

Report No.: 22.01812 Enko Profile Systems Test Time: 2024-09-30 17:03

Luminaire Property

Luminaire Category:

Length (mm): 586

Height (mm): 40

Current: 0.097 A

Power Factor: 0.943

Width (mm): 18.5

Voltage: 228.6 V

Power: 21.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1843.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H38

Vertical Diffuse Angle(50%): V38

Luminaire Efficacy Rating (LER): 88

Max. Intensity: 4177.5 cd

Total Rated Lamp Lumens: 1843.9 lm

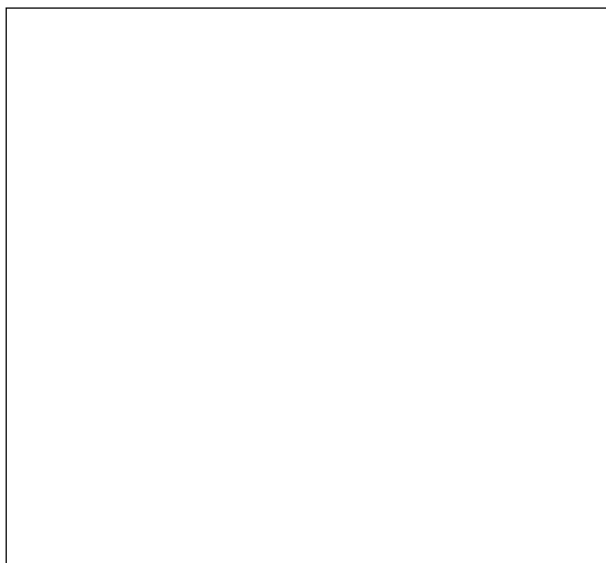
Efficiency: 100%

Upward Ratio: 0%

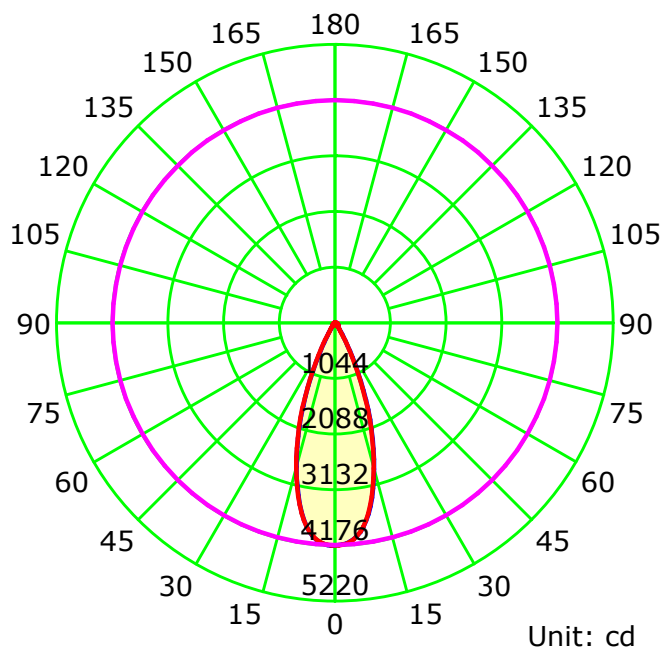
Central Intensity: 4172.51 cd

Pos of Max. Intensity: H180 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

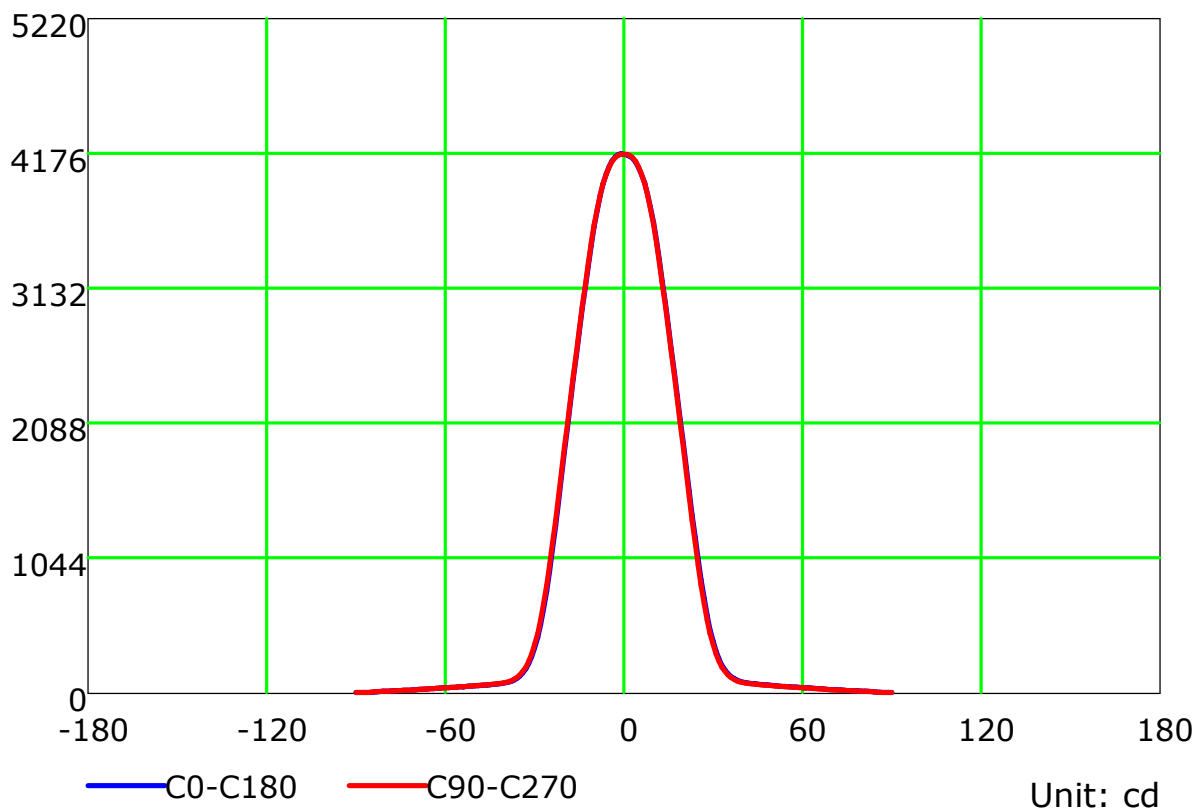
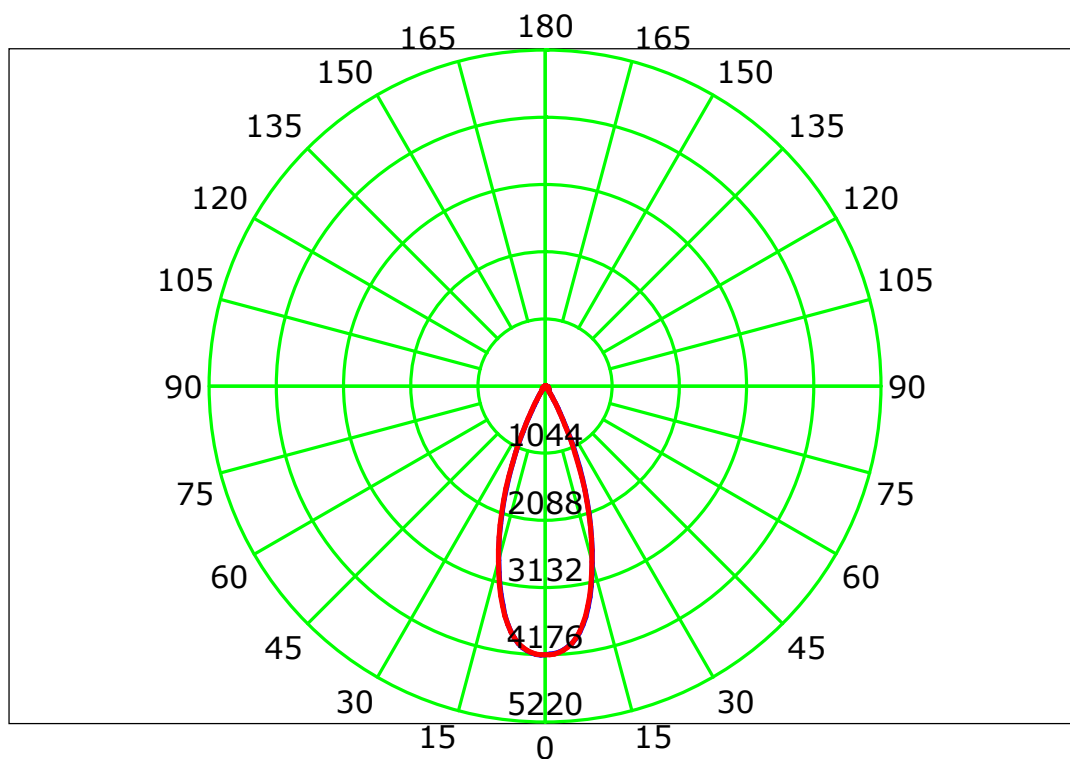
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

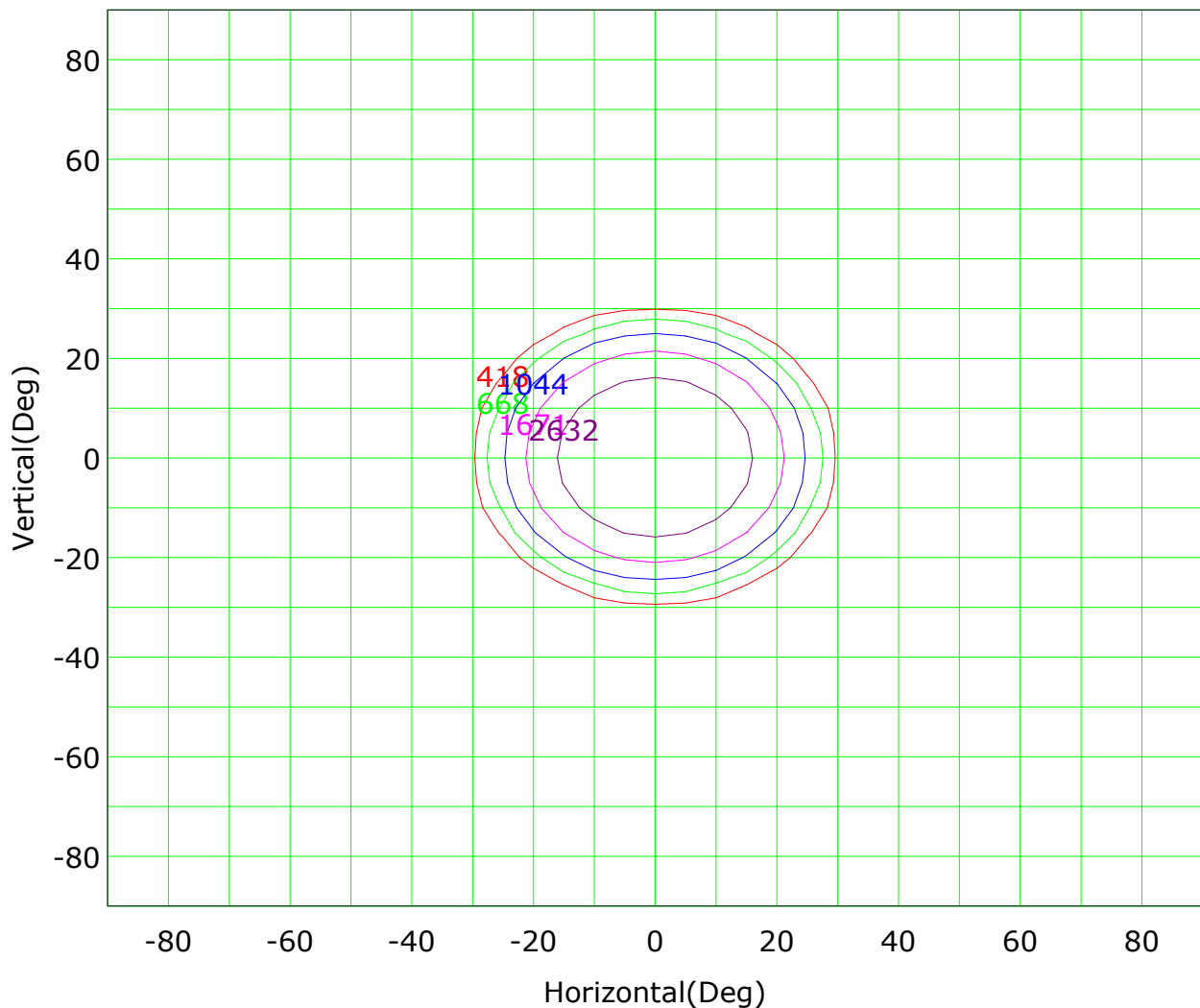
Luminous Intensity Distribution Curve



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%): 4178 cd

(10%): 418 cd	(16%): 668 cd
(25%): 1044 cd	(40%): 1671 cd
(63%): 2632 cd	(100%): 4178 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

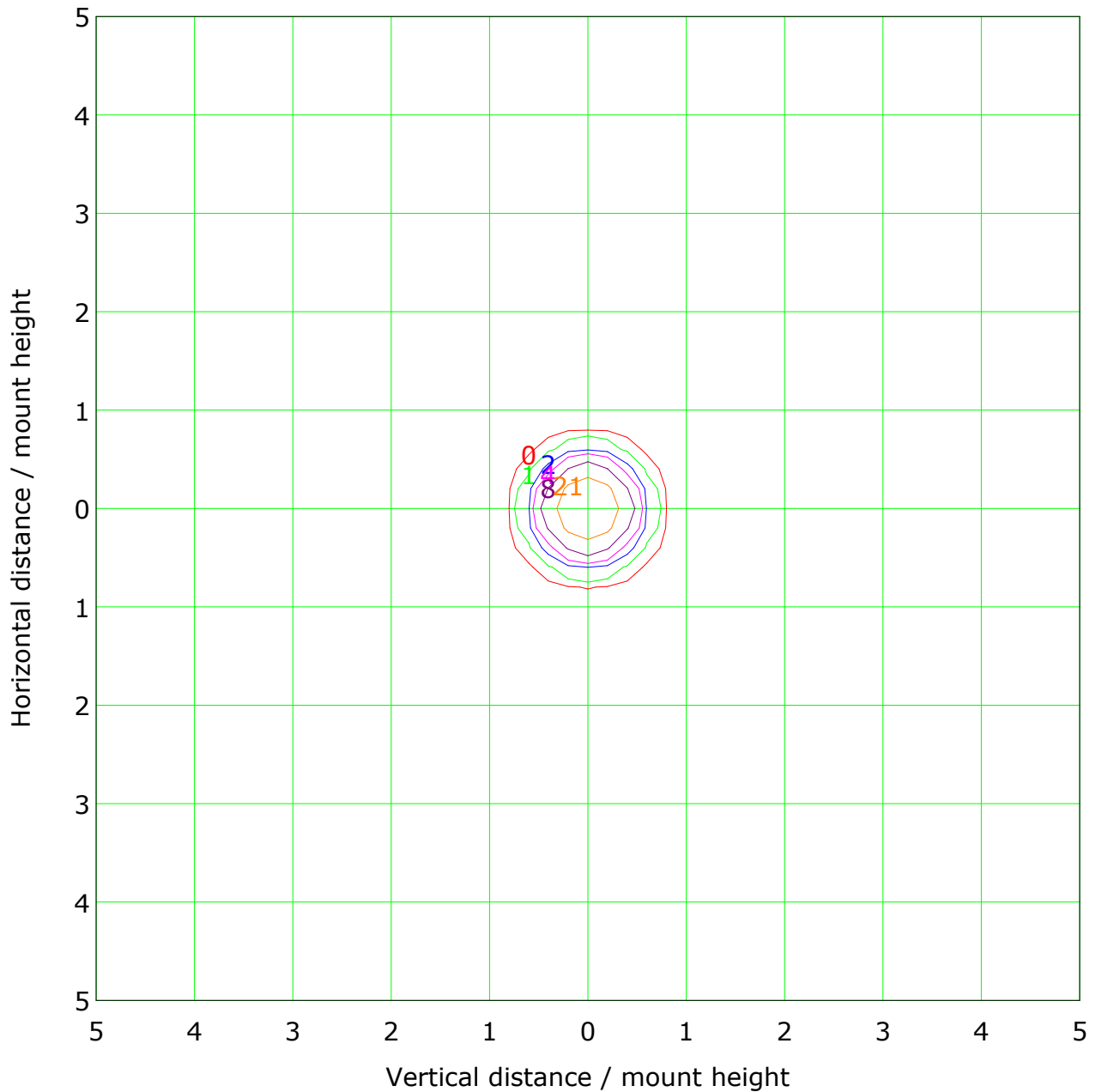
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 42 lx	
(1%):	0 lx	(2%):	1 lx
(5%):	2 lx	(10%):	4 lx
(20%):	8 lx	(50%):	21 lx
(100%):	42 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

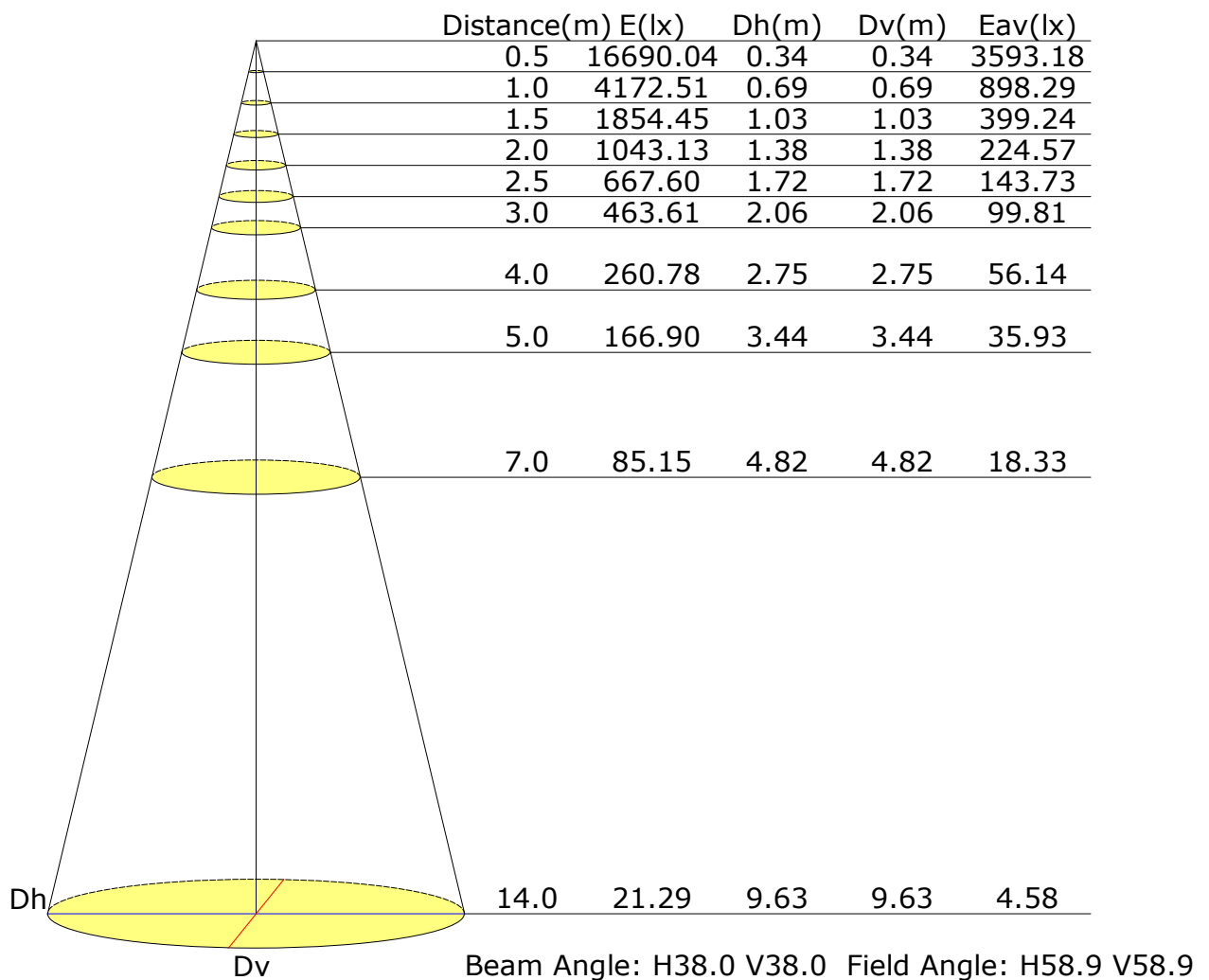
Test Device: CHL-6E

Distance: 3.328 m

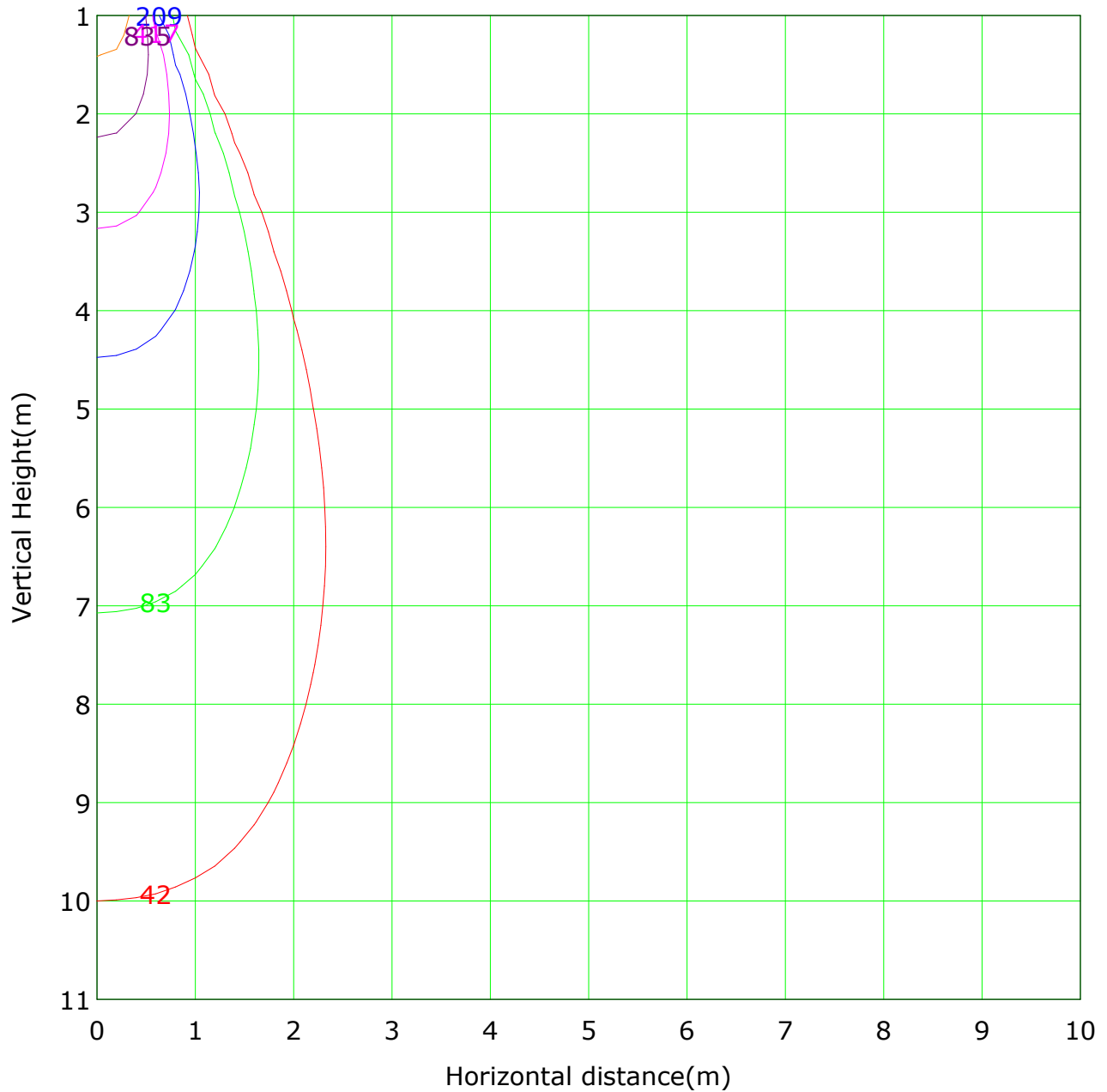
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 4173

(1%): 42 lx	(2%): 83 lx
(5%): 209 lx	(10%): 417 lx
(20%): 835 lx	(50%): 2086 lx
(100%): 4173 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

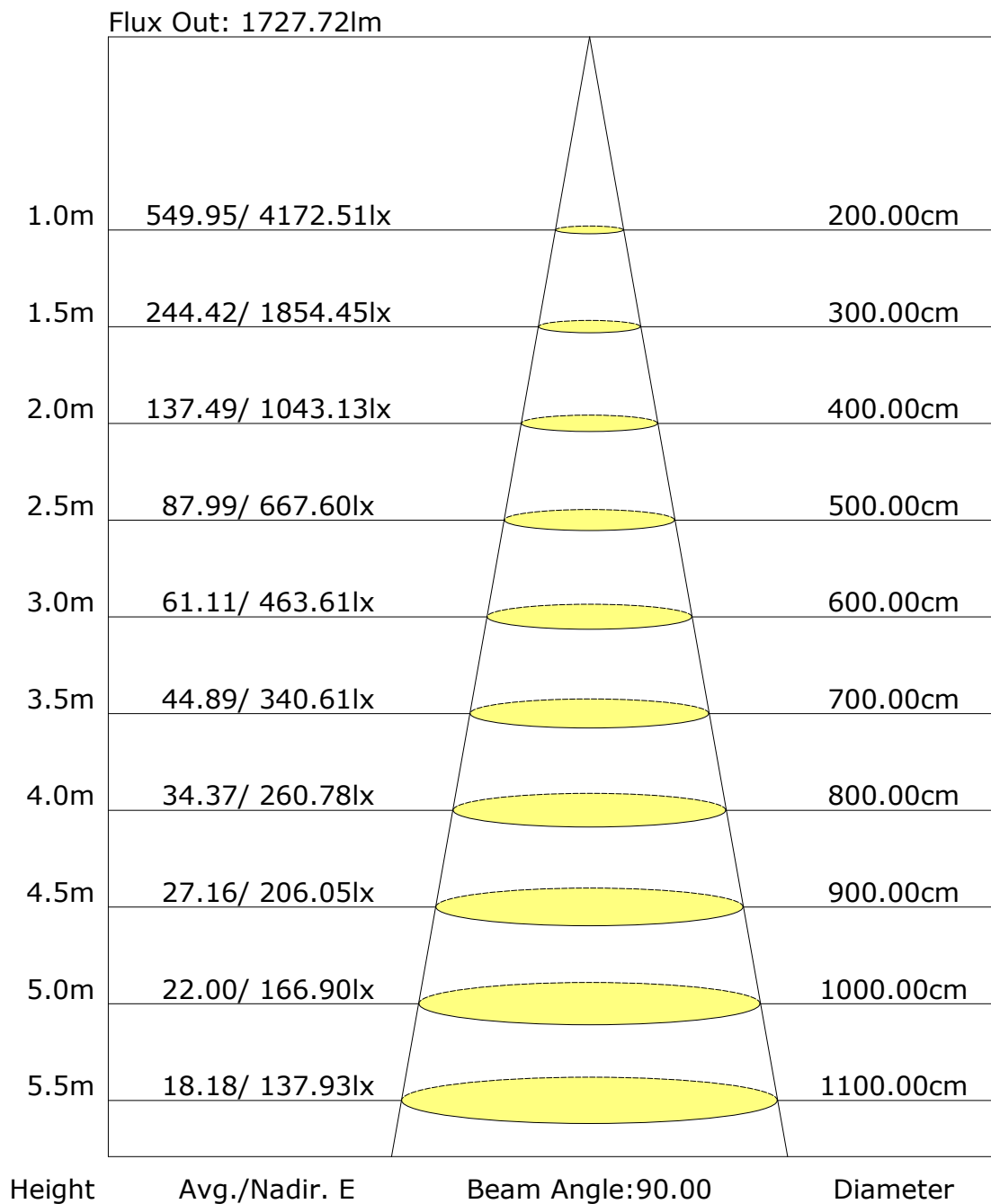
Test Device: CHL-6E

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	4172.2	4.0	4.0	0.22	0.22
1.0-2.0	4167.8	12.0	16.0	0.65	0.87
2.0-3.0	4155.1	19.9	35.8	1.08	1.94
3.0-4.0	4131.1	27.7	63.5	1.50	3.44
4.0-5.0	4094.0	35.2	98.7	1.91	5.35
5.0-6.0	4044.4	42.5	141.2	2.31	7.66
6.0-7.0	3981.5	49.4	190.6	2.68	10.34
7.0-8.0	3901.7	55.8	246.5	3.03	13.37
8.0-9.0	3803.2	61.6	308.1	3.34	16.71
9.0-10.0	3687.3	66.7	374.9	3.62	20.33
10.0-11.0	3554.2	71.0	445.9	3.85	24.18
11.0-12.0	3406.1	74.5	520.4	4.04	28.22
12.0-13.0	3247.2	77.1	597.4	4.18	32.40
13.0-14.0	3080.8	78.9	676.3	4.28	36.68
14.0-15.0	2908.4	79.9	756.2	4.33	41.01
15.0-16.0	2730.1	80.0	836.2	4.34	45.35
16.0-17.0	2547.8	79.4	915.5	4.30	49.65
17.0-18.0	2363.6	77.9	993.5	4.23	53.88
18.0-19.0	2177.9	75.8	1069.3	4.11	57.99
19.0-20.0	1990.9	72.9	1142.1	3.95	61.94
20.0-21.0	1803.3	69.3	1211.4	3.76	65.70
21.0-22.0	1615.3	64.9	1276.3	3.52	69.22
22.0-23.0	1428.7	60.0	1336.3	3.25	72.47
23.0-24.0	1247.6	54.6	1390.8	2.96	75.43
24.0-25.0	1074.0	48.8	1439.7	2.65	78.08
25.0-26.0	910.0	43.0	1482.6	2.33	80.41
26.0-27.0	760.1	37.2	1519.8	2.02	82.42
27.0-28.0	627.1	31.8	1551.6	1.72	84.15
28.0-29.0	511.7	26.8	1578.3	1.45	85.60
29.0-30.0	415.1	22.4	1600.8	1.22	86.81
30.0-31.0	336.0	18.7	1619.5	1.01	87.83
31.0-32.0	271.8	15.6	1635.0	0.84	88.67
32.0-33.0	221.0	13.0	1648.0	0.71	89.38
33.0-34.0	181.1	11.0	1659.0	0.59	89.97
34.0-35.0	150.8	9.4	1668.4	0.51	90.48
35.0-36.0	127.5	8.1	1676.5	0.44	90.92

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: 3.328 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	110.0	7.2	1683.7	0.39	91.31
37.0-38.0	97.2	6.5	1690.2	0.35	91.66
38.0-39.0	87.9	6.0	1696.2	0.33	91.99
39.0-40.0	81.3	5.7	1701.8	0.31	92.30
40.0-41.0	76.4	5.4	1707.3	0.29	92.59
41.0-42.0	72.3	5.3	1712.5	0.28	92.88
42.0-43.0	69.2	5.1	1717.7	0.28	93.15
43.0-44.0	67.3	5.1	1722.7	0.28	93.43
44.0-45.0	64.8	5.0	1727.7	0.27	93.70
45.0-46.0	62.0	4.9	1732.6	0.26	93.96
46.0-47.0	60.2	4.8	1737.4	0.26	94.22
47.0-48.0	58.6	4.7	1742.1	0.26	94.48
48.0-49.0	56.7	4.7	1746.7	0.25	94.73
49.0-50.0	54.5	4.5	1751.3	0.25	94.98
50.0-51.0	52.7	4.5	1755.8	0.24	95.22
51.0-52.0	50.8	4.4	1760.1	0.24	95.46
52.0-53.0	48.9	4.3	1764.4	0.23	95.69
53.0-54.0	46.7	4.1	1768.5	0.22	95.91
54.0-55.0	45.2	4.0	1772.5	0.22	96.13
55.0-56.0	44.3	4.0	1776.5	0.22	96.35
56.0-57.0	42.7	3.9	1780.4	0.21	96.56
57.0-58.0	41.8	3.9	1784.3	0.21	96.77
58.0-59.0	40.5	3.8	1788.1	0.21	96.97
59.0-60.0	38.6	3.7	1791.7	0.20	97.17
60.0-61.0	37.4	3.6	1795.3	0.19	97.36
61.0-62.0	36.2	3.5	1798.8	0.19	97.55
62.0-63.0	34.6	3.4	1802.2	0.18	97.74
63.0-64.0	32.4	3.2	1805.3	0.17	97.91
64.0-65.0	30.5	3.0	1808.4	0.16	98.07
65.0-66.0	29.6	3.0	1811.3	0.16	98.23
66.0-67.0	28.4	2.9	1814.2	0.15	98.39
67.0-68.0	26.5	2.7	1816.8	0.15	98.53
68.0-69.0	24.9	2.5	1819.4	0.14	98.67
69.0-70.0	23.1	2.4	1821.8	0.13	98.80
70.0-71.0	21.5	2.2	1824.0	0.12	98.92
71.0-72.0	20.3	2.1	1826.1	0.11	99.03

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	4172.5	4172.5								
G1.0	4166.3	4177.5								
G2.0	4157.6	4170.0								
G3.0	4141.4	4151.3								
G4.0	4110.2	4121.4								
G5.0	4066.6	4077.8								
G6.0	4014.2	4019.2								
G7.0	3949.4	3943.1								
G8.0	3862.1	3852.1								
G9.0	3758.6	3739.9								
G10.0	3640.2	3610.3								
G11.0	3503.1	3463.2								
G12.0	3349.7	3308.6								
G13.0	3185.2	3145.3								
G14.0	3014.4	2978.2								
G15.0	2841.1	2800.0								
G16.0	2661.6	2617.9								
G17.0	2477.1	2434.7								
G18.0	2297.6	2245.2								
G19.0	2114.3	2054.5								
G20.0	1932.3	1862.5								
G21.0	1745.3	1673.0								
G22.0	1563.3	1479.8								
G23.0	1378.8	1292.8								
G24.0	1205.5	1113.3								
G25.0	1036.0	941.2								
G26.0	876.4	786.6								
G27.0	730.5	647.0								
G28.0	602.1	528.6								
G29.0	488.7	427.6								
G30.0	398.9	345.3								
G31.0	320.4	279.3								
G32.0	260.5	226.9								
G33.0	211.9	184.5								
G34.0	175.8	152.1								
G35.0	147.1	128.4								
G36.0	124.7	109.7								

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	109.7	96.0								
G38.0	98.5	84.8								
G39.0	88.5	79.8								
G40.0	81.0	76.1								
G41.0	77.3	71.1								
G42.0	73.6	67.3								
G43.0	71.1	64.8								
G44.0	69.8	63.6								
G45.0	64.8	61.1								
G46.0	63.6	58.6								
G47.0	61.1	57.3								
G48.0	61.1	54.8								
G49.0	57.3	53.6								
G50.0	54.8	52.4								
G51.0	53.6	49.9								
G52.0	49.9	49.9								
G53.0	48.6	47.4								
G54.0	47.4	43.6								
G55.0	44.9	44.9								
G56.0	44.9	42.4								
G57.0	42.4	41.1								
G58.0	43.6	39.9								
G59.0	39.9	38.7								
G60.0	38.7	37.4								
G61.0	36.2	37.4								
G62.0	37.4	33.7								
G63.0	34.9	32.4								
G64.0	32.4	29.9								
G65.0	29.9	29.9								
G66.0	29.9	28.7								
G67.0	28.7	26.2								
G68.0	26.2	24.9								
G69.0	23.7	24.9								
G70.0	22.4	21.2								
G71.0	22.4	20.0								
G72.0	20.0	18.7								
G73.0	20.0	18.7								

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: