

Report No.:91.10511 Tla Surface Mounted Test Time: 2024-10-07 19:06

Light

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.061 A

Power Factor: 0.946

Voltage: 233.1 V

Power: 13.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1484.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H57.8

Vertical Diffuse Angle(50%): V57.8

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 1570.21 cd

Total Rated Lamp Lumens: 1484.7 lm

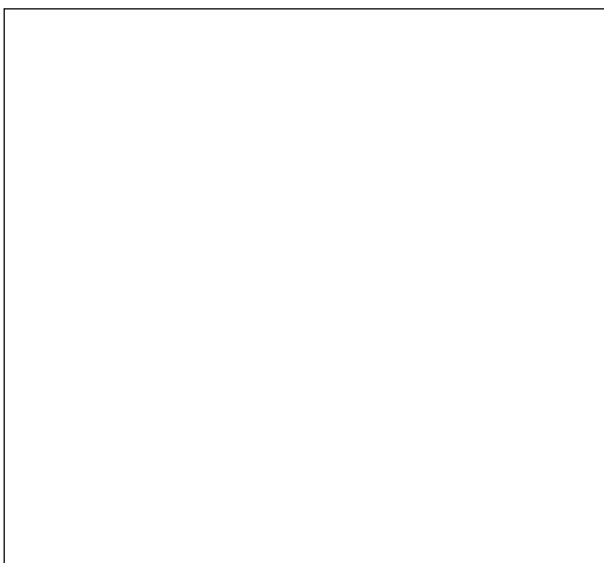
Efficiency: 100%

Upward Ratio: 0%

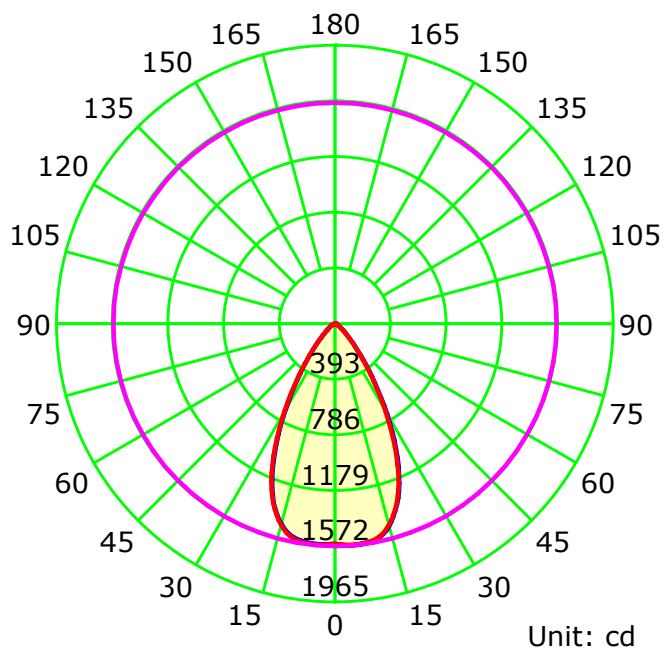
Central Intensity: 1555.69 cd

Pos of Max. Intensity: H0 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

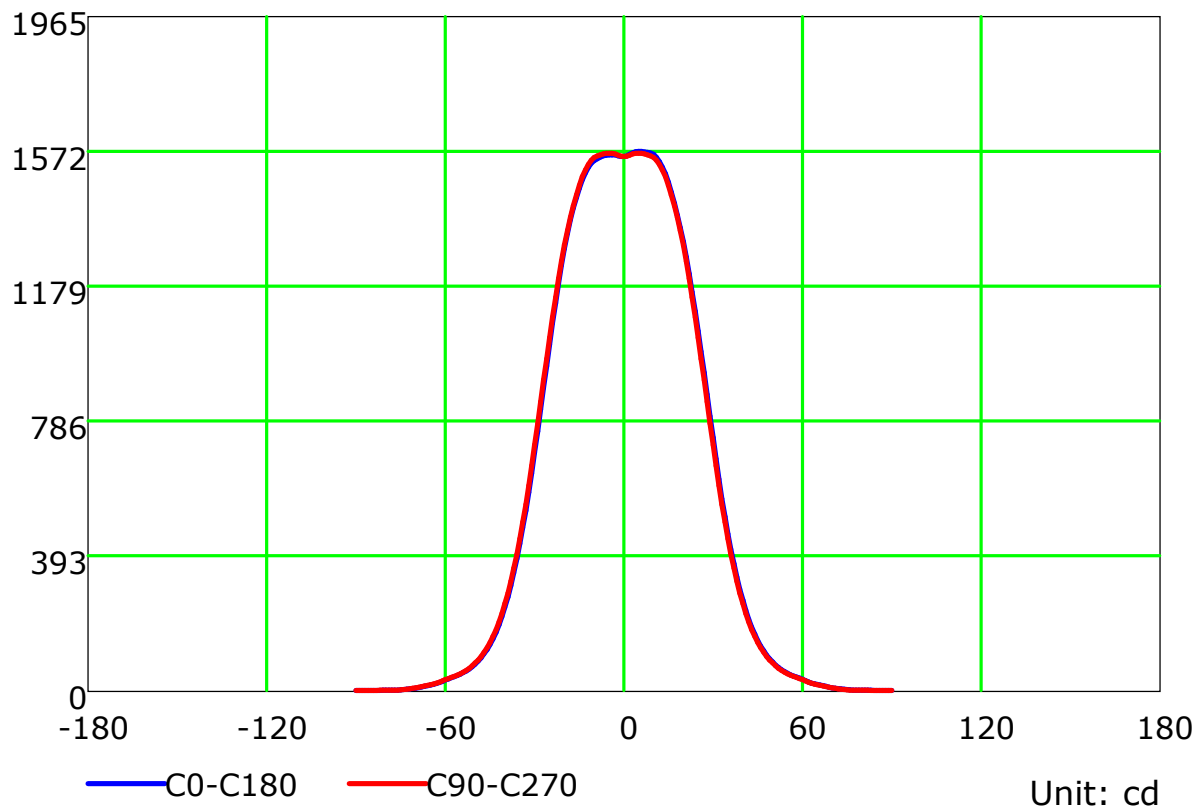
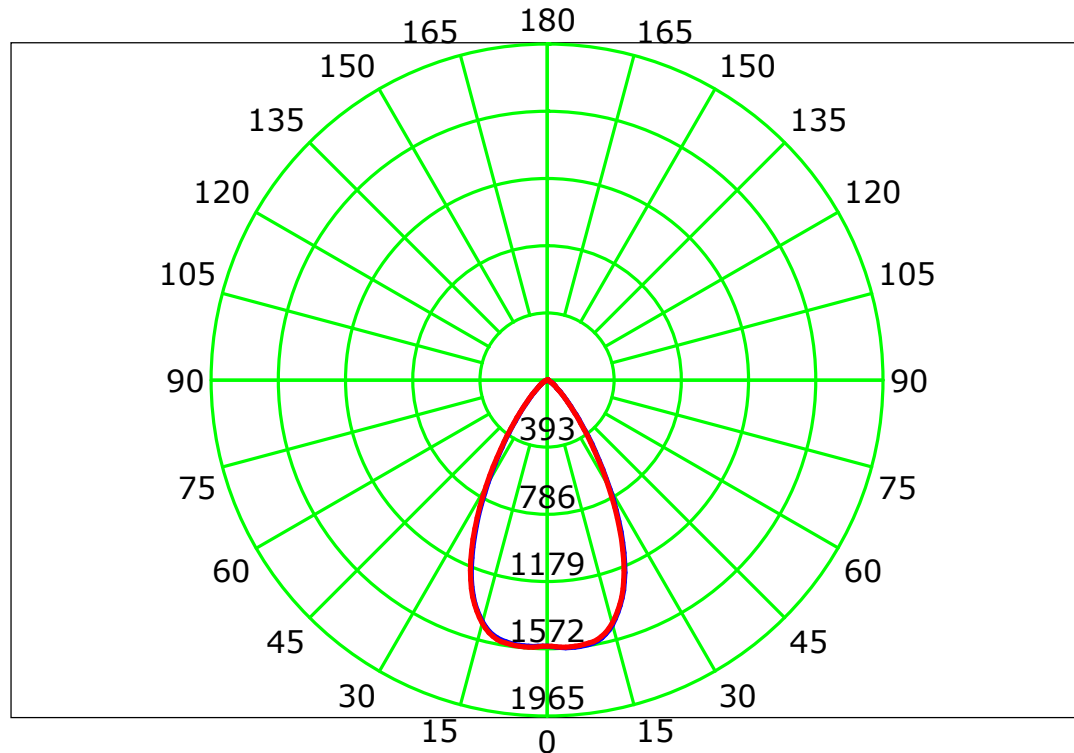
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

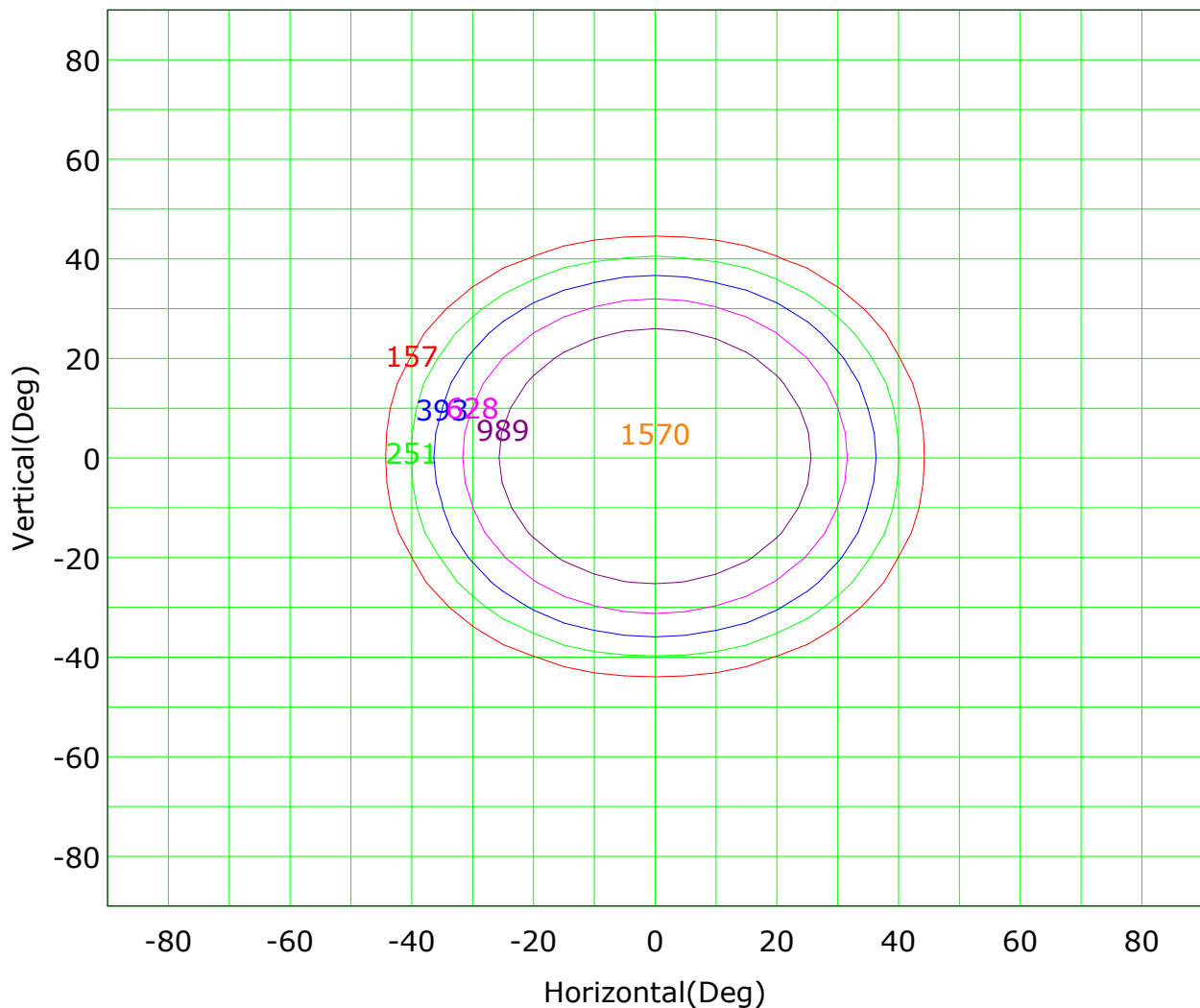
Luminous Intensity Distribution Curve



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)



I_{max} (100%): 1570 cd

(10%):	157 cd	(16%):	251 cd
(25%):	393 cd	(40%):	628 cd
(63%):	989 cd	(100%):	1570 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

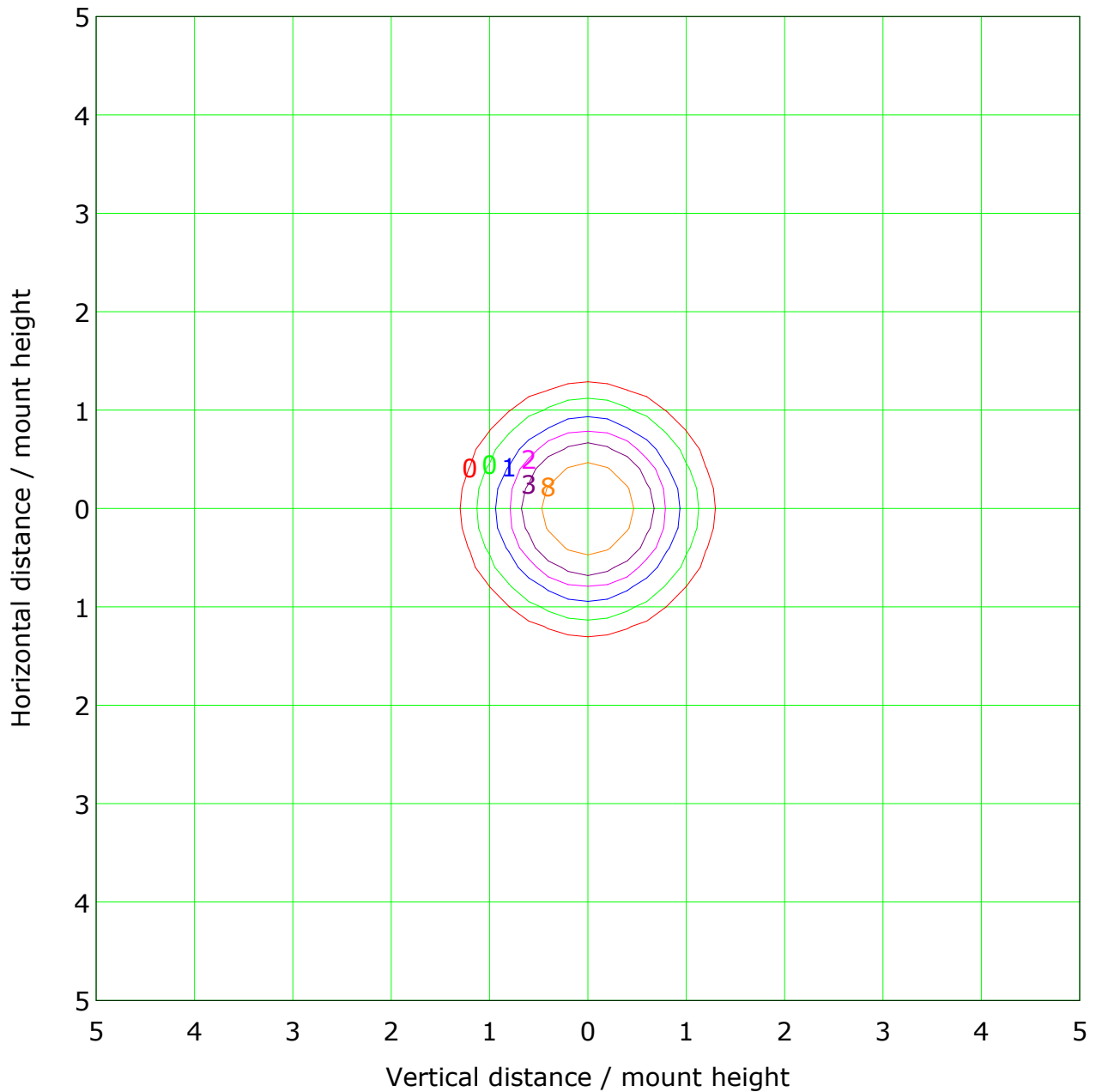
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

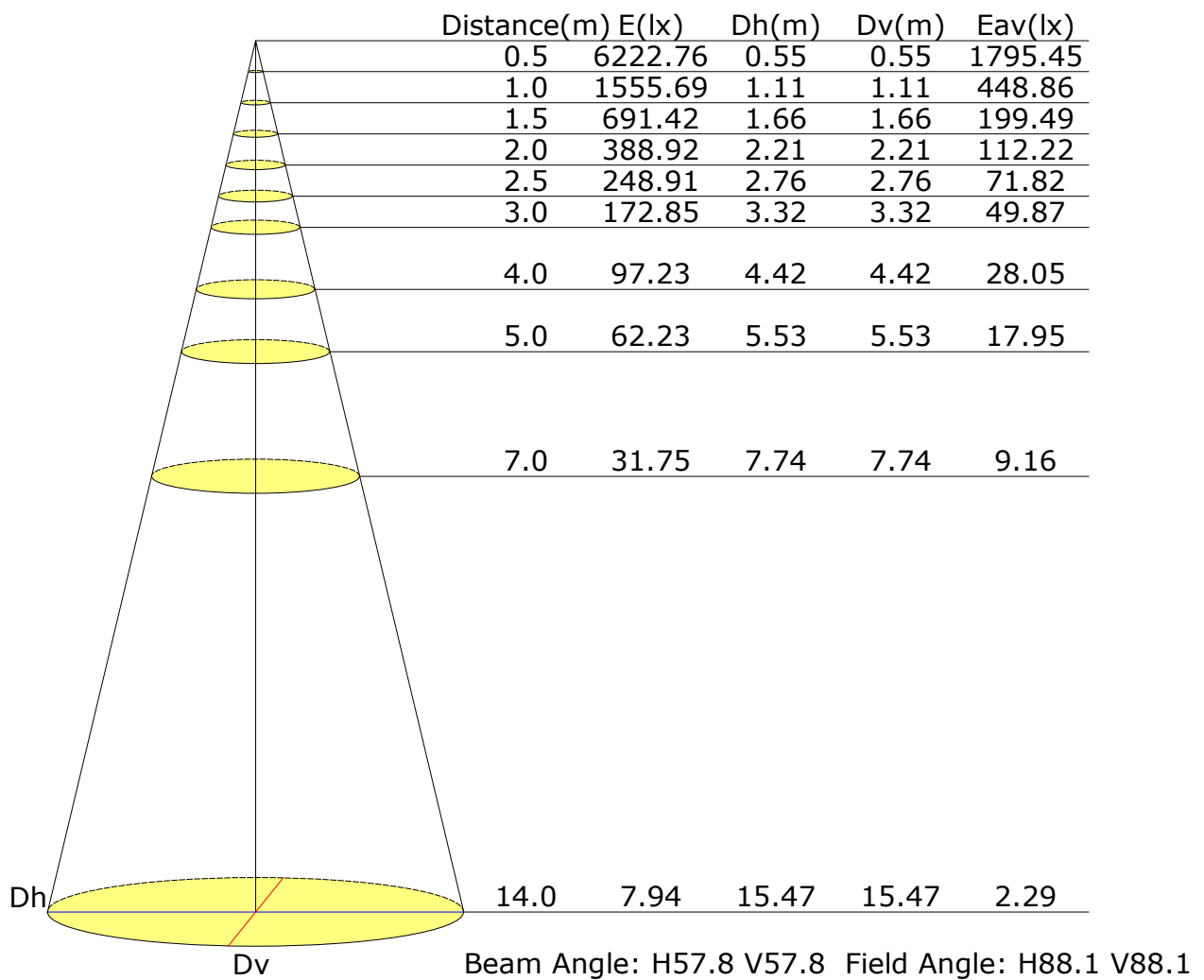
IsoLux Plot



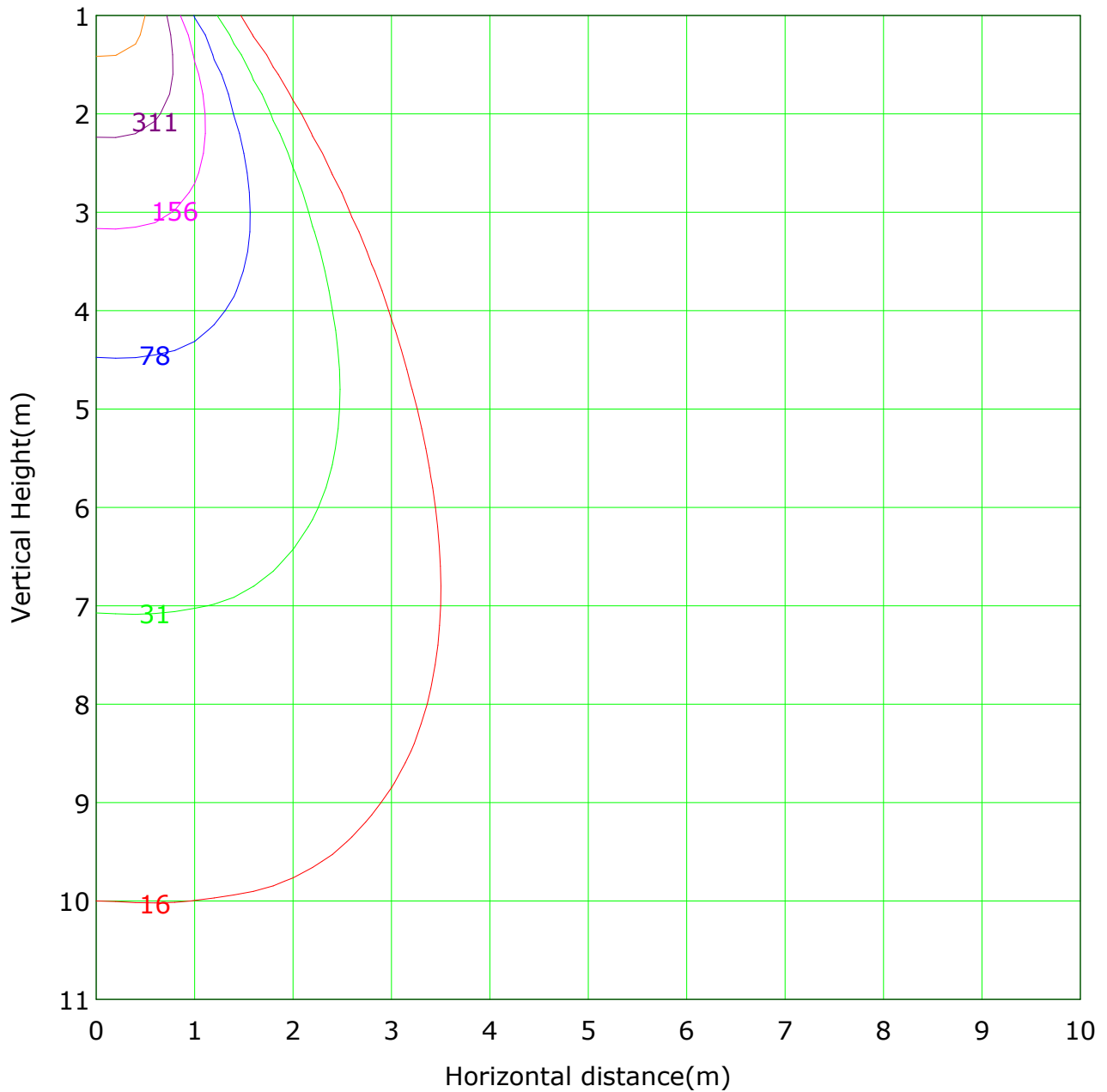
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

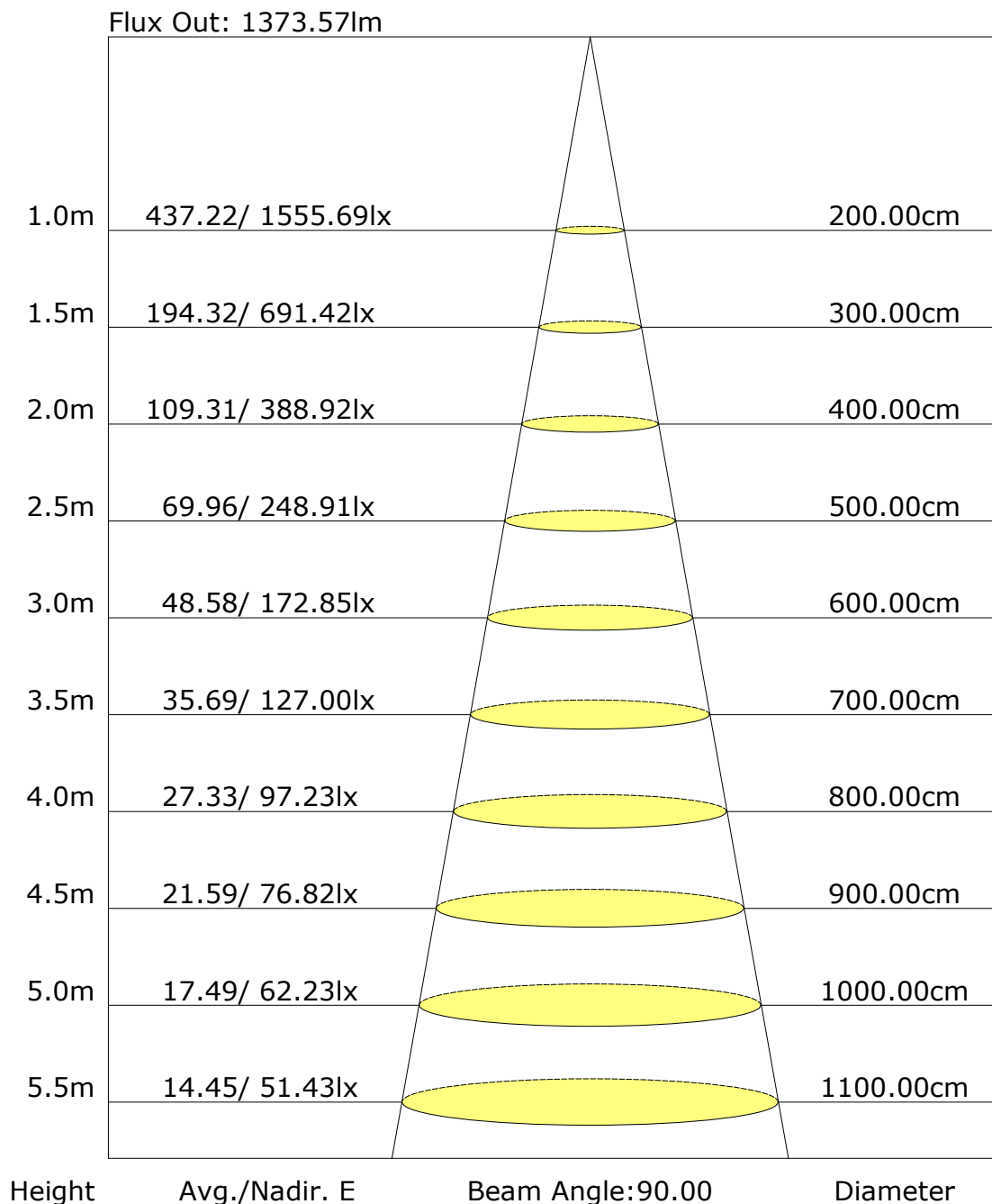


Lowest(m): 1m Highest(m): 11 Max Lux: 1556	
(1%): 16 lx	(2%): 31 lx
(5%): 78 lx	(10%): 156 lx
(20%): 311 lx	(50%): 778 lx
(100%): 1556 lx	

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	1556.3	1.5	1.5	0.10	0.10
1.0-2.0	1558.4	4.5	6.0	0.30	0.40
2.0-3.0	1561.5	7.5	13.4	0.50	0.90
3.0-4.0	1564.1	10.5	23.9	0.71	1.61
4.0-5.0	1565.2	13.5	37.4	0.91	2.52
5.0-6.0	1565.0	16.4	53.8	1.11	3.62
6.0-7.0	1564.1	19.4	73.2	1.31	4.93
7.0-8.0	1561.9	22.4	95.6	1.51	6.44
8.0-9.0	1558.9	25.3	120.9	1.70	8.14
9.0-10.0	1555.1	28.1	149.0	1.90	10.04
10.0-11.0	1548.6	30.9	180.0	2.08	12.12
11.0-12.0	1538.4	33.6	213.6	2.27	14.39
12.0-13.0	1524.3	36.2	249.8	2.44	16.82
13.0-14.0	1506.4	38.6	288.3	2.60	19.42
14.0-15.0	1484.4	40.8	329.1	2.75	22.17
15.0-16.0	1458.2	42.7	371.8	2.88	25.04
16.0-17.0	1428.4	44.5	416.3	3.00	28.04
17.0-18.0	1395.8	46.0	462.3	3.10	31.14
18.0-19.0	1359.7	47.3	509.6	3.19	34.33
19.0-20.0	1319.2	48.3	557.9	3.25	37.58
20.0-21.0	1274.5	48.9	606.9	3.30	40.88
21.0-22.0	1225.8	49.3	656.2	3.32	44.19
22.0-23.0	1173.0	49.2	705.4	3.32	47.51
23.0-24.0	1116.8	48.8	754.2	3.29	50.80
24.0-25.0	1058.1	48.1	802.3	3.24	54.04
25.0-26.0	997.5	47.1	849.4	3.17	57.21
26.0-27.0	935.6	45.8	895.2	3.08	60.30
27.0-28.0	873.0	44.2	939.4	2.98	63.27
28.0-29.0	809.7	42.4	981.8	2.85	66.13
29.0-30.0	746.7	40.3	1022.1	2.72	68.84
30.0-31.0	685.1	38.1	1060.2	2.57	71.41
31.0-32.0	625.8	35.9	1096.1	2.41	73.83
32.0-33.0	569.4	33.5	1129.6	2.26	76.08
33.0-34.0	516.4	31.3	1160.9	2.11	78.19
34.0-35.0	466.8	29.0	1189.9	1.95	80.14
35.0-36.0	420.4	26.8	1216.6	1.80	81.95

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	377.4	24.6	1241.3	1.66	83.60
37.0-38.0	337.7	22.5	1263.8	1.52	85.12
38.0-39.0	301.3	20.6	1284.4	1.39	86.51
39.0-40.0	268.3	18.7	1303.1	1.26	87.77
40.0-41.0	238.7	17.0	1320.1	1.15	88.91
41.0-42.0	212.1	15.4	1335.5	1.04	89.95
42.0-43.0	188.5	14.0	1349.5	0.94	90.89
43.0-44.0	167.5	12.6	1362.1	0.85	91.74
44.0-45.0	149.0	11.5	1373.6	0.77	92.52
45.0-46.0	132.7	10.4	1384.0	0.70	93.21
46.0-47.0	118.3	9.4	1393.4	0.63	93.85
47.0-48.0	105.6	8.5	1401.9	0.58	94.42
48.0-49.0	94.5	7.8	1409.7	0.52	94.95
49.0-50.0	84.7	7.1	1416.7	0.48	95.42
50.0-51.0	76.1	6.4	1423.2	0.43	95.86
51.0-52.0	68.7	5.9	1429.1	0.40	96.25
52.0-53.0	62.1	5.4	1434.5	0.36	96.62
53.0-54.0	56.5	5.0	1439.4	0.34	96.95
54.0-55.0	51.6	4.6	1444.1	0.31	97.26
55.0-56.0	47.4	4.3	1448.3	0.29	97.55
56.0-57.0	43.5	4.0	1452.3	0.27	97.82
57.0-58.0	40.1	3.7	1456.0	0.25	98.07
58.0-59.0	37.0	3.5	1459.5	0.23	98.30
59.0-60.0	33.9	3.2	1462.7	0.22	98.52
60.0-61.0	30.3	2.9	1465.6	0.19	98.71
61.0-62.0	26.4	2.5	1468.1	0.17	98.88
62.0-63.0	23.1	2.2	1470.4	0.15	99.03
63.0-64.0	20.4	2.0	1472.4	0.13	99.17
64.0-65.0	18.2	1.8	1474.2	0.12	99.29
65.0-66.0	16.3	1.6	1475.8	0.11	99.40
66.0-67.0	14.5	1.5	1477.2	0.10	99.50
67.0-68.0	12.8	1.3	1478.5	0.09	99.59
68.0-69.0	10.6	1.1	1479.6	0.07	99.66
69.0-70.0	8.6	0.9	1480.5	0.06	99.72
70.0-71.0	7.1	0.7	1481.2	0.05	99.77
71.0-72.0	6.0	0.6	1481.9	0.04	99.81

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Test Lab:
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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	1555.7	1555.7								
G1.0	1558.1	1555.7								
G2.0	1562.6	1557.2								
G3.0	1566.1	1560.0								
G4.0	1569.6	1560.8								
G5.0	1570.2	1560.0								
G6.0	1570.2	1559.7								
G7.0	1569.0	1557.6								
G8.0	1567.5	1553.4								
G9.0	1566.0	1548.9								
G10.0	1561.9	1543.5								
G11.0	1553.0	1535.9								
G12.0	1540.4	1524.4								
G13.0	1524.5	1507.9								
G14.0	1505.3	1487.9								
G15.0	1480.8	1463.6								
G16.0	1452.0	1436.5								
G17.0	1419.6	1405.6								
G18.0	1385.4	1372.4								
G19.0	1348.6	1332.5								
G20.0	1308.0	1287.7								
G21.0	1263.1	1239.4								
G22.0	1214.3	1186.6								
G23.0	1161.2	1130.0								
G24.0	1105.5	1070.5								
G25.0	1047.8	1008.6								
G26.0	988.0	945.5								
G27.0	926.5	882.6								
G28.0	863.3	819.6								
G29.0	799.6	756.1								
G30.0	736.8	694.2								
G31.0	675.4	634.0								
G32.0	615.8	577.9								
G33.0	559.0	524.8								
G34.0	506.8	475.1								
G35.0	456.9	428.3								
G36.0	411.4	384.9								

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	369.7	343.8								
G38.0	330.9	306.6								
G39.0	295.0	272.8								
G40.0	263.1	242.6								
G41.0	233.8	215.4								
G42.0	207.8	191.4								
G43.0	184.7	169.8								
G44.0	164.5	151.0								
G45.0	146.3	134.4								
G46.0	130.1	120.1								
G47.0	115.9	107.3								
G48.0	103.4	96.0								
G49.0	92.5	86.0								
G50.0	83.1	77.3								
G51.0	74.5	69.7								
G52.0	67.4	63.1								
G53.0	61.0	57.1								
G54.0	55.5	52.3								
G55.0	50.7	48.0								
G56.0	46.6	44.2								
G57.0	42.7	40.7								
G58.0	39.5	37.6								
G59.0	36.5	34.3								
G60.0	33.4	31.3								
G61.0	29.5	26.9								
G62.0	25.5	23.6								
G63.0	22.4	20.9								
G64.0	19.9	18.5								
G65.0	17.9	16.5								
G66.0	16.0	14.6								
G67.0	14.4	13.0								
G68.0	12.7	10.9								
G69.0	10.2	8.7								
G70.0	8.3	7.1								
G71.0	7.1	6.1								
G72.0	6.0	5.0								
G73.0	5.0	4.0								

C Plane (°):0.0-180.0: 180.0
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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: