

Report No.:

Test Time: 2024-08-28 15:38

Luminaire Property

Luminaire Category:

Luminaire Description: 51.12511 12D

Current: 0.137 A

Power Factor: 0.971

Voltage: 218.6 V

Power: 29.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2279.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H16.2

Vertical Diffuse Angle(50%): V16.2

Luminaire Efficacy Rating (LER): 78

Max. Intensity: 15819.91 cd

Total Rated Lamp Lumens: 2279.5 lm

Efficiency: 100%

Upward Ratio: 0%

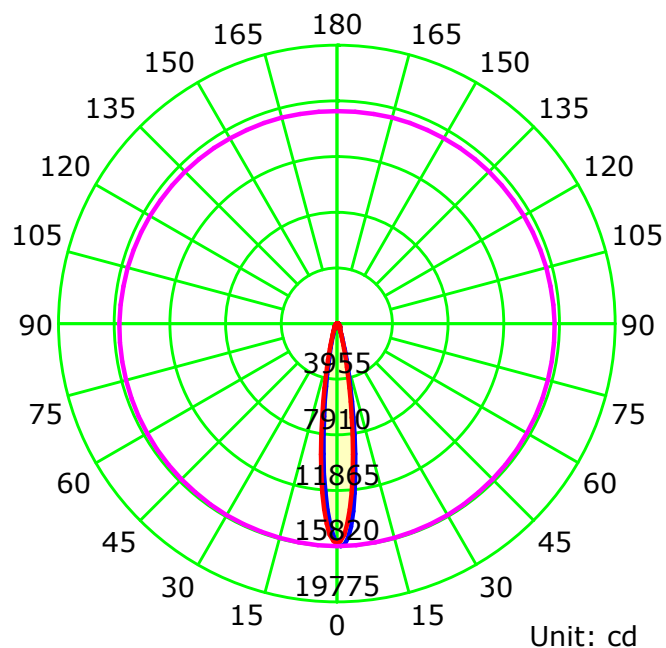
Central Intensity: 15619.19 cd

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

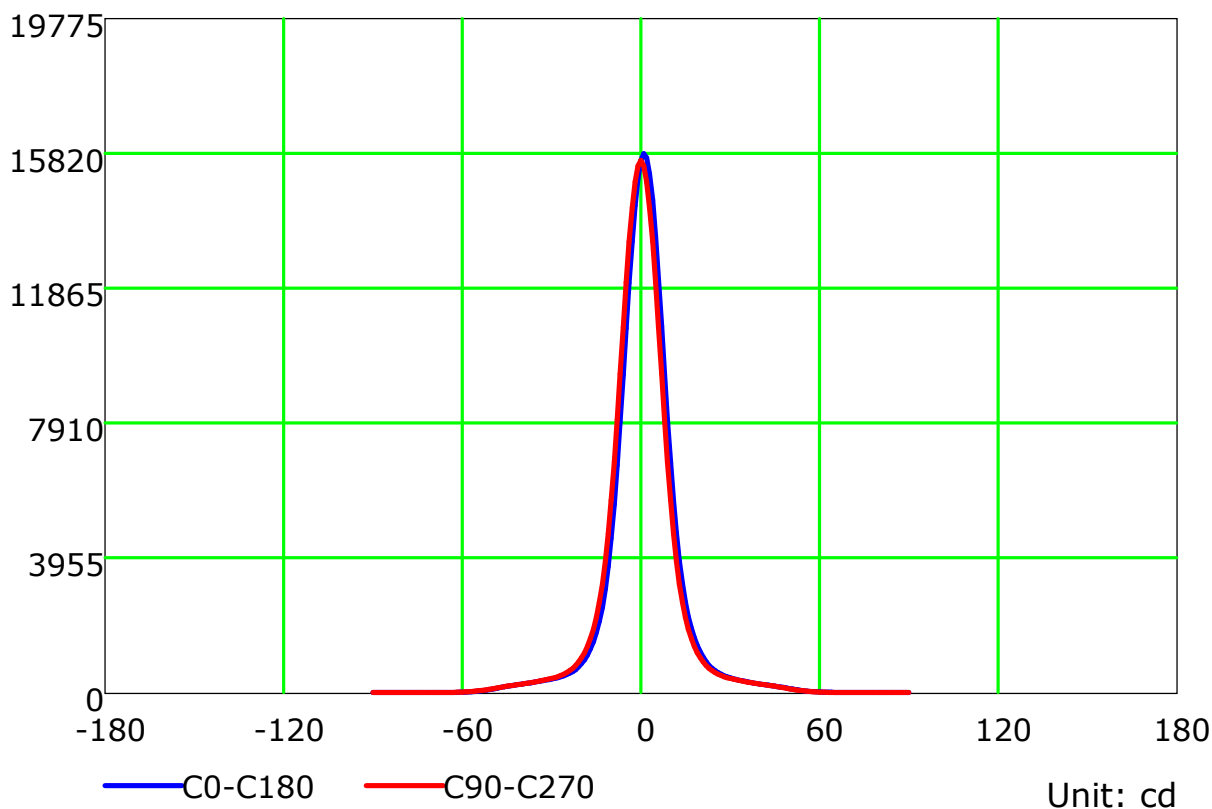
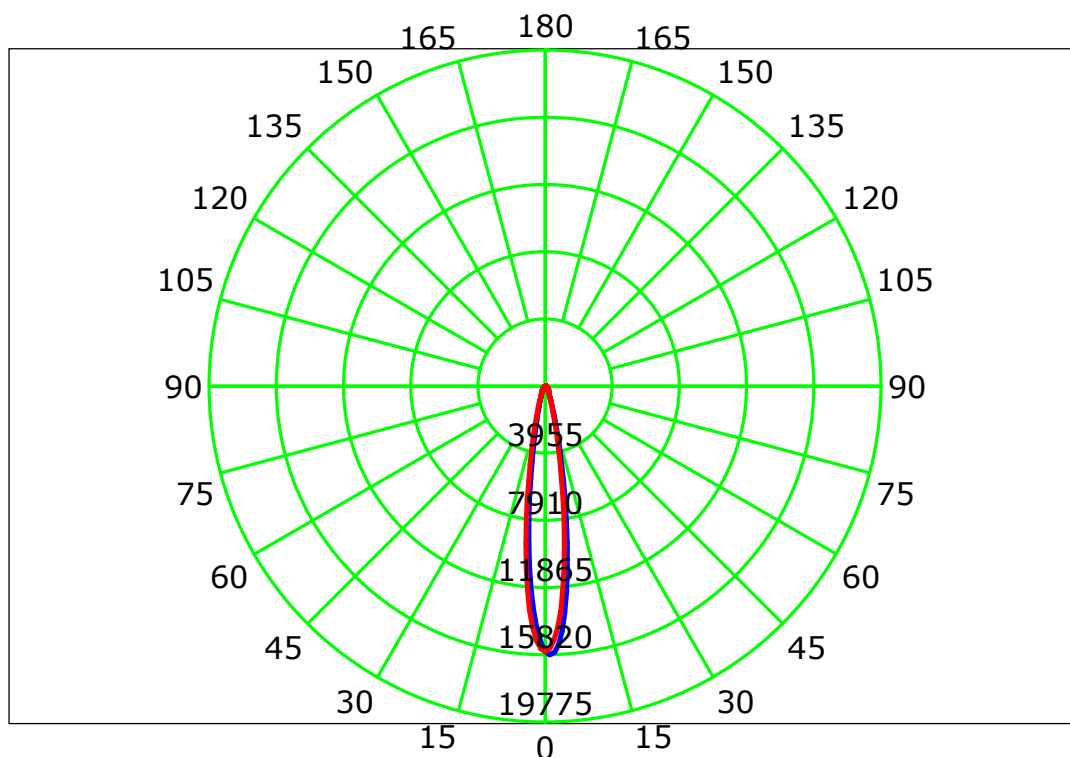
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

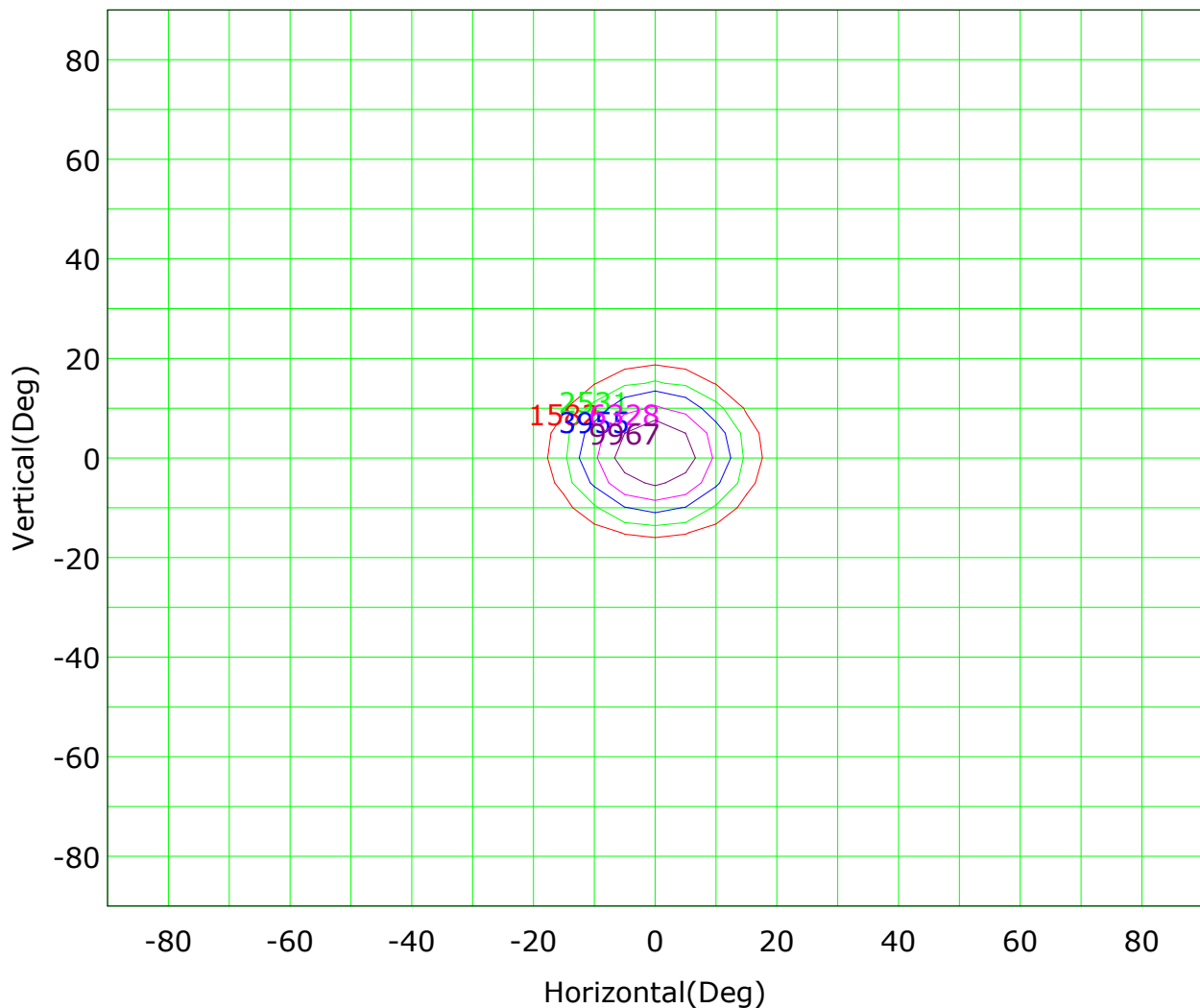
Luminous Intensity Distribution Curve



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%): 15820 cd

(10%): 1582 cd	(16%): 2531 cd
(25%): 3955 cd	(40%): 6328 cd
(63%): 9967 cd	(100%): 15820 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

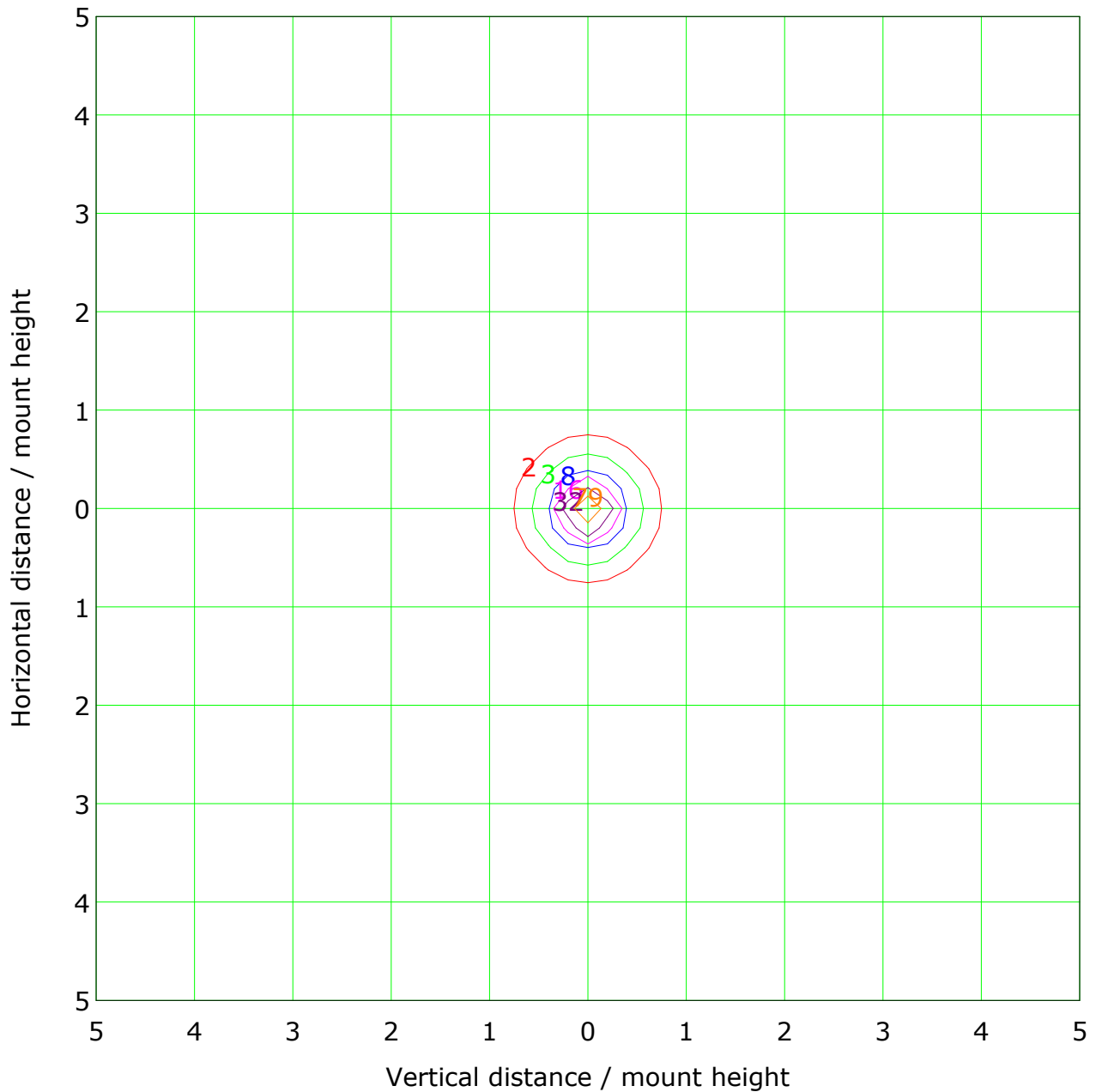
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 158 lx	
(1%):	2 lx	(2%):	3 lx
(5%):	8 lx	(10%):	16 lx
(20%):	32 lx	(50%):	79 lx
(100%):	158 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

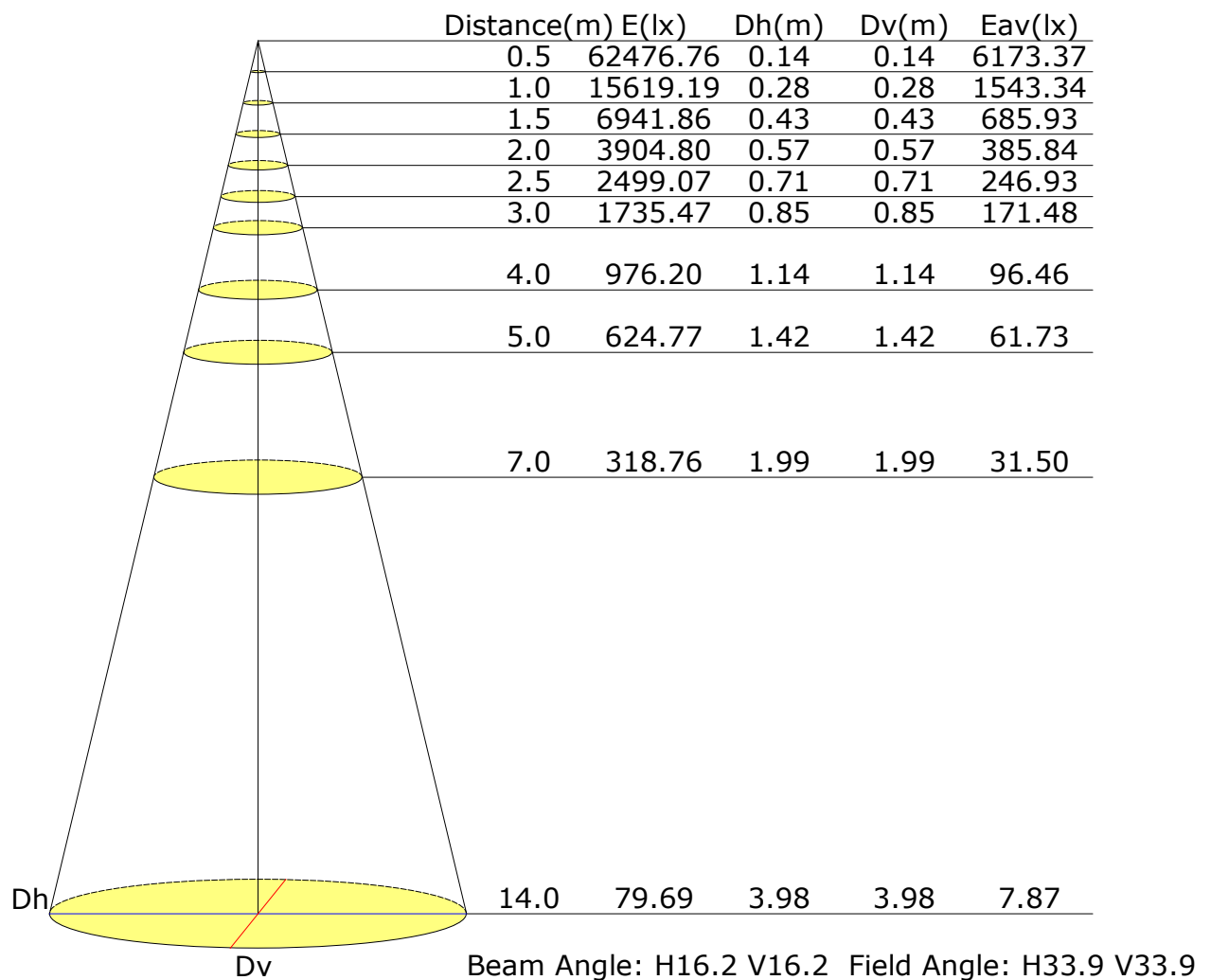
Test Device: CHL-6E

Distance: 3.328 m

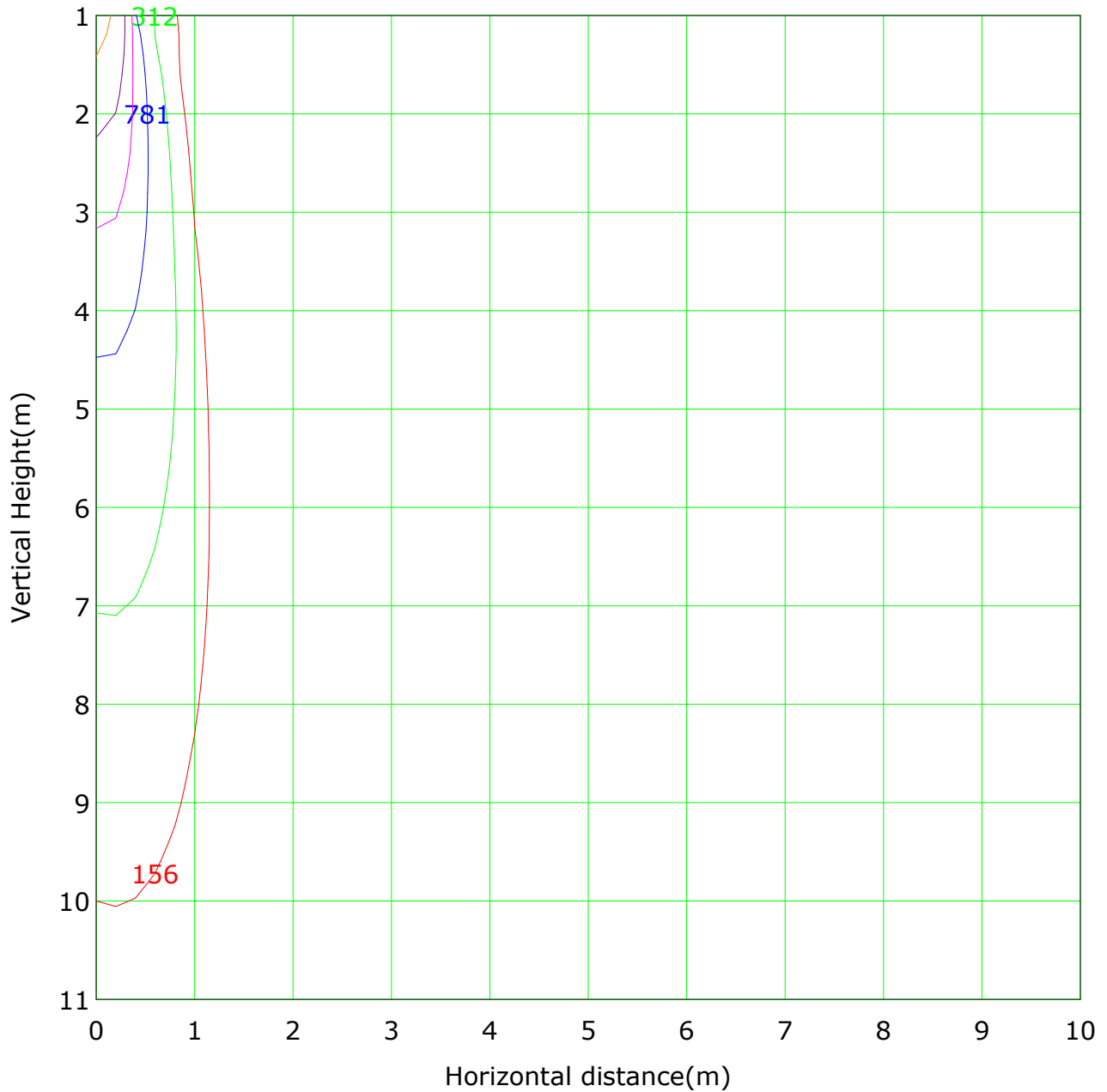
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

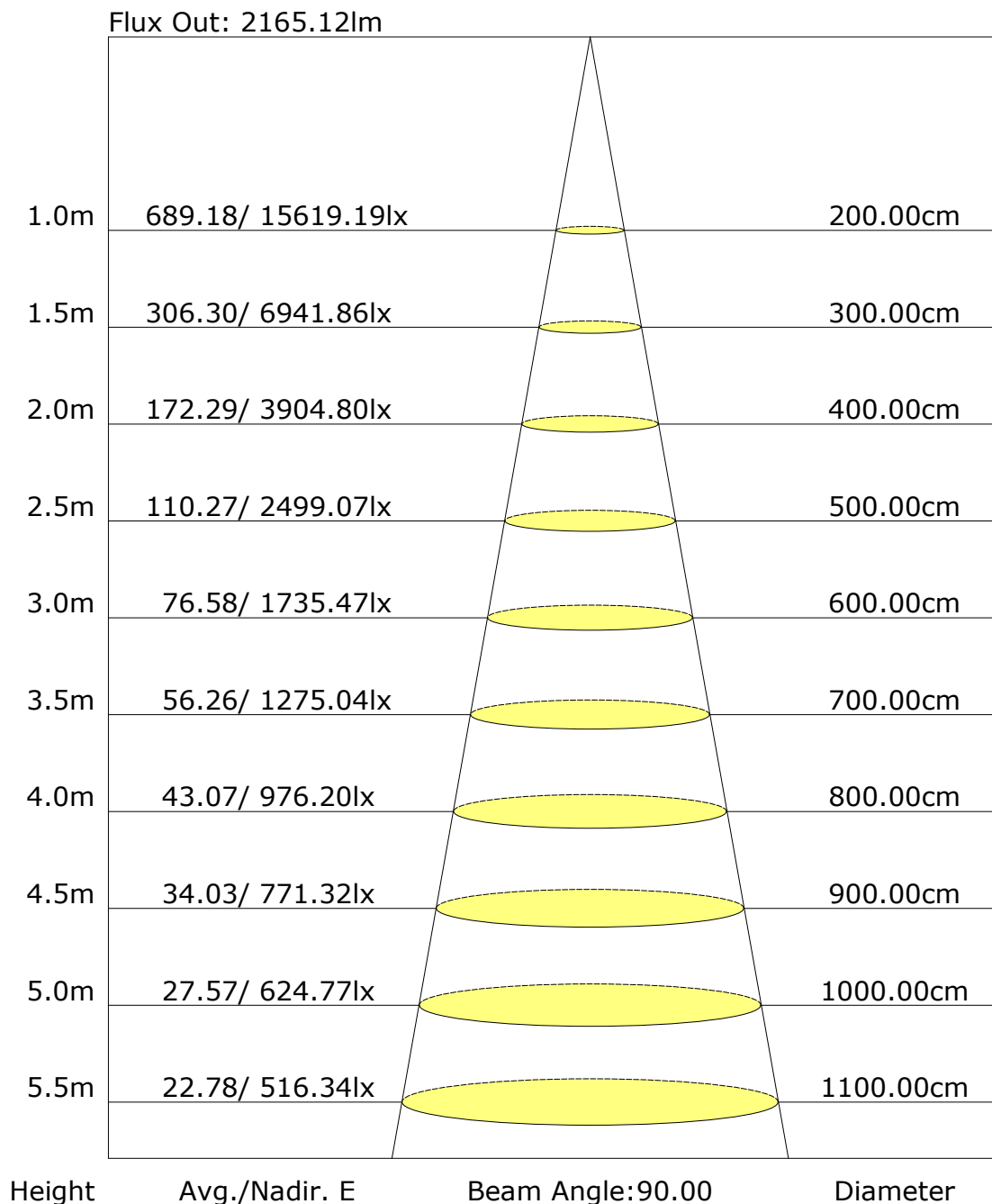


Lowest(m): 1m Highest(m): 11 Max Lux: 15619
— (1%): 156 lx — (2%): 312 lx
— (5%): 781 lx — (10%): 1562 lx
— (20%): 3124 lx — (50%): 7810 lx
— (100%): 15619 lx

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	15538.5	14.9	14.9	0.65	0.65
1.0-2.0	15224.0	43.7	58.6	1.92	2.57
2.0-3.0	14610.7	69.9	128.5	3.07	5.64
3.0-4.0	13733.0	91.9	220.4	4.03	9.67
4.0-5.0	12635.7	108.7	329.1	4.77	14.44
5.0-6.0	11381.8	119.6	448.7	5.25	19.69
6.0-7.0	10039.2	124.6	573.4	5.47	25.15
7.0-8.0	8681.0	124.3	697.6	5.45	30.60
8.0-9.0	7386.0	119.7	817.3	5.25	35.86
9.0-10.0	6199.9	112.2	929.6	4.92	40.78
10.0-11.0	5153.3	103.0	1032.5	4.52	45.30
11.0-12.0	4263.8	93.2	1125.8	4.09	49.39
12.0-13.0	3524.0	83.6	1209.4	3.67	53.05
13.0-14.0	2917.8	74.7	1284.1	3.28	56.33
14.0-15.0	2431.0	66.7	1350.8	2.93	59.26
15.0-16.0	2040.8	59.8	1410.6	2.62	61.88
16.0-17.0	1725.4	53.7	1464.4	2.36	64.24
17.0-18.0	1470.7	48.5	1512.9	2.13	66.37
18.0-19.0	1265.3	44.0	1556.9	1.93	68.30
19.0-20.0	1096.7	40.1	1597.1	1.76	70.06
20.0-21.0	957.4	36.8	1633.8	1.61	71.67
21.0-22.0	842.4	33.9	1667.7	1.49	73.16
22.0-23.0	748.9	31.4	1699.1	1.38	74.54
23.0-24.0	674.1	29.5	1728.6	1.29	75.83
24.0-25.0	613.0	27.9	1756.5	1.22	77.05
25.0-26.0	561.6	26.5	1783.0	1.16	78.22
26.0-27.0	519.2	25.4	1808.4	1.11	79.33
27.0-28.0	484.3	24.5	1832.9	1.08	80.41
28.0-29.0	454.1	23.8	1856.7	1.04	81.45
29.0-30.0	428.5	23.1	1879.8	1.02	82.46
30.0-31.0	406.1	22.6	1902.4	0.99	83.46
31.0-32.0	385.8	22.1	1924.5	0.97	84.43
32.0-33.0	367.1	21.6	1946.2	0.95	85.38
33.0-34.0	349.7	21.2	1967.3	0.93	86.30
34.0-35.0	333.5	20.7	1988.0	0.91	87.21
35.0-36.0	317.0	20.2	2008.2	0.89	88.10

C Plane (°):0.0-180.0: 180.0
Test Lab:
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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	300.4	19.6	2027.8	0.86	88.96
37.0-38.0	285.5	19.1	2046.9	0.84	89.79
38.0-39.0	271.8	18.6	2065.4	0.81	90.61
39.0-40.0	258.7	18.0	2083.5	0.79	91.40
40.0-41.0	245.9	17.5	2101.0	0.77	92.17
41.0-42.0	233.1	16.9	2117.9	0.74	92.91
42.0-43.0	221.3	16.4	2134.3	0.72	93.63
43.0-44.0	208.8	15.8	2150.1	0.69	94.32
44.0-45.0	195.7	15.0	2165.1	0.66	94.98
45.0-46.0	181.7	14.2	2179.3	0.62	95.60
46.0-47.0	166.4	13.2	2192.6	0.58	96.18
47.0-48.0	151.5	12.2	2204.8	0.54	96.72
48.0-49.0	135.3	11.1	2215.9	0.49	97.21
49.0-50.0	118.7	9.9	2225.8	0.43	97.64
50.0-51.0	103.8	8.8	2234.6	0.39	98.03
51.0-52.0	89.1	7.6	2242.3	0.34	98.36
52.0-53.0	75.1	6.5	2248.8	0.29	98.65
53.0-54.0	62.6	5.5	2254.3	0.24	98.89
54.0-55.0	52.0	4.6	2259.0	0.20	99.10
55.0-56.0	43.0	3.9	2262.9	0.17	99.27
56.0-57.0	35.5	3.2	2266.1	0.14	99.41
57.0-58.0	29.3	2.7	2268.8	0.12	99.53
58.0-59.0	23.7	2.2	2271.0	0.10	99.63
59.0-60.0	19.3	1.8	2272.9	0.08	99.71
60.0-61.0	16.5	1.6	2274.4	0.07	99.78
61.0-62.0	13.7	1.3	2275.7	0.06	99.83
62.0-63.0	10.3	1.0	2276.7	0.04	99.88
63.0-64.0	8.4	0.8	2277.6	0.04	99.91
64.0-65.0	7.5	0.7	2278.3	0.03	99.95
65.0-66.0	5.6	0.6	2278.9	0.02	99.97
66.0-67.0	3.4	0.3	2279.2	0.02	99.99
67.0-68.0	1.9	0.2	2279.4	0.01	99.99
68.0-69.0	0.9	0.1	2279.5	0.00	100.00
69.0-70.0	0.3	0.0	2279.5	0.00	100.00
70.0-71.0	0.0	0.0	2279.5	0.00	100.00
71.0-72.0	0.0	0.0	2279.5	0.00	100.00

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	15619.2	15619.2								
G1.0	15819.9	15095.6								
G2.0	15691.5	14289.0								
G3.0	15221.5	13240.6								
G4.0	14448.6	12021.4								
G5.0	13377.7	10695.0								
G6.0	12131.1	9323.6								
G7.0	10748.6	7953.6								
G8.0	9344.8	6677.0								
G9.0	7997.2	5525.1								
G10.0	6748.1	4529.0								
G11.0	5633.6	3702.5								
G12.0	4679.9	3039.3								
G13.0	3872.1	2504.5								
G14.0	3202.6	2091.9								
G15.0	2662.8	1766.5								
G16.0	2232.7	1501.0								
G17.0	1883.7	1284.0								
G18.0	1606.9	1108.3								
G19.0	1381.3	964.9								
G20.0	1193.0	847.7								
G21.0	1036.0	753.0								
G22.0	905.1	675.7								
G23.0	797.8	617.1								
G24.0	713.1	568.5								
G25.0	643.3	527.3								
G26.0	583.4	492.4								
G27.0	537.3	463.8								
G28.0	496.2	440.1								
G29.0	461.3	418.9								
G30.0	433.8	400.2								
G31.0	406.4	384.0								
G32.0	385.2	367.8								
G33.0	365.3	350.3								
G34.0	347.8	335.4								
G35.0	330.4	320.4								
G36.0	312.9	304.2								

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	295.5	289.2								
G38.0	281.7	275.5								
G39.0	265.5	264.3								
G40.0	253.1	251.8								
G41.0	239.4	239.4								
G42.0	226.9	226.9								
G43.0	216.9	214.4								
G44.0	204.4	199.5								
G45.0	192.0	187.0								
G46.0	178.3	169.5								
G47.0	164.6	153.3								
G48.0	150.8	137.1								
G49.0	134.6	118.4								
G50.0	119.7	102.2								
G51.0	104.7	88.5								
G52.0	89.8	73.6								
G53.0	77.3	59.8								
G54.0	64.8	48.6								
G55.0	54.8	39.9								
G56.0	44.9	32.4								
G57.0	37.4	27.4								
G58.0	29.9	22.4								
G59.0	23.7	18.7								
G60.0	20.0	15.0								
G61.0	18.7	12.5								
G62.0	15.0	8.7								
G63.0	11.2	6.2								
G64.0	10.0	6.2								
G65.0	8.7	5.0								
G66.0	6.2	2.5								
G67.0	3.7	1.3								
G68.0	2.5	0.0								
G69.0	1.3	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								

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Distance: 3.328 m

Humidity:

Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
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Distance: 3.328 m
Humidity:
Inspector: