

Report No.: AX-TL-LU-23W-084  
Track Light

Test Time: 2024-09-26 23:59

## Luminaire Property

Luminaire Category:

Voltage: 238.8 V

Power: 20.20 W

Current: 0.090 A

Power Factor: 0.936

## Photometric Results

CIE Class: Direct

Measurement Flux: 2809.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H43

Vertical Diffuse Angle(50%): V43

Luminaire Efficacy Rating (LER): 139

Max. Intensity: 5294.5 cd

Total Rated Lamp Lumens: 2809.7 lm

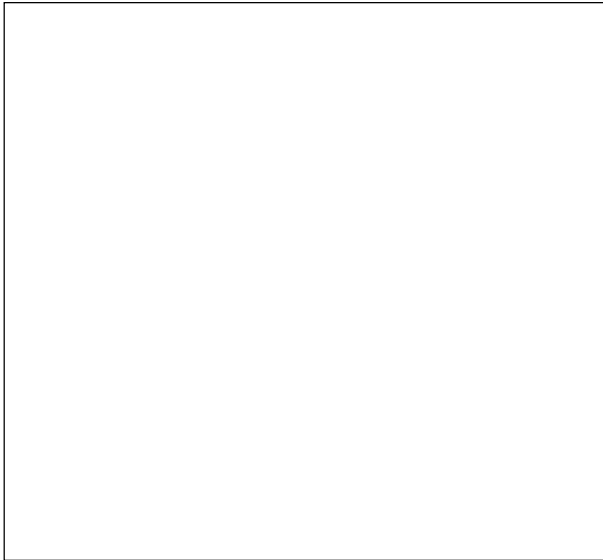
Efficiency: 100%

Upward Ratio: 0%

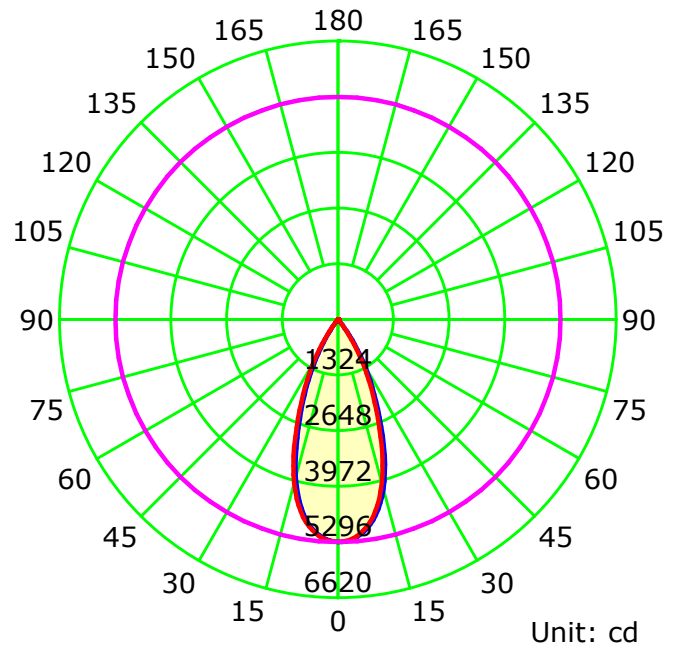
Central Intensity: 5294.49 cd

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

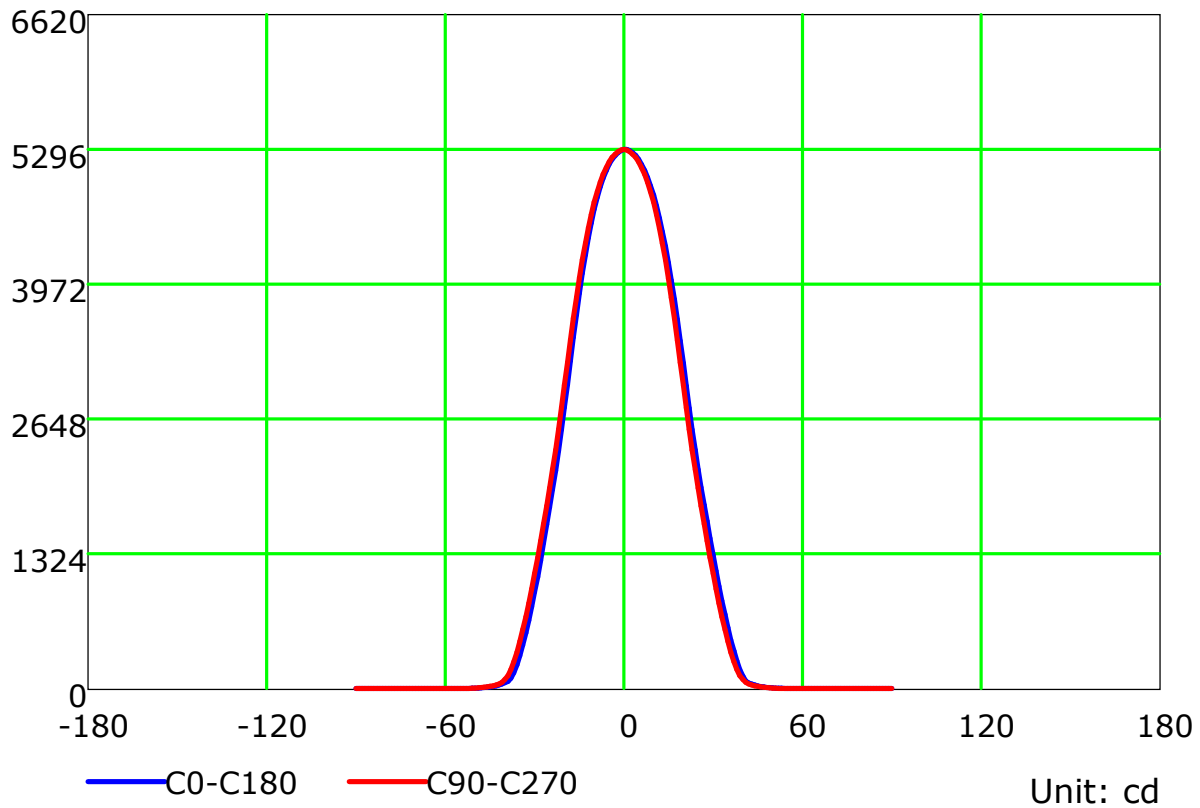
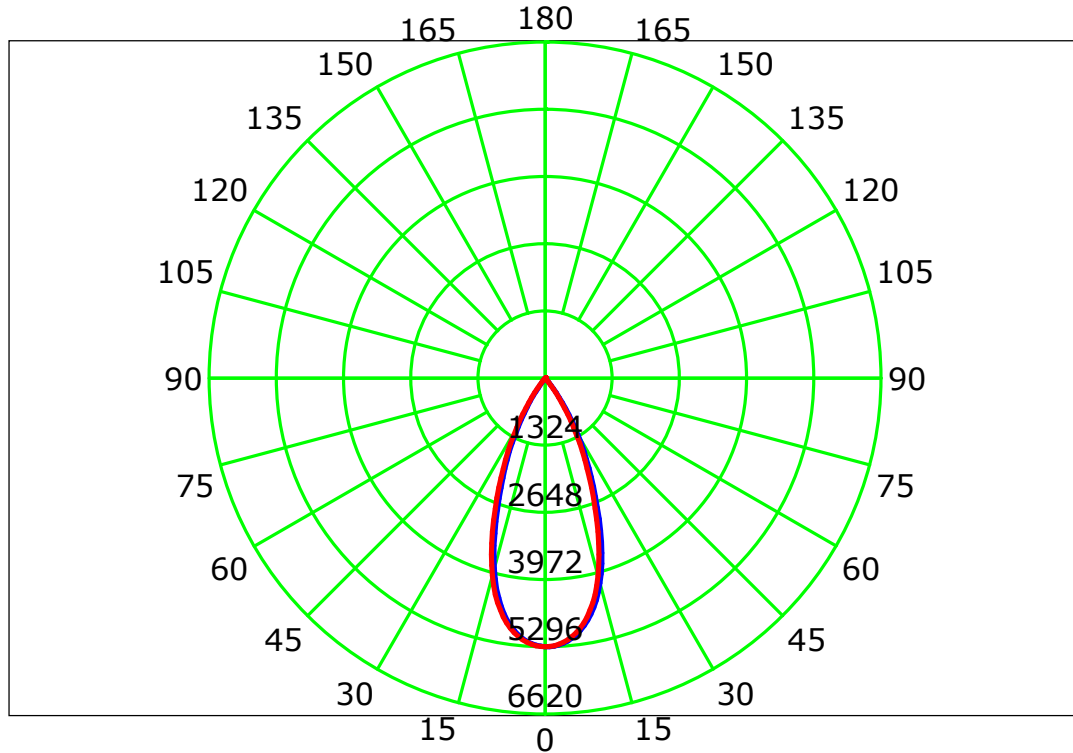
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

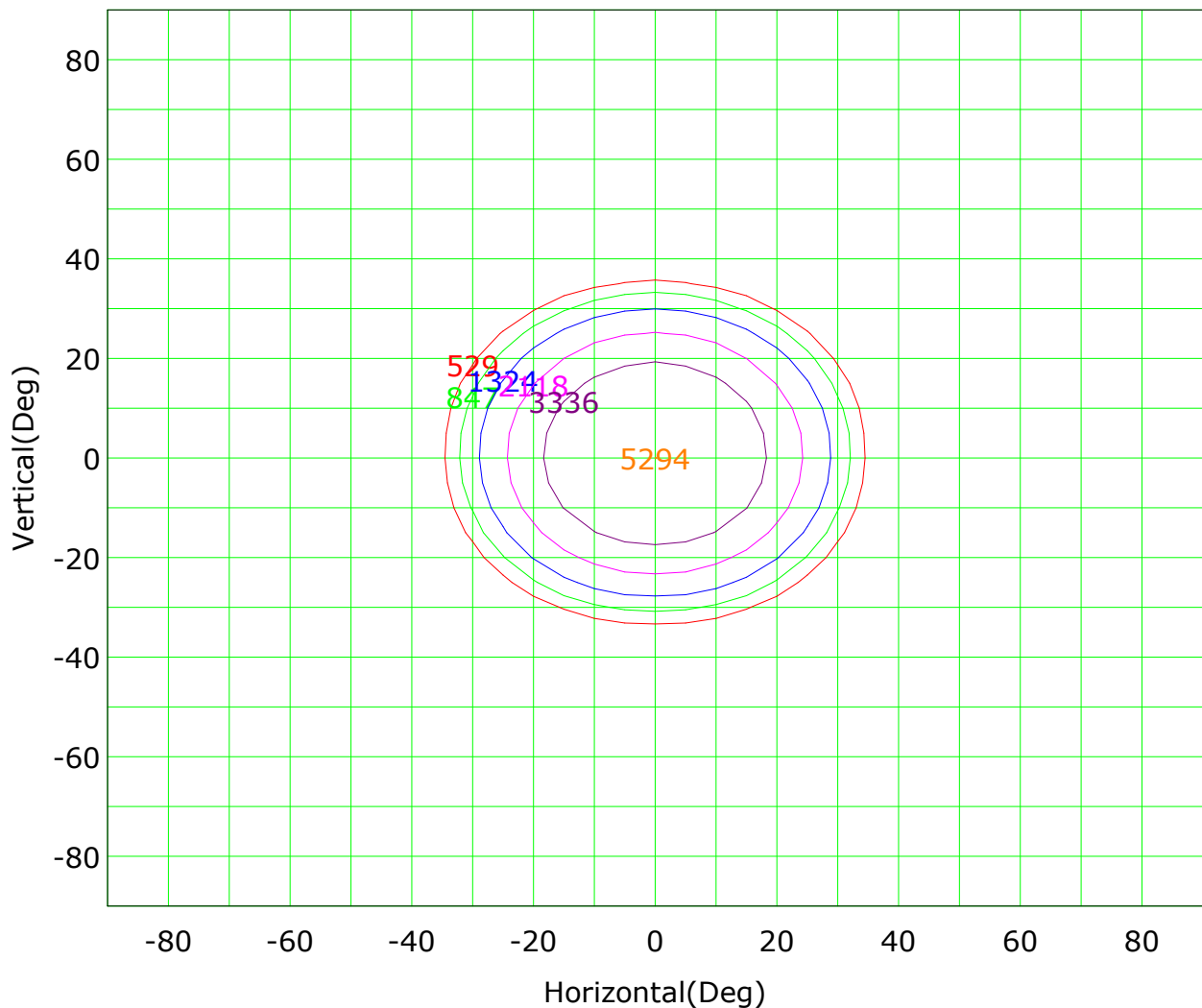
## Luminous Intensity Distribution Curve



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)



I<sub>max</sub> (100%): 5294 cd

( 10%): 529 cd	( 16%): 847 cd
( 25%): 1324 cd	( 40%): 2118 cd
( 63%): 3336 cd	(100%): 5294 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

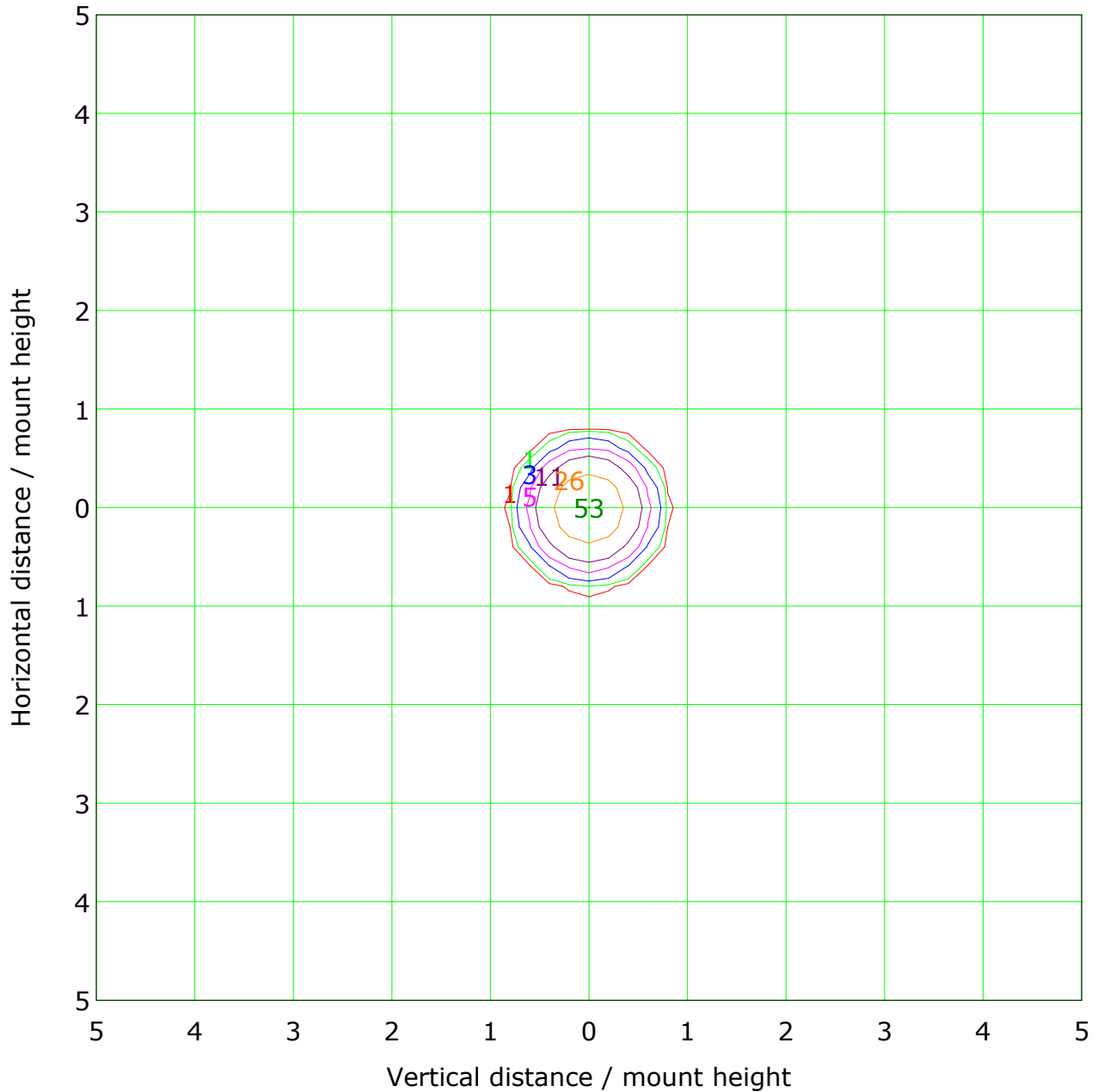
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 53 lx	
( 1%):	1 lx	( 2%):	1 lx
( 5%):	3 lx	( 10%):	5 lx
( 20%):	11 lx	( 50%):	26 lx
(100%):	53 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

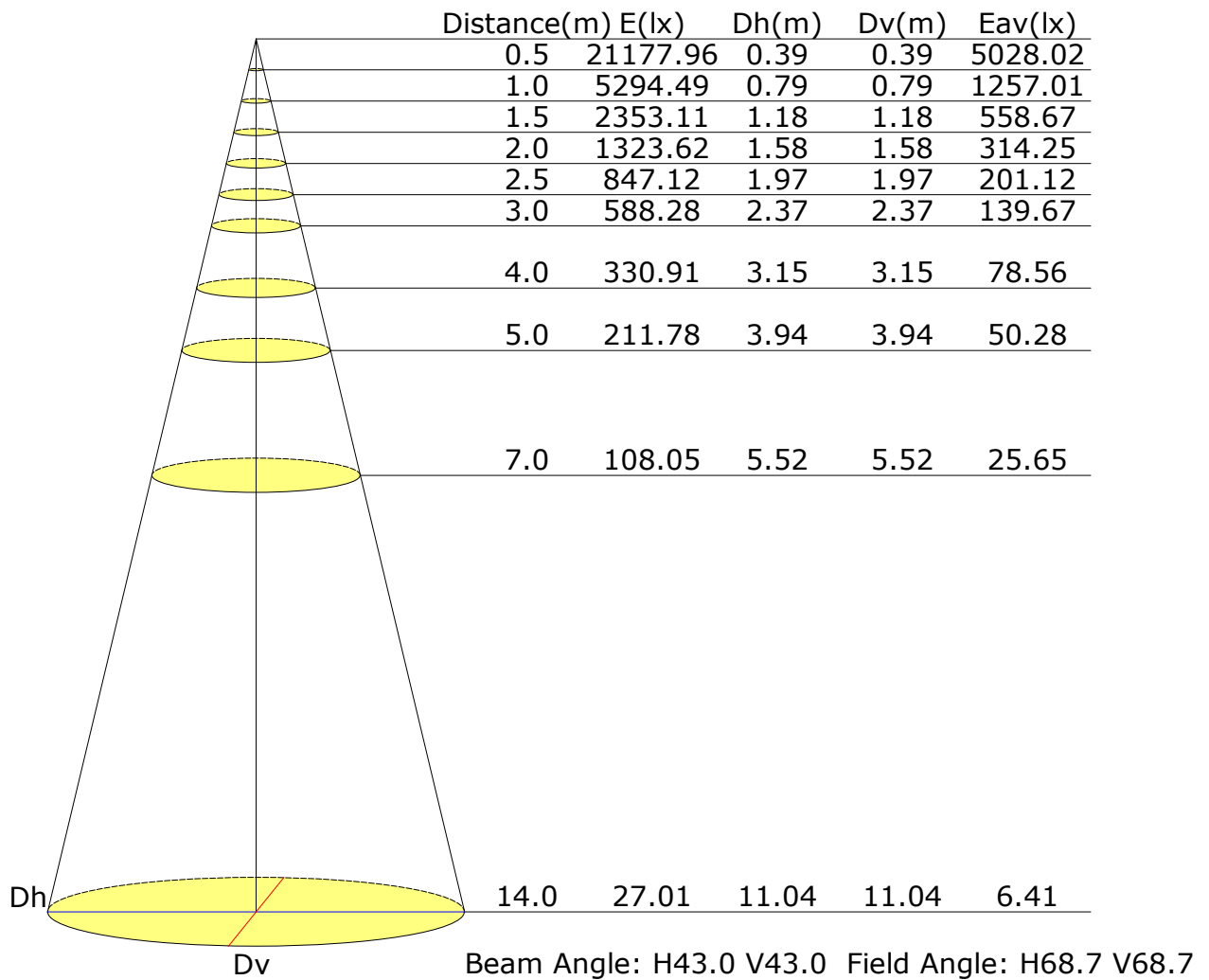
Test Device: CHL-6E

Distance: 3.328 m

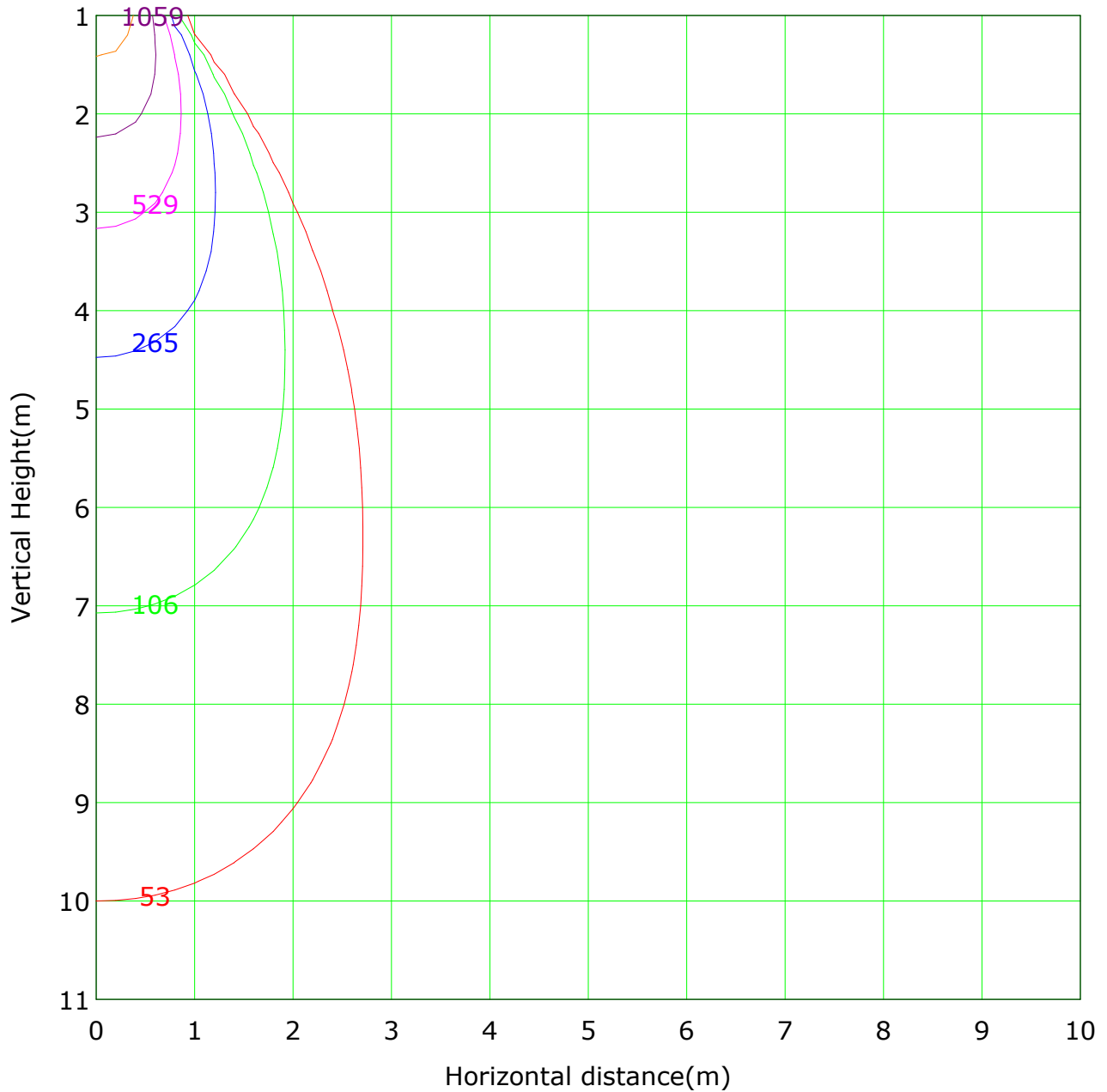
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



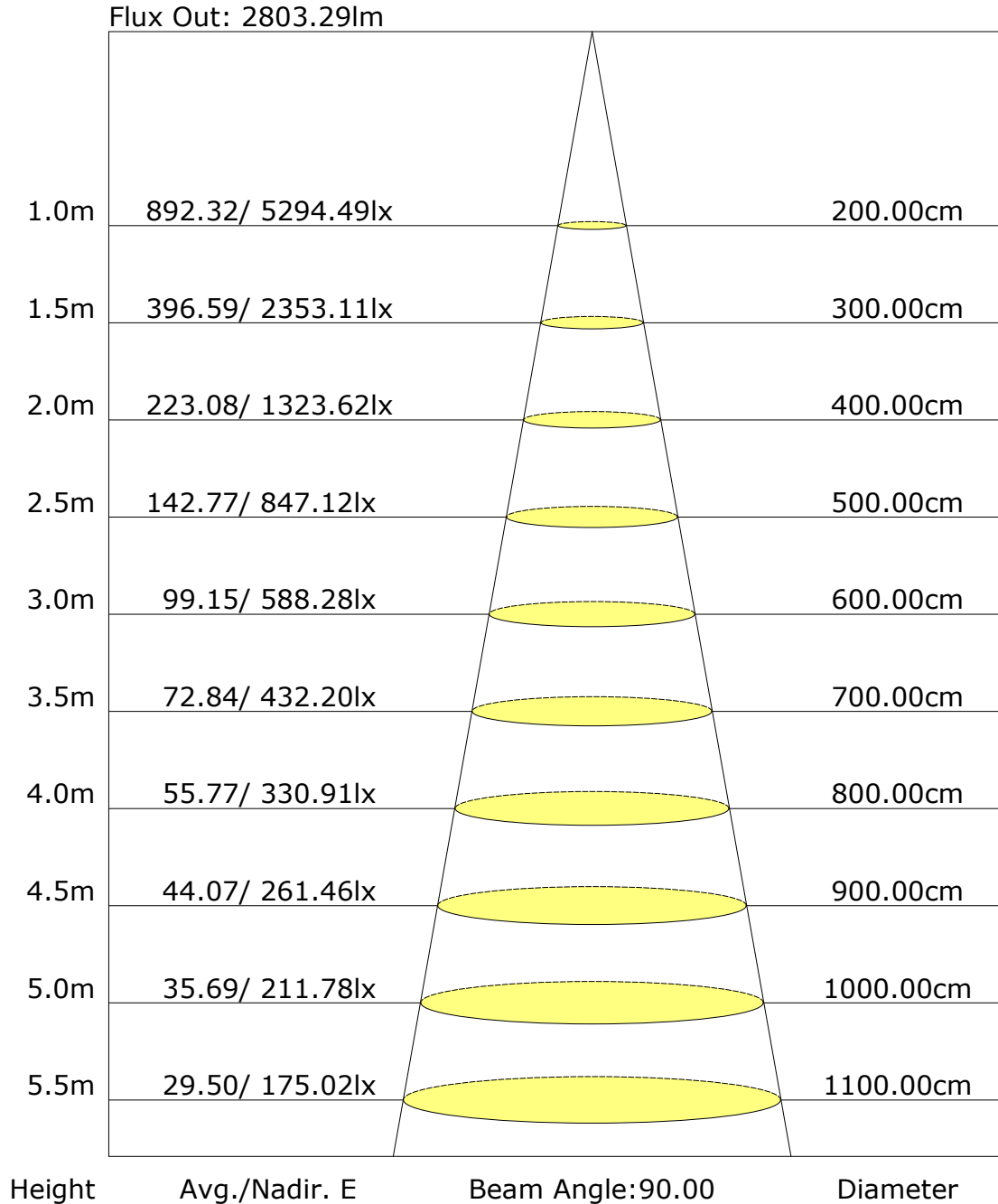
Lowest(m): 1m Highest(m): 11 Max Lux: 5294

( 1%): 53 lx	( 2%): 106 lx
( 5%): 265 lx	( 10%): 529 lx
( 20%): 1059 lx	( 50%): 2647 lx
(100%): 5294 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	5291.7	5.1	5.1	0.18	0.18
1.0-2.0	5282.0	15.2	20.2	0.54	0.72
2.0-3.0	5262.7	25.2	45.4	0.90	1.62
3.0-4.0	5234.0	35.0	80.4	1.25	2.86
4.0-5.0	5195.7	44.7	125.1	1.59	4.45
5.0-6.0	5145.8	54.1	179.2	1.92	6.38
6.0-7.0	5084.7	63.1	242.4	2.25	8.63
7.0-8.0	5012.1	71.7	314.1	2.55	11.18
8.0-9.0	4927.7	79.9	394.0	2.84	14.02
9.0-10.0	4829.8	87.4	481.4	3.11	17.13
10.0-11.0	4716.7	94.3	575.6	3.35	20.49
11.0-12.0	4589.5	100.3	676.0	3.57	24.06
12.0-13.0	4448.6	105.6	781.6	3.76	27.82
13.0-14.0	4292.8	109.9	891.5	3.91	31.73
14.0-15.0	4122.0	113.2	1004.6	4.03	35.76
15.0-16.0	3936.9	115.4	1120.0	4.11	39.86
16.0-17.0	3739.0	116.5	1236.5	4.14	44.01
17.0-18.0	3530.2	116.4	1352.9	4.14	48.15
18.0-19.0	3312.6	115.3	1468.1	4.10	52.25
19.0-20.0	3090.4	113.1	1581.3	4.03	56.28
20.0-21.0	2868.8	110.2	1691.4	3.92	60.20
21.0-22.0	2652.5	106.6	1798.1	3.79	63.99
22.0-23.0	2445.0	102.6	1900.7	3.65	67.65
23.0-24.0	2247.4	98.3	1998.9	3.50	71.14
24.0-25.0	2060.1	93.7	2092.6	3.33	74.48
25.0-26.0	1881.8	88.8	2181.5	3.16	77.64
26.0-27.0	1706.7	83.5	2265.0	2.97	80.61
27.0-28.0	1535.6	77.8	2342.7	2.77	83.38
28.0-29.0	1369.8	71.7	2414.4	2.55	85.93
29.0-30.0	1208.6	65.3	2479.7	2.32	88.25
30.0-31.0	1055.3	58.7	2538.4	2.09	90.34
31.0-32.0	909.7	52.1	2590.5	1.86	92.20
32.0-33.0	772.3	45.5	2636.0	1.62	93.82
33.0-34.0	642.3	38.9	2674.9	1.38	95.20
34.0-35.0	520.8	32.3	2707.2	1.15	96.35
35.0-36.0	409.2	26.1	2733.3	0.93	97.28

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:

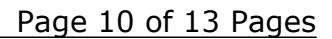


## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	309.5	20.2	2753.5	0.72	98.00
37.0-38.0	225.0	15.0	2768.5	0.53	98.53
38.0-39.0	157.4	10.7	2779.3	0.38	98.92
39.0-40.0	108.1	7.5	2786.8	0.27	99.18
40.0-41.0	74.2	5.3	2792.1	0.19	99.37
41.0-42.0	52.7	3.8	2795.9	0.14	99.51
42.0-43.0	40.8	3.0	2798.9	0.11	99.62
43.0-44.0	32.1	2.4	2801.4	0.09	99.70
44.0-45.0	25.2	1.9	2803.3	0.07	99.77
45.0-46.0	19.9	1.6	2804.9	0.06	99.83
46.0-47.0	15.6	1.2	2806.1	0.04	99.87
47.0-48.0	12.2	1.0	2807.1	0.03	99.91
48.0-49.0	9.4	0.8	2807.8	0.03	99.93
49.0-50.0	6.9	0.6	2808.4	0.02	99.95
50.0-51.0	5.3	0.4	2808.9	0.02	99.97
51.0-52.0	4.1	0.3	2809.2	0.01	99.98
52.0-53.0	3.1	0.3	2809.5	0.01	99.99
53.0-54.0	1.9	0.2	2809.6	0.01	100.00
54.0-55.0	0.6	0.1	2809.7	0.00	100.00
55.0-56.0	0.3	0.0	2809.7	0.00	100.00
56.0-57.0	0.0	0.0	2809.7	0.00	100.00
57.0-58.0	0.0	0.0	2809.7	0.00	100.00
58.0-59.0	0.0	0.0	2809.7	0.00	100.00
59.0-60.0	0.0	0.0	2809.7	0.00	100.00
60.0-61.0	0.0	0.0	2809.7	0.00	100.00
61.0-62.0	0.0	0.0	2809.7	0.00	100.00
62.0-63.0	0.0	0.0	2809.7	0.00	100.00
63.0-64.0	0.0	0.0	2809.7	0.00	100.00
64.0-65.0	0.0	0.0	2809.7	0.00	100.00
65.0-66.0	0.0	0.0	2809.7	0.00	100.00
66.0-67.0	0.0	0.0	2809.7	0.00	100.00
67.0-68.0	0.0	0.0	2809.7	0.00	100.00
68.0-69.0	0.0	0.0	2809.7	0.00	100.00
69.0-70.0	0.0	0.0	2809.7	0.00	100.00
70.0-71.0	0.0	0.0	2809.7	0.00	100.00
71.0-72.0	0.0	0.0	2809.7	0.00	100.00

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	5294.5	5294.5								
G1.0	5294.5	5283.3								
G2.0	5284.5	5265.8								
G3.0	5263.3	5237.1								
G4.0	5235.9	5199.8								
G5.0	5197.3	5149.9								
G6.0	5147.4	5088.8								
G7.0	5088.8	5014.0								
G8.0	5019.0	4926.7								
G9.0	4938.0	4827.0								
G10.0	4845.7	4708.6								
G11.0	4739.7	4572.7								
G12.0	4618.8	4426.8								
G13.0	4487.9	4261.0								
G14.0	4342.1	4080.3								
G15.0	4182.5	3883.3								
G16.0	4009.2	3672.6								
G17.0	3822.2	3451.9								
G18.0	3625.2	3221.3								
G19.0	3415.8	2988.2								
G20.0	3196.4	2761.3								
G21.0	2973.2	2544.4								
G22.0	2756.3	2336.2								
G23.0	2544.4	2143.0								
G24.0	2343.7	1958.5								
G25.0	2152.9	1785.2								
G26.0	1975.9	1613.2								
G27.0	1803.9	1433.6								
G28.0	1644.3	1260.4								
G29.0	1474.8	1099.5								
G30.0	1309.0	951.2								
G31.0	1154.4	806.6								
G32.0	1006.0	671.9								
G33.0	862.7	548.5								
G34.0	728.0	430.1								
G35.0	598.4	326.6								
G36.0	477.5	234.4								

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:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	369.0	157.1								
G38.0	271.8	102.2								
G39.0	185.8	69.8								
G40.0	119.7	57.3								
G41.0	74.8	44.9								
G42.0	56.1	34.9								
G43.0	44.9	27.4								
G44.0	34.9	21.2								
G45.0	26.2	18.7								
G46.0	21.2	13.7								
G47.0	17.5	10.0								
G48.0	12.5	8.7								
G49.0	10.0	6.2								
G50.0	7.5	3.7								
G51.0	6.2	3.7								
G52.0	3.7	2.5								
G53.0	3.7	2.5								
G54.0	1.3	0.0								
G55.0	1.3	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

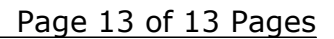
Gamma Plane (°):0.0-90.0:1.0

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: