

Report No.:

Test Time: 2025-07-22 11:16

Luminaire Property

Luminaire Category:

Voltage: 224.3 V

Power: 30.70 W

Current: 0.141 A

Power Factor: 0.961

Photometric Results

CIE Class: Direct

Measurement Flux: 2589.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H69.6

Vertical Diffuse Angle(50%): V69.6

Luminaire Efficacy Rating (LER): 84

Max. Intensity: 2197.93 cd

Total Rated Lamp Lumens: 2589.7 lm

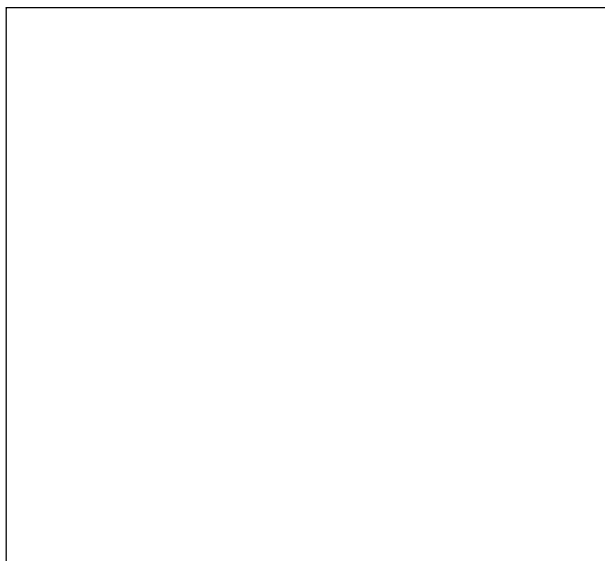
Efficiency: 100%

Upward Ratio: 0%

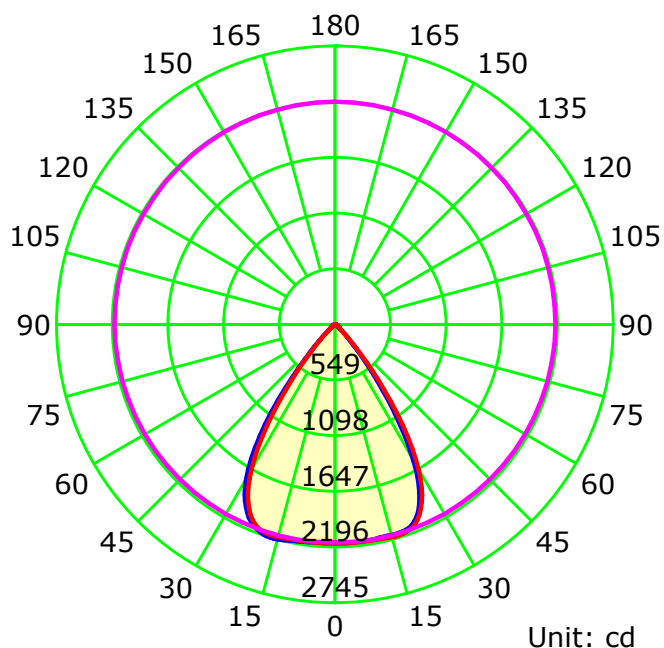
Central Intensity: 2156.17 cd

Pos of Max. Intensity: H180 V16

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G16

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

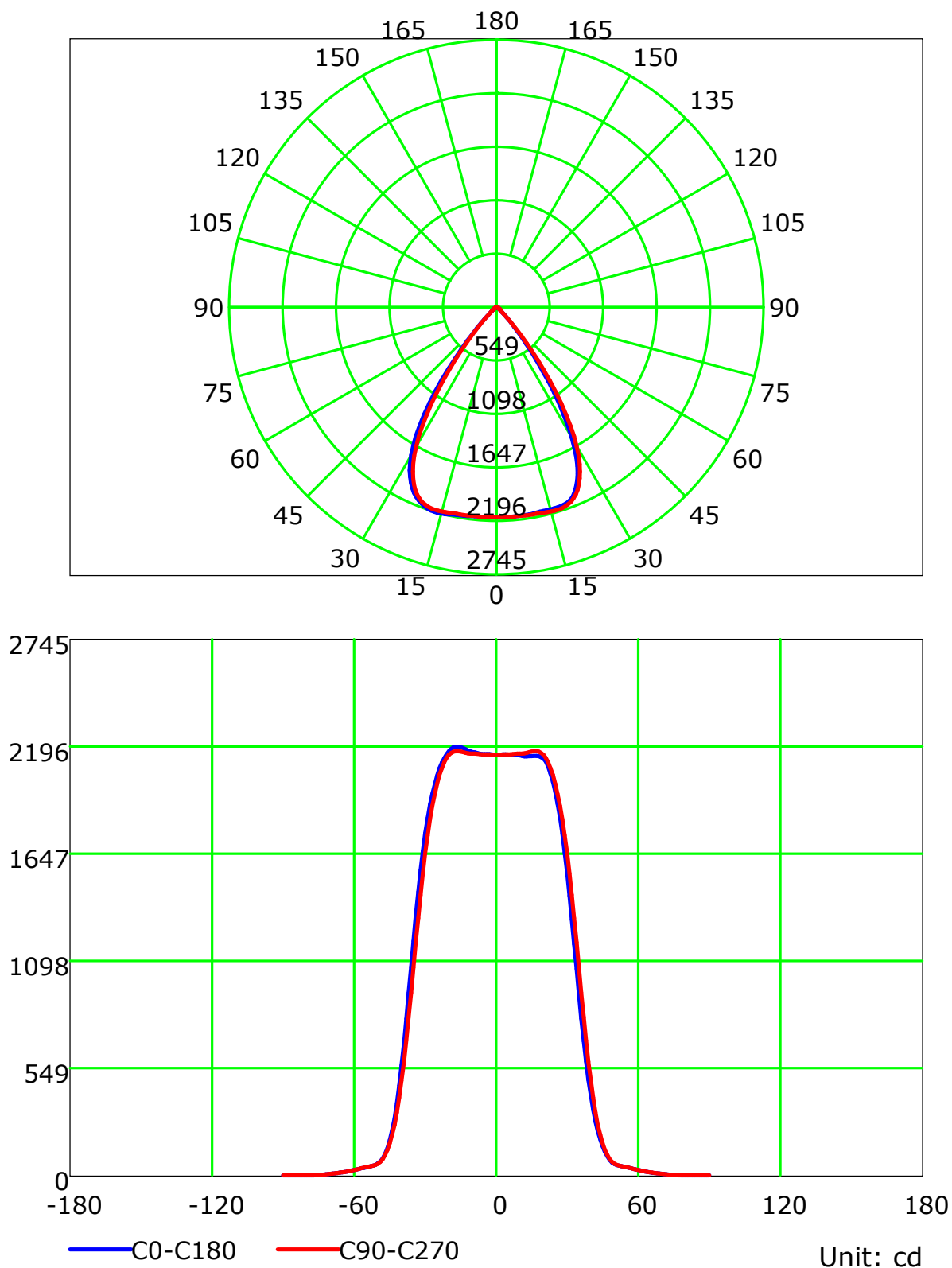
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

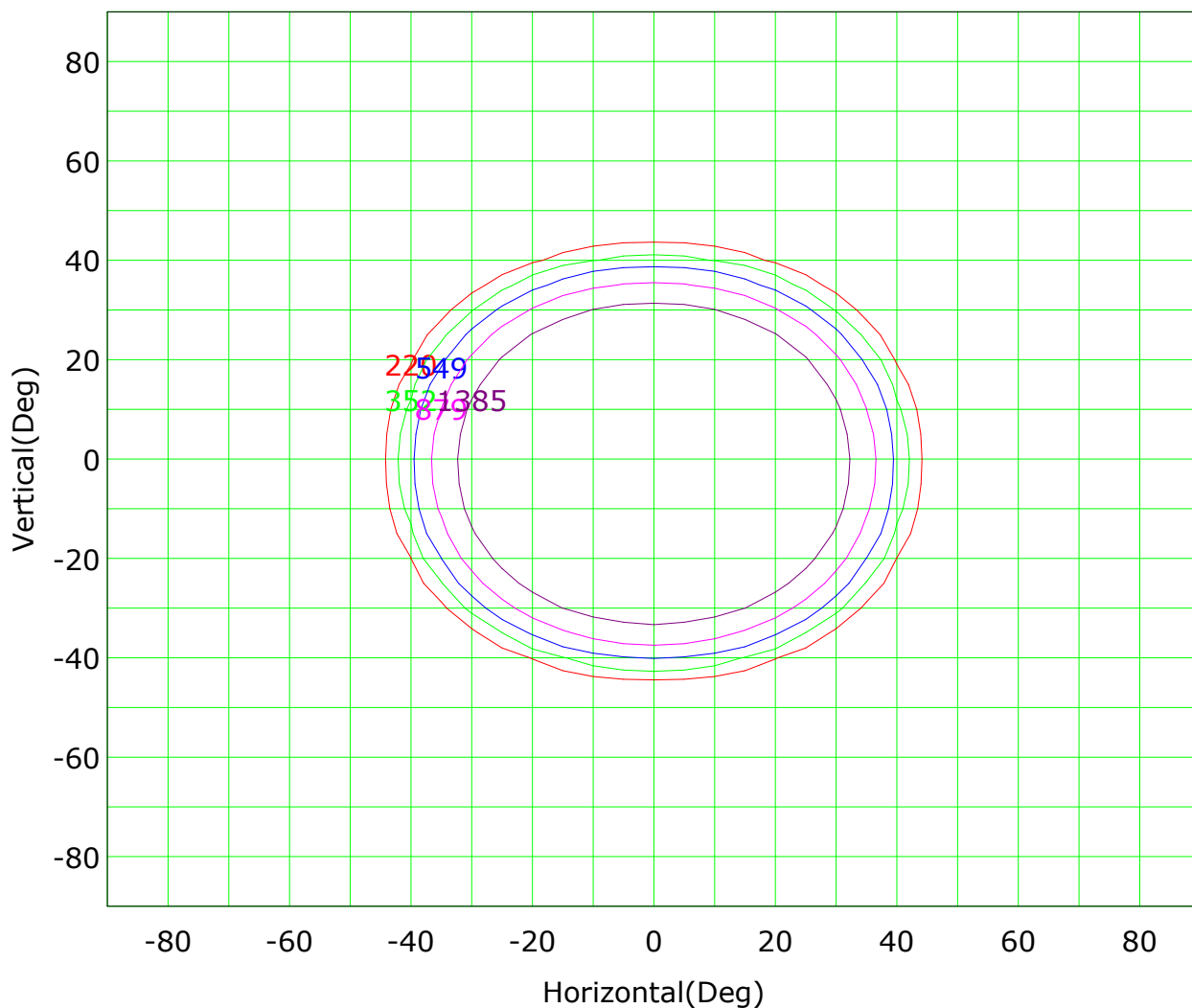
Luminous Intensity Distribution Curve



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: 3.000 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 2198 cd

(10%): 220 cd	(16%): 352 cd
(25%): 549 cd	(40%): 879 cd
(63%): 1385 cd	(100%): 2198 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

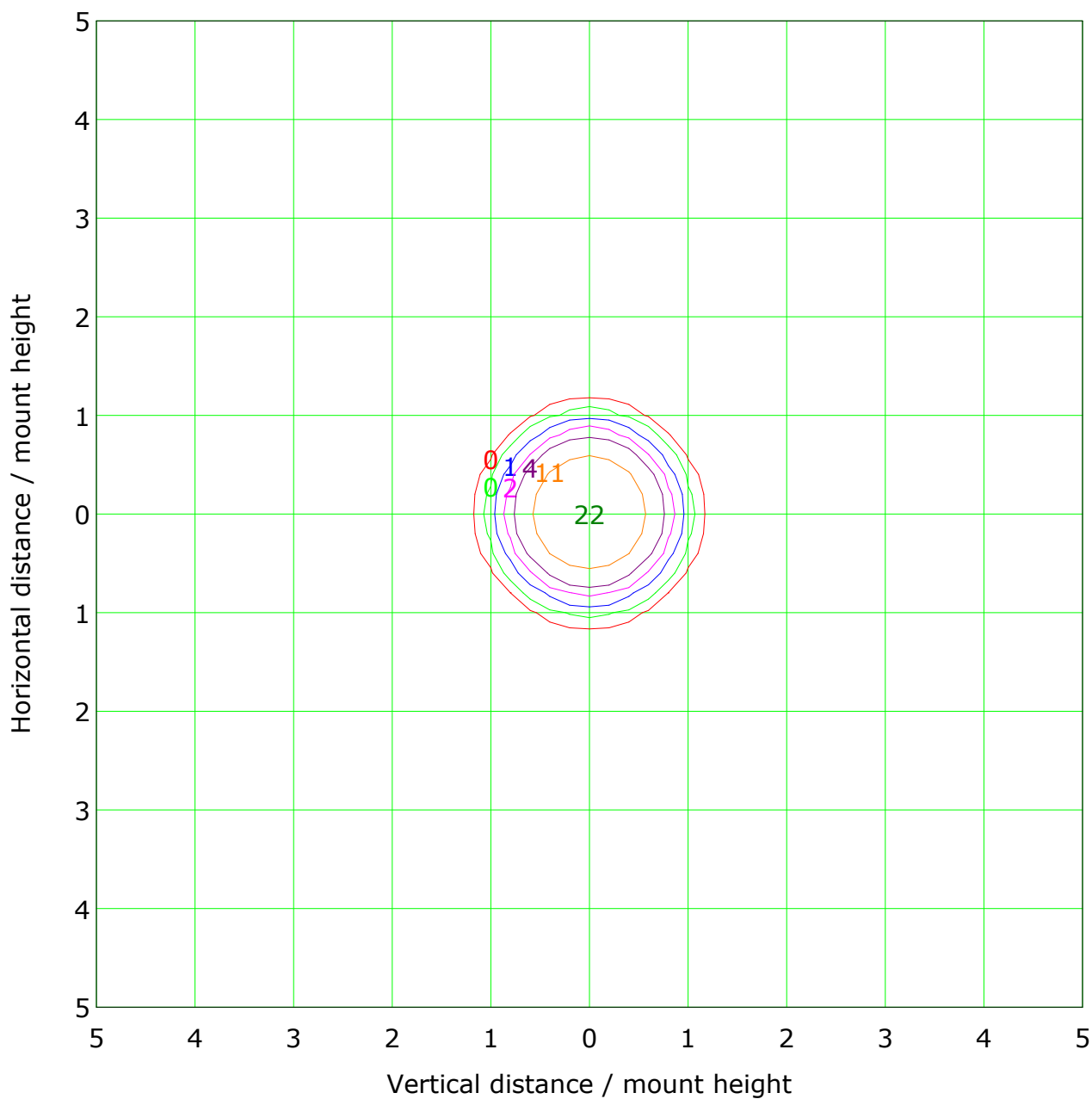
Test Device: CHL-6E

Distance: 3.000 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 22 lx	
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	4 lx	— (50%):	11 lx
— (100%):	22 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

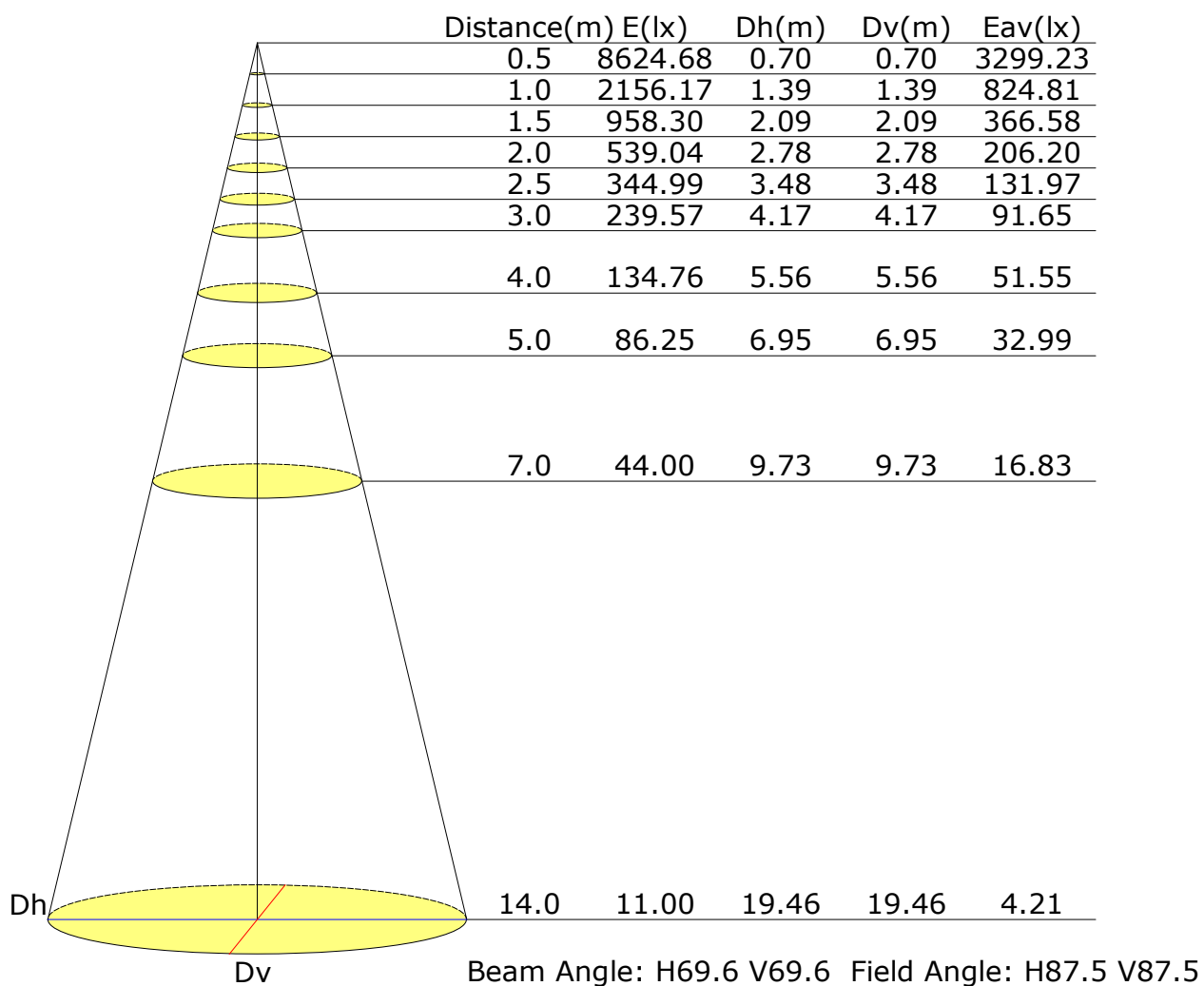
Test Device: CHL-6E

Distance: 3.000 m

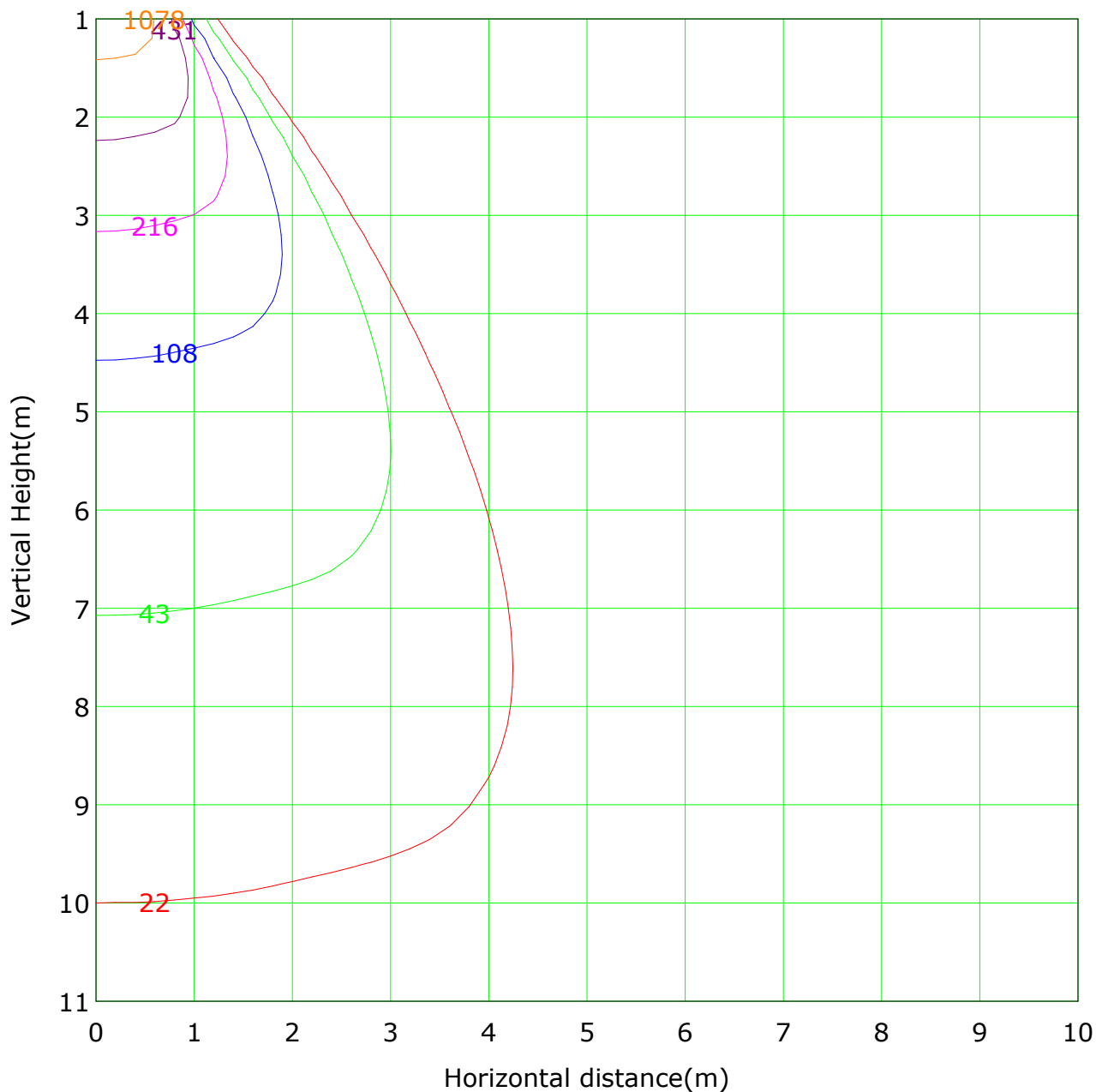
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

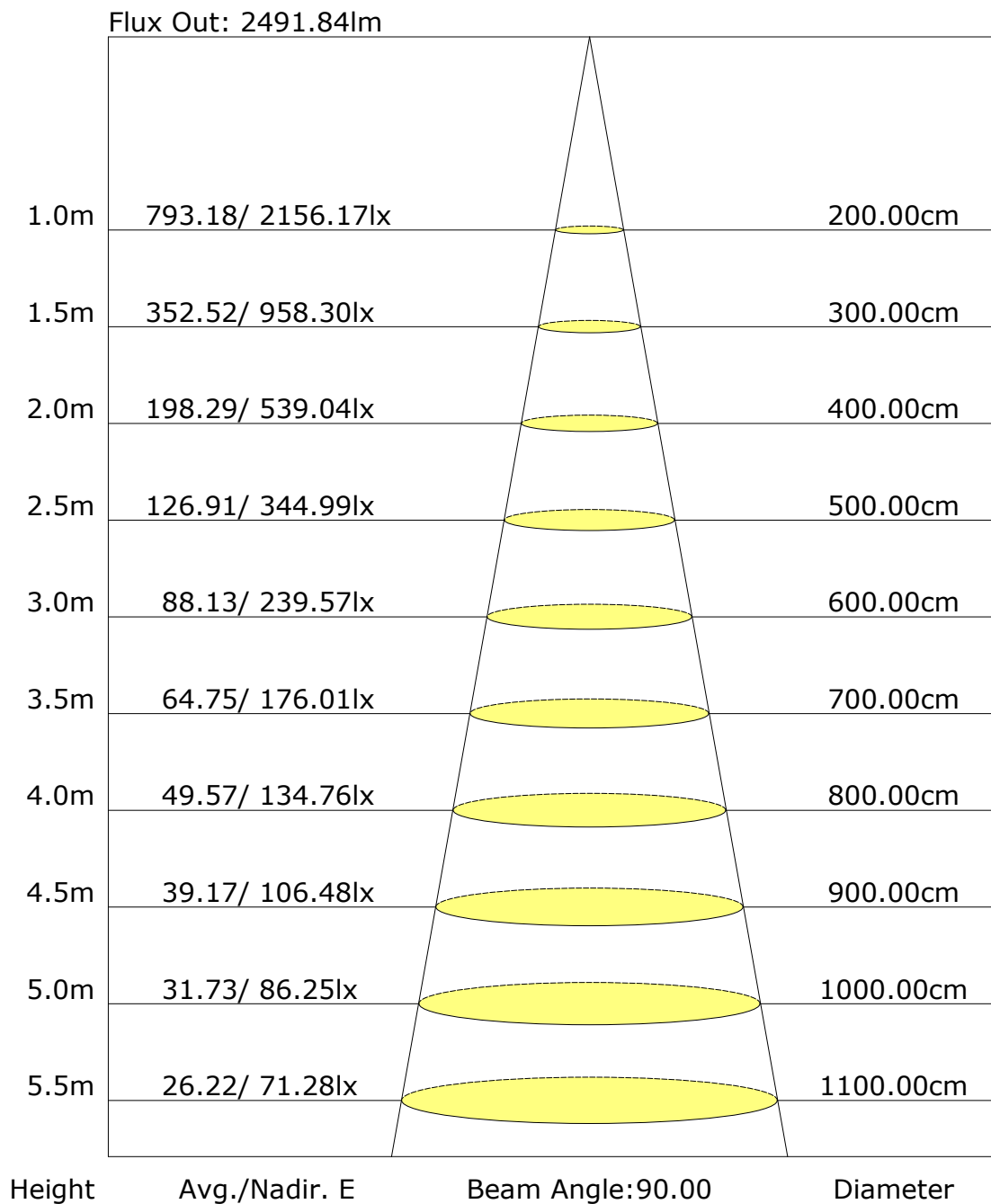


Lowest(m): 1m Highest(m): 11 Max Lux: 2156
 (1%): 22 lx (2%): 43 lx
 (5%): 108 lx (10%): 216 lx
 (20%): 431 lx (50%): 1078 lx
 (100%): 2156 lx

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: 3.000 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: 3.000 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	2156.0	2.1	2.1	0.08	0.08
1.0-2.0	2156.6	6.2	8.3	0.24	0.32
2.0-3.0	2158.0	10.3	18.6	0.40	0.72
3.0-4.0	2158.4	14.4	33.0	0.56	1.28
4.0-5.0	2158.3	18.6	51.6	0.72	1.99
5.0-6.0	2158.2	22.7	74.3	0.88	2.87
6.0-7.0	2158.8	26.8	101.1	1.03	3.90
7.0-8.0	2159.9	30.9	132.0	1.19	5.10
8.0-9.0	2160.9	35.0	167.0	1.35	6.45
9.0-10.0	2161.7	39.1	206.1	1.51	7.96
10.0-11.0	2161.9	43.2	249.4	1.67	9.63
11.0-12.0	2162.5	47.3	296.6	1.83	11.45
12.0-13.0	2164.6	51.4	348.0	1.98	13.44
13.0-14.0	2168.0	55.5	403.5	2.14	15.58
14.0-15.0	2170.9	59.6	463.1	2.30	17.88
15.0-16.0	2173.1	63.7	526.8	2.46	20.34
16.0-17.0	2174.1	67.7	594.5	2.61	22.96
17.0-18.0	2173.0	71.7	666.2	2.77	25.72
18.0-19.0	2168.7	75.5	741.6	2.91	28.64
19.0-20.0	2160.2	79.1	820.7	3.05	31.69
20.0-21.0	2147.5	82.5	903.2	3.18	34.88
21.0-22.0	2128.6	85.5	988.7	3.30	38.18
22.0-23.0	2102.6	88.2	1077.0	3.41	41.59
23.0-24.0	2069.9	90.5	1167.5	3.49	45.08
24.0-25.0	2029.6	92.3	1259.8	3.56	48.64
25.0-26.0	1981.0	93.5	1353.3	3.61	52.26
26.0-27.0	1924.2	94.2	1447.4	3.64	55.89
27.0-28.0	1859.4	94.2	1541.6	3.64	59.53
28.0-29.0	1784.4	93.4	1635.0	3.61	63.13
29.0-30.0	1697.6	91.7	1726.6	3.54	66.67
30.0-31.0	1600.0	89.1	1815.7	3.44	70.11
31.0-32.0	1493.4	85.6	1901.2	3.30	73.41
32.0-33.0	1378.8	81.2	1982.5	3.14	76.55
33.0-34.0	1257.0	76.1	2058.6	2.94	79.49
34.0-35.0	1130.1	70.2	2128.8	2.71	82.20
35.0-36.0	1001.2	63.8	2192.5	2.46	84.66

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: 3.000 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	874.1	57.0	2249.5	2.20	86.86
37.0-38.0	752.0	50.2	2299.7	1.94	88.80
38.0-39.0	638.0	43.6	2343.3	1.68	90.48
39.0-40.0	534.7	37.3	2380.6	1.44	91.92
40.0-41.0	442.4	31.5	2412.1	1.22	93.14
41.0-42.0	360.8	26.2	2438.3	1.01	94.15
42.0-43.0	291.3	21.6	2459.9	0.83	94.99
43.0-44.0	233.5	17.6	2477.5	0.68	95.67
44.0-45.0	186.3	14.3	2491.8	0.55	96.22
45.0-46.0	147.9	11.6	2503.4	0.45	96.67
46.0-47.0	117.0	9.3	2512.7	0.36	97.03
47.0-48.0	93.3	7.5	2520.3	0.29	97.32
48.0-49.0	76.4	6.3	2526.5	0.24	97.56
49.0-50.0	64.7	5.4	2531.9	0.21	97.77
50.0-51.0	56.9	4.8	2536.7	0.19	97.95
51.0-52.0	52.0	4.5	2541.2	0.17	98.13
52.0-53.0	48.6	4.2	2545.4	0.16	98.29
53.0-54.0	45.8	4.0	2549.5	0.16	98.45
54.0-55.0	43.2	3.9	2553.3	0.15	98.59
55.0-56.0	40.7	3.7	2557.0	0.14	98.74
56.0-57.0	38.1	3.5	2560.5	0.13	98.87
57.0-58.0	35.3	3.3	2563.8	0.13	99.00
58.0-59.0	32.3	3.0	2566.8	0.12	99.11
59.0-60.0	29.5	2.8	2569.6	0.11	99.22
60.0-61.0	26.7	2.5	2572.1	0.10	99.32
61.0-62.0	23.8	2.3	2574.4	0.09	99.41
62.0-63.0	21.3	2.1	2576.5	0.08	99.49
63.0-64.0	19.0	1.9	2578.3	0.07	99.56
64.0-65.0	17.0	1.7	2580.0	0.07	99.63
65.0-66.0	15.3	1.5	2581.6	0.06	99.68
66.0-67.0	13.7	1.4	2582.9	0.05	99.74
67.0-68.0	12.2	1.2	2584.2	0.05	99.79
68.0-69.0	10.6	1.1	2585.2	0.04	99.83
69.0-70.0	9.1	0.9	2586.2	0.04	99.86
70.0-71.0	7.6	0.8	2587.0	0.03	99.89
71.0-72.0	6.2	0.6	2587.6	0.02	99.92

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: 3.000 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.000 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	2156.2	2156.2								
G1.0	2155.6	2156.2								
G2.0	2156.9	2157.8								
G3.0	2158.1	2159.0								
G4.0	2157.5	2159.0								
G5.0	2157.4	2159.5								
G6.0	2156.5	2159.6								
G7.0	2156.9	2162.1								
G8.0	2155.6	2164.8								
G9.0	2155.0	2168.4								
G10.0	2153.0	2170.3								
G11.0	2150.8	2173.5								
G12.0	2148.3	2177.6								
G13.0	2148.0	2184.5								
G14.0	2149.0	2190.6								
G15.0	2149.6	2194.5								
G16.0	2150.4	2197.9								
G17.0	2150.8	2197.2								
G18.0	2148.6	2195.4								
G19.0	2143.8	2186.9								
G20.0	2136.0	2174.2								
G21.0	2121.3	2158.4								
G22.0	2096.1	2138.6								
G23.0	2060.0	2115.8								
G24.0	2017.0	2086.8								
G25.0	1966.5	2048.0								
G26.0	1905.5	2003.9								
G27.0	1833.3	1954.2								
G28.0	1750.7	1899.3								
G29.0	1655.1	1832.4								
G30.0	1548.9	1753.9								
G31.0	1433.3	1663.8								
G32.0	1311.6	1564.8								
G33.0	1185.7	1453.0								
G34.0	1058.8	1330.7								
G35.0	930.4	1200.6								
G36.0	804.9	1068.9								

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: 3.000 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	687.8	934.5								
G38.0	583.6	802.1								
G39.0	489.6	676.8								
G40.0	409.0	563.5								
G41.0	336.6	460.4								
G42.0	276.4	369.7								
G43.0	226.3	292.8								
G44.0	184.5	230.6								
G45.0	149.1	181.1								
G46.0	120.5	140.9								
G47.0	97.1	109.5								
G48.0	79.3	87.3								
G49.0	66.4	72.6								
G50.0	58.2	61.6								
G51.0	53.0	54.7								
G52.0	50.0	50.3								
G53.0	47.1	47.1								
G54.0	44.7	44.2								
G55.0	42.2	41.8								
G56.0	39.8	39.1								
G57.0	37.0	36.7								
G58.0	33.7	33.7								
G59.0	30.9	31.0								
G60.0	27.9	28.3								
G61.0	24.9	25.5								
G62.0	22.4	22.5								
G63.0	19.8	20.3								
G64.0	17.9	18.0								
G65.0	16.1	16.1								
G66.0	14.3	14.6								
G67.0	13.0	13.0								
G68.0	11.2	11.5								
G69.0	9.7	10.0								
G70.0	8.4	8.4								
G71.0	6.9	6.9								
G72.0	5.4	5.5								
G73.0	4.2	4.5								

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: 3.000 m
Humidity:
Inspector:

Unit: cd

Inspector: