

Report No.:

Test Time: 2024-08-28 17:17

Luminaire Property

Luminaire Category:

Luminaire Description: 51.04522 12D

Current: 0.170 A

Power Factor: 0.976

Voltage: 226.7 V

Power: 37.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3018.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17

Vertical Diffuse Angle(50%): V17

Luminaire Efficacy Rating (LER): 80

Max. Intensity: 19885.22 cd

Total Rated Lamp Lumens: 3018.7 lm

Efficiency: 100%

Upward Ratio: 0%

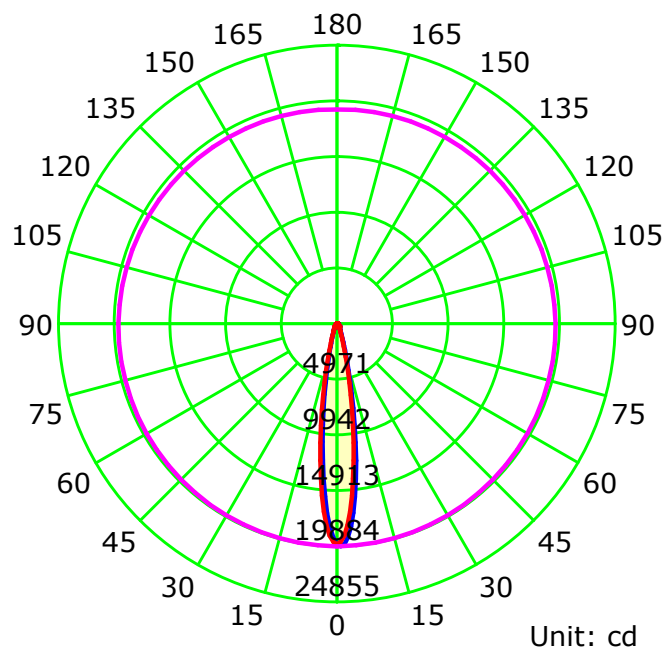
Central Intensity: 19700.7 cd

Pos of Max. Intensity: H0 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

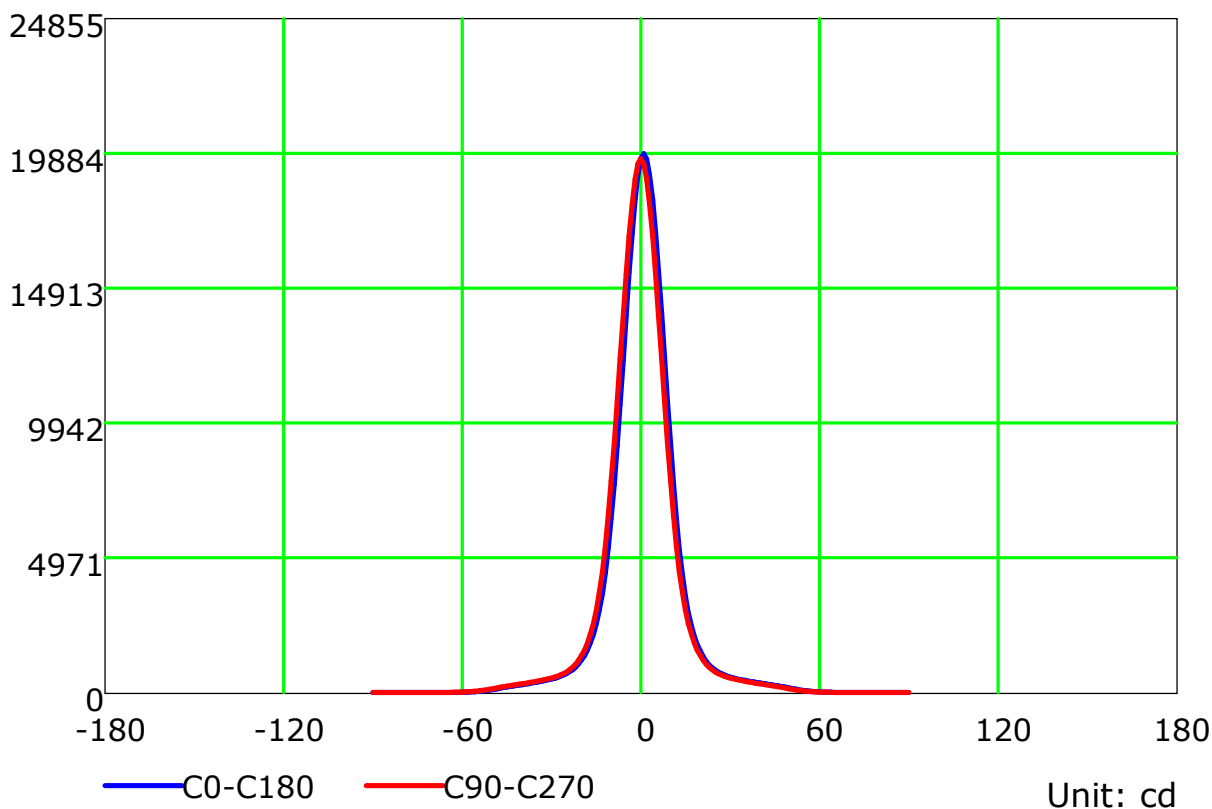
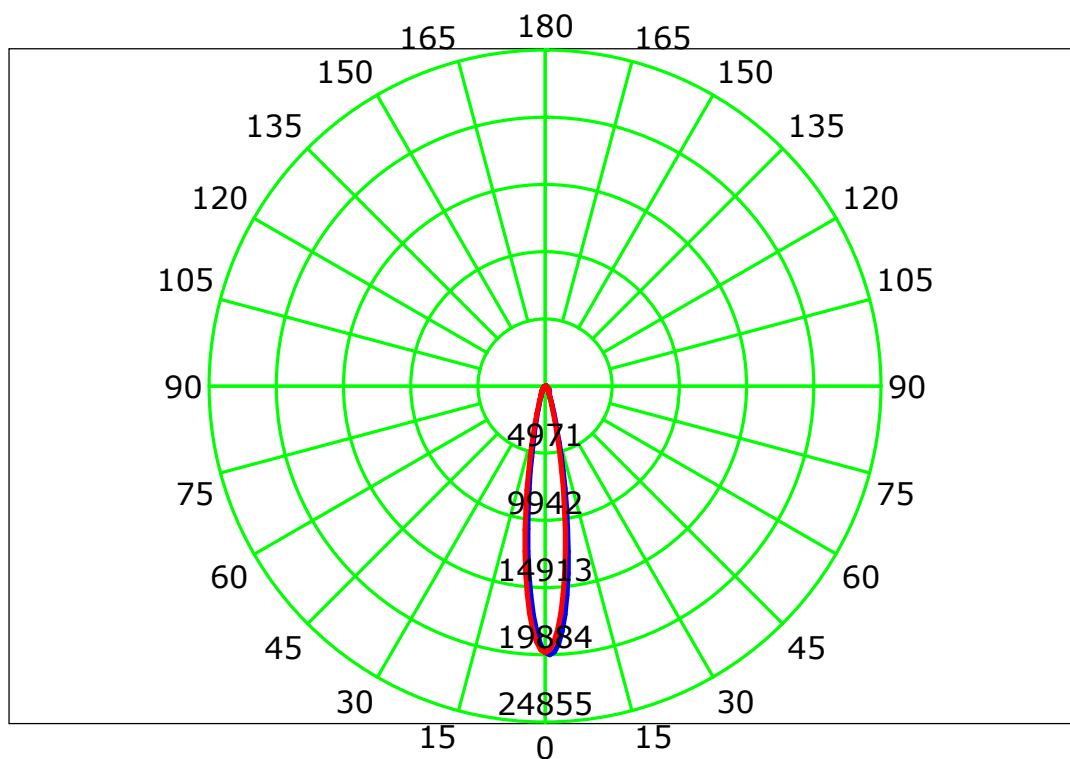
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

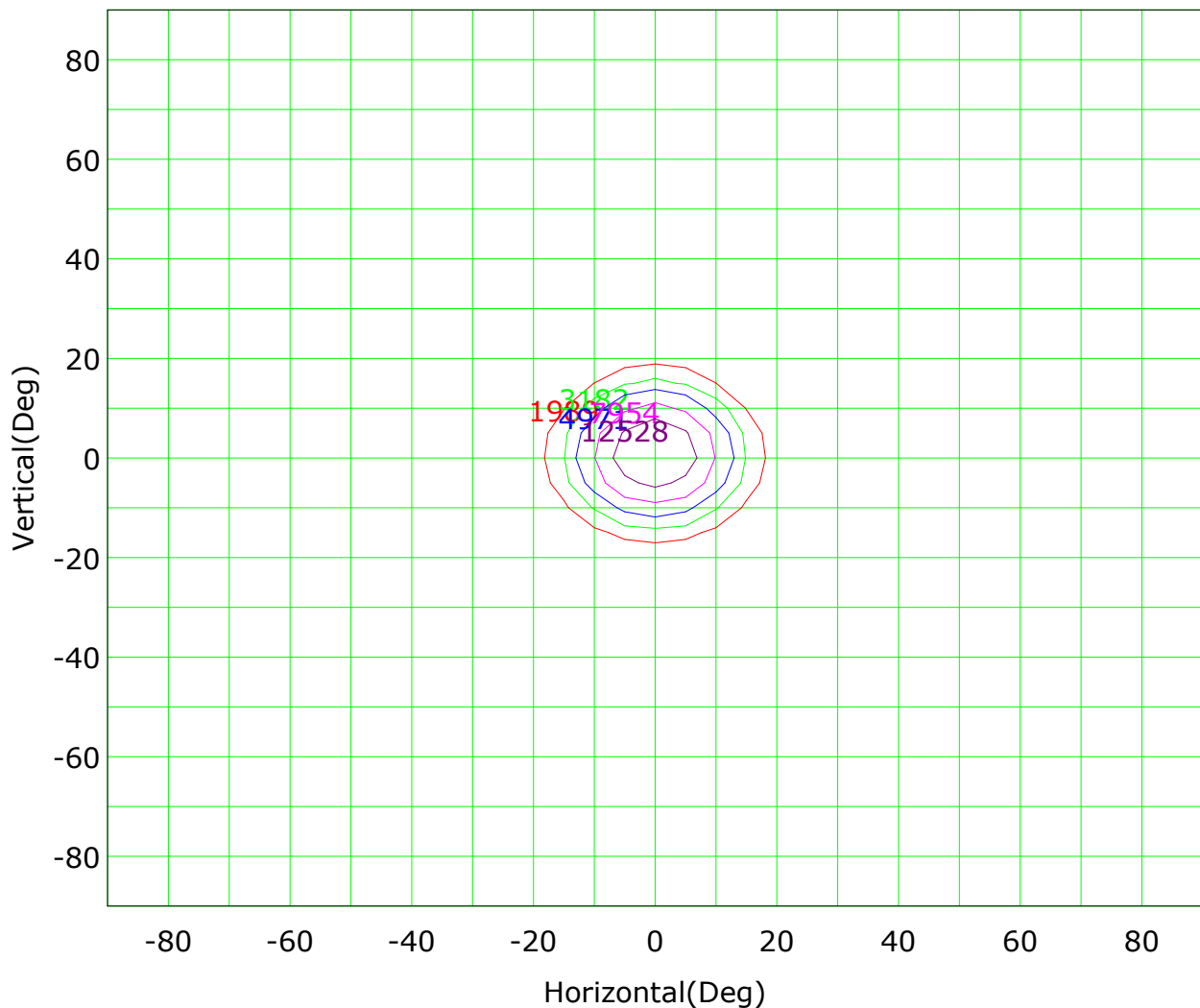
Luminous Intensity Distribution Curve



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%): 19885 cd

(10%): 1989 cd	(16%): 3182 cd
(25%): 4971 cd	(40%): 7954 cd
(63%): 12528 cd	(100%): 19885 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

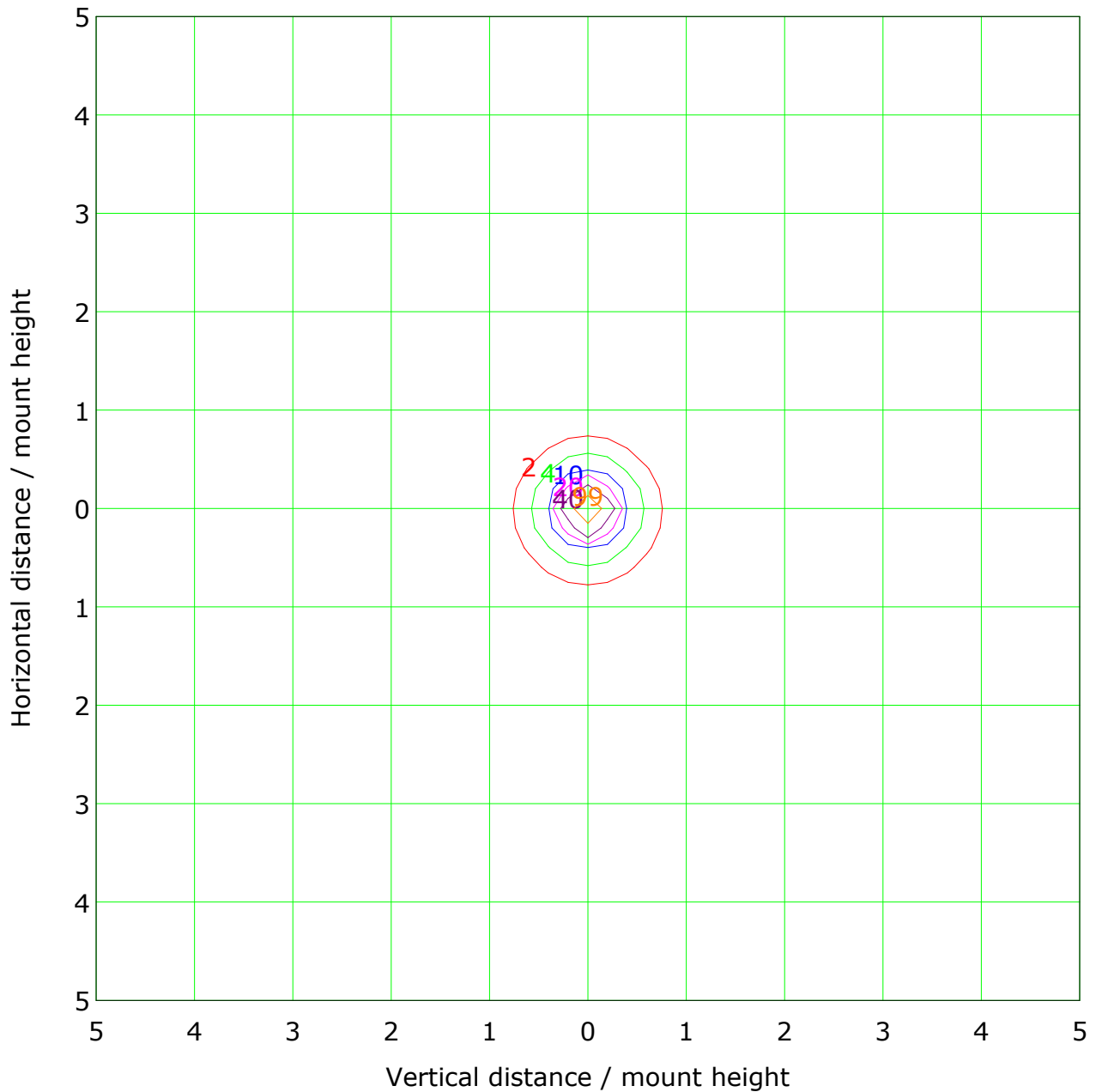
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

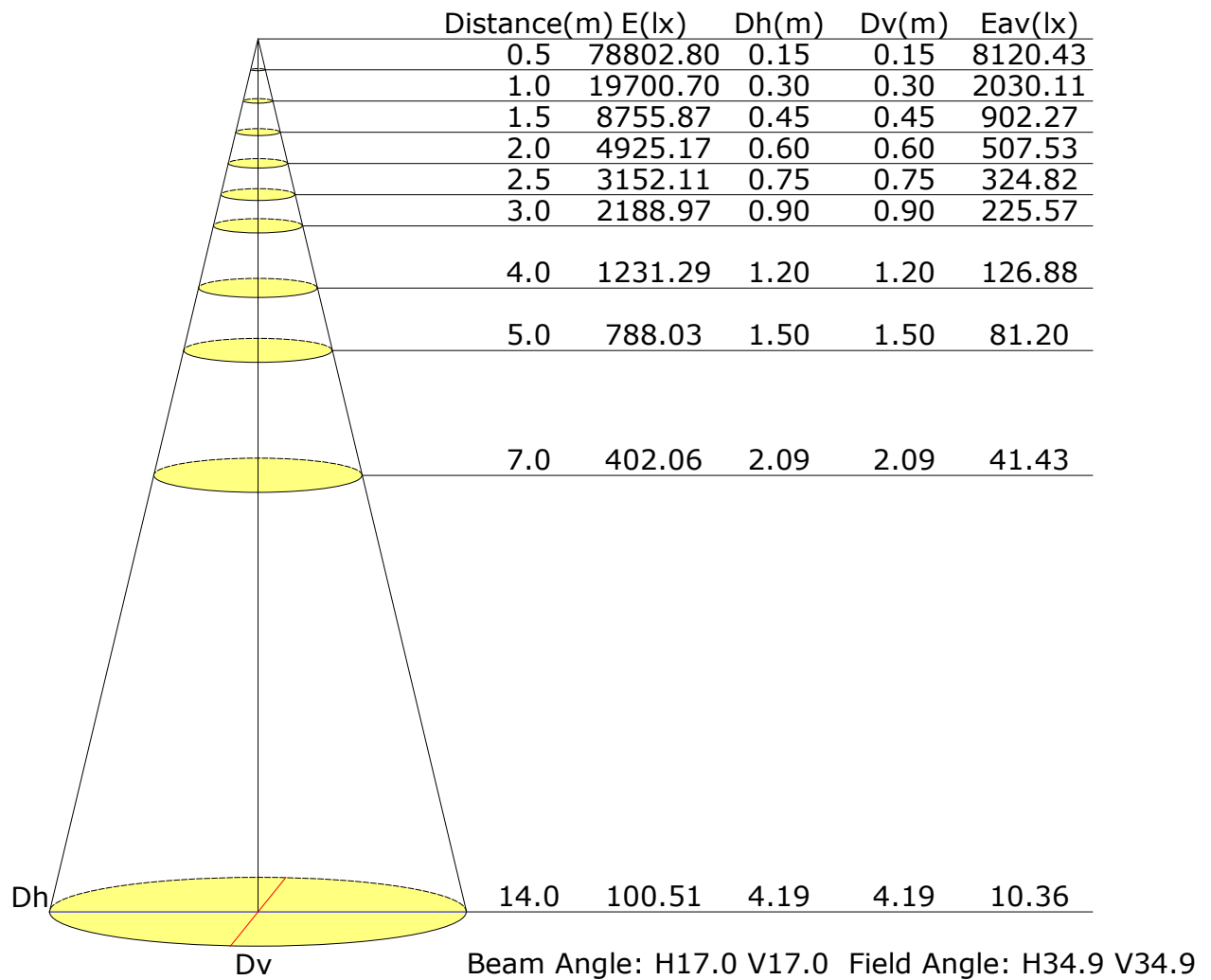


Mounting Height: 10m		Max Lux(100%): 199 lx	
(1%):	2 lx	(2%):	4 lx
(5%):	10 lx	(10%):	20 lx
(20%):	40 lx	(50%):	99 lx
(100%):	199 lx		

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



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

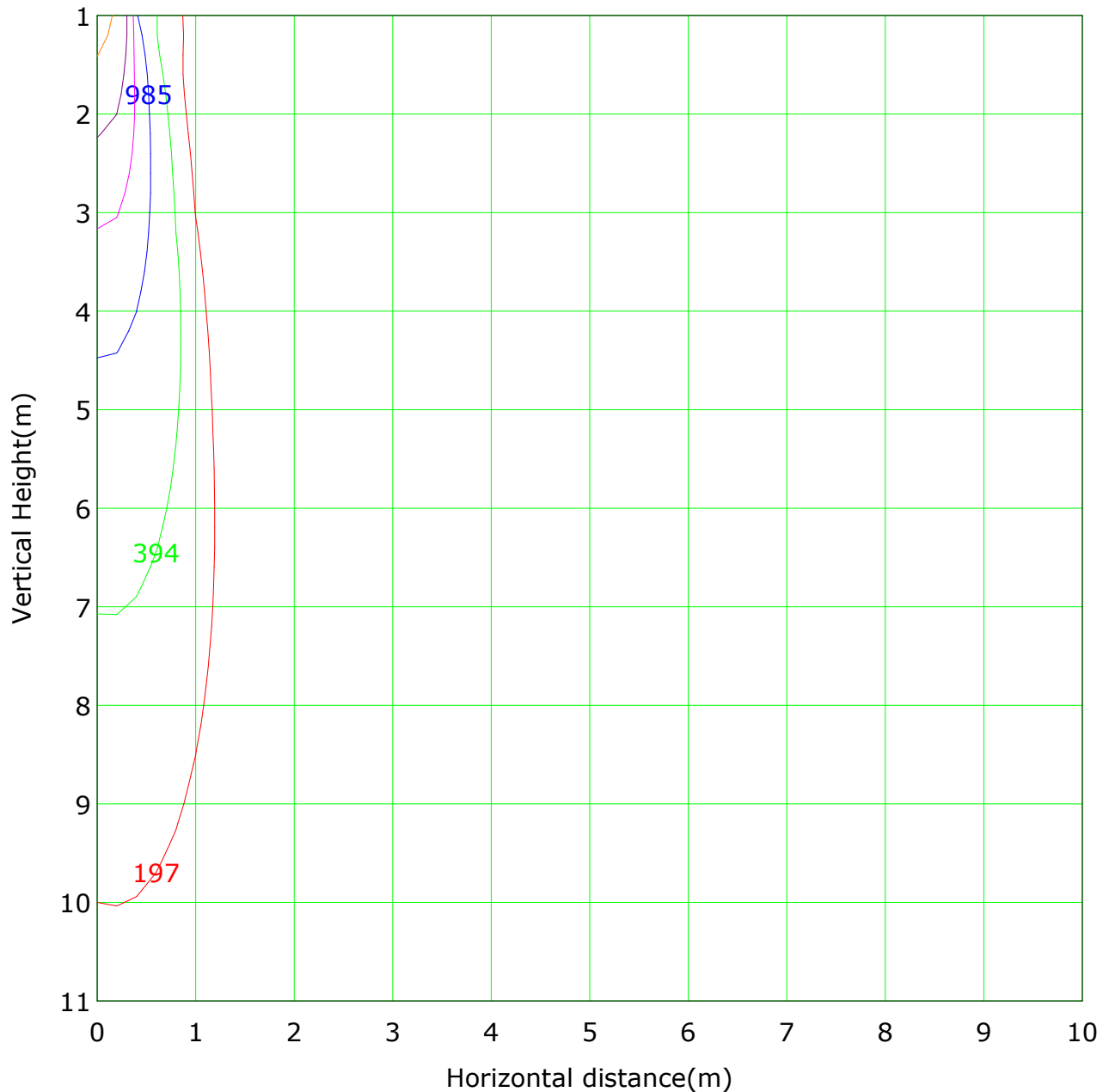
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Vertical IsoLux Plot



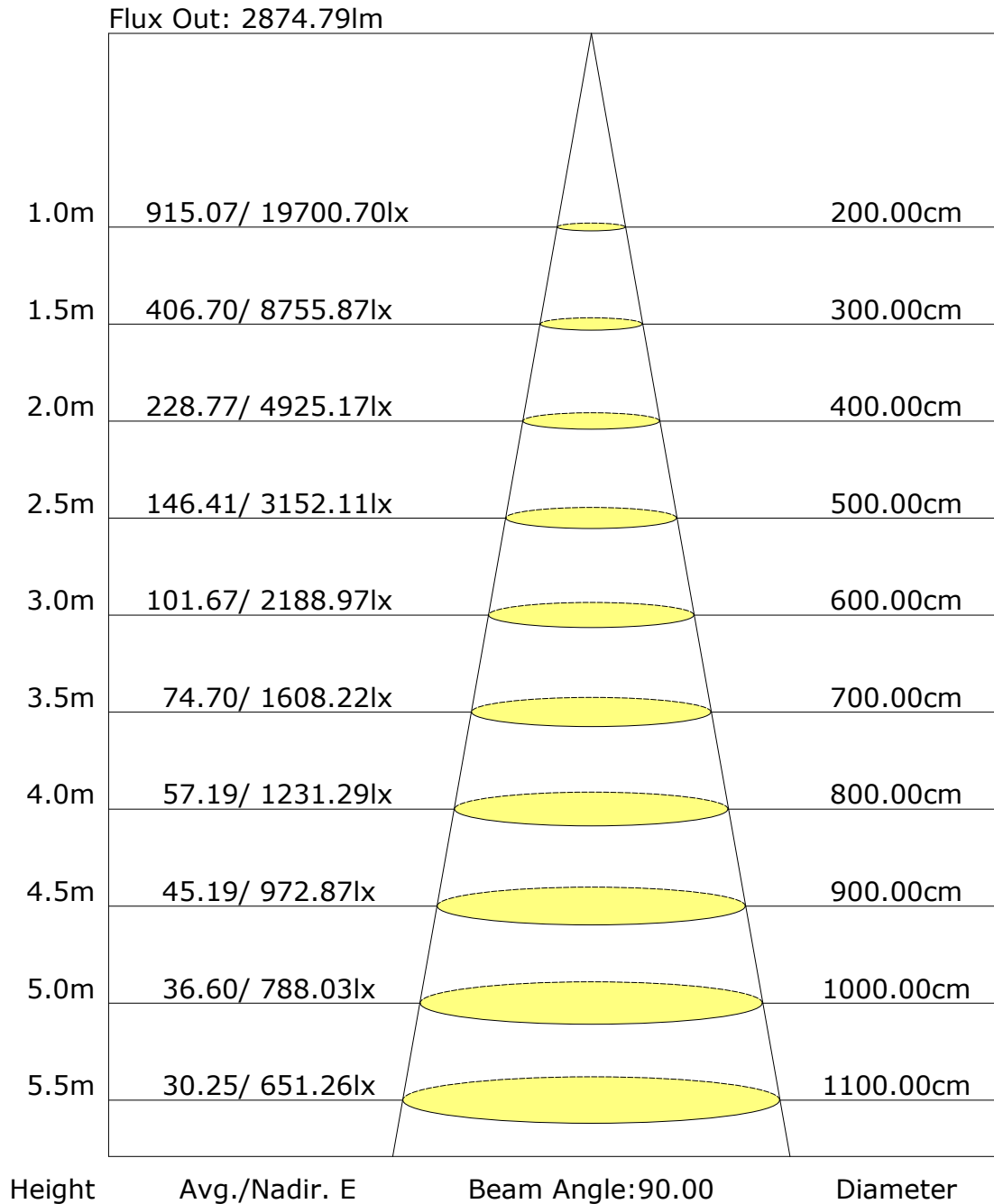
Lowest(m): 1m Highest(m): 11 Max Lux: 19701

(1%): 197 lx	(2%): 394 lx
(5%): 985 lx	(10%): 1970 lx
(20%): 3940 lx	(50%): 9850 lx
(100%): 19701 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	19606.9	18.8	18.8	0.62	0.62
1.0-2.0	19227.0	55.2	74.0	1.83	2.45
2.0-3.0	18481.2	88.4	162.4	2.93	5.38
3.0-4.0	17426.2	116.7	279.0	3.86	9.24
4.0-5.0	16128.1	138.8	417.8	4.60	13.84
5.0-6.0	14664.3	154.1	571.9	5.11	18.95
6.0-7.0	13107.5	162.7	734.6	5.39	24.34
7.0-8.0	11522.4	164.9	899.6	5.46	29.80
8.0-9.0	9974.1	161.7	1061.2	5.36	35.16
9.0-10.0	8506.8	154.0	1215.2	5.10	40.26
10.0-11.0	7158.5	143.1	1358.2	4.74	44.99
11.0-12.0	5962.4	130.4	1488.6	4.32	49.31
12.0-13.0	4933.9	117.1	1605.7	3.88	53.19
13.0-14.0	4073.1	104.3	1710.0	3.45	56.65
14.0-15.0	3370.9	92.6	1802.5	3.07	59.71
15.0-16.0	2805.9	82.2	1884.8	2.72	62.44
16.0-17.0	2351.8	73.2	1958.0	2.43	64.86
17.0-18.0	1988.7	65.6	2023.6	2.17	67.04
18.0-19.0	1697.9	59.1	2082.7	1.96	68.99
19.0-20.0	1463.9	53.6	2136.3	1.78	70.77
20.0-21.0	1274.7	49.0	2185.2	1.62	72.39
21.0-22.0	1119.2	45.0	2230.2	1.49	73.88
22.0-23.0	991.7	41.6	2271.8	1.38	75.26
23.0-24.0	888.5	38.9	2310.7	1.29	76.55
24.0-25.0	805.0	36.6	2347.3	1.21	77.76
25.0-26.0	736.1	34.8	2382.0	1.15	78.91
26.0-27.0	678.8	33.2	2415.2	1.10	80.01
27.0-28.0	629.9	31.9	2447.1	1.06	81.07
28.0-29.0	588.7	30.8	2477.9	1.02	82.09
29.0-30.0	554.1	29.9	2507.9	0.99	83.08
30.0-31.0	524.5	29.2	2537.1	0.97	84.04
31.0-32.0	497.7	28.5	2565.6	0.94	84.99
32.0-33.0	472.5	27.8	2593.4	0.92	85.91
33.0-34.0	449.1	27.2	2620.6	0.90	86.81
34.0-35.0	427.6	26.6	2647.2	0.88	87.69
35.0-36.0	408.3	26.0	2673.2	0.86	88.55

C Plane (°):0.0-180.0: 180.0
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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	388.6	25.4	2698.5	0.84	89.39
37.0-38.0	369.3	24.7	2723.2	0.82	90.21
38.0-39.0	351.2	24.0	2747.1	0.79	91.00
39.0-40.0	333.5	23.3	2770.4	0.77	91.77
40.0-41.0	316.3	22.5	2792.9	0.75	92.52
41.0-42.0	299.2	21.7	2814.7	0.72	93.24
42.0-43.0	282.4	20.9	2835.6	0.69	93.93
43.0-44.0	266.2	20.1	2855.7	0.67	94.60
44.0-45.0	248.7	19.1	2874.8	0.63	95.23
45.0-46.0	230.3	18.0	2892.8	0.60	95.83
46.0-47.0	211.6	16.8	2909.6	0.56	96.39
47.0-48.0	192.0	15.5	2925.2	0.51	96.90
48.0-49.0	171.7	14.1	2939.3	0.47	97.37
49.0-50.0	150.8	12.6	2951.8	0.42	97.79
50.0-51.0	130.6	11.0	2962.9	0.37	98.15
51.0-52.0	111.9	9.6	2972.5	0.32	98.47
52.0-53.0	94.4	8.2	2980.7	0.27	98.74
53.0-54.0	78.8	7.0	2987.7	0.23	98.97
54.0-55.0	65.1	5.8	2993.5	0.19	99.16
55.0-56.0	53.3	4.8	2998.3	0.16	99.32
56.0-57.0	43.6	4.0	3002.3	0.13	99.46
57.0-58.0	35.2	3.3	3005.5	0.11	99.56
58.0-59.0	28.4	2.7	3008.2	0.09	99.65
59.0-60.0	22.8	2.1	3010.3	0.07	99.72
60.0-61.0	18.4	1.8	3012.1	0.06	99.78
61.0-62.0	15.6	1.5	3013.6	0.05	99.83
62.0-63.0	13.4	1.3	3014.9	0.04	99.87
63.0-64.0	10.9	1.1	3016.0	0.04	99.91
64.0-65.0	8.7	0.9	3016.8	0.03	99.94
65.0-66.0	7.2	0.7	3017.6	0.02	99.96
66.0-67.0	5.0	0.5	3018.1	0.02	99.98
67.0-68.0	2.8	0.3	3018.3	0.01	99.99
68.0-69.0	1.9	0.2	3018.5	0.01	99.99
69.0-70.0	1.2	0.1	3018.7	0.00	100.00
70.0-71.0	0.3	0.0	3018.7	0.00	100.00
71.0-72.0	0.0	0.0	3018.7	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	19700.7	19700.7								
G1.0	19885.2	19141.0								
G2.0	19679.5	18202.2								
G3.0	19088.6	16954.3								
G4.0	18173.6	15488.3								
G5.0	16958.1	13892.6								
G6.0	15541.9	12264.5								
G7.0	13987.3	10636.4								
G8.0	12359.2	9106.7								
G9.0	10736.1	7694.3								
G10.0	9172.8	6424.0								
G11.0	7706.8	5330.6								
G12.0	6401.5	4410.6								
G13.0	5274.5	3648.9								
G14.0	4327.1	3041.8								
G15.0	3560.4	2554.4								
G16.0	2949.6	2159.2								
G17.0	2458.4	1840.1								
G18.0	2075.7	1580.7								
G19.0	1767.7	1367.6								
G20.0	1523.4	1196.8								
G21.0	1321.4	1057.2								
G22.0	1156.9	941.2								
G23.0	1023.5	845.2								
G24.0	917.5	767.9								
G25.0	829.0	705.6								
G26.0	758.0	652.0								
G27.0	700.6	604.6								
G28.0	650.8	563.5								
G29.0	609.6	531.1								
G30.0	573.5	502.4								
G31.0	546.0	476.2								
G32.0	518.6	450.0								
G33.0	494.9	426.4								
G34.0	471.2	403.9								
G35.0	451.3	384.0								
G36.0	431.3	366.5								

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	411.4	345.3								
G38.0	391.5	329.1								
G39.0	374.0	310.4								
G40.0	355.3	294.2								
G41.0	337.8	278.0								
G42.0	320.4	260.5								
G43.0	304.2	244.3								
G44.0	289.2	226.9								
G45.0	269.3	209.4								
G46.0	253.1	189.5								
G47.0	234.4	169.5								
G48.0	214.4	149.6								
G49.0	193.2	129.6								
G50.0	170.8	109.7								
G51.0	150.8	91.0								
G52.0	130.9	74.8								
G53.0	109.7	62.3								
G54.0	92.3	51.1								
G55.0	76.1	41.1								
G56.0	61.1	34.9								
G57.0	48.6	29.9								
G58.0	39.9	22.4								
G59.0	32.4	18.7								
G60.0	26.2	13.7								
G61.0	22.4	11.2								
G62.0	18.7	10.0								
G63.0	16.2	8.7								
G64.0	12.5	6.2								
G65.0	10.0	6.2								
G66.0	8.7	3.7								
G67.0	5.0	2.5								
G68.0	3.7	0.0								
G69.0	3.7	0.0								
G70.0	1.3	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

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Inspector:

Unit: cd

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