

Report No.: 22.01812 Enko Profile Systems Test Time: 2024-09-30 16:55

## Luminaire Property

Luminaire Category:

Length (mm): 586

Height (mm): 40

Current: 0.097 A

Power Factor: 0.942

Width (mm): 18.5

Voltage: 230.7 V

Power: 21.10 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 2068.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.8

Vertical Diffuse Angle(50%): V24.8

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 10645.09 cd

Total Rated Lamp Lumens: 2068.7 lm

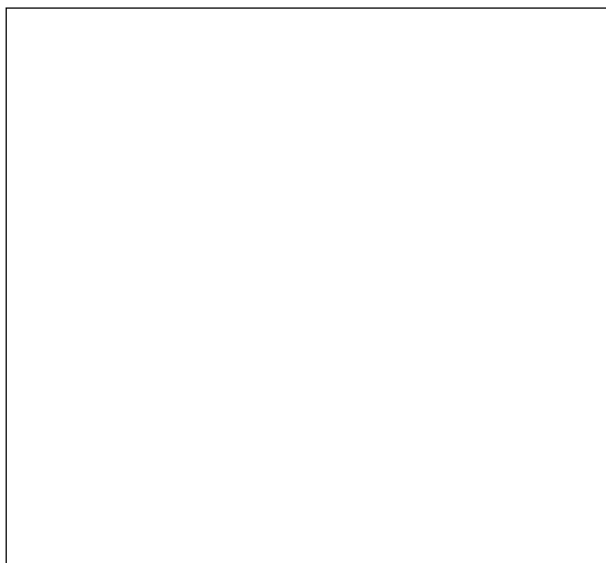
Efficiency: 100%

Upward Ratio: 0%

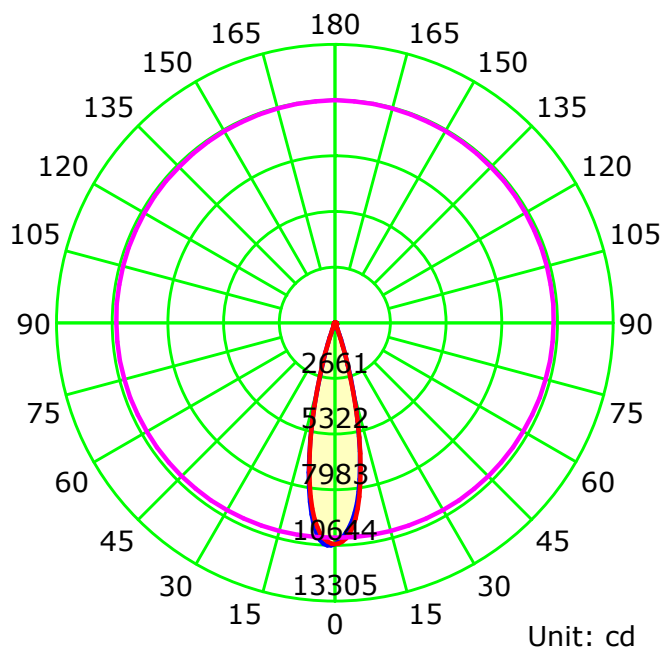
Central Intensity: 10574.03 cd

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

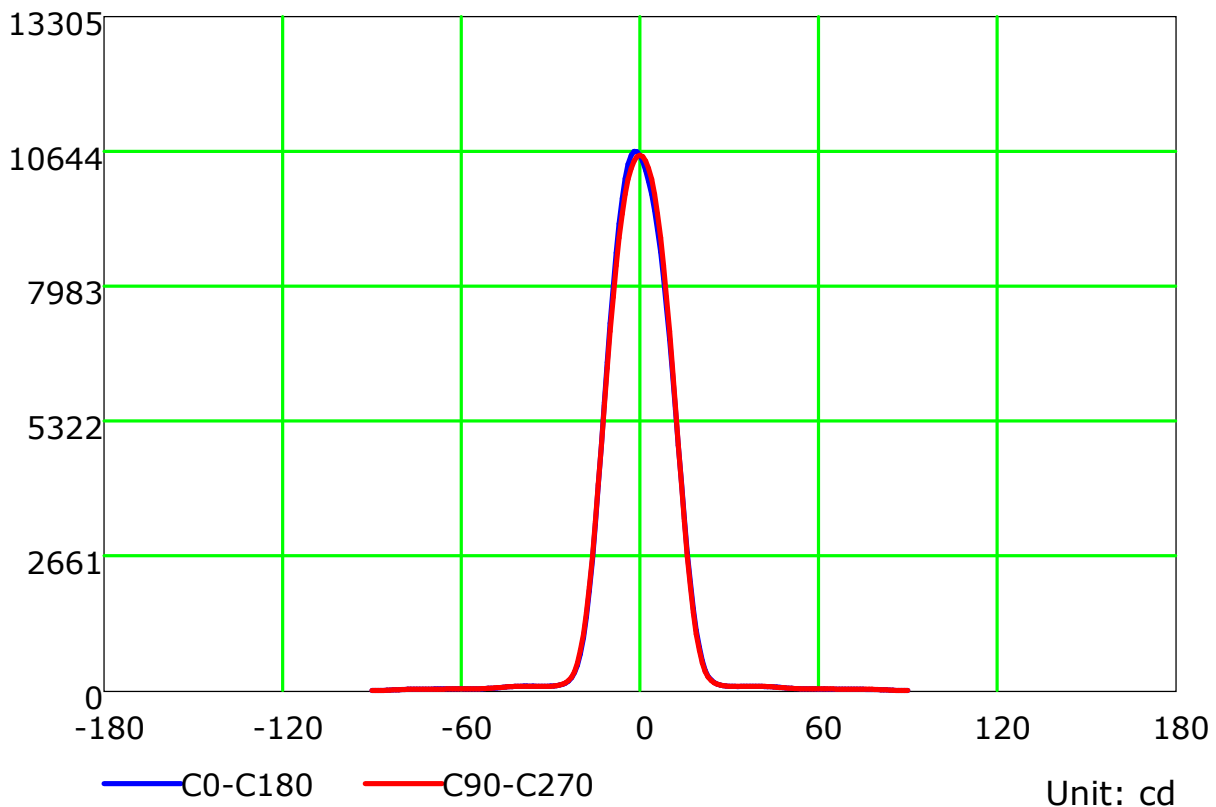
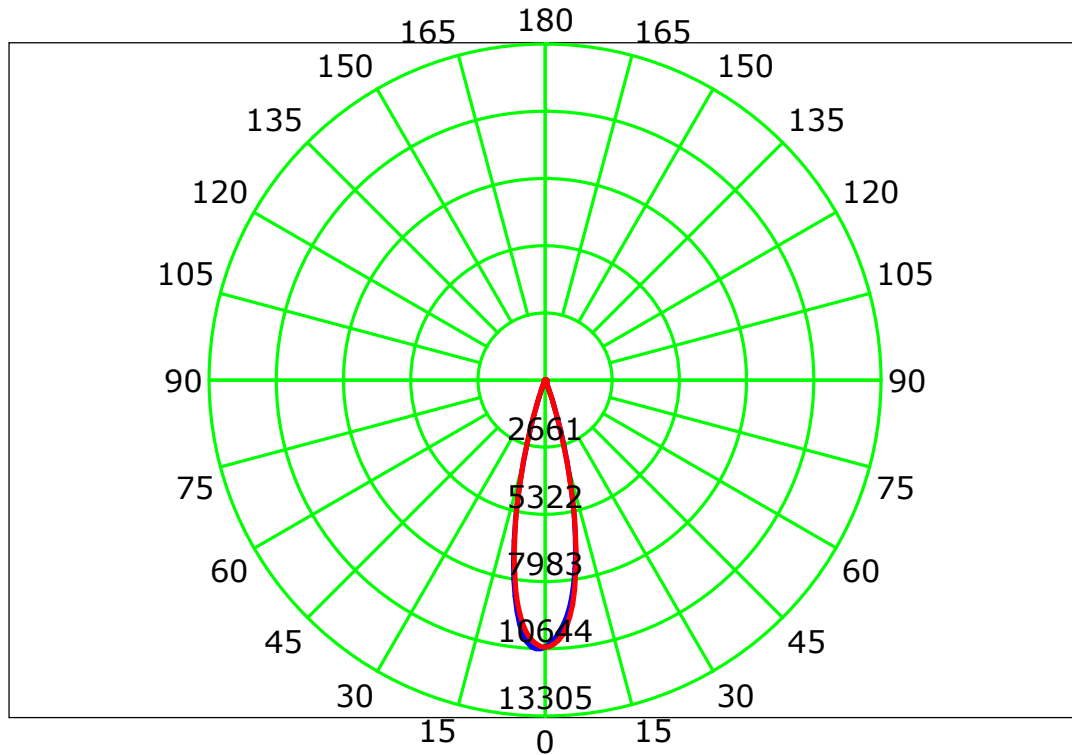
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

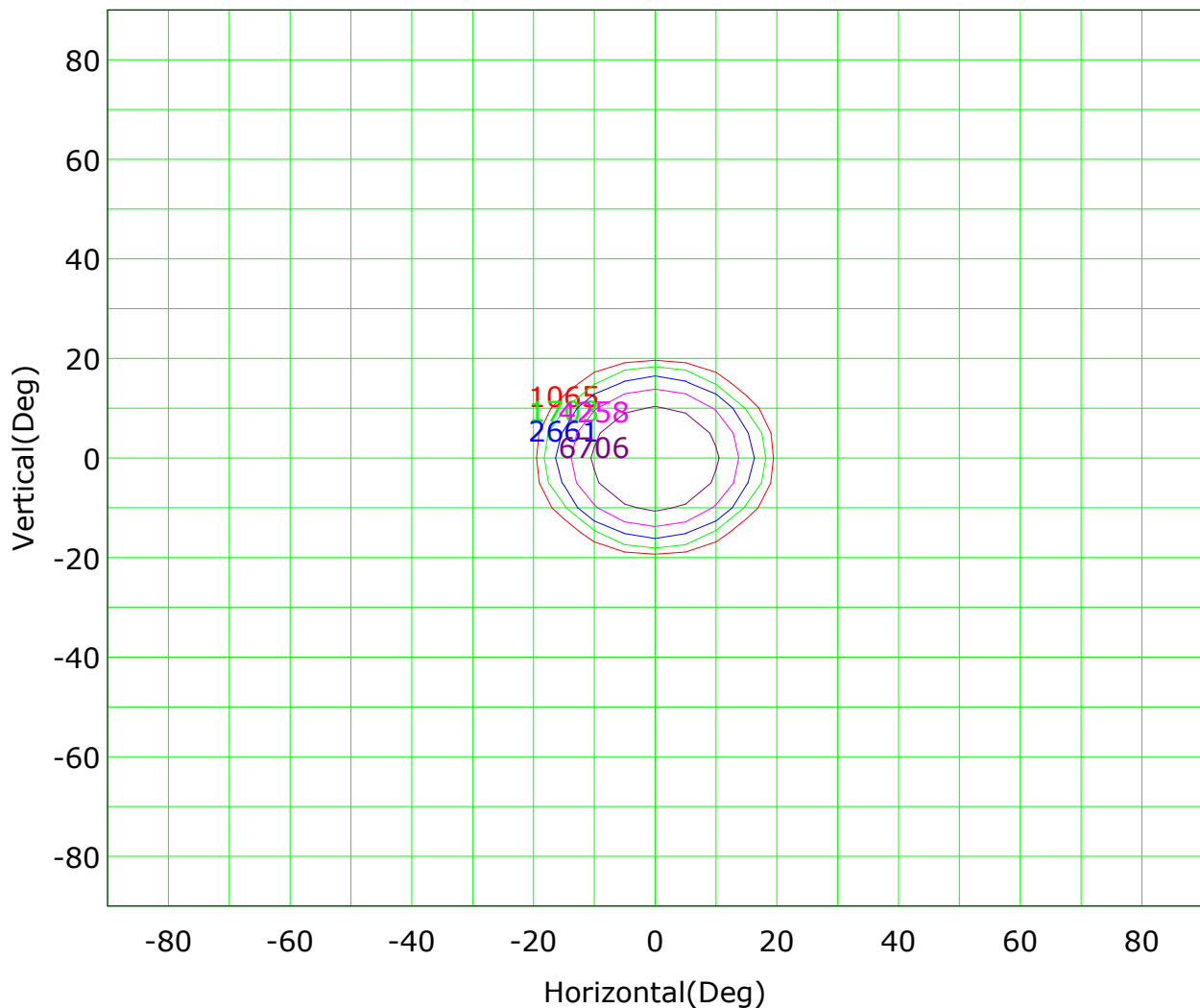
## Luminous Intensity Distribution Curve



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%): 10645 cd

( 10%): 1065 cd	( 16%): 1703 cd
( 25%): 2661 cd	( 40%): 4258 cd
( 63%): 6706 cd	(100%): 10645 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

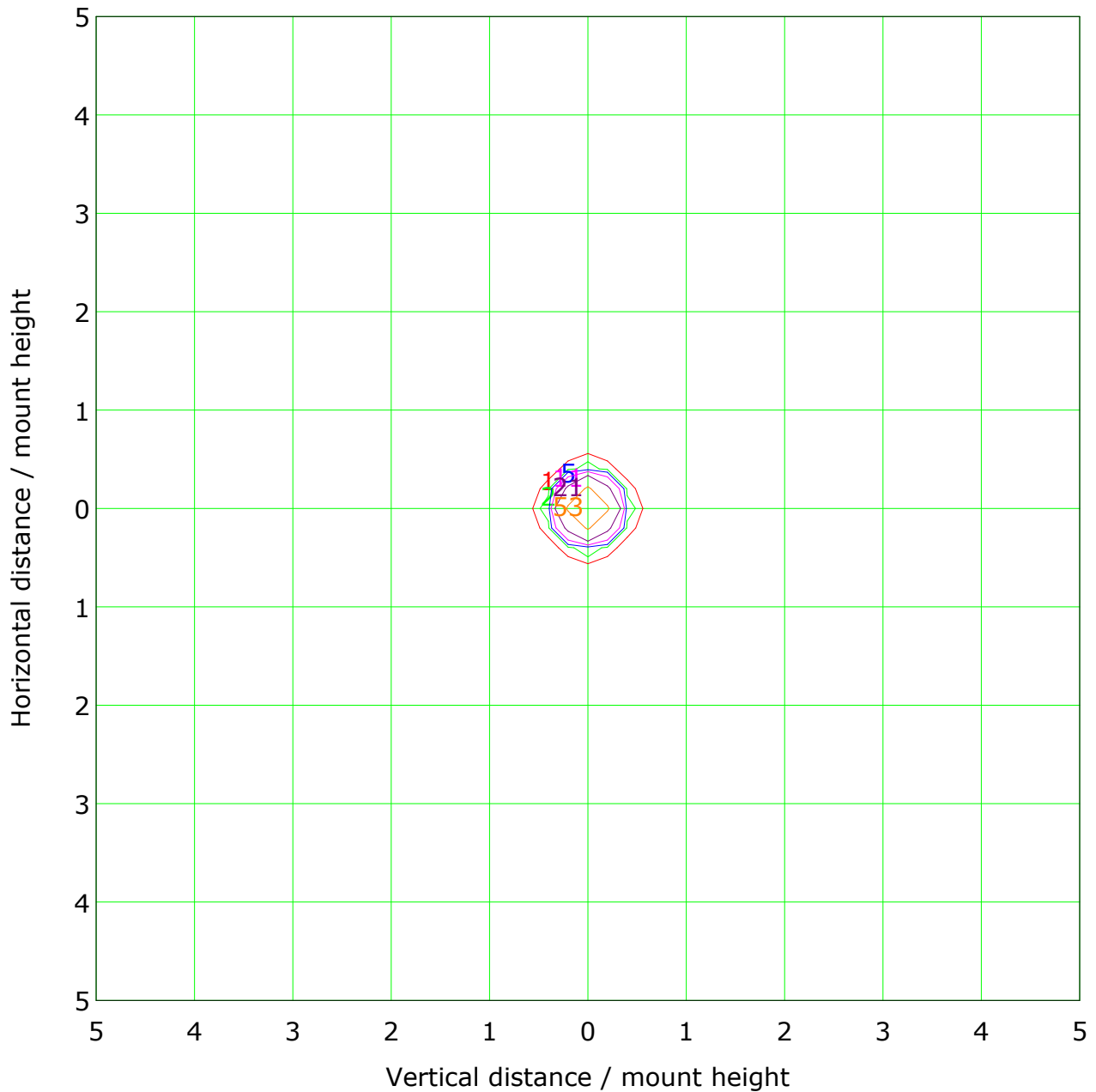
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 106 lx

( 1%):	1 lx	( 2%):	2 lx
( 5%):	5 lx	( 10%):	11 lx
( 20%):	21 lx	( 50%):	53 lx
(100%):	106 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

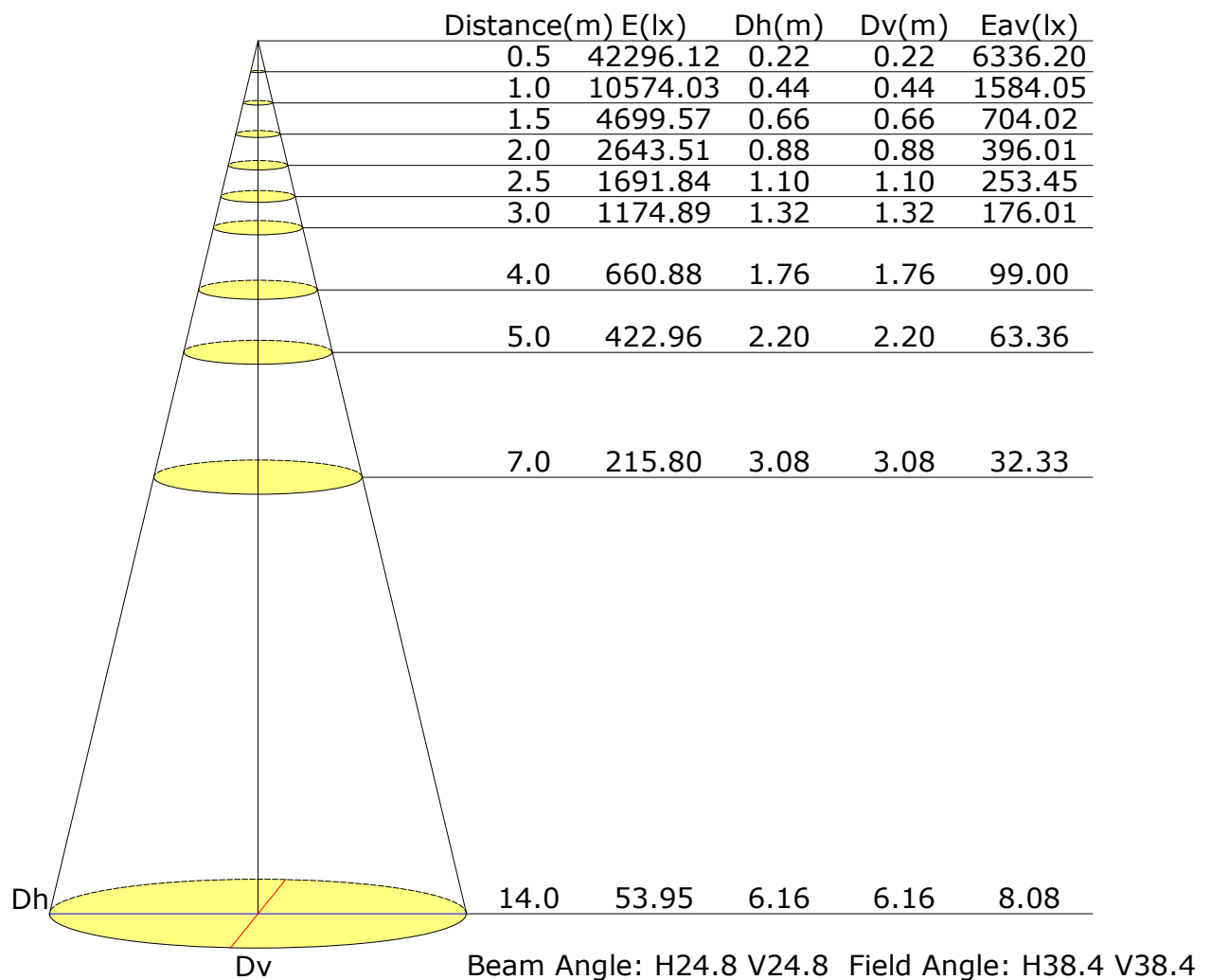
Test Device: CHL-6E

Distance: 3.328 m

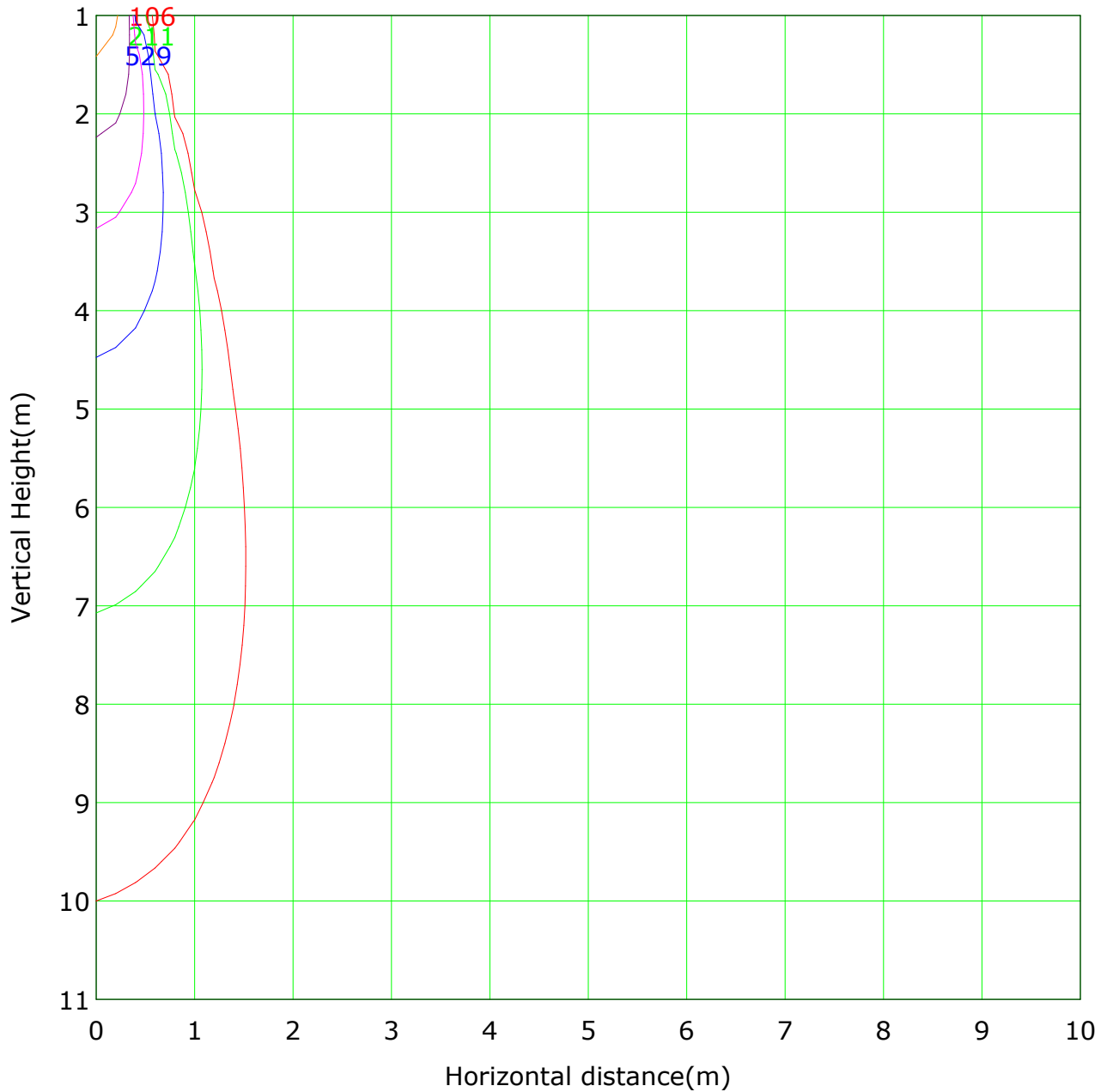
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



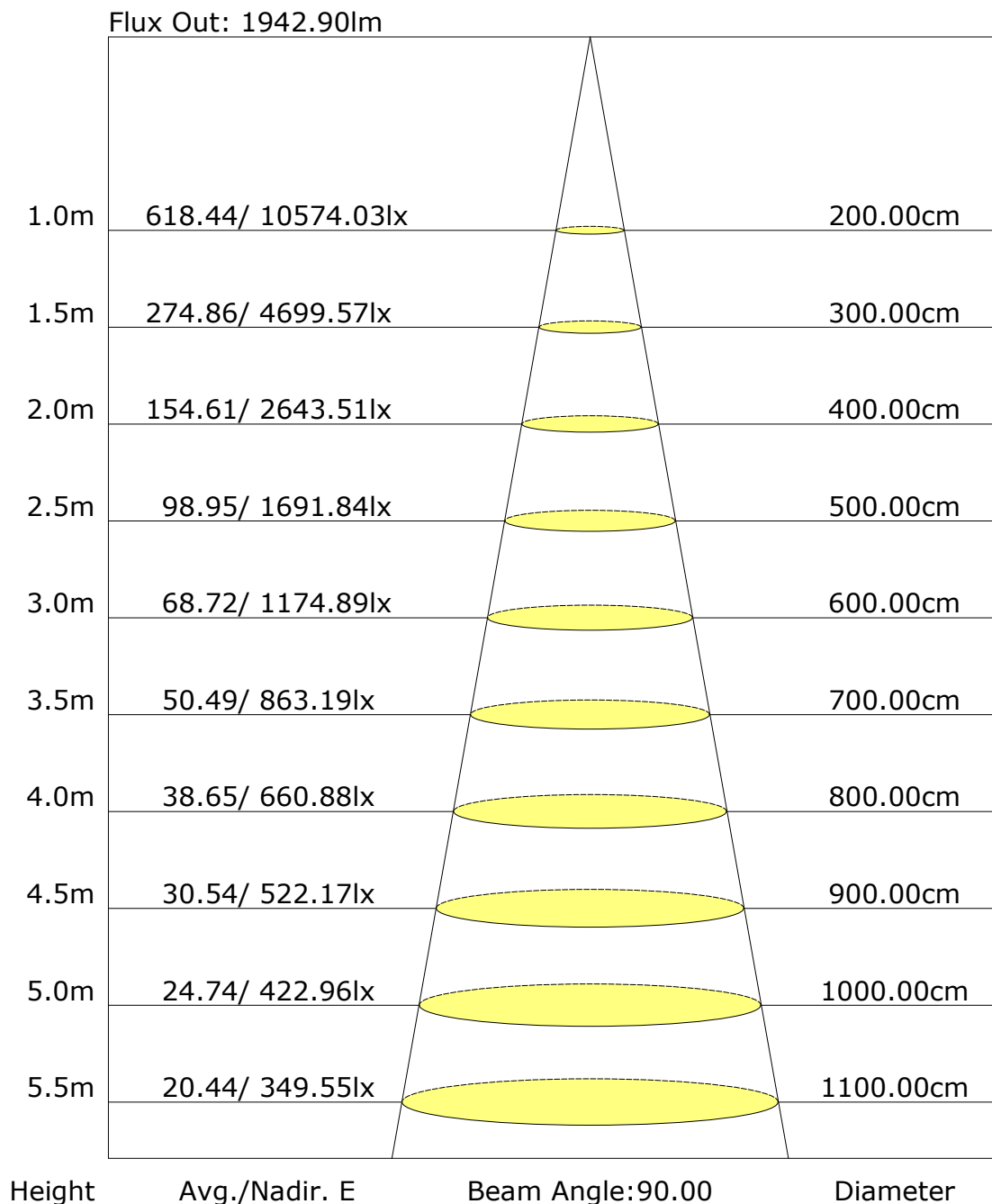
Lowest(m): 1m    Highest(m): 11    Max Lux: 10574

( 1%): 106 lx	( 2%): 211 lx
( 5%): 529 lx	( 10%): 1057 lx
( 20%): 2115 lx	( 50%): 5287 lx
(100%): 10574 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	10559.7	10.1	10.1	0.49	0.49
1.0-2.0	10502.7	30.1	40.3	1.46	1.95
2.0-3.0	10387.0	49.7	89.9	2.40	4.35
3.0-4.0	10206.6	68.3	158.3	3.30	7.65
4.0-5.0	9949.5	85.6	243.9	4.14	11.79
5.0-6.0	9606.9	101.0	344.8	4.88	16.67
6.0-7.0	9178.1	113.9	458.8	5.51	22.18
7.0-8.0	8667.9	124.1	582.9	6.00	28.18
8.0-9.0	8083.9	131.0	713.9	6.33	34.51
9.0-10.0	7434.7	134.6	848.4	6.50	41.01
10.0-11.0	6733.4	134.6	983.0	6.50	47.52
11.0-12.0	5997.3	131.1	1114.1	6.34	53.86
12.0-13.0	5236.2	124.3	1238.4	6.01	59.86
13.0-14.0	4466.1	114.3	1352.7	5.53	65.39
14.0-15.0	3712.8	101.9	1454.7	4.93	70.32
15.0-16.0	2997.6	87.8	1542.5	4.25	74.57
16.0-17.0	2349.3	73.2	1615.7	3.54	78.10
17.0-18.0	1792.1	59.1	1674.8	2.86	80.96
18.0-19.0	1328.3	46.2	1721.0	2.23	83.19
19.0-20.0	954.9	35.0	1756.0	1.69	84.88
20.0-21.0	668.2	25.7	1781.6	1.24	86.12
21.0-22.0	461.6	18.6	1800.2	0.90	87.02
22.0-23.0	321.9	13.5	1813.7	0.65	87.67
23.0-24.0	232.8	10.2	1823.9	0.49	88.17
24.0-25.0	177.6	8.1	1831.9	0.39	88.56
25.0-26.0	142.1	6.7	1838.7	0.32	88.88
26.0-27.0	119.1	5.8	1844.5	0.28	89.16
27.0-28.0	102.8	5.2	1849.7	0.25	89.41
28.0-29.0	92.6	4.8	1854.5	0.23	89.65
29.0-30.0	88.2	4.8	1859.3	0.23	89.88
30.0-31.0	85.7	4.8	1864.1	0.23	90.11
31.0-32.0	84.5	4.8	1868.9	0.23	90.34
32.0-33.0	84.2	5.0	1873.9	0.24	90.58
33.0-34.0	84.2	5.1	1879.0	0.25	90.83
34.0-35.0	84.8	5.3	1884.2	0.25	91.08
35.0-36.0	86.0	5.5	1889.7	0.26	91.35

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	86.6	5.7	1895.3	0.27	91.62
37.0-38.0	86.6	5.8	1901.1	0.28	91.90
38.0-39.0	87.3	6.0	1907.1	0.29	92.19
39.0-40.0	86.3	6.0	1913.1	0.29	92.48
40.0-41.0	85.1	6.1	1919.2	0.29	92.77
41.0-42.0	83.5	6.1	1925.2	0.29	93.07
42.0-43.0	81.0	6.0	1931.2	0.29	93.36
43.0-44.0	78.5	5.9	1937.2	0.29	93.64
44.0-45.0	74.5	5.7	1942.9	0.28	93.92
45.0-46.0	70.1	5.5	1948.4	0.27	94.19
46.0-47.0	65.8	5.2	1953.6	0.25	94.44
47.0-48.0	60.2	4.9	1958.5	0.24	94.67
48.0-49.0	54.5	4.5	1963.0	0.22	94.89
49.0-50.0	50.2	4.2	1967.1	0.20	95.09
50.0-51.0	46.8	4.0	1971.1	0.19	95.28
51.0-52.0	43.0	3.7	1974.8	0.18	95.46
52.0-53.0	39.6	3.4	1978.2	0.17	95.63
53.0-54.0	36.5	3.2	1981.4	0.16	95.78
54.0-55.0	34.9	3.1	1984.6	0.15	95.93
55.0-56.0	34.3	3.1	1987.7	0.15	96.08
56.0-57.0	33.7	3.1	1990.7	0.15	96.23
57.0-58.0	33.7	3.1	1993.9	0.15	96.38
58.0-59.0	33.0	3.1	1996.9	0.15	96.53
59.0-60.0	32.4	3.1	2000.0	0.15	96.68
60.0-61.0	32.4	3.1	2003.1	0.15	96.83
61.0-62.0	32.7	3.2	2006.3	0.15	96.98
62.0-63.0	33.0	3.2	2009.5	0.16	97.14
63.0-64.0	32.7	3.2	2012.7	0.16	97.29
64.0-65.0	32.1	3.2	2015.9	0.15	97.45
65.0-66.0	31.5	3.1	2019.0	0.15	97.60
66.0-67.0	31.2	3.1	2022.1	0.15	97.75
67.0-68.0	31.2	3.2	2025.3	0.15	97.90
68.0-69.0	31.2	3.2	2028.5	0.15	98.06
69.0-70.0	30.5	3.1	2031.6	0.15	98.21
70.0-71.0	29.6	3.1	2034.7	0.15	98.36
71.0-72.0	29.0	3.0	2037.7	0.15	98.50

C Plane (°):0.0-180.0: 180.0  
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	10574.0	10574.0								
G1.0	10448.1	10642.6								
G2.0	10274.8	10645.1								
G3.0	10057.9	10570.3								
G4.0	9802.4	10395.8								
G5.0	9485.7	10114.0								
G6.0	9108.0	9720.1								
G7.0	8662.9	9221.4								
G8.0	8145.6	8641.7								
G9.0	7564.6	7983.5								
G10.0	6936.3	7254.2								
G11.0	6260.6	6482.5								
G12.0	5558.8	5687.2								
G13.0	4839.5	4859.4								
G14.0	4111.4	4054.1								
G15.0	3394.6	3291.1								
G16.0	2720.2	2584.3								
G17.0	2124.3	1968.4								
G18.0	1615.7	1459.8								
G19.0	1193.0	1044.7								
G20.0	855.2	726.8								
G21.0	588.4	502.4								
G22.0	401.4	354.0								
G23.0	279.3	253.1								
G24.0	209.4	189.5								
G25.0	160.8	150.8								
G26.0	130.9	125.9								
G27.0	109.7	109.7								
G28.0	96.0	96.0								
G29.0	88.5	89.8								
G30.0	86.0	88.5								
G31.0	83.5	84.8								
G32.0	83.5	86.0								
G33.0	81.0	86.0								
G34.0	82.3	87.3								
G35.0	83.5	86.0								
G36.0	86.0	88.5								

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: 3.328 m

Humidity:

Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	84.8	87.3								
G38.0	86.0	88.5								
G39.0	86.0	88.5								
G40.0	84.8	86.0								
G41.0	83.5	86.0								
G42.0	81.0	83.5								
G43.0	79.8	79.8								
G44.0	78.5	76.1								
G45.0	73.6	69.8								
G46.0	69.8	67.3								
G47.0	64.8	61.1								
G48.0	59.8	54.8								
G49.0	53.6	49.9								
G50.0	49.9	47.4								
G51.0	44.9	44.9								
G52.0	42.4	39.9								
G53.0	38.7	37.4								
G54.0	33.7	36.2								
G55.0	34.9	34.9								
G56.0	32.4	34.9								
G57.0	32.4	34.9								
G58.0	32.4	34.9								
G59.0	32.4	32.4								
G60.0	31.2	33.7								
G61.0	29.9	34.9								
G62.0	32.4	33.7								
G63.0	31.2	34.9								
G64.0	29.9	34.9								
G65.0	29.9	33.7								
G66.0	29.9	32.4								
G67.0	29.9	32.4								
G68.0	29.9	32.4								
G69.0	29.9	32.4								
G70.0	28.7	31.2								
G71.0	28.7	29.9								
G72.0	27.4	29.9								
G73.0	26.2	29.9								

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:

## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
Distance: 3.328 m  
Humidity:  
Inspector: