

Report No.:91.08412 Tla Surface Mounted Test Time: 2024-10-07 19:33
Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.045 A

Power Factor: 0.881

Voltage: 237.1 V

Power: 9.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 933.6 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H20.8

Vertical Diffuse Angle(50%): V20.8

Luminaire Efficacy Rating (LER): 100

Max. Intensity: 4069.05 cd

Total Rated Lamp Lumens: 933.6 lm

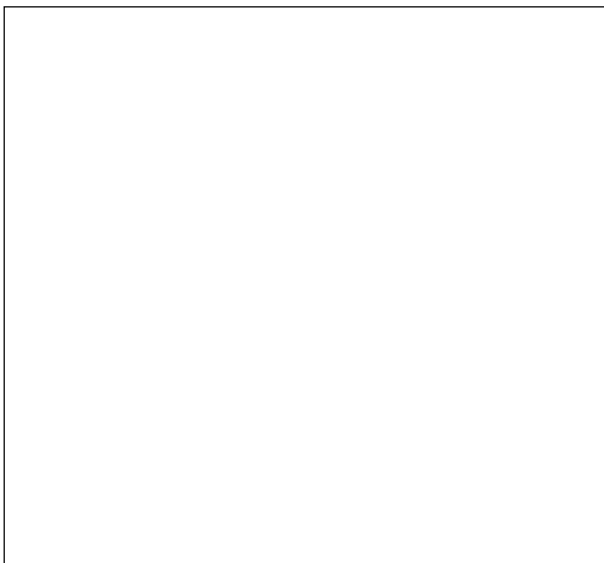
Efficiency: 100%

Upward Ratio: 0%

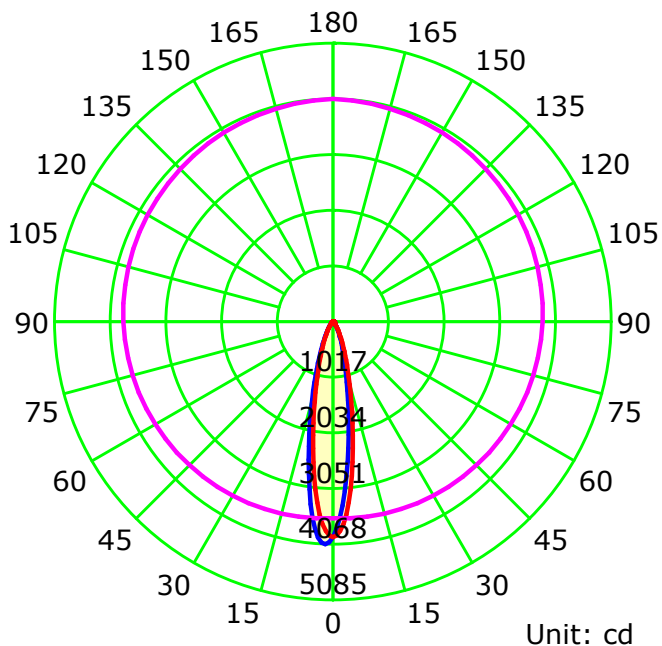
Central Intensity: 3934.41 cd

Pos of Max. Intensity: H180 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

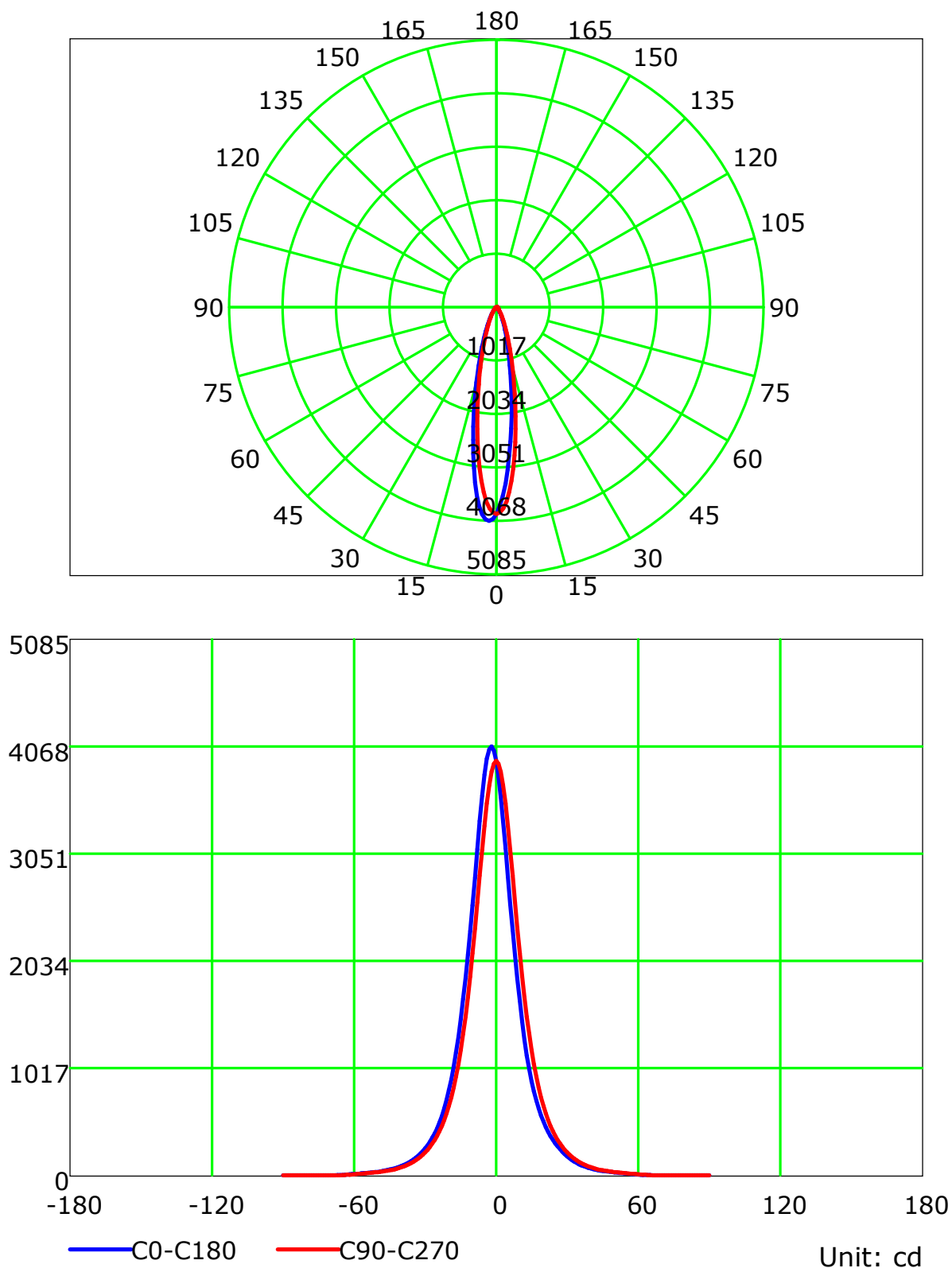
Test Device: CHL-6E

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

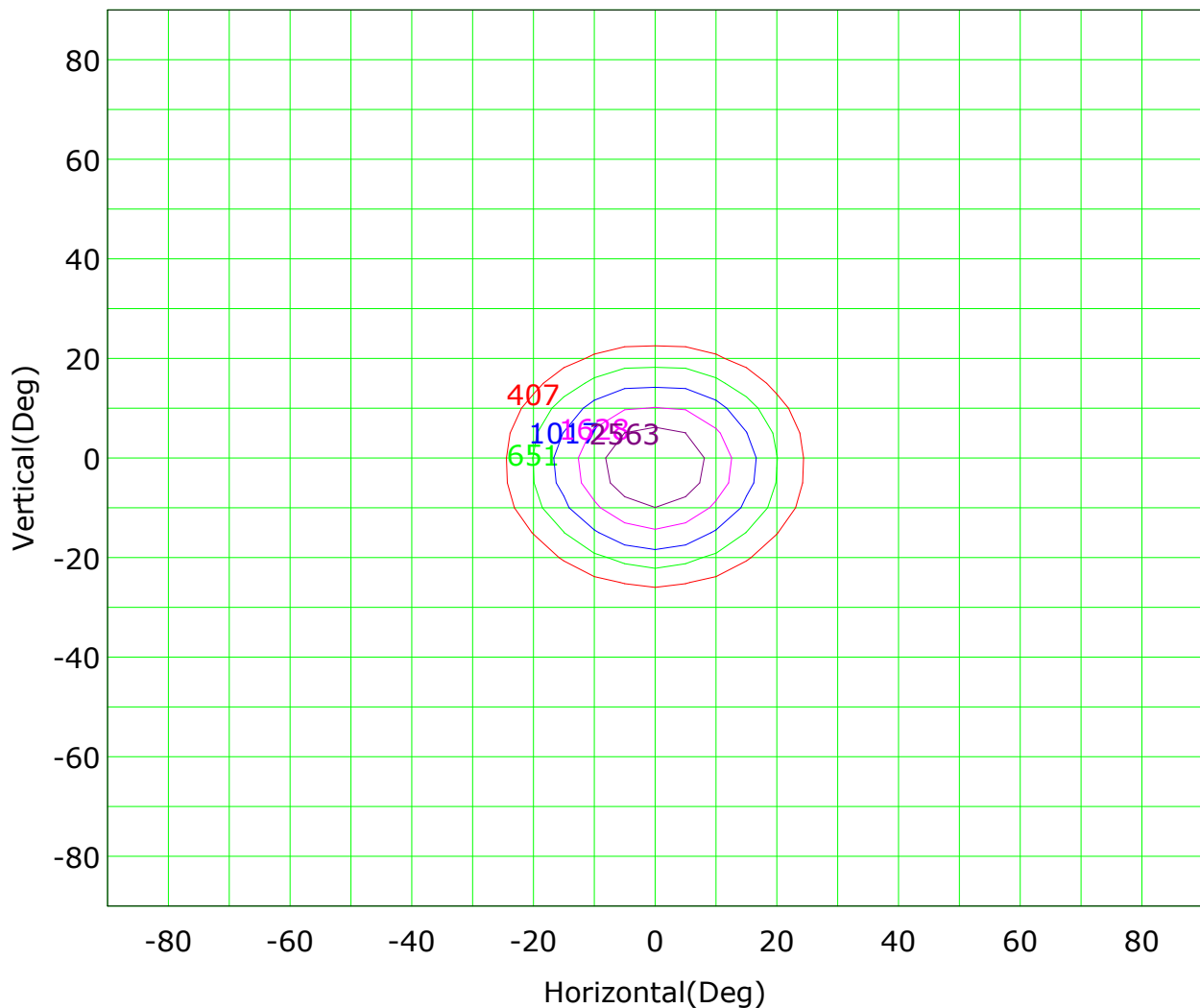
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 4069 cd

(10%): 407 cd	(16%): 651 cd
(25%): 1017 cd	(40%): 1628 cd
(63%): 2563 cd	(100%): 4069 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

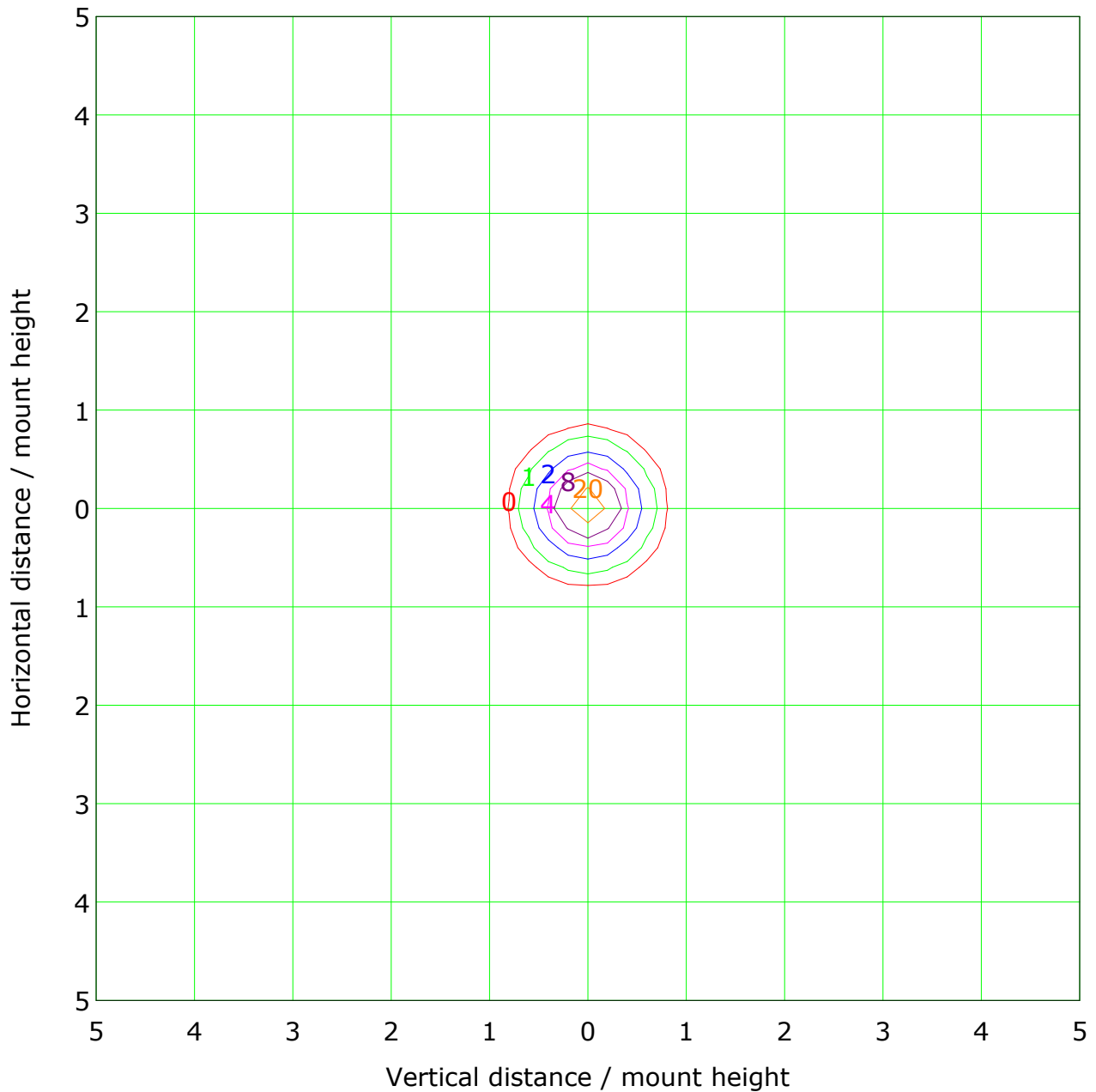
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 41 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	8 lx	(50%):	20 lx
(100%):	41 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

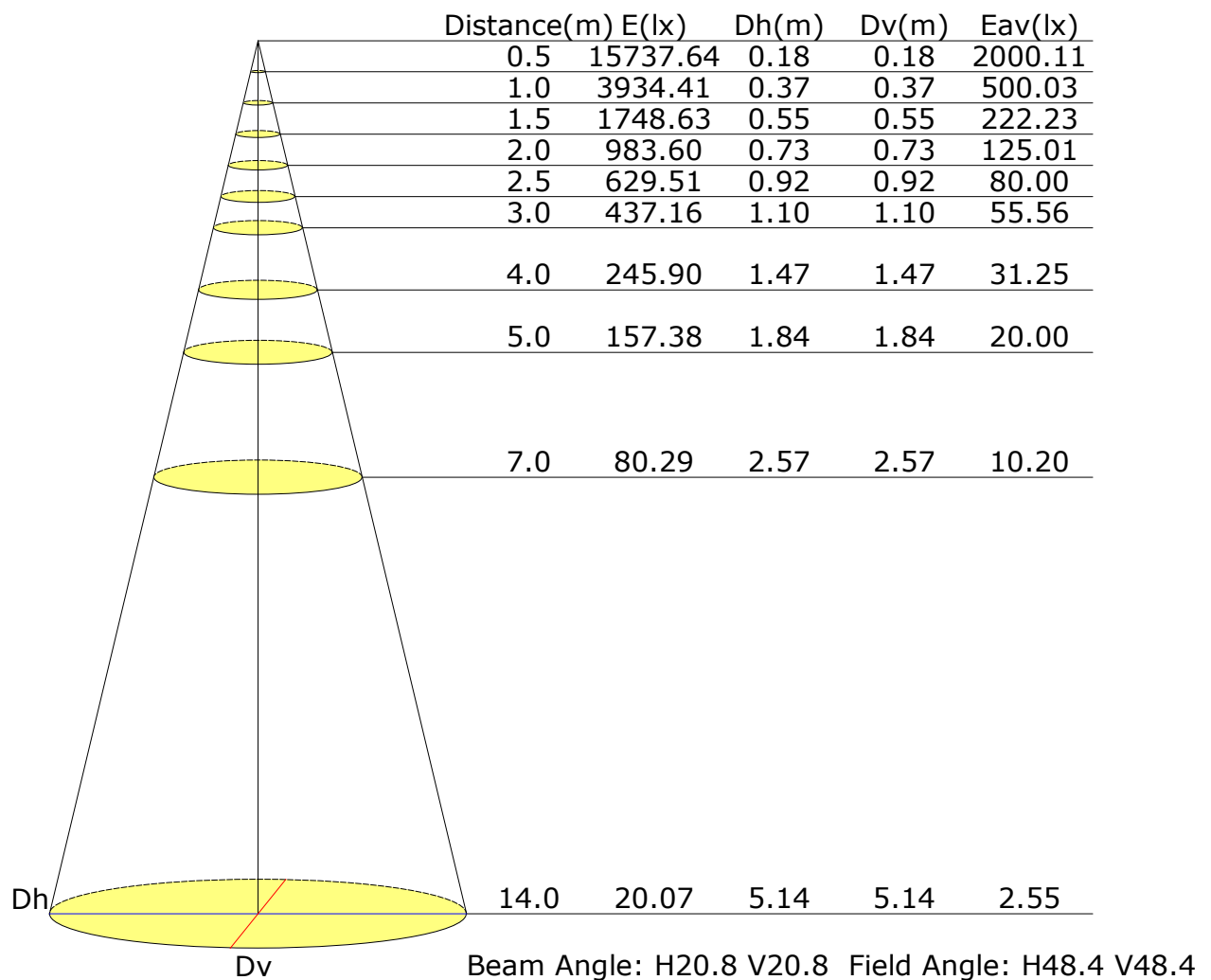
Test Device: CHL-6E

Distance: 3.328 m

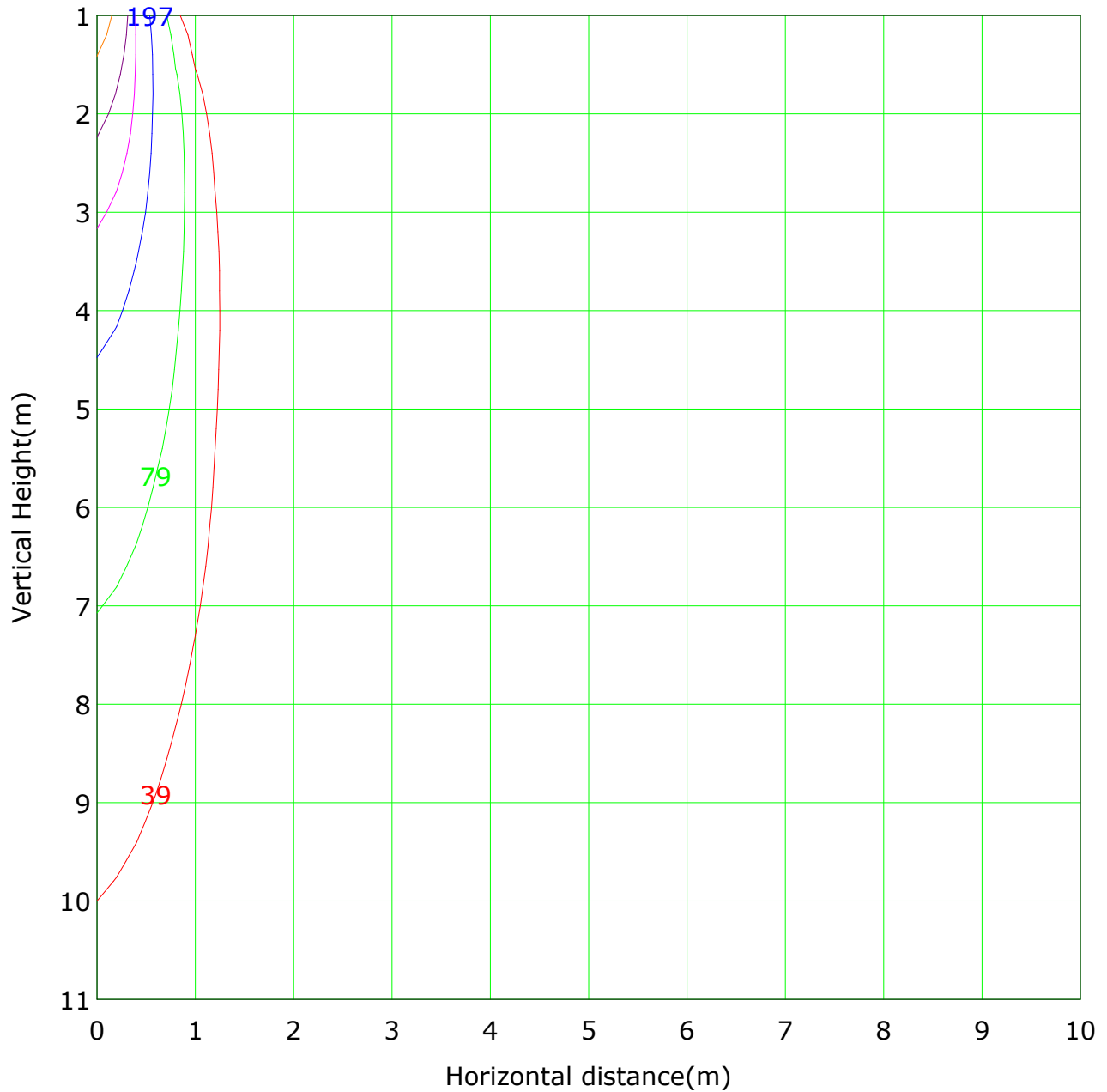
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

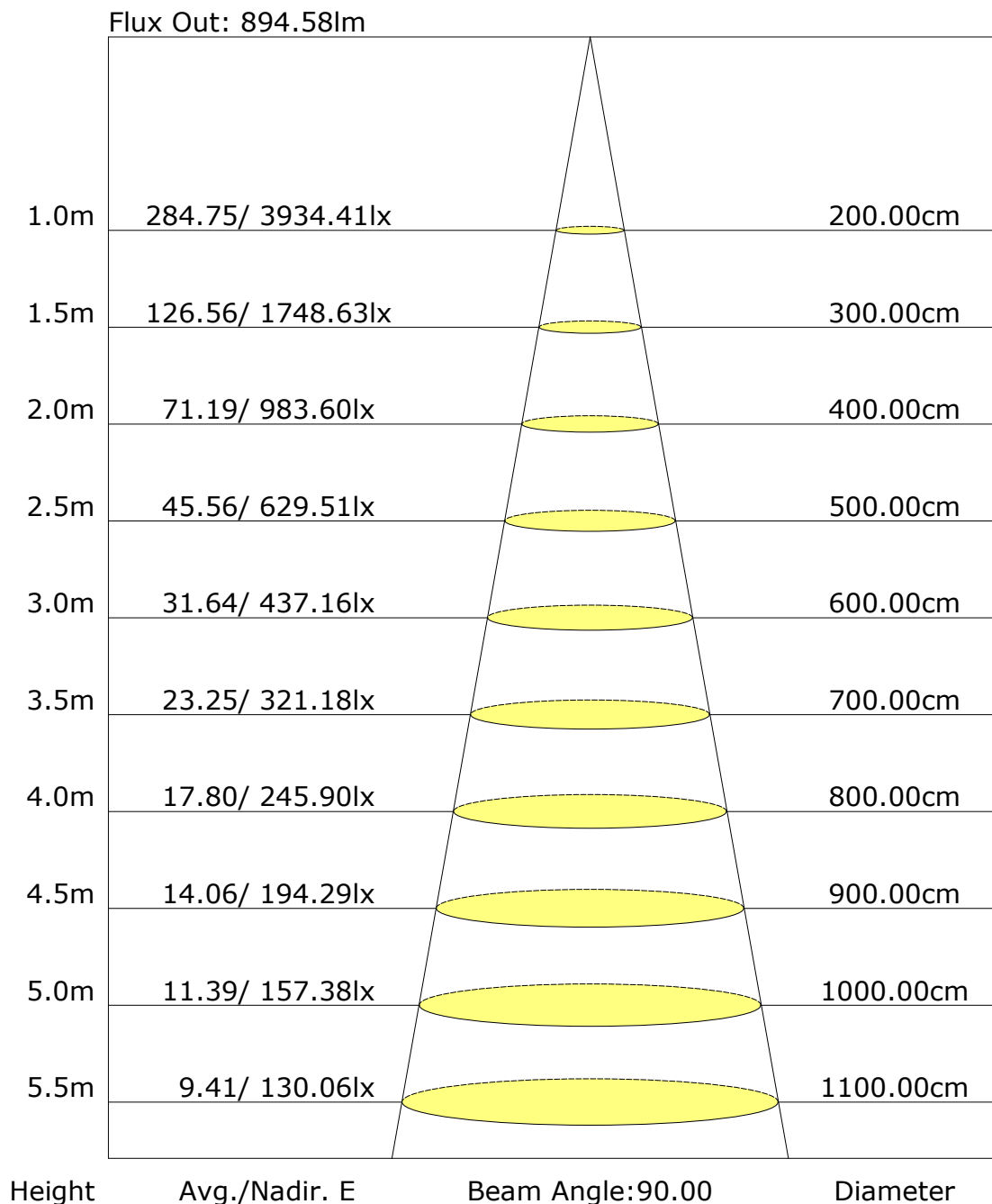


Lowest(m): 1m Highest(m): 11 Max Lux: 3934	
(1%): 39 lx	(2%): 79 lx
(5%): 197 lx	(10%): 393 lx
(20%): 787 lx	(50%): 1967 lx
(100%): 3934 lx	

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	3920.7	3.8	3.8	0.40	0.40
1.0-2.0	3868.6	11.1	14.9	1.19	1.59
2.0-3.0	3766.1	18.0	32.9	1.93	3.52
3.0-4.0	3615.0	24.2	57.1	2.59	6.11
4.0-5.0	3422.7	29.4	86.5	3.15	9.27
5.0-6.0	3202.9	33.7	120.2	3.61	12.87
6.0-7.0	2966.4	36.8	157.0	3.94	16.82
7.0-8.0	2718.3	38.9	195.9	4.17	20.98
8.0-9.0	2469.0	40.0	235.9	4.29	25.27
9.0-10.0	2227.4	40.3	276.3	4.32	29.59
10.0-11.0	1999.0	39.9	316.2	4.28	33.87
11.0-12.0	1789.9	39.1	355.3	4.19	38.06
12.0-13.0	1598.8	37.9	393.3	4.06	42.12
13.0-14.0	1424.0	36.5	429.7	3.90	46.03
14.0-15.0	1265.7	34.8	464.5	3.72	49.75
15.0-16.0	1123.5	32.9	497.4	3.53	53.28
16.0-17.0	997.3	31.1	528.5	3.33	56.60
17.0-18.0	885.4	29.2	557.7	3.13	59.73
18.0-19.0	787.3	27.4	585.1	2.93	62.66
19.0-20.0	700.3	25.6	610.7	2.75	65.41
20.0-21.0	623.3	23.9	634.6	2.56	67.97
21.0-22.0	556.3	22.4	657.0	2.39	70.37
22.0-23.0	497.4	20.9	677.9	2.24	72.60
23.0-24.0	444.4	19.4	697.3	2.08	74.69
24.0-25.0	397.4	18.1	715.4	1.94	76.62
25.0-26.0	356.2	16.8	732.2	1.80	78.42
26.0-27.0	320.4	15.7	747.9	1.68	80.10
27.0-28.0	287.7	14.6	762.4	1.56	81.66
28.0-29.0	257.7	13.5	775.9	1.44	83.11
29.0-30.0	231.3	12.5	788.4	1.34	84.44
30.0-31.0	208.2	11.6	800.0	1.24	85.69
31.0-32.0	187.6	10.8	810.7	1.15	86.84
32.0-33.0	168.9	10.0	820.7	1.07	87.90
33.0-34.0	151.5	9.2	829.9	0.98	88.88
34.0-35.0	135.6	8.4	838.3	0.90	89.79
35.0-36.0	122.5	7.8	846.1	0.84	90.62

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	110.6	7.2	853.3	0.77	91.40
37.0-38.0	99.7	6.7	860.0	0.71	92.11
38.0-39.0	90.1	6.1	866.1	0.66	92.77
39.0-40.0	81.7	5.7	871.8	0.61	93.38
40.0-41.0	74.2	5.3	877.1	0.57	93.94
41.0-42.0	67.0	4.9	882.0	0.52	94.46
42.0-43.0	60.8	4.5	886.5	0.48	94.95
43.0-44.0	55.5	4.2	890.6	0.45	95.40
44.0-45.0	51.1	3.9	894.6	0.42	95.82
45.0-46.0	47.4	3.7	898.3	0.40	96.21
46.0-47.0	43.9	3.5	901.8	0.37	96.59
47.0-48.0	40.5	3.3	905.1	0.35	96.94
48.0-49.0	37.1	3.0	908.1	0.33	97.26
49.0-50.0	33.3	2.8	910.9	0.30	97.56
50.0-51.0	30.9	2.6	913.5	0.28	97.84
51.0-52.0	28.7	2.5	916.0	0.26	98.11
52.0-53.0	26.2	2.3	918.2	0.24	98.35
53.0-54.0	24.3	2.1	920.4	0.23	98.58
54.0-55.0	22.1	2.0	922.3	0.21	98.79
55.0-56.0	20.3	1.8	924.2	0.20	98.99
56.0-57.0	18.1	1.7	925.8	0.18	99.16
57.0-58.0	15.9	1.5	927.3	0.16	99.32
58.0-59.0	14.0	1.3	928.6	0.14	99.46
59.0-60.0	12.2	1.1	929.8	0.12	99.58
60.0-61.0	10.3	1.0	930.7	0.11	99.69
61.0-62.0	8.1	0.8	931.5	0.08	99.77
62.0-63.0	7.2	0.7	932.2	0.07	99.85
63.0-64.0	5.9	0.6	932.8	0.06	99.91
64.0-65.0	3.7	0.4	933.2	0.04	99.95
65.0-66.0	2.5	0.2	933.4	0.03	99.98
66.0-67.0	1.6	0.2	933.6	0.02	99.99
67.0-68.0	0.6	0.1	933.6	0.01	100.00
68.0-69.0	0.0	0.0	933.6	0.00	100.00
69.0-70.0	0.0	0.0	933.6	0.00	100.00
70.0-71.0	0.0	0.0	933.6	0.00	100.00
71.0-72.0	0.0	0.0	933.6	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	3934.4	3934.4								
G1.0	3782.3	4031.6								
G2.0	3591.6	4069.0								
G3.0	3360.9	4042.9								
G4.0	3102.9	3953.1								
G5.0	2833.6	3801.0								
G6.0	2574.3	3602.8								
G7.0	2326.2	3362.2								
G8.0	2089.4	3095.4								
G9.0	1865.0	2826.1								
G10.0	1655.5	2563.1								
G11.0	1459.8	2317.5								
G12.0	1287.8	2094.4								
G13.0	1136.9	1876.2								
G14.0	1007.3	1675.5								
G15.0	893.8	1486.0								
G16.0	797.8	1316.5								
G17.0	708.1	1166.9								
G18.0	635.8	1031.0								
G19.0	569.7	912.5								
G20.0	511.1	807.8								
G21.0	458.8	715.6								
G22.0	415.1	635.8								
G23.0	374.0	564.7								
G24.0	337.8	501.1								
G25.0	304.2	446.3								
G26.0	275.5	398.9								
G27.0	249.3	357.8								
G28.0	224.4	319.1								
G29.0	202.0	285.5								
G30.0	180.8	256.8								
G31.0	163.3	231.9								
G32.0	147.1	208.2								
G33.0	132.1	188.2								
G34.0	118.4	167.1								
G35.0	106.0	150.8								
G36.0	96.0	137.1								

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	87.3	122.2								
G38.0	79.8	109.7								
G39.0	71.1	99.7								
G40.0	66.1	89.8								
G41.0	59.8	81.0								
G42.0	53.6	73.6								
G43.0	49.9	66.1								
G44.0	44.9	61.1								
G45.0	42.4	56.1								
G46.0	39.9	51.1								
G47.0	37.4	47.4								
G48.0	34.9	42.4								
G49.0	32.4	38.7								
G50.0	28.7	33.7								
G51.0	28.7	32.4								
G52.0	23.7	29.9								
G53.0	22.4	28.7								
G54.0	20.0	26.2								
G55.0	18.7	23.7								
G56.0	16.2	22.4								
G57.0	13.7	20.0								
G58.0	13.7	16.2								
G59.0	10.0	16.2								
G60.0	8.7	13.7								
G61.0	6.2	12.5								
G62.0	3.7	10.0								
G63.0	6.2	8.7								
G64.0	2.5	6.2								
G65.0	2.5	3.7								
G66.0	0.0	3.7								
G67.0	0.0	2.5								
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:

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: