

Report No.:91.10012 Cla Surface Mounted
Light

Test Time: 2024-10-07 21:14

Luminaire Property

Luminaire Category:

Voltage: 235.7 V

Power: 12.80 W

Current: 0.100 A

Power Factor: 0.540

Photometric Results

CIE Class: Direct

Measurement Flux: 1396.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H36.7

Vertical Diffuse Angle(50%): V36.7

Luminaire Efficacy Rating (LER): 109

Max. Intensity: 3188.85 cd

Total Rated Lamp Lumens: 1396.1 lm

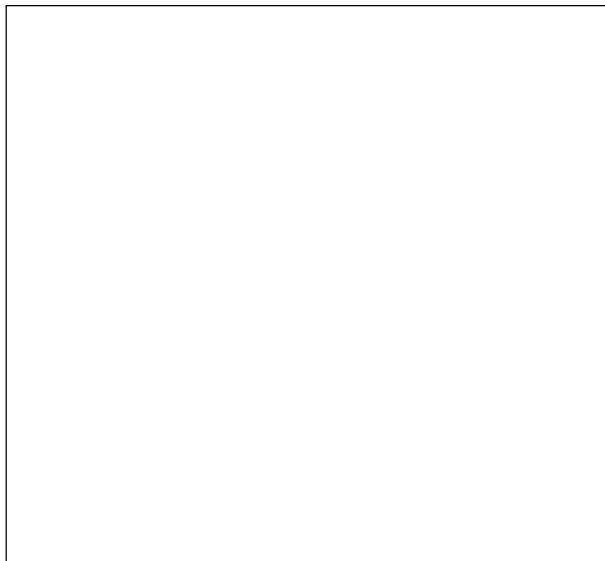
Efficiency: 100%

Upward Ratio: 0%

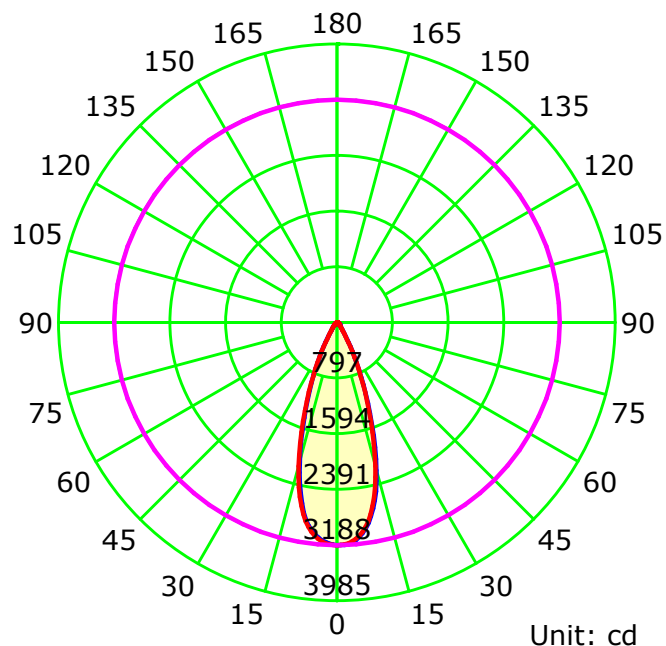
Central Intensity: 3188.84 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

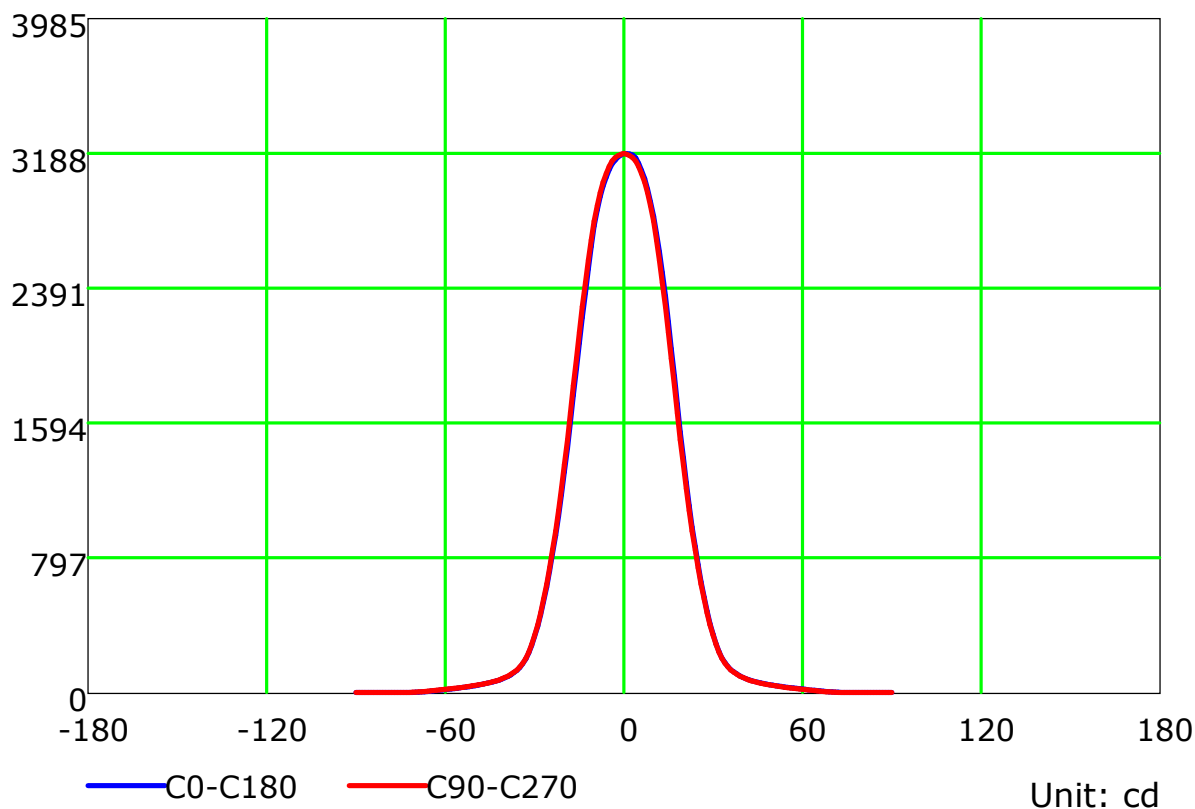
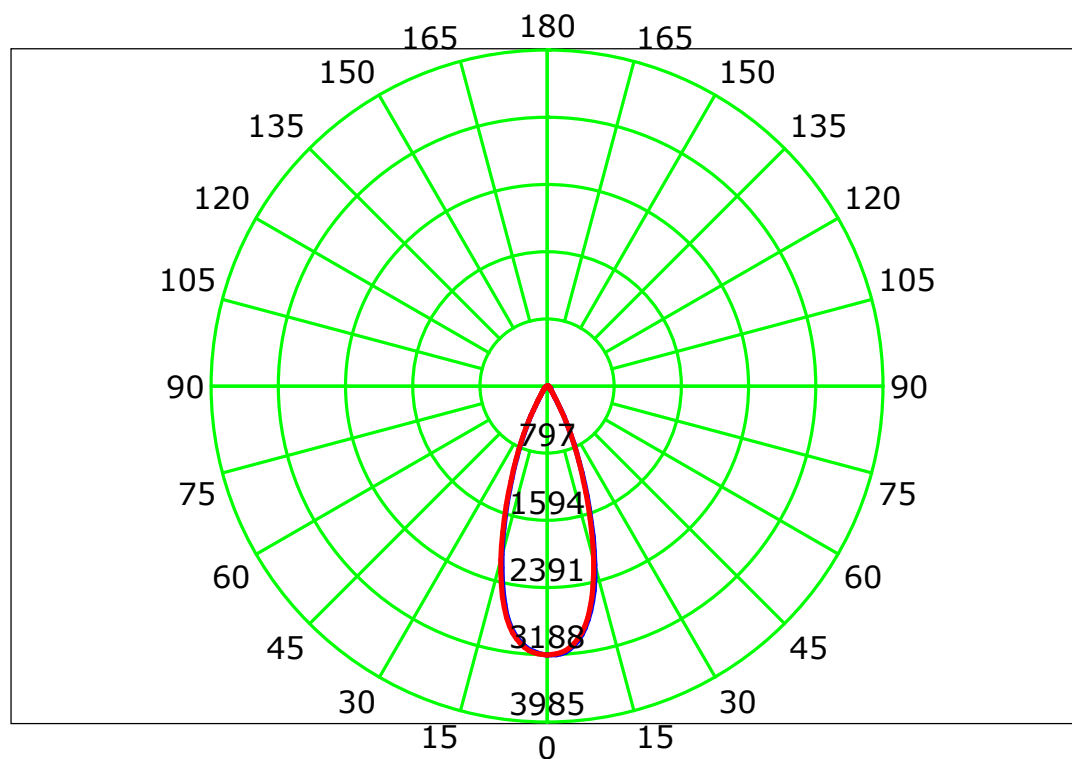
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

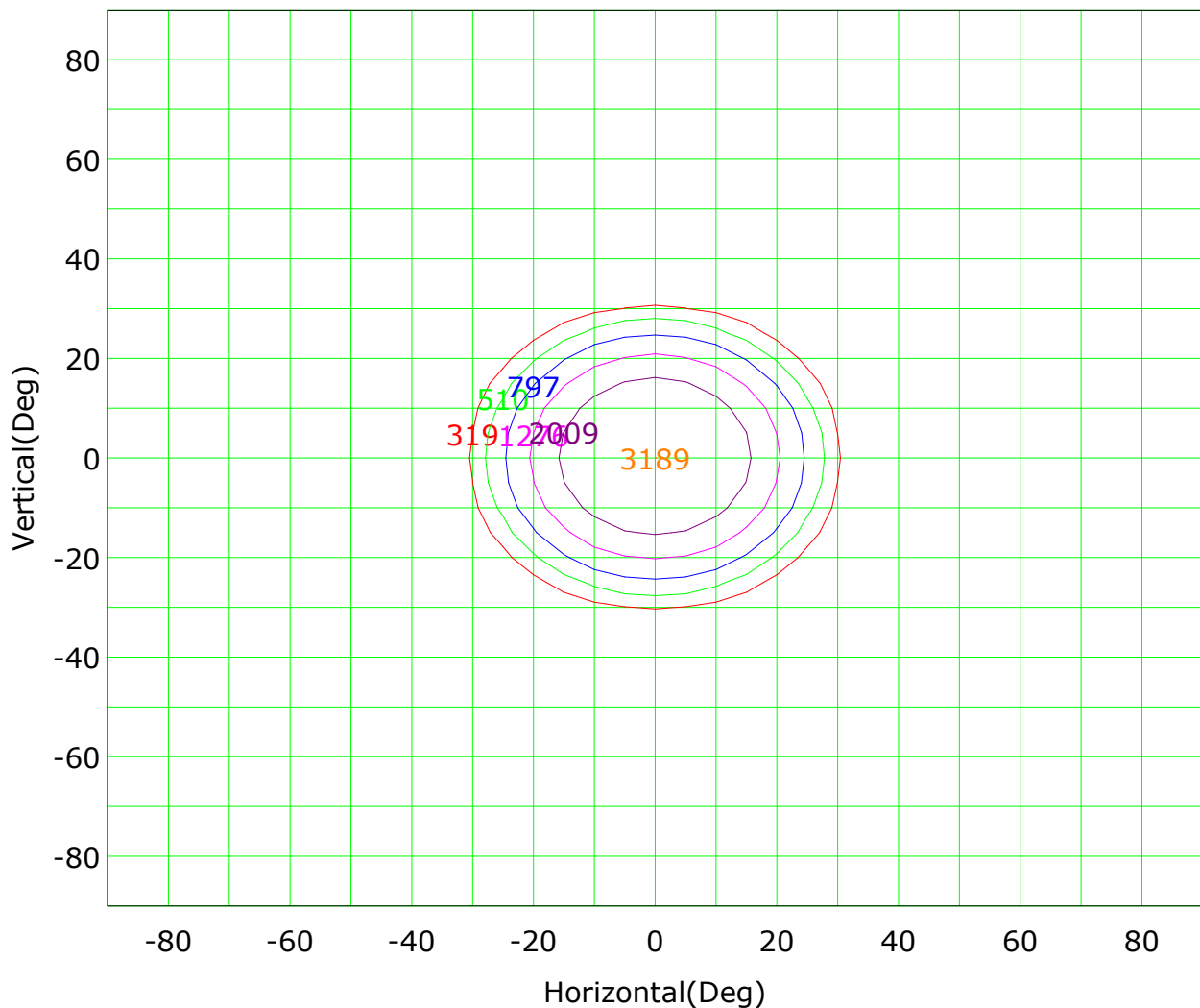
Luminous Intensity Distribution Curve



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%): 3189 cd

(10%): 319 cd	(16%): 510 cd
(25%): 797 cd	(40%): 1276 cd
(63%): 2009 cd	(100%): 3189 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

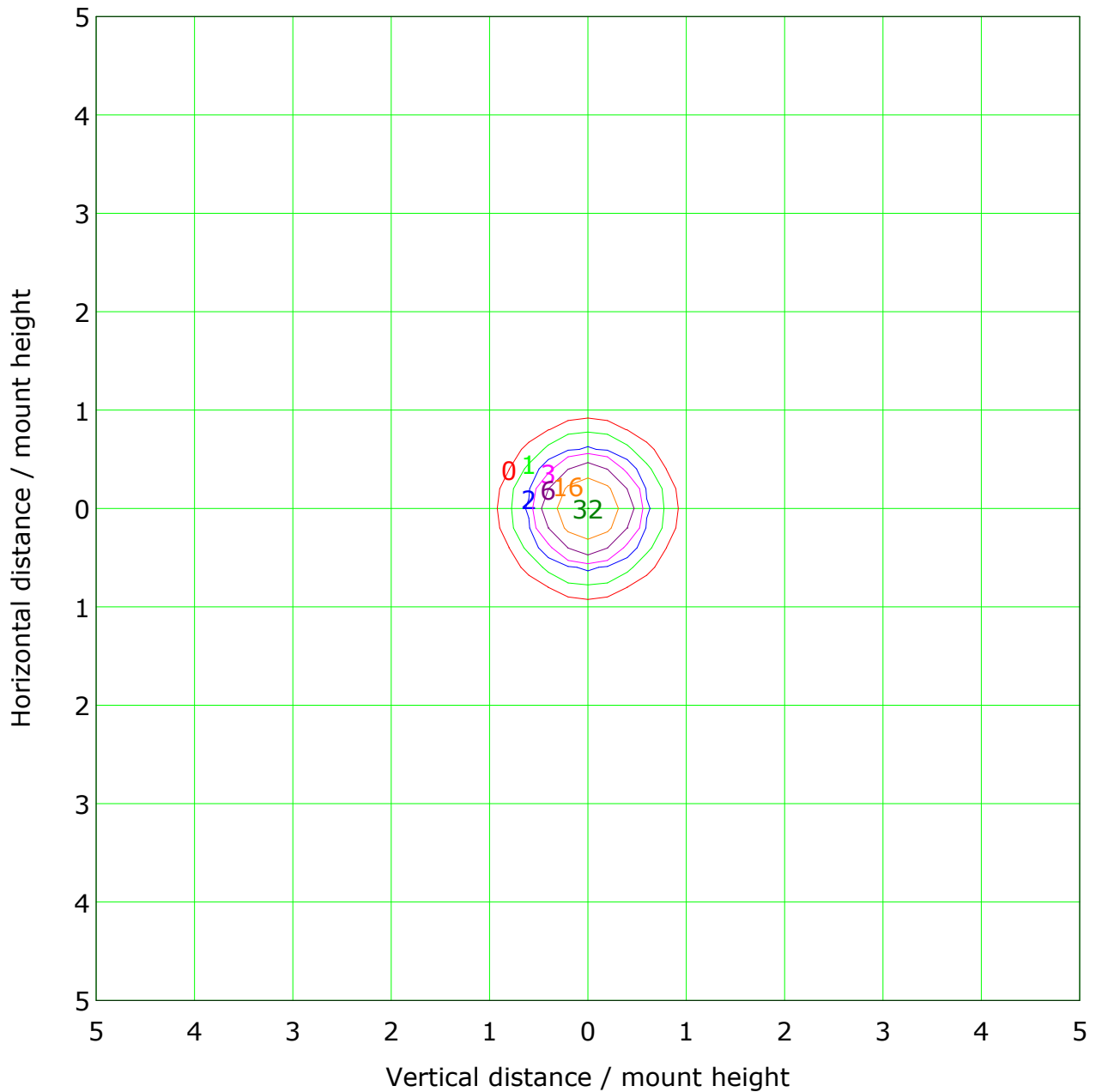
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

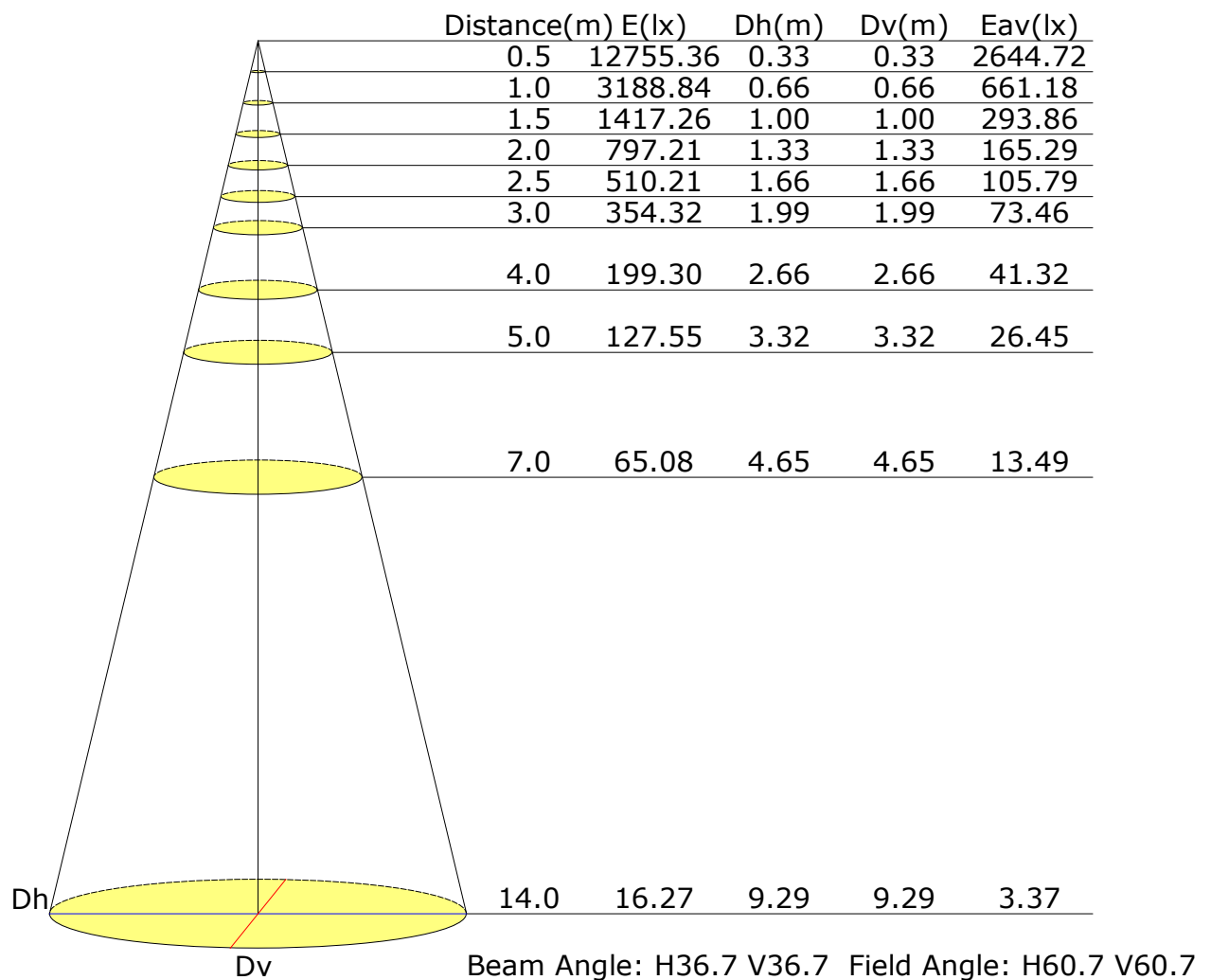


Mounting Height: 10m		Max Lux(100%): 32 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	3 lx
(20%):	6 lx	(50%):	16 lx
(100%):	32 lx		

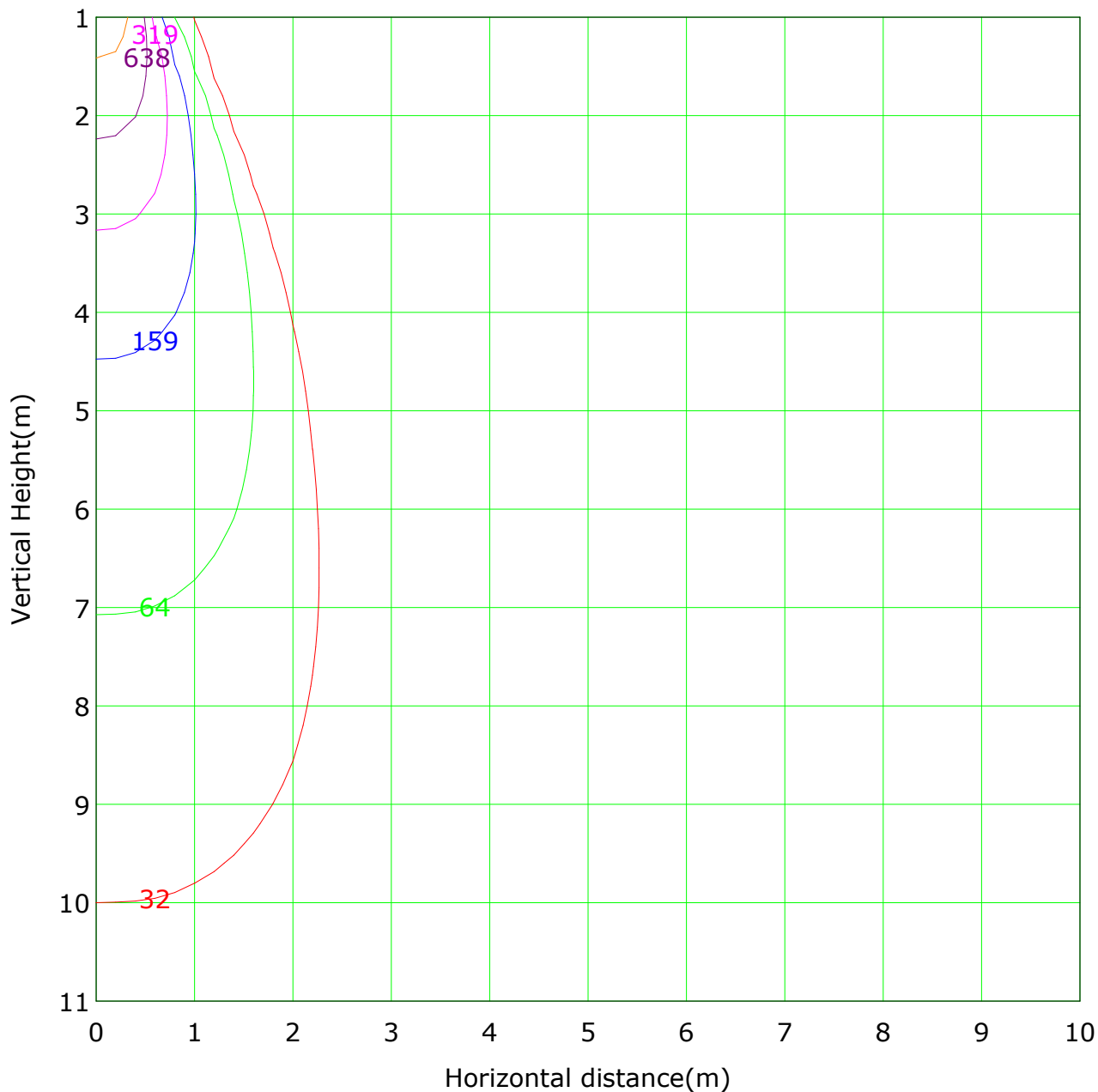
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



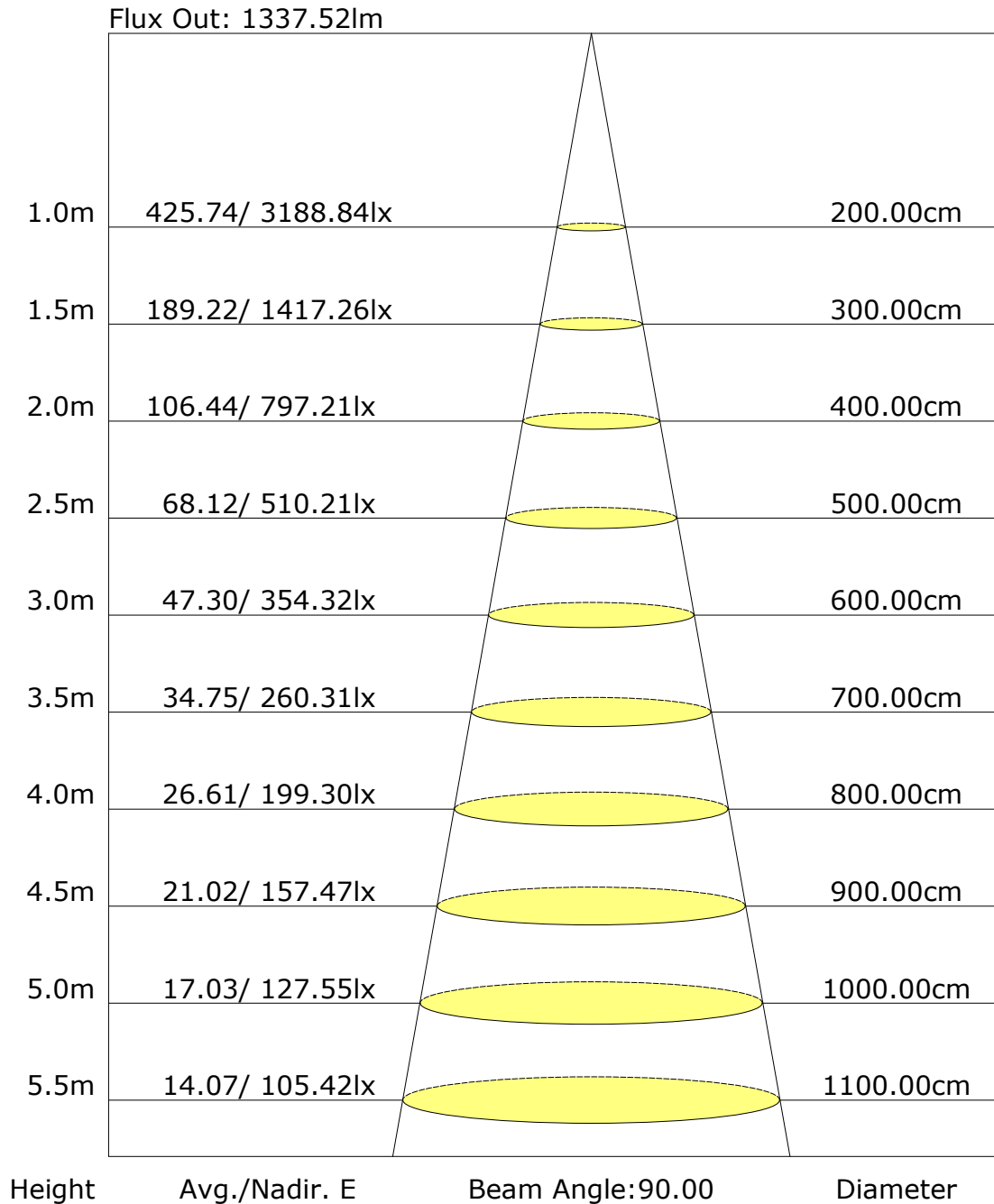
Lowest(m): 1m Highest(m): 11 Max Lux: 3189

(1%): 32 lx	(2%): 64 lx
(5%): 159 lx	(10%): 319 lx
(20%): 638 lx	(50%): 1594 lx
(100%): 3189 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	3186.7	3.0	3.0	0.22	0.22
1.0-2.0	3180.9	9.1	12.2	0.65	0.87
2.0-3.0	3171.4	15.2	27.4	1.09	1.96
3.0-4.0	3155.3	21.1	48.5	1.51	3.47
4.0-5.0	3128.4	26.9	75.4	1.93	5.40
5.0-6.0	3090.8	32.5	107.9	2.33	7.73
6.0-7.0	3044.3	37.8	145.7	2.71	10.43
7.0-8.0	2987.5	42.8	188.4	3.06	13.50
8.0-9.0	2918.4	47.3	235.7	3.39	16.88
9.0-10.0	2834.0	51.3	287.0	3.67	20.56
10.0-11.0	2732.2	54.6	341.6	3.91	24.47
11.0-12.0	2616.7	57.2	398.8	4.10	28.57
12.0-13.0	2490.7	59.1	458.0	4.23	32.80
13.0-14.0	2353.4	60.2	518.2	4.32	37.12
14.0-15.0	2206.6	60.6	578.8	4.34	41.46
15.0-16.0	2053.5	60.2	639.0	4.31	45.77
16.0-17.0	1895.4	59.0	698.0	4.23	50.00
17.0-18.0	1734.3	57.2	755.2	4.10	54.09
18.0-19.0	1574.2	54.8	810.0	3.92	58.02
19.0-20.0	1420.7	52.0	862.0	3.73	61.74
20.0-21.0	1276.8	49.0	911.0	3.51	65.25
21.0-22.0	1141.6	45.9	956.9	3.29	68.54
22.0-23.0	1015.6	42.6	999.5	3.05	71.59
23.0-24.0	899.1	39.3	1038.8	2.82	74.41
24.0-25.0	790.8	36.0	1074.8	2.58	76.98
25.0-26.0	689.8	32.6	1107.4	2.33	79.32
26.0-27.0	596.6	29.2	1136.5	2.09	81.41
27.0-28.0	511.6	25.9	1162.5	1.86	83.26
28.0-29.0	435.6	22.8	1185.2	1.63	84.90
29.0-30.0	368.7	19.9	1205.2	1.43	86.32
30.0-31.0	310.9	17.3	1222.5	1.24	87.56
31.0-32.0	261.8	15.0	1237.5	1.07	88.63
32.0-33.0	221.0	13.0	1250.5	0.93	89.57
33.0-34.0	188.1	11.4	1261.9	0.82	90.38
34.0-35.0	162.6	10.1	1272.0	0.72	91.11
35.0-36.0	142.8	9.1	1281.1	0.65	91.76

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	127.0	8.3	1289.3	0.59	92.35
37.0-38.0	113.9	7.6	1297.0	0.54	92.90
38.0-39.0	102.9	7.0	1304.0	0.50	93.40
39.0-40.0	93.4	6.5	1310.5	0.47	93.87
40.0-41.0	85.4	6.1	1316.6	0.44	94.30
41.0-42.0	78.5	5.7	1322.3	0.41	94.71
42.0-43.0	72.4	5.4	1327.6	0.38	95.09
43.0-44.0	67.2	5.1	1332.7	0.36	95.46
44.0-45.0	62.5	4.8	1337.5	0.34	95.80
45.0-46.0	58.4	4.6	1342.1	0.33	96.13
46.0-47.0	54.5	4.3	1346.4	0.31	96.44
47.0-48.0	50.7	4.1	1350.5	0.29	96.73
48.0-49.0	47.3	3.9	1354.4	0.28	97.01
49.0-50.0	44.3	3.7	1358.1	0.26	97.28
50.0-51.0	41.4	3.5	1361.6	0.25	97.53
51.0-52.0	38.7	3.3	1364.9	0.24	97.77
52.0-53.0	36.0	3.1	1368.1	0.22	97.99
53.0-54.0	33.2	2.9	1371.0	0.21	98.20
54.0-55.0	30.7	2.7	1373.7	0.20	98.40
55.0-56.0	28.5	2.6	1376.3	0.18	98.58
56.0-57.0	26.4	2.4	1378.7	0.17	98.75
57.0-58.0	24.4	2.3	1381.0	0.16	98.91
58.0-59.0	22.2	2.1	1383.1	0.15	99.06
59.0-60.0	20.2	1.9	1385.0	0.14	99.20
60.0-61.0	18.2	1.7	1386.7	0.12	99.32
61.0-62.0	16.3	1.6	1388.3	0.11	99.44
62.0-63.0	14.6	1.4	1389.7	0.10	99.54
63.0-64.0	13.1	1.3	1391.0	0.09	99.63
64.0-65.0	11.3	1.1	1392.1	0.08	99.71
65.0-66.0	9.6	1.0	1393.1	0.07	99.78
66.0-67.0	7.9	0.8	1393.9	0.06	99.84
67.0-68.0	6.1	0.6	1394.5	0.04	99.88
68.0-69.0	4.8	0.5	1395.0	0.03	99.92
69.0-70.0	3.8	0.4	1395.4	0.03	99.94
70.0-71.0	2.9	0.3	1395.7	0.02	99.97
71.0-72.0	2.0	0.2	1395.9	0.01	99.98

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	3188.8	3188.8								
G1.0	3188.0	3181.0								
G2.0	3186.2	3168.5								
G3.0	3180.6	3150.2								
G4.0	3162.5	3127.6								
G5.0	3130.9	3092.6								
G6.0	3089.9	3049.7								
G7.0	3040.5	2997.2								
G8.0	2977.8	2934.6								
G9.0	2903.7	2857.4								
G10.0	2815.9	2759.2								
G11.0	2715.1	2638.6								
G12.0	2607.7	2505.5								
G13.0	2485.9	2363.5								
G14.0	2345.8	2218.3								
G15.0	2193.1	2069.4								
G16.0	2034.8	1916.8								
G17.0	1871.4	1758.8								
G18.0	1706.7	1600.5								
G19.0	1542.5	1447.3								
G20.0	1388.1	1305.0								
G21.0	1243.1	1171.0								
G22.0	1107.1	1045.2								
G23.0	980.0	929.9								
G24.0	863.6	823.0								
G25.0	756.3	720.5								
G26.0	656.2	626.1								
G27.0	564.3	539.7								
G28.0	481.4	461.2								
G29.0	407.3	392.3								
G30.0	343.4	331.9								
G31.0	289.1	279.1								
G32.0	243.4	235.4								
G33.0	205.8	199.5								
G34.0	176.3	170.9								
G35.0	153.8	149.2								
G36.0	136.2	132.1								

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	122.0	117.8								
G38.0	109.9	106.0								
G39.0	99.3	96.2								
G40.0	90.6	87.4								
G41.0	83.2	80.3								
G42.0	76.6	73.7								
G43.0	71.0	68.4								
G44.0	65.9	63.6								
G45.0	61.5	59.2								
G46.0	57.4	55.4								
G47.0	53.6	51.7								
G48.0	50.2	47.5								
G49.0	47.2	44.4								
G50.0	44.3	41.3								
G51.0	41.6	38.5								
G52.0	39.1	35.8								
G53.0	36.0	33.2								
G54.0	32.9	30.7								
G55.0	30.5	28.5								
G56.0	28.7	26.3								
G57.0	26.8	24.0								
G58.0	24.8	21.9								
G59.0	23.0	19.2								
G60.0	21.2	17.3								
G61.0	19.0	15.4								
G62.0	16.9	13.9								
G63.0	14.9	12.9								
G64.0	13.4	11.2								
G65.0	12.2	8.6								
G66.0	10.9	6.7								
G67.0	8.6	5.5								
G68.0	6.0	4.5								
G69.0	5.0	3.6								
G70.0	3.8	3.0								
G71.0	3.0	1.9								
G72.0	2.0	1.0								
G73.0	1.2	0.4								

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: