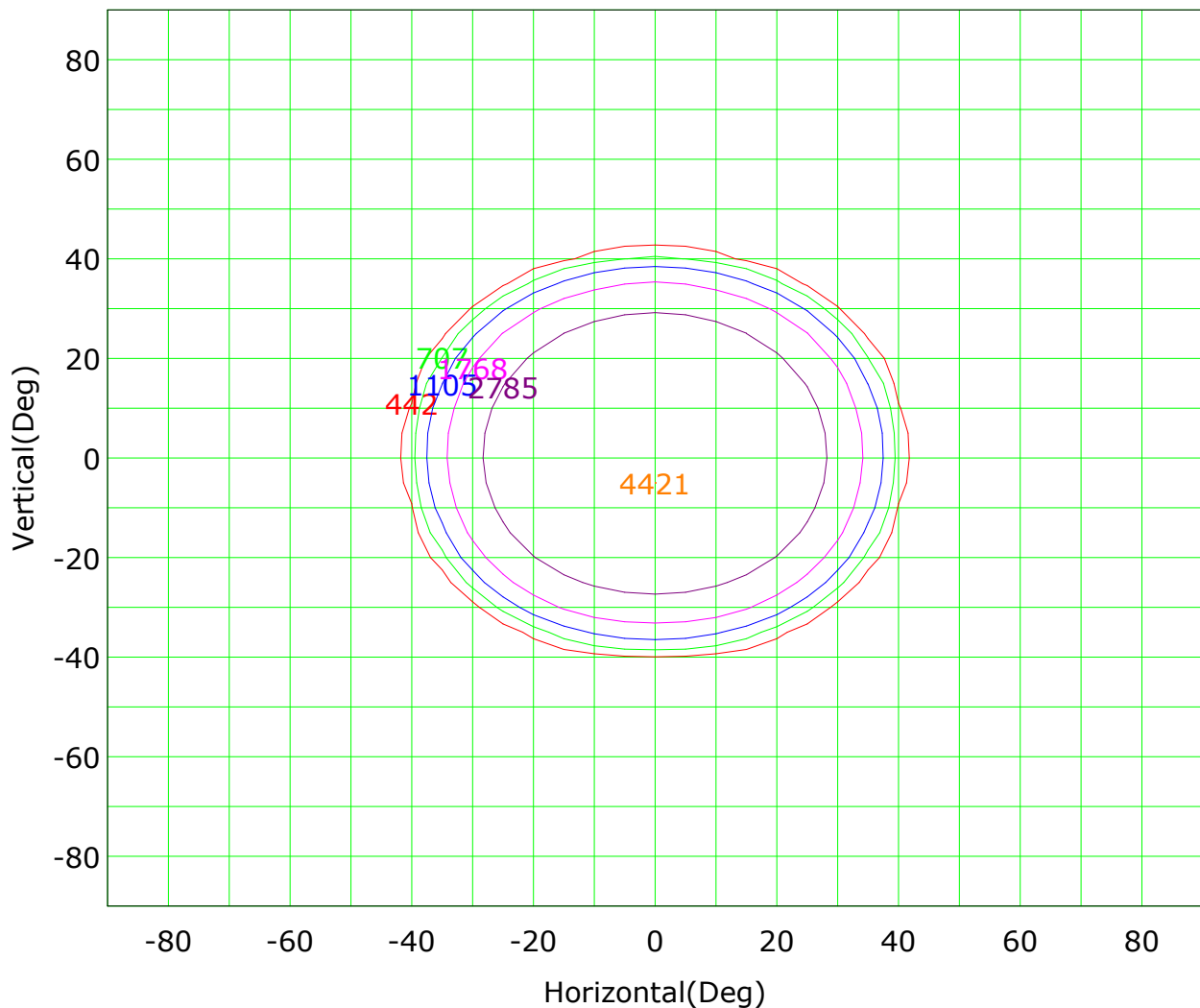
Luminous Intensity Distribution Curve



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%): 4421 cd

(10%): 442 cd	(16%): 707 cd
(25%): 1105 cd	(40%): 1768 cd
(63%): 2785 cd	(100%): 4421 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

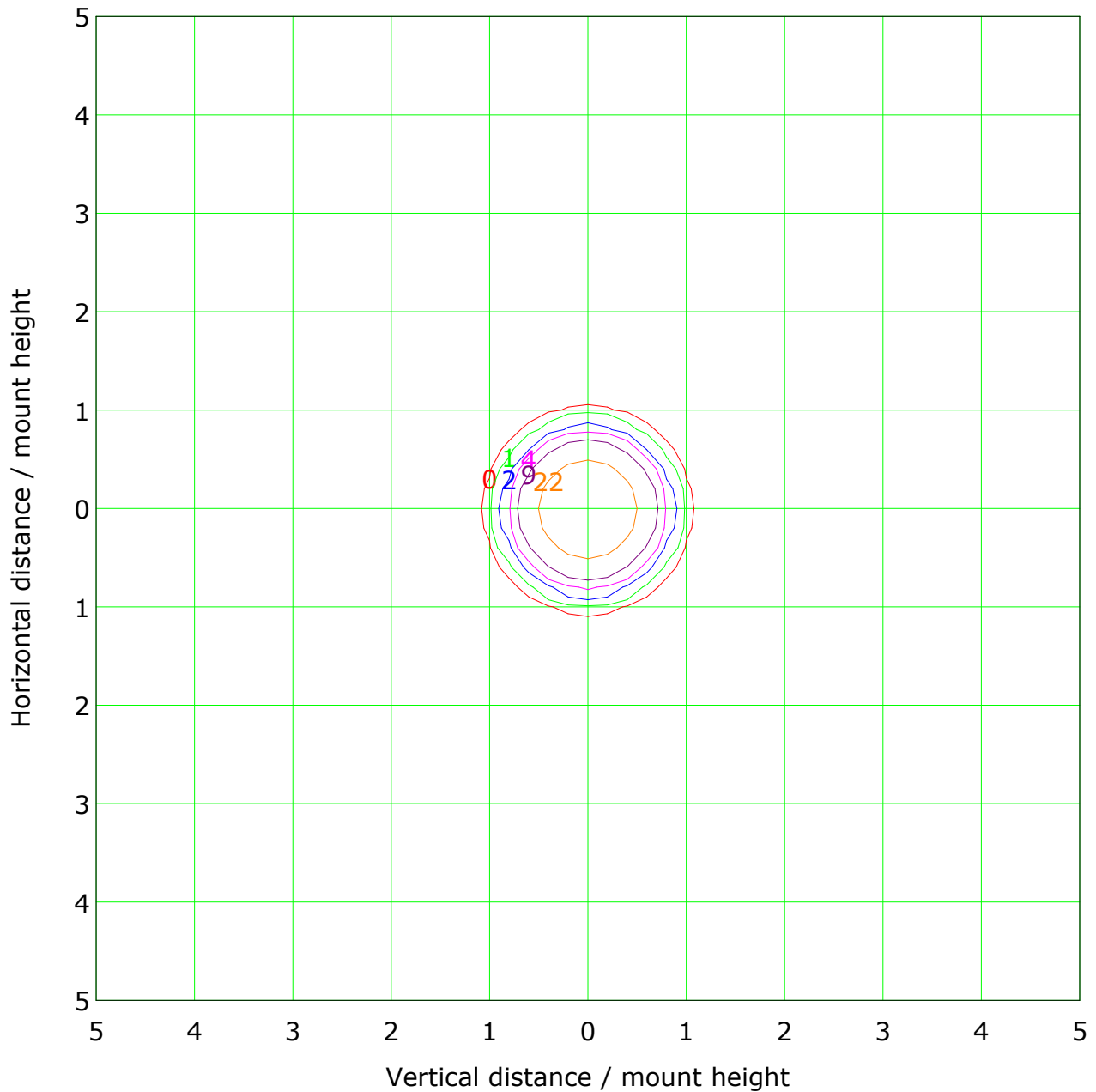
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

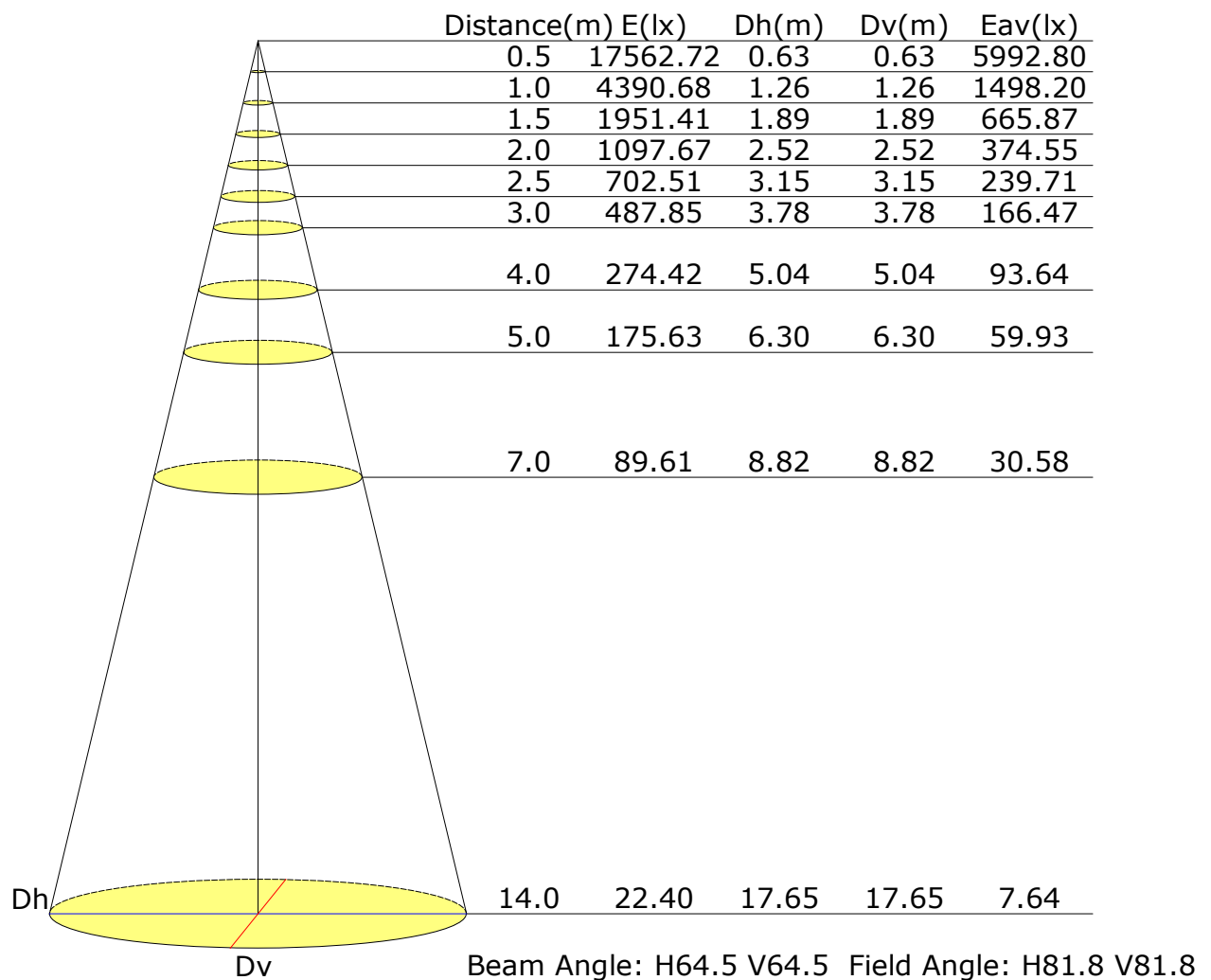


Mounting Height: 10m		Max Lux(100%): 44 lx	
— (1%):	0 lx	— (2%):	1 lx
— (5%):	2 lx	— (10%):	4 lx
— (20%):	9 lx	— (50%):	22 lx
— (100%):	44 lx		

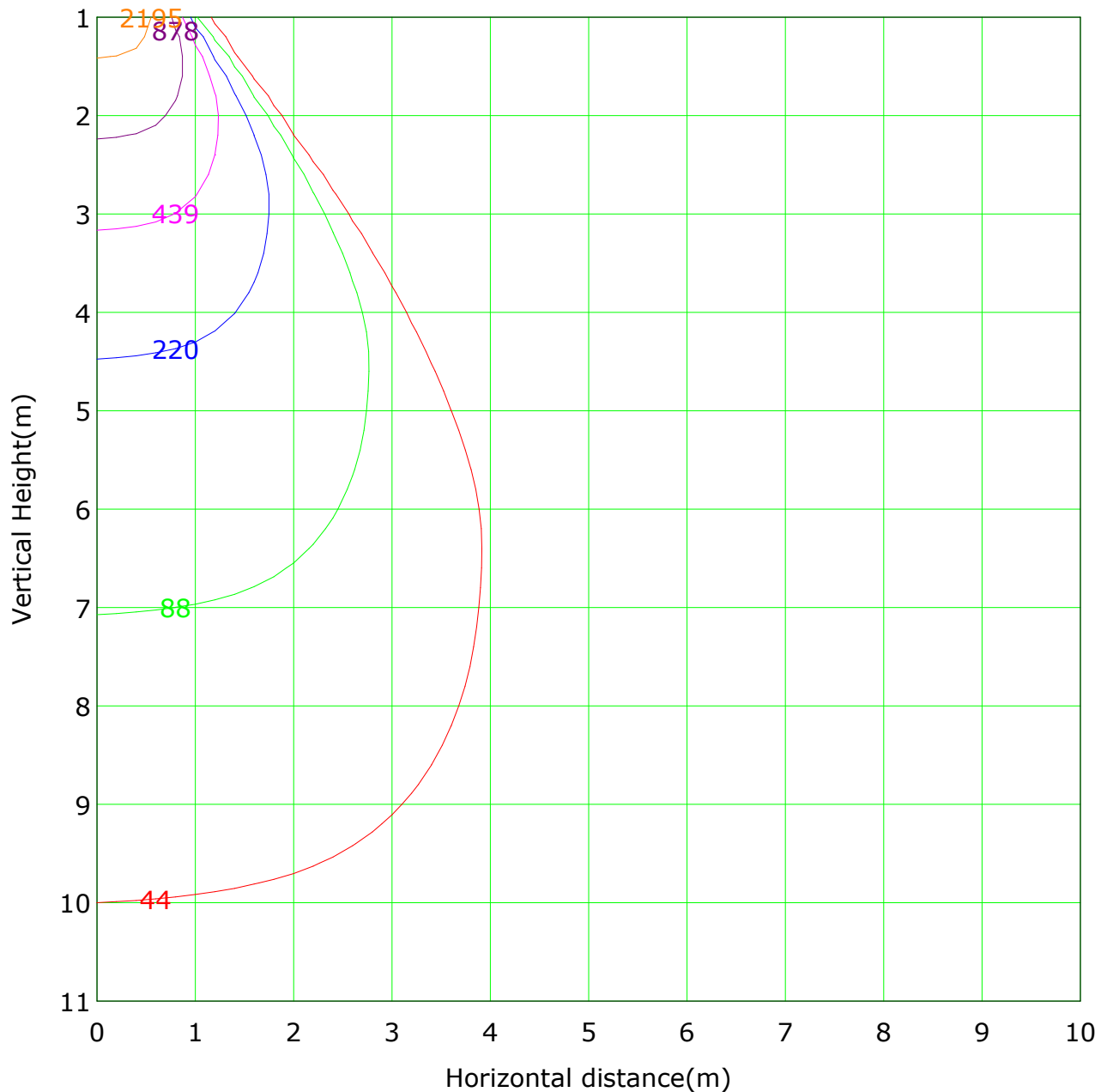
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



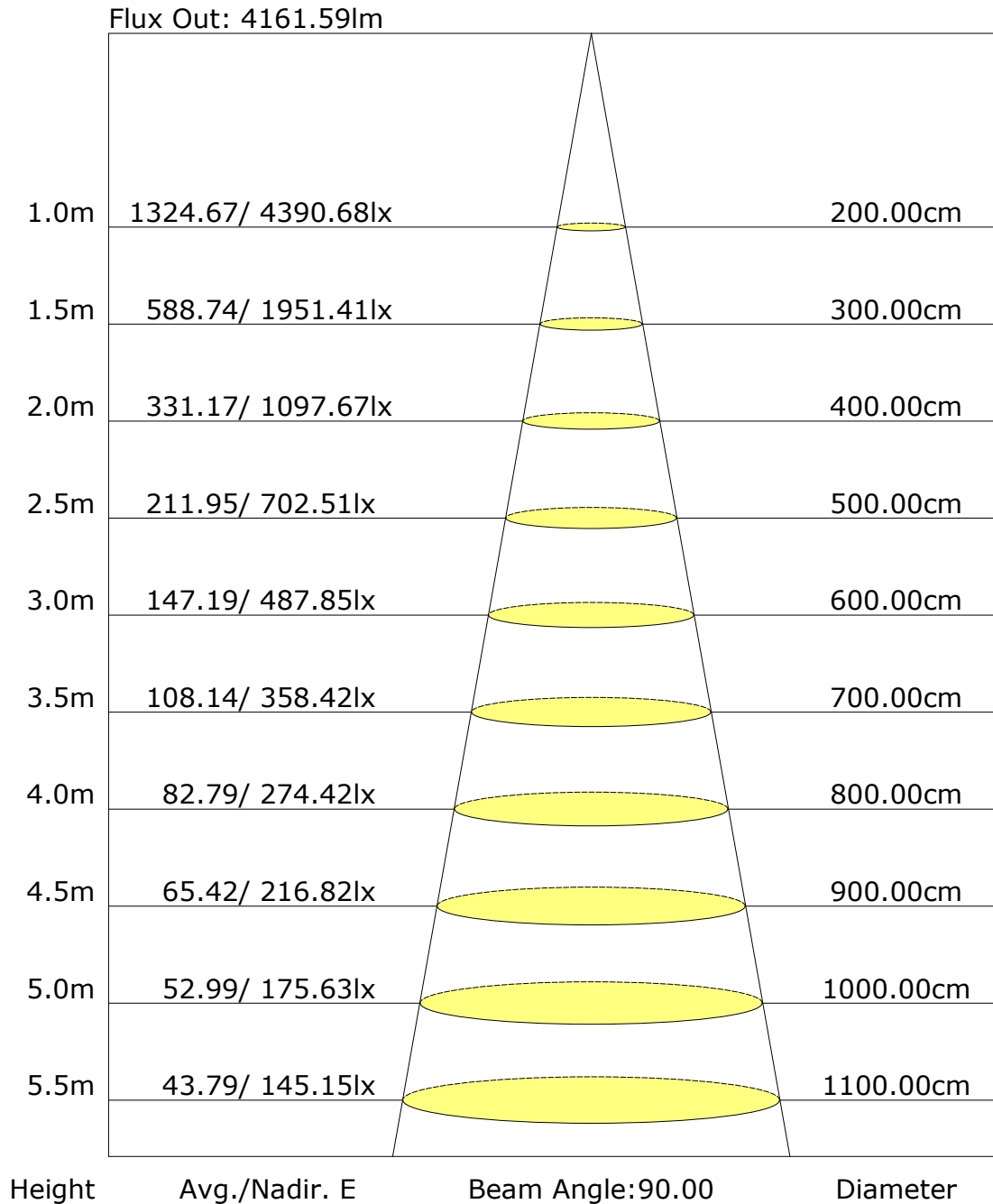
Lowest(m): 1m Highest(m): 11 Max Lux: 4391

(1%): 44 lx	(2%): 88 lx
(5%): 220 lx	(10%): 439 lx
(20%): 878 lx	(50%): 2195 lx
(100%): 4391 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	4391.6	4.2	4.2	0.10	0.10
1.0-2.0	4392.9	12.6	16.8	0.30	0.40
2.0-3.0	4392.5	21.0	37.8	0.49	0.89
3.0-4.0	4392.2	29.4	67.2	0.69	1.58
4.0-5.0	4392.5	37.8	105.0	0.89	2.47
5.0-6.0	4391.6	46.2	151.2	1.09	3.56
6.0-7.0	4388.8	54.5	205.7	1.28	4.84
7.0-8.0	4383.2	62.7	268.4	1.48	6.31
8.0-9.0	4374.2	70.9	339.3	1.67	7.98
9.0-10.0	4362.0	78.9	418.3	1.86	9.84
10.0-11.0	4345.8	86.8	505.1	2.04	11.88
11.0-12.0	4324.3	94.5	599.6	2.22	14.11
12.0-13.0	4296.2	102.0	701.6	2.40	16.50
13.0-14.0	4261.3	109.1	810.7	2.57	19.07
14.0-15.0	4218.6	115.8	926.5	2.72	21.80
15.0-16.0	4167.2	122.1	1048.7	2.87	24.67
16.0-17.0	4107.1	127.9	1176.6	3.01	27.68
17.0-18.0	4037.9	133.2	1309.7	3.13	30.81
18.0-19.0	3960.3	137.8	1447.5	3.24	34.05
19.0-20.0	3873.9	141.8	1589.3	3.34	37.39
20.0-21.0	3778.9	145.1	1734.5	3.41	40.80
21.0-22.0	3675.7	147.7	1882.2	3.48	44.28
22.0-23.0	3563.2	149.5	2031.7	3.52	47.79
23.0-24.0	3441.7	150.5	2182.2	3.54	51.33
24.0-25.0	3313.0	150.7	2332.9	3.54	54.88
25.0-26.0	3178.6	150.1	2482.9	3.53	58.41
26.0-27.0	3040.3	148.8	2631.7	3.50	61.91
27.0-28.0	2898.1	146.7	2778.4	3.45	65.36
28.0-29.0	2754.5	144.1	2922.6	3.39	68.75
29.0-30.0	2612.3	141.1	3063.6	3.32	72.07
30.0-31.0	2466.8	137.3	3200.9	3.23	75.30
31.0-32.0	2307.8	132.2	3333.2	3.11	78.41
32.0-33.0	2132.1	125.6	3458.8	2.96	81.37
33.0-34.0	1938.2	117.3	3576.1	2.76	84.12
34.0-35.0	1727.5	107.3	3683.4	2.52	86.65
35.0-36.0	1509.1	96.1	3779.5	2.26	88.91

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1289.0	84.1	3863.6	1.98	90.89
37.0-38.0	1074.9	71.8	3935.3	1.69	92.58
38.0-39.0	872.7	59.6	3994.9	1.40	93.98
39.0-40.0	685.0	47.8	4042.7	1.12	95.10
40.0-41.0	522.0	37.2	4079.9	0.87	95.98
41.0-42.0	391.4	28.4	4108.3	0.67	96.64
42.0-43.0	295.1	21.9	4130.2	0.51	97.16
43.0-44.0	227.8	17.2	4147.4	0.40	97.56
44.0-45.0	184.8	14.2	4161.6	0.33	97.90
45.0-46.0	156.8	12.3	4173.9	0.29	98.19
46.0-47.0	132.8	10.6	4184.4	0.25	98.43
47.0-48.0	112.5	9.1	4193.5	0.21	98.65
48.0-49.0	97.2	8.0	4201.5	0.19	98.84
49.0-50.0	85.1	7.1	4208.6	0.17	99.00
50.0-51.0	73.9	6.3	4214.8	0.15	99.15
51.0-52.0	63.9	5.5	4220.3	0.13	99.28
52.0-53.0	54.9	4.8	4225.1	0.11	99.39
53.0-54.0	46.8	4.1	4229.2	0.10	99.49
54.0-55.0	40.8	3.6	4232.9	0.09	99.57
55.0-56.0	34.9	3.2	4236.0	0.07	99.65
56.0-57.0	29.3	2.7	4238.7	0.06	99.71
57.0-58.0	25.2	2.3	4241.0	0.05	99.77
58.0-59.0	21.2	2.0	4243.0	0.05	99.81
59.0-60.0	17.8	1.7	4244.7	0.04	99.85
60.0-61.0	15.0	1.4	4246.1	0.03	99.89
61.0-62.0	12.5	1.2	4247.3	0.03	99.91
62.0-63.0	10.3	1.0	4248.3	0.02	99.94
63.0-64.0	8.4	0.8	4249.1	0.02	99.96
64.0-65.0	6.9	0.7	4249.8	0.02	99.97
65.0-66.0	5.0	0.5	4250.3	0.01	99.99
66.0-67.0	3.4	0.3	4250.7	0.01	99.99
67.0-68.0	1.9	0.2	4250.9	0.00	100.00
68.0-69.0	0.6	0.1	4250.9	0.00	100.00
69.0-70.0	0.3	0.0	4251.0	0.00	100.00
70.0-71.0	0.0	0.0	4251.0	0.00	100.00
71.0-72.0	0.0	0.0	4251.0	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	4390.7	4390.7								
G1.0	4384.4	4400.6								
G2.0	4380.7	4405.6								
G3.0	4373.2	4410.6								
G4.0	4369.5	4415.6								
G5.0	4364.5	4420.6								
G6.0	4360.8	4420.6								
G7.0	4357.0	4416.9								
G8.0	4350.8	4408.1								
G9.0	4342.1	4395.7								
G10.0	4332.1	4378.2								
G11.0	4320.9	4352.0								
G12.0	4303.4	4320.9								
G13.0	4279.7	4281.0								
G14.0	4249.8	4234.9								
G15.0	4213.6	4176.3								
G16.0	4168.8	4110.2								
G17.0	4115.2	4034.1								
G18.0	4052.8	3949.4								
G19.0	3981.8	3857.1								
G20.0	3903.2	3753.6								
G21.0	3812.2	3646.4								
G22.0	3716.2	3528.0								
G23.0	3607.8	3400.8								
G24.0	3490.6	3267.4								
G25.0	3369.7	3124.1								
G26.0	3240.0	2980.7								
G27.0	3102.9	2837.4								
G28.0	2959.5	2692.8								
G29.0	2813.7	2551.9								
G30.0	2672.8	2411.0								
G31.0	2534.4	2248.9								
G32.0	2394.8	2053.2								
G33.0	2242.7	1837.6								
G34.0	2055.7	1616.9								
G35.0	1842.5	1395.0								
G36.0	1621.9	1176.8								

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	1396.2	961.2								
G38.0	1175.6	766.7								
G39.0	959.9	588.4								
G40.0	759.2	432.6								
G41.0	579.7	316.6								
G42.0	423.9	245.6								
G43.0	301.7	209.4								
G44.0	224.4	175.8								
G45.0	188.2	150.8								
G46.0	157.1	130.9								
G47.0	130.9	112.2								
G48.0	109.7	97.2								
G49.0	96.0	86.0								
G50.0	82.3	76.1								
G51.0	71.1	66.1								
G52.0	61.1	57.3								
G53.0	52.4	48.6								
G54.0	43.6	42.4								
G55.0	39.9	37.4								
G56.0	32.4	29.9								
G57.0	28.7	26.2								
G58.0	23.7	22.4								
G59.0	20.0	18.7								
G60.0	16.2	16.2								
G61.0	13.7	13.7								
G62.0	10.0	12.5								
G63.0	8.7	10.0								
G64.0	8.7	6.2								
G65.0	6.2	6.2								
G66.0	3.7	3.7								
G67.0	3.7	2.5								
G68.0	1.3	0.0								
G69.0	1.3	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:

Operator:

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: