

Report No.:

Test Time: 2024-08-28 17:08

Luminaire Property

Luminaire Category:

Luminaire Description: 51.04522 24D

Current: 0.135 A

Power Factor: 0.971

Voltage: 221.2 V

Power: 29.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2552.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.6

Vertical Diffuse Angle(50%): V24.6

Luminaire Efficacy Rating (LER): 88

Max. Intensity: 10039.22 cd

Total Rated Lamp Lumens: 2552.8 lm

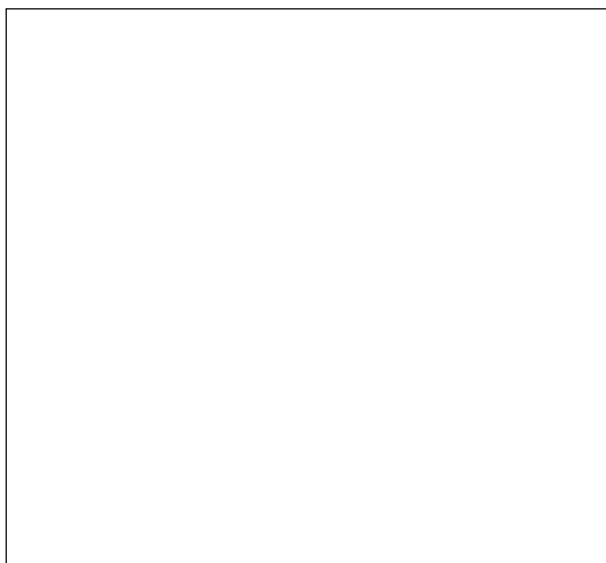
Efficiency: 100%

Upward Ratio: 0%

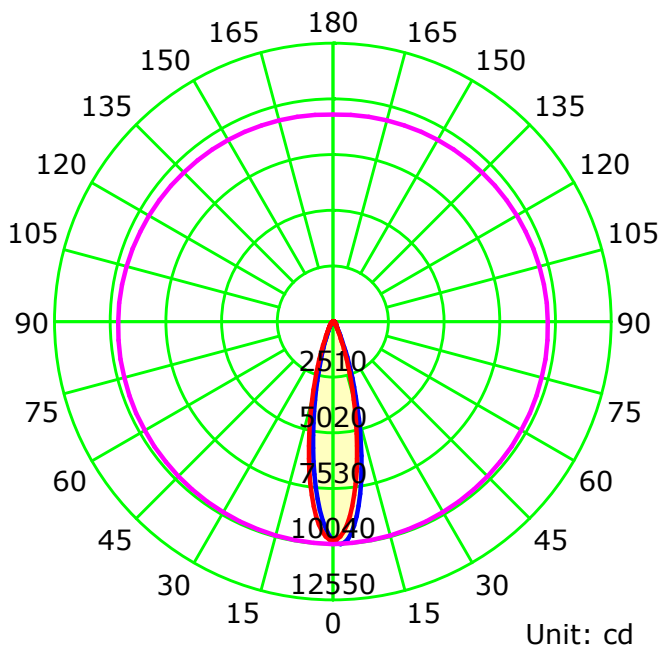
Central Intensity: 9874.66 cd

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

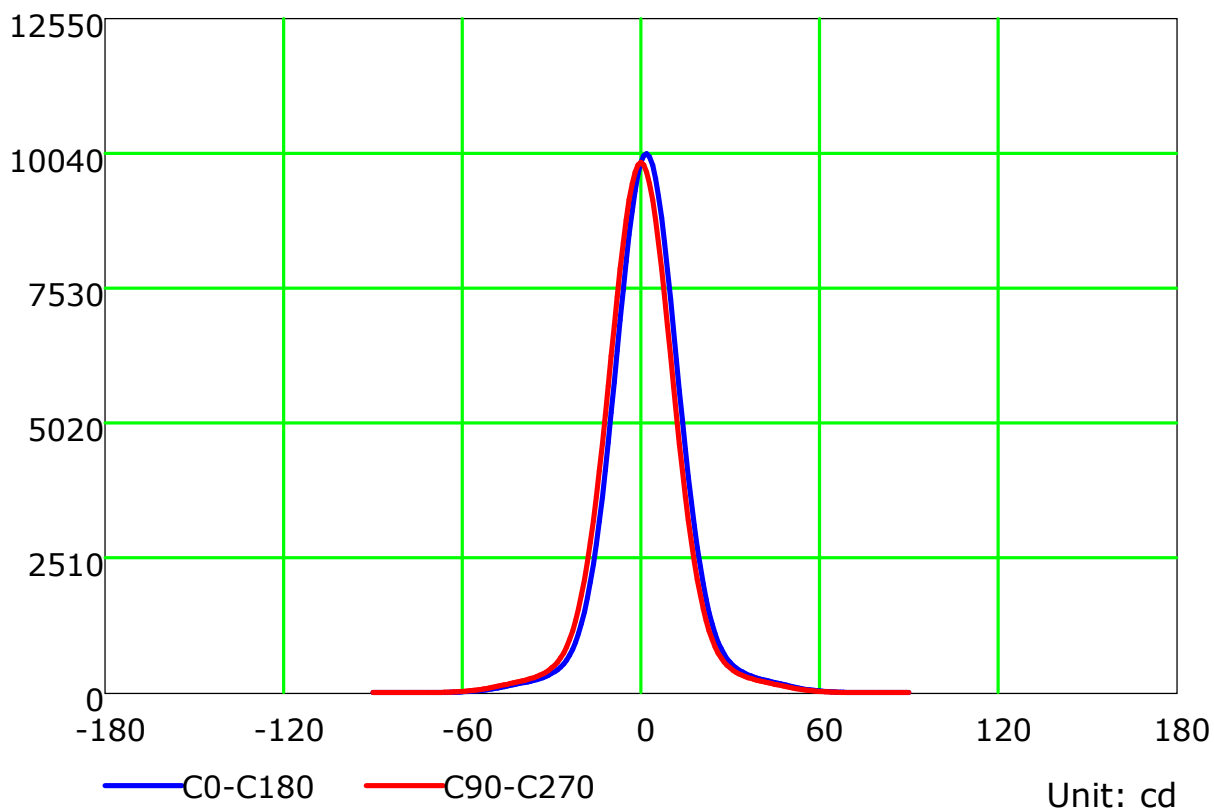
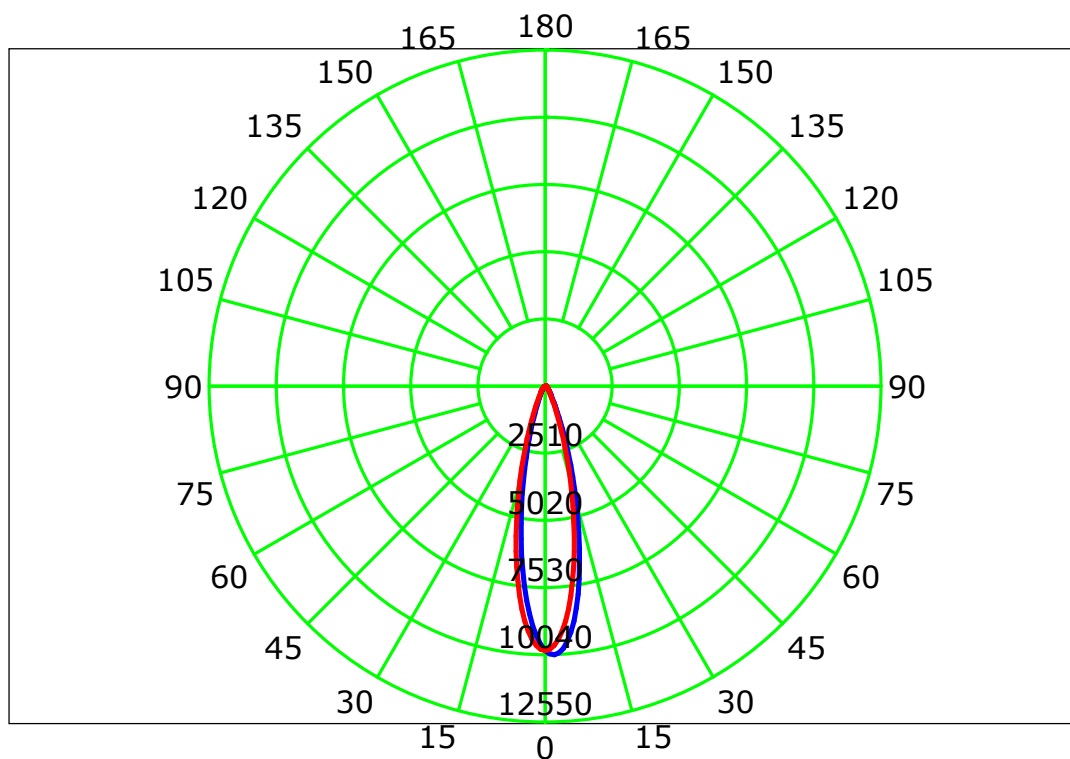
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

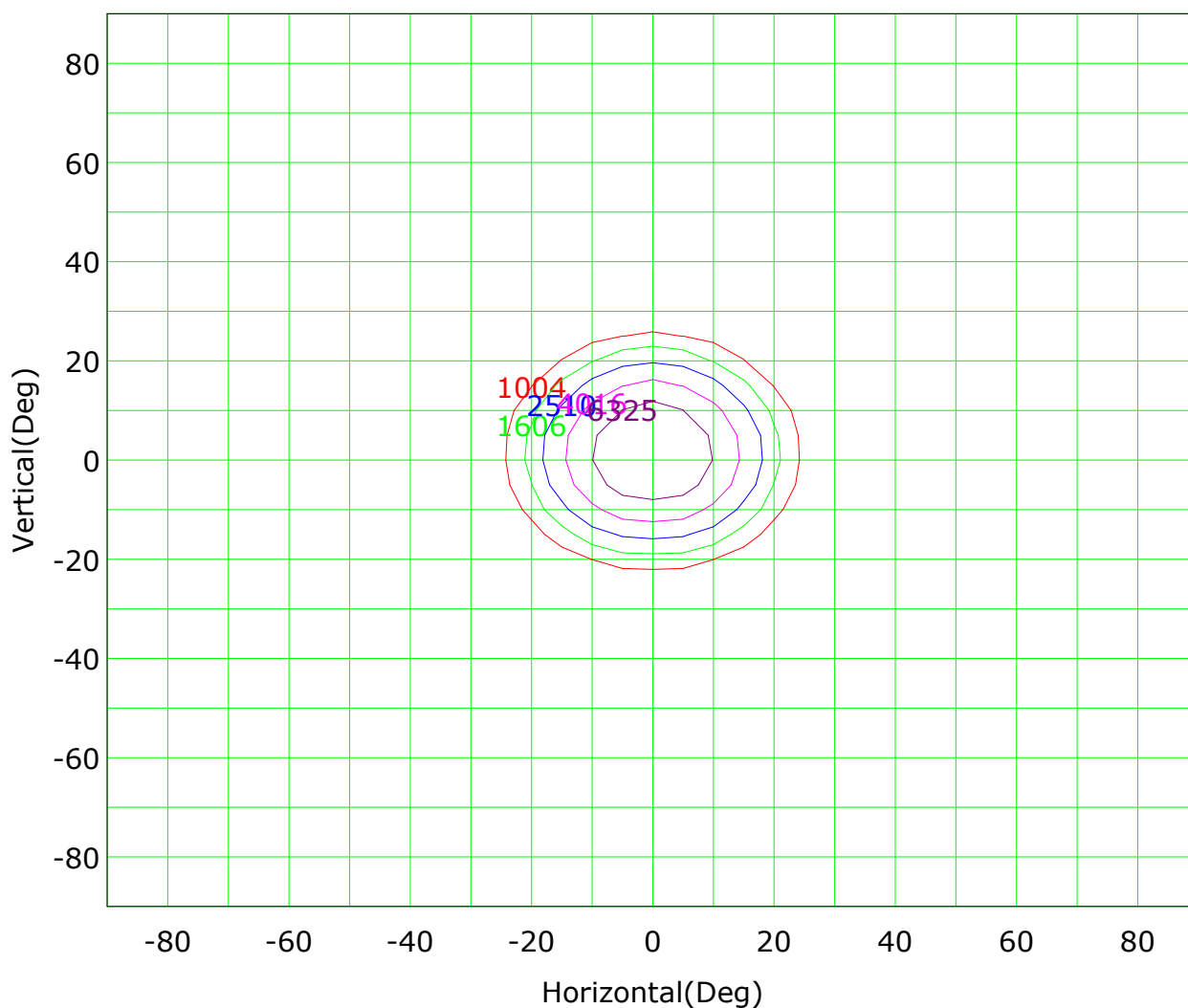
Luminous Intensity Distribution Curve



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%): 10039 cd

(10%): 1004 cd	(16%): 1606 cd
(25%): 2510 cd	(40%): 4016 cd
(63%): 6325 cd	(100%): 10039 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

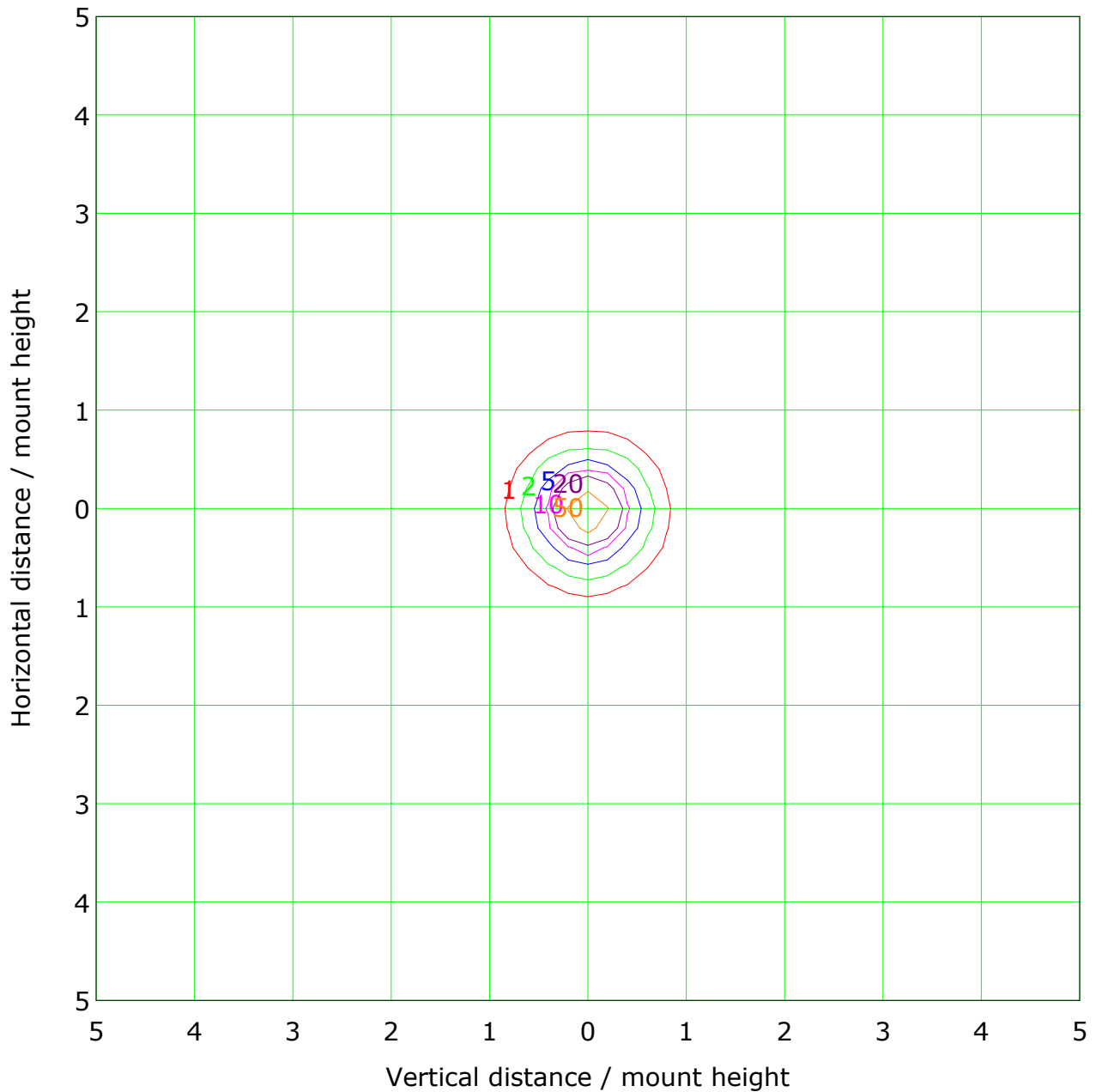
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



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

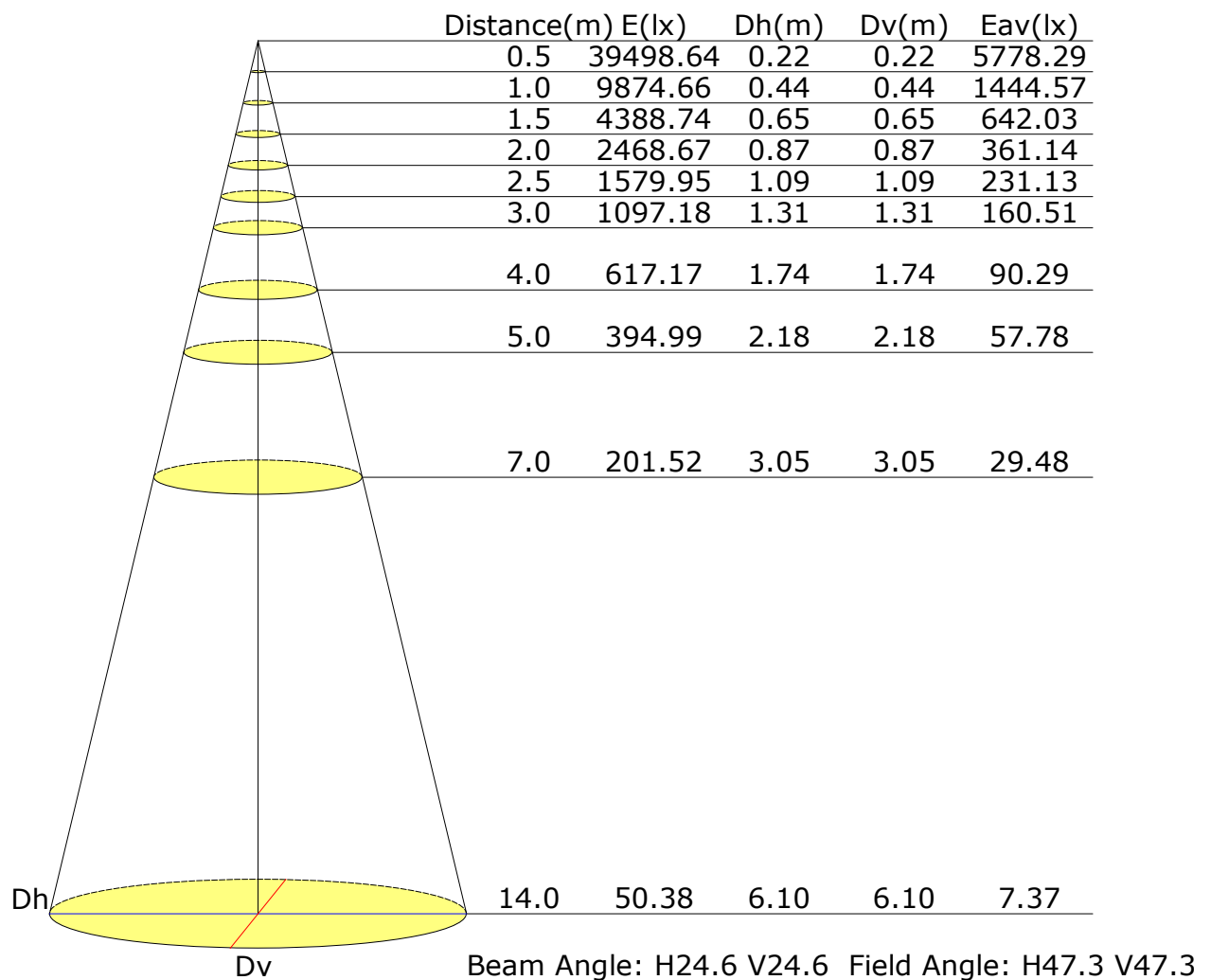
Test Device: CHL-6E

Distance: 3.328 m

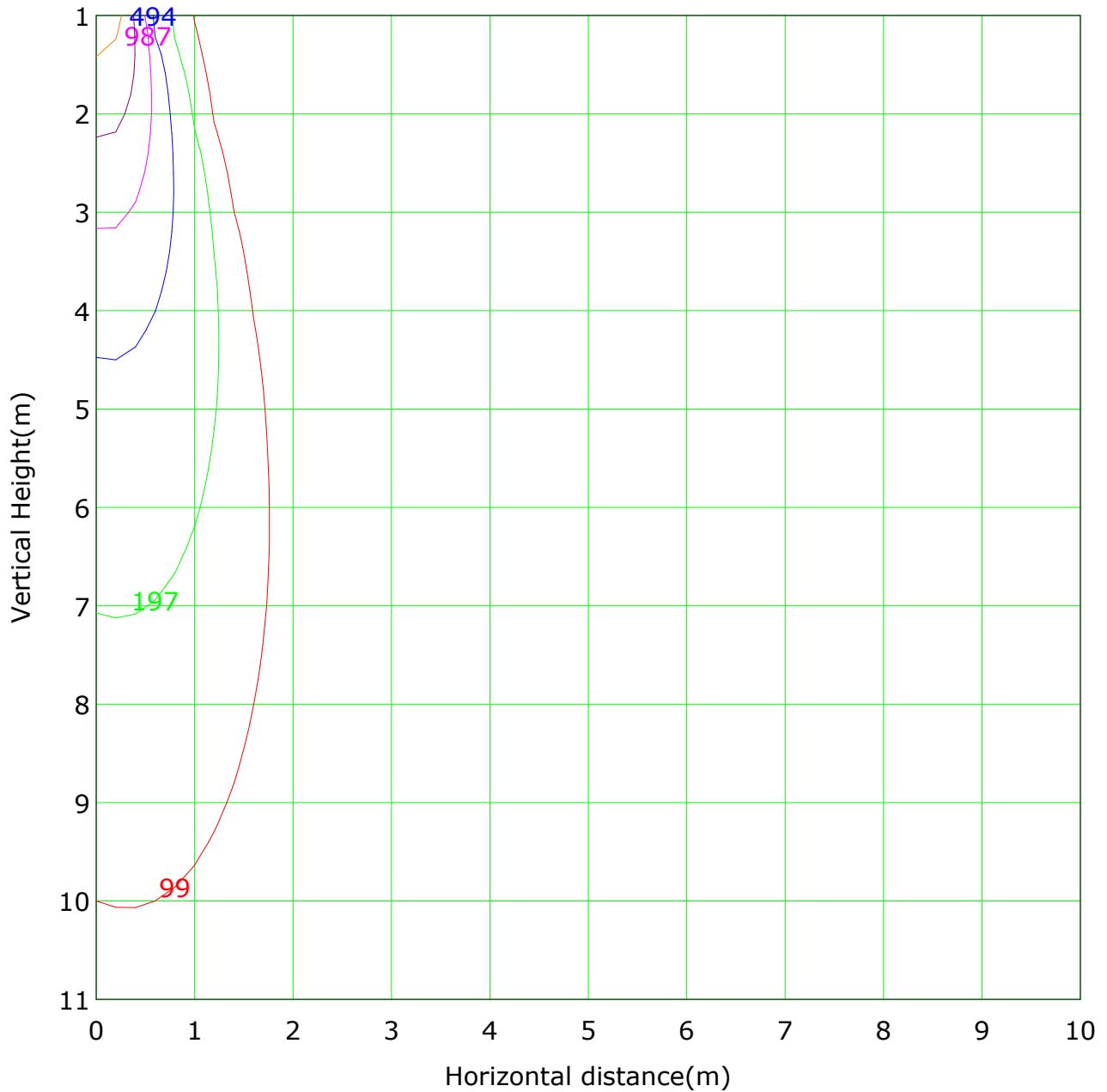
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



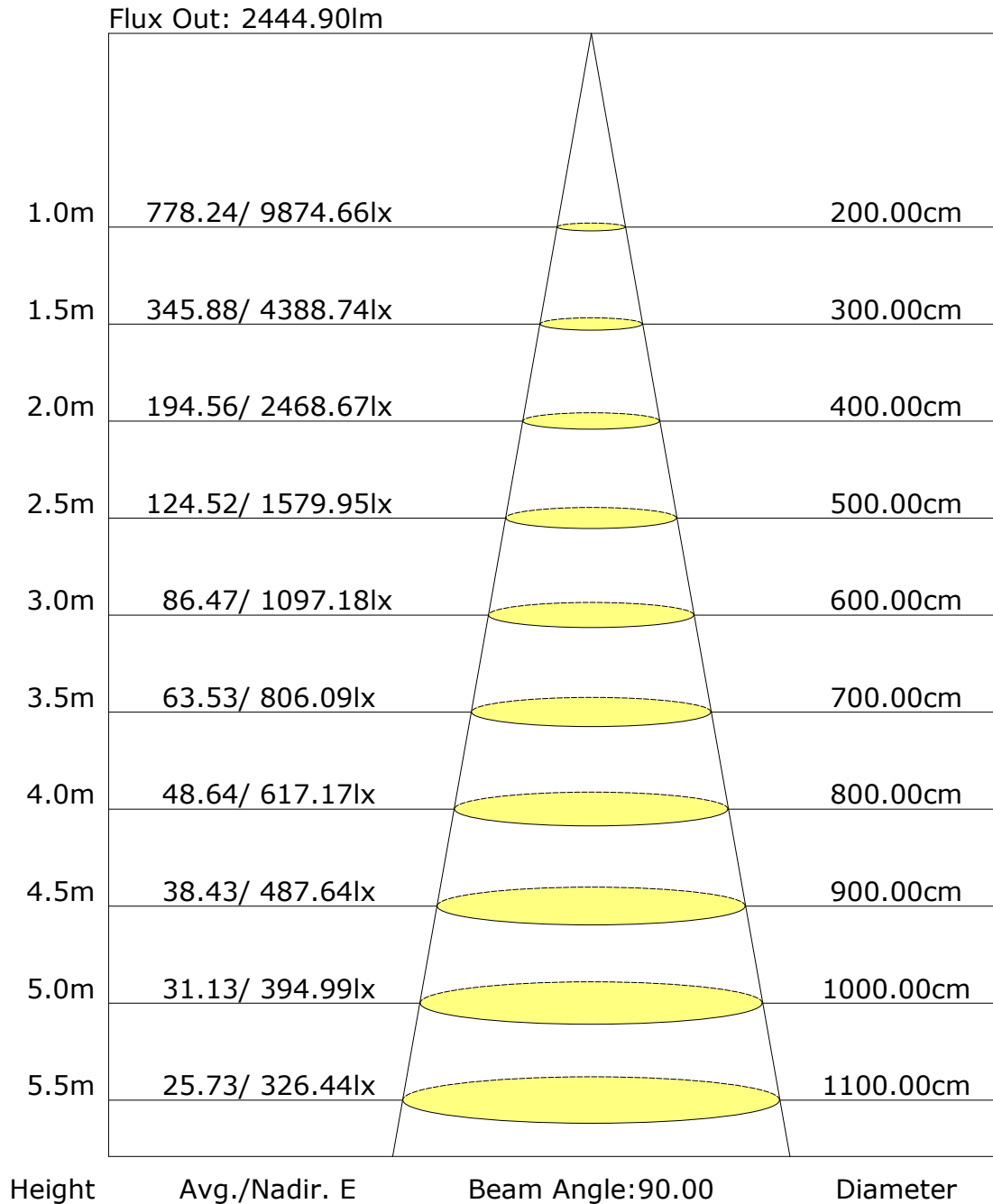
Lowest(m): 1m Highest(m): 11 Max Lux: 9875

(1%): 99 lx	(2%): 197 lx
(5%): 494 lx	(10%): 987 lx
(20%): 1975 lx	(50%): 4937 lx
(100%): 9875 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	9851.6	9.4	9.4	0.37	0.37
1.0-2.0	9760.9	28.0	37.4	1.10	1.47
2.0-3.0	9584.2	45.8	83.3	1.80	3.26
3.0-4.0	9325.2	62.4	145.7	2.45	5.71
4.0-5.0	8988.6	77.3	223.1	3.03	8.74
5.0-6.0	8586.3	90.2	313.3	3.54	12.27
6.0-7.0	8129.7	100.9	414.2	3.95	16.23
7.0-8.0	7629.5	109.2	523.4	4.28	20.50
8.0-9.0	7098.1	115.1	638.5	4.51	25.01
9.0-10.0	6548.0	118.5	757.0	4.64	29.65
10.0-11.0	5989.8	119.7	876.7	4.69	34.34
11.0-12.0	5437.2	118.9	995.6	4.66	39.00
12.0-13.0	4898.7	116.3	1111.8	4.55	43.55
13.0-14.0	4380.1	112.1	1224.0	4.39	47.95
14.0-15.0	3889.2	106.8	1330.8	4.18	52.13
15.0-16.0	3430.1	100.5	1431.3	3.94	56.07
16.0-17.0	3005.3	93.6	1524.9	3.67	59.73
17.0-18.0	2618.9	86.4	1611.2	3.38	63.12
18.0-19.0	2272.3	79.1	1690.3	3.10	66.21
19.0-20.0	1962.5	71.8	1762.1	2.81	69.03
20.0-21.0	1688.9	64.9	1827.0	2.54	71.57
21.0-22.0	1449.2	58.2	1885.3	2.28	73.85
22.0-23.0	1241.7	52.1	1937.4	2.04	75.89
23.0-24.0	1065.6	46.6	1984.0	1.83	77.72
24.0-25.0	917.2	41.7	2025.7	1.63	79.35
25.0-26.0	793.5	37.5	2063.1	1.47	80.82
26.0-27.0	692.5	33.9	2097.0	1.33	82.15
27.0-28.0	609.6	30.9	2127.9	1.21	83.36
28.0-29.0	541.4	28.3	2156.2	1.11	84.46
29.0-30.0	485.9	26.2	2182.4	1.03	85.49
30.0-31.0	438.8	24.4	2206.9	0.96	86.45
31.0-32.0	398.9	22.9	2229.7	0.90	87.34
32.0-33.0	366.2	21.6	2251.3	0.85	88.19
33.0-34.0	337.5	20.4	2271.7	0.80	88.99
34.0-35.0	312.3	19.4	2291.1	0.76	89.75
35.0-36.0	290.2	18.5	2309.6	0.72	90.47

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	271.1	17.7	2327.3	0.69	91.17
37.0-38.0	254.0	17.0	2344.2	0.66	91.83
38.0-39.0	238.1	16.3	2360.5	0.64	92.47
39.0-40.0	224.1	15.6	2376.1	0.61	93.08
40.0-41.0	210.7	15.0	2391.1	0.59	93.67
41.0-42.0	198.5	14.4	2405.6	0.57	94.23
42.0-43.0	187.0	13.9	2419.4	0.54	94.78
43.0-44.0	173.9	13.1	2432.5	0.51	95.29
44.0-45.0	160.8	12.4	2444.9	0.48	95.77
45.0-46.0	149.3	11.7	2456.6	0.46	96.23
46.0-47.0	138.1	11.0	2467.6	0.43	96.66
47.0-48.0	125.9	10.2	2477.7	0.40	97.06
48.0-49.0	113.8	9.3	2487.1	0.37	97.43
49.0-50.0	102.2	8.5	2495.6	0.33	97.76
50.0-51.0	91.0	7.7	2503.3	0.30	98.06
51.0-52.0	80.4	6.9	2510.2	0.27	98.33
52.0-53.0	70.7	6.2	2516.4	0.24	98.57
53.0-54.0	62.0	5.5	2521.8	0.21	98.79
54.0-55.0	53.6	4.8	2526.6	0.19	98.98
55.0-56.0	46.8	4.2	2530.8	0.17	99.14
56.0-57.0	40.8	3.7	2534.6	0.15	99.29
57.0-58.0	35.2	3.3	2537.8	0.13	99.41
58.0-59.0	30.2	2.8	2540.7	0.11	99.53
59.0-60.0	25.2	2.4	2543.0	0.09	99.62
60.0-61.0	20.9	2.0	2545.0	0.08	99.70
61.0-62.0	17.1	1.7	2546.7	0.06	99.76
62.0-63.0	14.7	1.4	2548.1	0.06	99.82
63.0-64.0	12.5	1.2	2549.3	0.05	99.87
64.0-65.0	10.0	1.0	2550.3	0.04	99.90
65.0-66.0	8.1	0.8	2551.1	0.03	99.94
66.0-67.0	6.5	0.7	2551.8	0.03	99.96
67.0-68.0	4.4	0.4	2552.2	0.02	99.98
68.0-69.0	2.5	0.3	2552.5	0.01	99.99
69.0-70.0	1.9	0.2	2552.7	0.01	100.00
70.0-71.0	0.9	0.1	2552.8	0.00	100.00
71.0-72.0	0.0	0.0	2552.8	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	9874.7	9874.7								
G1.0	10003.1	9654.0								
G2.0	10039.2	9347.3								
G3.0	9978.1	8972.1								
G4.0	9822.3	8528.3								
G5.0	9574.2	8029.6								
G6.0	9245.1	7496.1								
G7.0	8842.4	6935.1								
G8.0	8378.7	6361.6								
G9.0	7871.3	5780.7								
G10.0	7329.0	5211.0								
G11.0	6758.0	4661.2								
G12.0	6188.3	4141.4								
G13.0	5624.9	3640.2								
G14.0	5068.9	3186.4								
G15.0	4531.5	2770.0								
G16.0	4025.4	2393.6								
G17.0	3541.7	2060.7								
G18.0	3106.6	1766.5								
G19.0	2709.0	1507.2								
G20.0	2347.4	1286.5								
G21.0	2024.6	1097.1								
G22.0	1737.8	937.5								
G23.0	1486.0	805.3								
G24.0	1274.1	696.9								
G25.0	1092.1	605.9								
G26.0	941.2	534.8								
G27.0	817.8	476.2								
G28.0	715.6	428.9								
G29.0	630.8	390.2								
G30.0	564.7	357.8								
G31.0	506.1	326.6								
G32.0	461.3	301.7								
G33.0	422.6	279.3								
G34.0	387.7	260.5								
G35.0	359.0	241.9								
G36.0	332.9	226.9								

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	310.4	214.4								
G38.0	289.2	202.0								
G39.0	271.8	189.5								
G40.0	255.6	179.5								
G41.0	240.6	167.1								
G42.0	229.4	157.1								
G43.0	216.9	144.6								
G44.0	202.0	132.1								
G45.0	189.5	119.7								
G46.0	178.3	109.7								
G47.0	165.8	98.5								
G48.0	150.8	88.5								
G49.0	137.1	78.5								
G50.0	123.4	69.8								
G51.0	109.7	61.1								
G52.0	98.5	52.4								
G53.0	86.0	46.1								
G54.0	76.1	39.9								
G55.0	64.8	33.7								
G56.0	57.3	31.2								
G57.0	49.9	24.9								
G58.0	43.6	22.4								
G59.0	36.2	18.7								
G60.0	29.9	16.2								
G61.0	26.2	11.2								
G62.0	20.0	11.2								
G63.0	18.7	8.7								
G64.0	16.2	6.2								
G65.0	12.5	5.0								
G66.0	10.0	5.0								
G67.0	8.7	2.5								
G68.0	6.2	0.0								
G69.0	3.7	0.0								
G70.0	3.7	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: