

Report No.:

Test Time: 2024-08-28 16:02

Luminaire Property

Luminaire Category:

Luminaire Description: 51.03821 24D

Current: 0.136 A

Power Factor: 0.979

Voltage: 213.1 V

Power: 28.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1837.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H32.2

Vertical Diffuse Angle(50%): V32.2

Luminaire Efficacy Rating (LER): 64

Max. Intensity: 5648.55 cd

Total Rated Lamp Lumens: 1837.3 lm

Efficiency: 100%

Upward Ratio: 0%

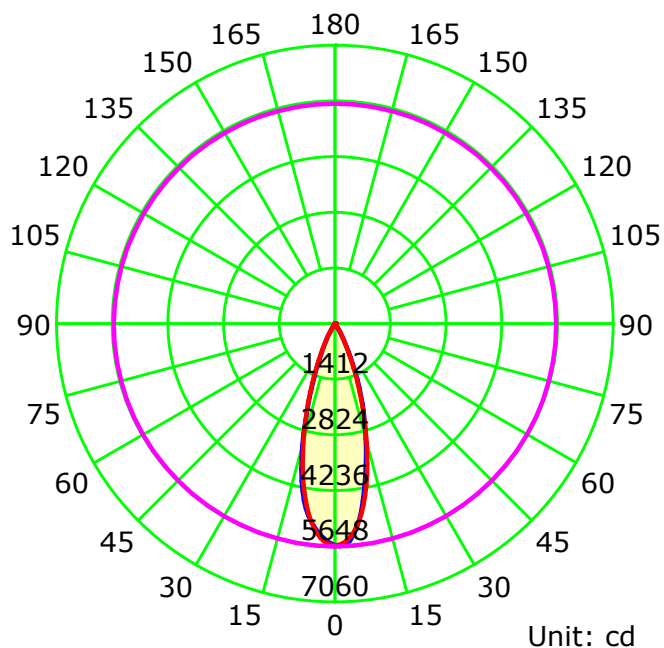
Central Intensity: 5618.62 cd

Pos of Max. Intensity: H0 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

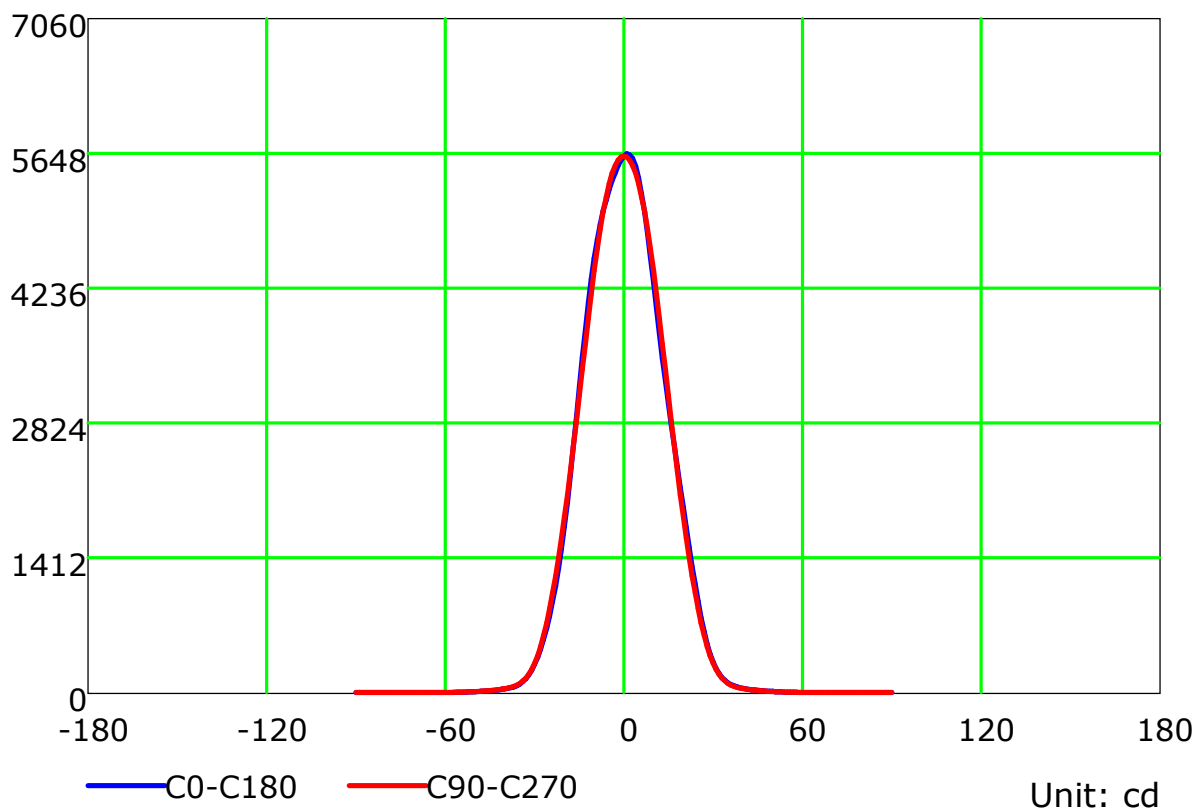
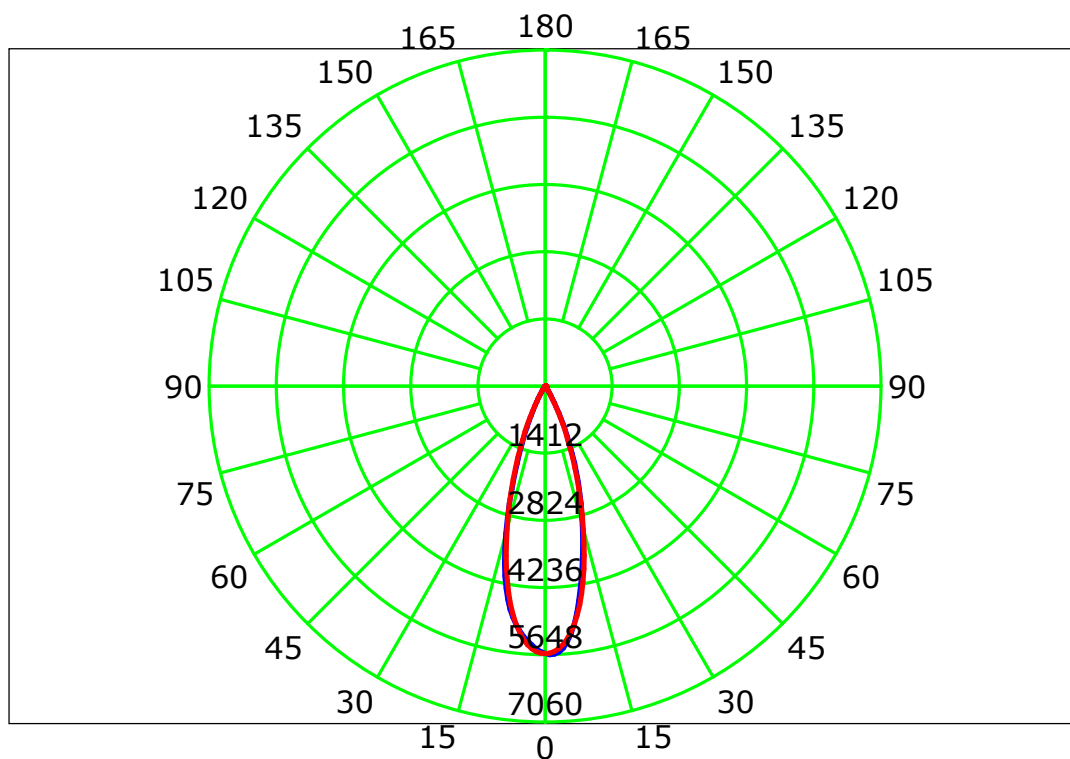
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

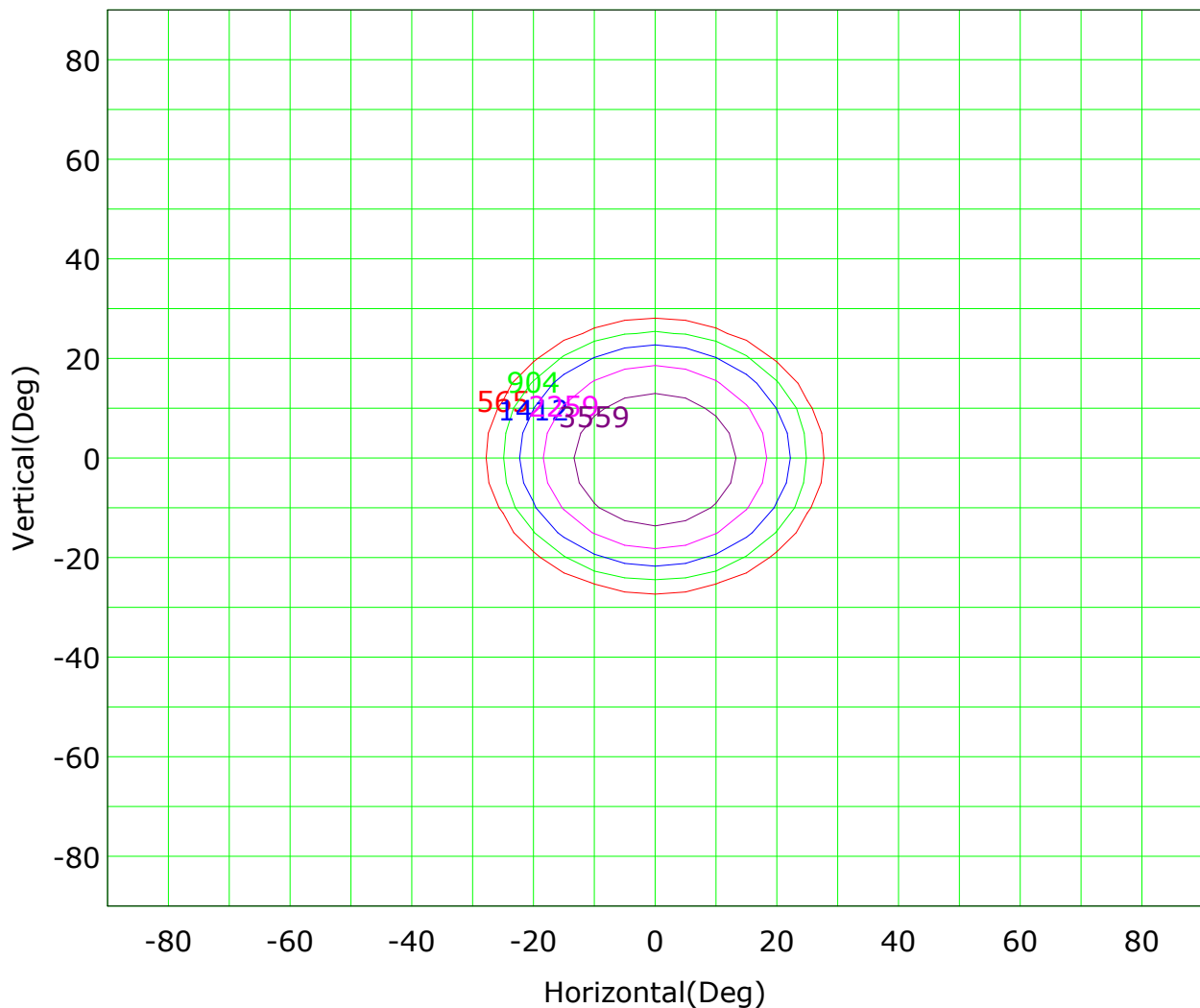
Luminous Intensity Distribution Curve



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%): 5649 cd

(10%): 565 cd	(16%): 904 cd
(25%): 1412 cd	(40%): 2259 cd
(63%): 3559 cd	(100%): 5649 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

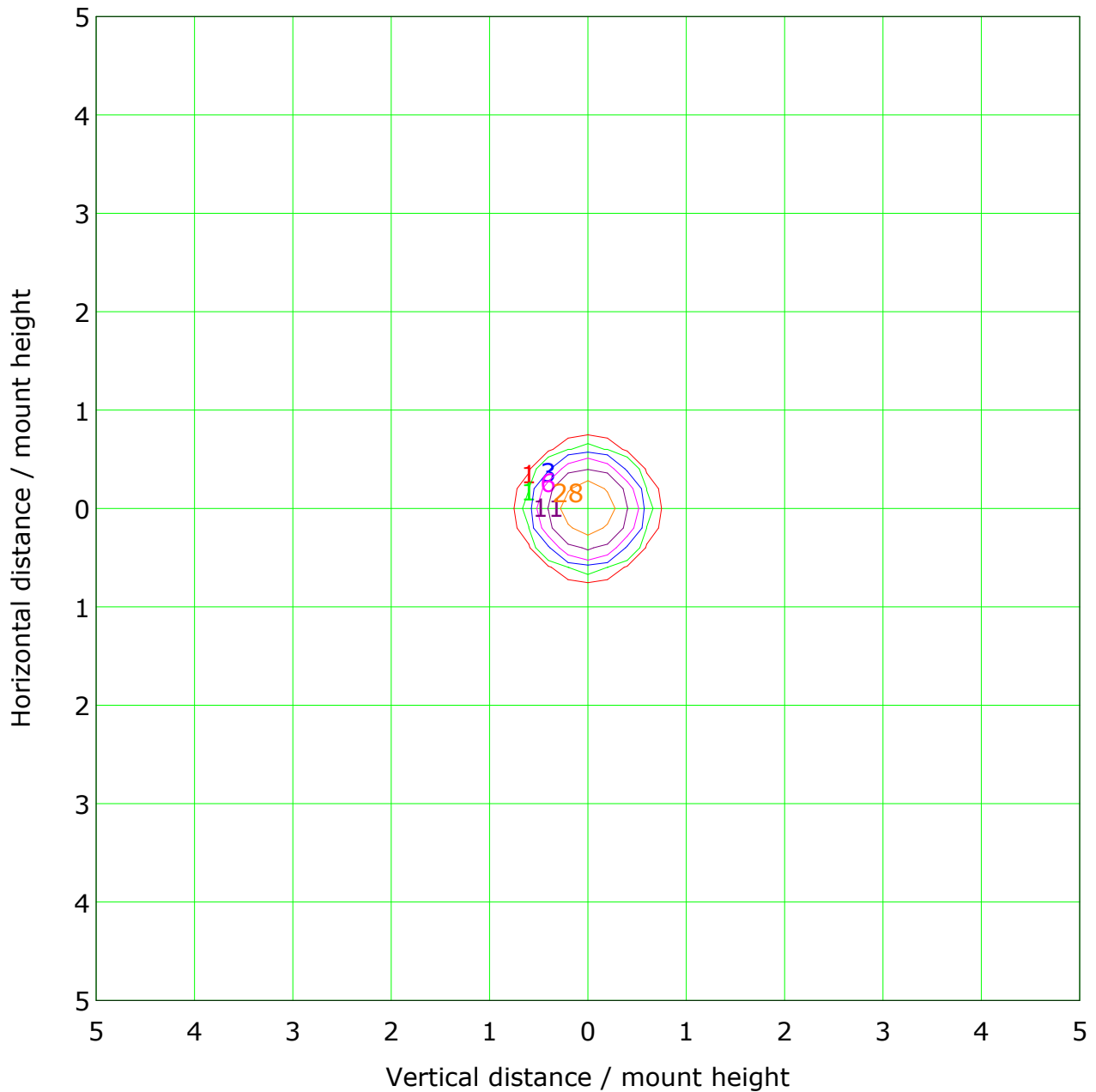
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 56 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	6 lx
(20%):	11 lx	(50%):	28 lx
(100%):	56 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

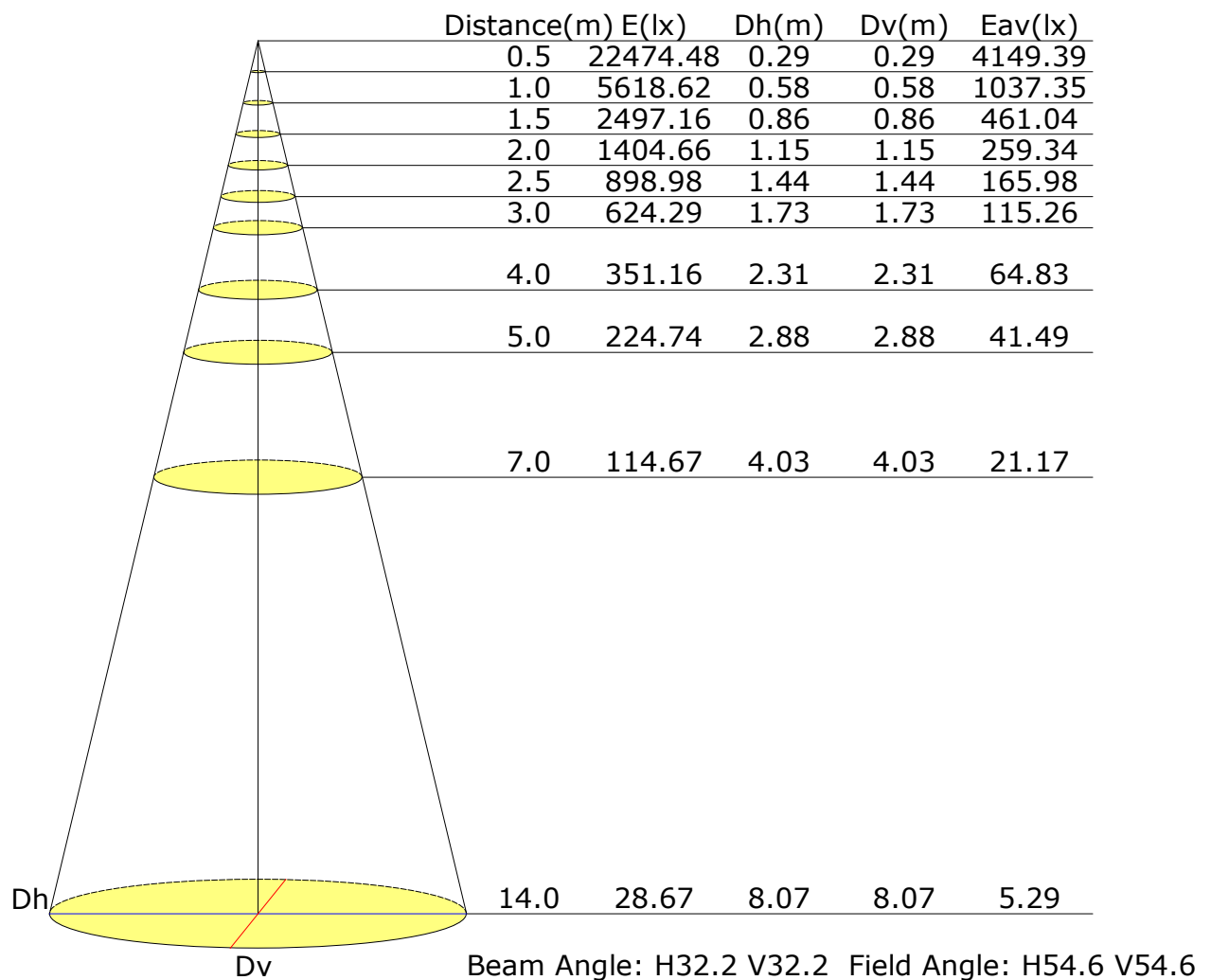
Test Device: CHL-6E

Distance: 3.328 m

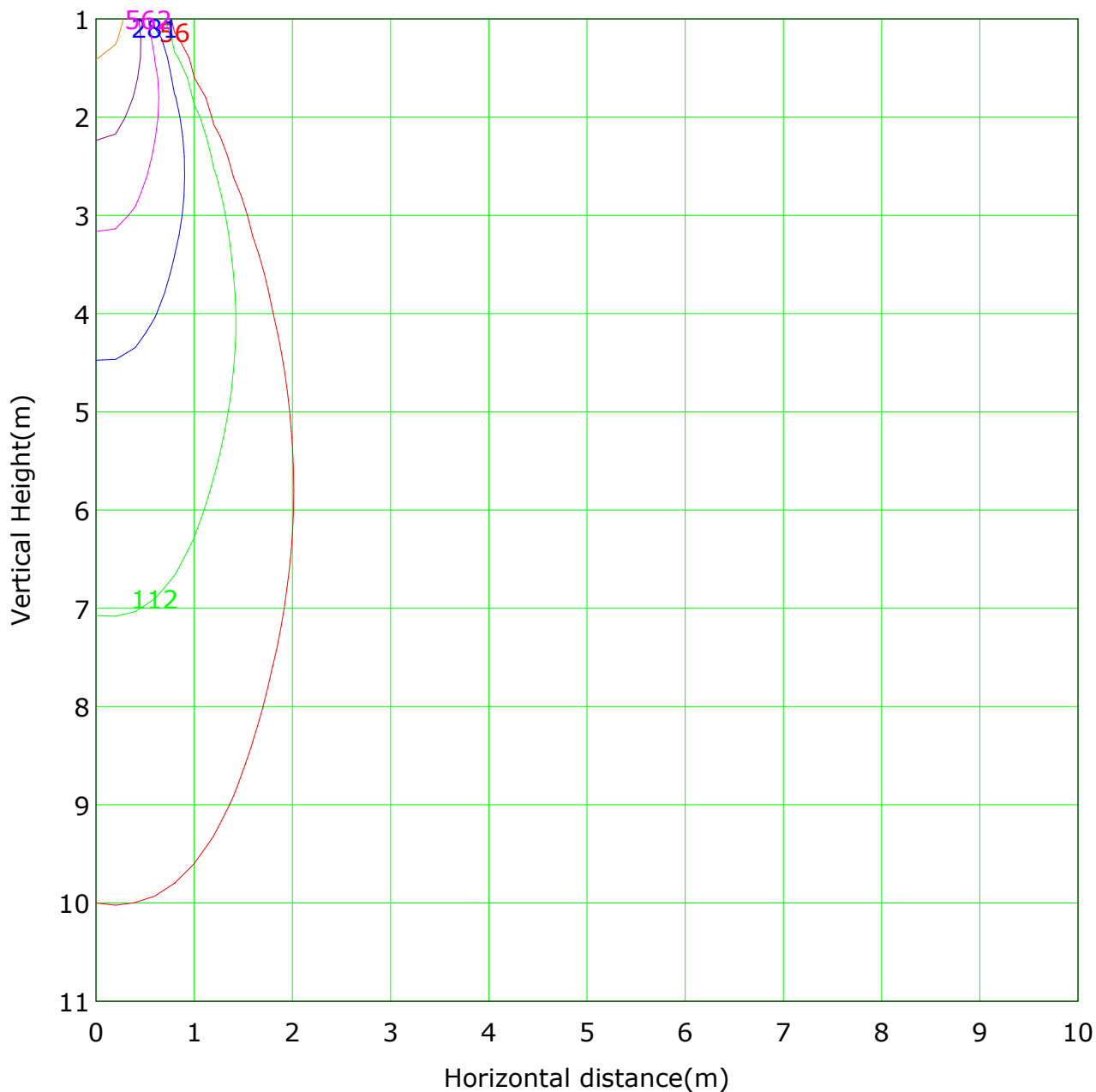
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



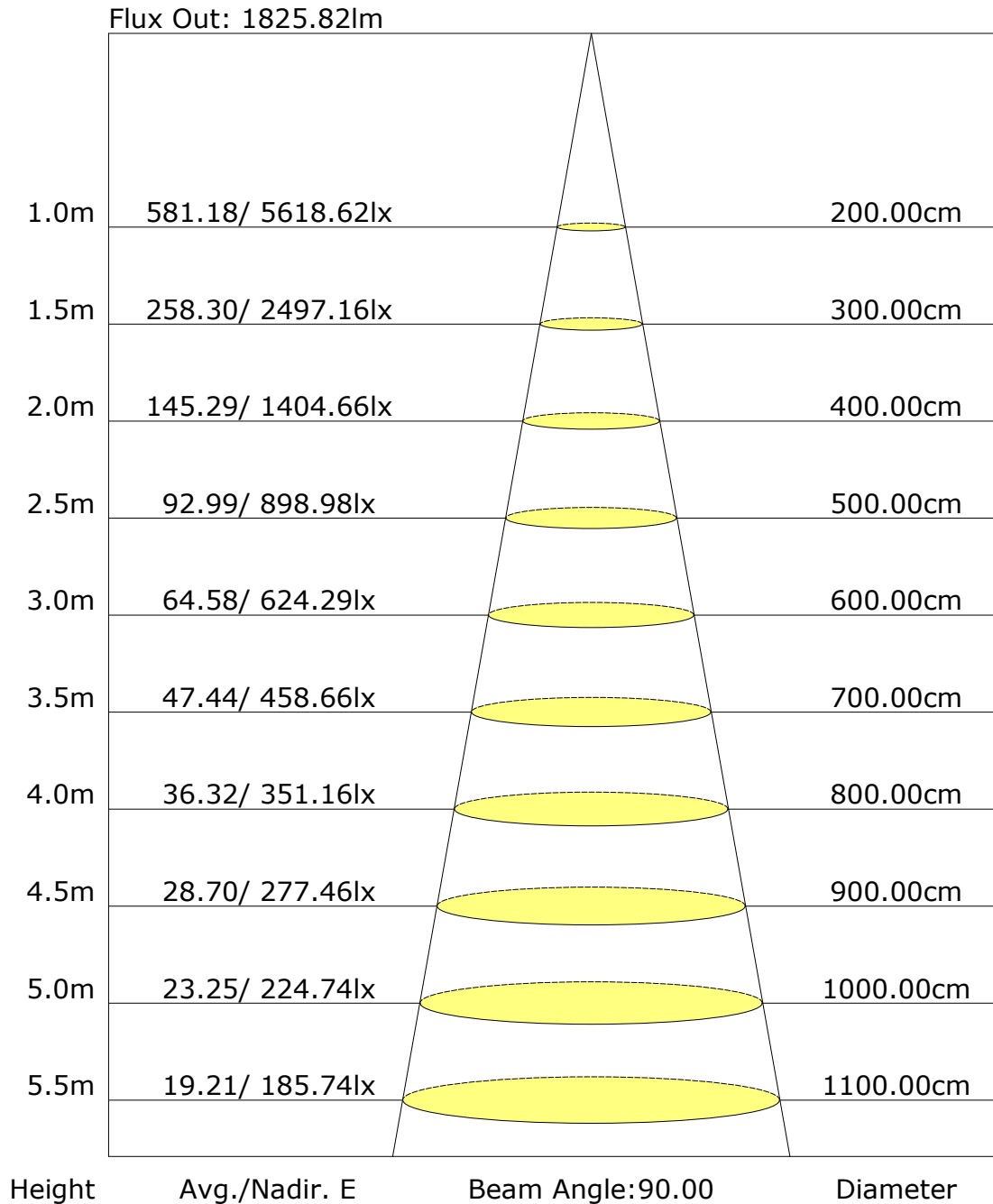
Lowest(m): 1m Highest(m): 11 Max Lux: 5619

(1%): 56 lx	(2%): 112 lx
(5%): 281 lx	(10%): 562 lx
(20%): 1124 lx	(50%): 2809 lx
(100%): 5619 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	5616.4	5.4	5.4	0.29	0.29
1.0-2.0	5596.5	16.1	21.4	0.87	1.17
2.0-3.0	5550.7	26.6	48.0	1.45	2.61
3.0-4.0	5481.8	36.7	84.7	2.00	4.61
4.0-5.0	5386.4	46.3	131.0	2.52	7.13
5.0-6.0	5263.3	55.3	186.4	3.01	10.14
6.0-7.0	5117.5	63.5	249.9	3.46	13.60
7.0-8.0	4947.9	70.8	320.7	3.85	17.46
8.0-9.0	4753.1	77.0	397.7	4.19	21.65
9.0-10.0	4535.6	82.1	479.8	4.47	26.12
10.0-11.0	4298.1	85.9	565.7	4.67	30.79
11.0-12.0	4048.2	88.5	654.2	4.82	35.61
12.0-13.0	3787.3	89.9	744.1	4.89	40.50
13.0-14.0	3520.5	90.1	834.3	4.91	45.41
14.0-15.0	3252.2	89.3	923.5	4.86	50.27
15.0-16.0	2981.0	87.4	1010.9	4.75	55.02
16.0-17.0	2711.8	84.5	1095.4	4.60	59.62
17.0-18.0	2450.9	80.8	1176.2	4.40	64.02
18.0-19.0	2199.1	76.5	1252.7	4.16	68.18
19.0-20.0	1957.9	71.7	1324.4	3.90	72.08
20.0-21.0	1729.7	66.4	1390.8	3.62	75.70
21.0-22.0	1516.5	61.0	1451.8	3.32	79.01
22.0-23.0	1318.0	55.3	1507.1	3.01	82.03
23.0-24.0	1133.2	49.6	1556.6	2.70	84.72
24.0-25.0	962.4	43.8	1600.4	2.38	87.10
25.0-26.0	805.6	38.0	1638.4	2.07	89.17
26.0-27.0	665.1	32.5	1671.0	1.77	90.95
27.0-28.0	541.7	27.4	1698.4	1.49	92.44
28.0-29.0	436.0	22.8	1721.2	1.24	93.68
29.0-30.0	348.1	18.8	1740.0	1.02	94.70
30.0-31.0	276.1	15.4	1755.4	0.84	95.54
31.0-32.0	219.1	12.6	1767.9	0.68	96.22
32.0-33.0	173.6	10.2	1778.2	0.56	96.78
33.0-34.0	137.4	8.3	1786.5	0.45	97.23
34.0-35.0	109.4	6.8	1793.3	0.37	97.60
35.0-36.0	87.6	5.6	1798.8	0.30	97.91

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	72.6	4.7	1803.6	0.26	98.16
37.0-38.0	61.4	4.1	1807.7	0.22	98.39
38.0-39.0	52.0	3.6	1811.2	0.19	98.58
39.0-40.0	45.2	3.2	1814.4	0.17	98.75
40.0-41.0	39.9	2.8	1817.2	0.15	98.91
41.0-42.0	34.9	2.5	1819.8	0.14	99.04
42.0-43.0	30.2	2.2	1822.0	0.12	99.17
43.0-44.0	26.5	2.0	1824.0	0.11	99.27
44.0-45.0	23.7	1.8	1825.8	0.10	99.37
45.0-46.0	21.2	1.7	1827.5	0.09	99.46
46.0-47.0	19.0	1.5	1829.0	0.08	99.55
47.0-48.0	16.5	1.3	1830.3	0.07	99.62
48.0-49.0	13.7	1.1	1831.5	0.06	99.68
49.0-50.0	12.2	1.0	1832.5	0.06	99.74
50.0-51.0	10.6	0.9	1833.4	0.05	99.78
51.0-52.0	9.4	0.8	1834.2	0.04	99.83
52.0-53.0	8.4	0.7	1834.9	0.04	99.87
53.0-54.0	6.2	0.5	1835.4	0.03	99.90
54.0-55.0	5.0	0.4	1835.9	0.02	99.92
55.0-56.0	5.0	0.5	1836.3	0.02	99.95
56.0-57.0	4.4	0.4	1836.7	0.02	99.97
57.0-58.0	3.4	0.3	1837.1	0.02	99.99
58.0-59.0	1.9	0.2	1837.2	0.01	100.00
59.0-60.0	0.6	0.1	1837.3	0.00	100.00
60.0-61.0	0.3	0.0	1837.3	0.00	100.00
61.0-62.0	0.0	0.0	1837.3	0.00	100.00
62.0-63.0	0.0	0.0	1837.3	0.00	100.00
63.0-64.0	0.0	0.0	1837.3	0.00	100.00
64.0-65.0	0.0	0.0	1837.3	0.00	100.00
65.0-66.0	0.0	0.0	1837.3	0.00	100.00
66.0-67.0	0.0	0.0	1837.3	0.00	100.00
67.0-68.0	0.0	0.0	1837.3	0.00	100.00
68.0-69.0	0.0	0.0	1837.3	0.00	100.00
69.0-70.0	0.0	0.0	1837.3	0.00	100.00
70.0-71.0	0.0	0.0	1837.3	0.00	100.00
71.0-72.0	0.0	0.0	1837.3	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	5618.6	5618.6								
G1.0	5648.5	5580.0								
G2.0	5633.6	5523.9								
G3.0	5598.7	5446.6								
G4.0	5517.6	5364.3								
G5.0	5391.7	5272.0								
G6.0	5228.4	5161.1								
G7.0	5032.7	5047.7								
G8.0	4807.1	4904.3								
G9.0	4555.2	4746.0								
G10.0	4291.0	4550.3								
G11.0	4020.4	4330.8								
G12.0	3758.6	4082.8								
G13.0	3503.1	3804.8								
G14.0	3262.5	3511.8								
G15.0	3029.3	3205.1								
G16.0	2801.2	2888.5								
G17.0	2579.3	2578.1								
G18.0	2364.9	2281.4								
G19.0	2152.9	1997.1								
G20.0	1941.0	1740.3								
G21.0	1730.3	1507.2								
G22.0	1524.6	1304.0								
G23.0	1323.9	1119.5								
G24.0	1135.7	953.7								
G25.0	956.2	804.1								
G26.0	787.9	674.4								
G27.0	639.5	558.5								
G28.0	512.4	456.3								
G29.0	406.4	369.0								
G30.0	320.4	296.7								
G31.0	253.1	234.4								
G32.0	202.0	187.0								
G33.0	159.6	145.9								
G34.0	129.6	114.7								
G35.0	103.5	89.8								
G36.0	86.0	71.1								

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	73.6	59.8								
G38.0	61.1	51.1								
G39.0	51.1	44.9								
G40.0	44.9	39.9								
G41.0	39.9	34.9								
G42.0	34.9	29.9								
G43.0	29.9	26.2								
G44.0	27.4	22.4								
G45.0	24.9	20.0								
G46.0	21.2	18.7								
G47.0	20.0	16.2								
G48.0	16.2	13.7								
G49.0	13.7	11.2								
G50.0	13.7	10.0								
G51.0	10.0	8.7								
G52.0	10.0	8.7								
G53.0	8.7	6.2								
G54.0	6.2	3.7								
G55.0	6.2	3.7								
G56.0	6.2	3.7								
G57.0	5.0	2.5								
G58.0	3.7	2.5								
G59.0	1.3	0.0								
G60.0	1.3	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: