

Report No.: 55.05013 Mine Recssed
Downlight

Test Time: 2024-09-29 21:08

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.024 A

Power Factor: 0.834

Voltage: 230.0 V

Power: 4.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 350.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22.9

Vertical Diffuse Angle(50%): V22.9

Luminaire Efficacy Rating (LER): 75

Max. Intensity: 1531.35 cd

Total Rated Lamp Lumens: 350.7 lm

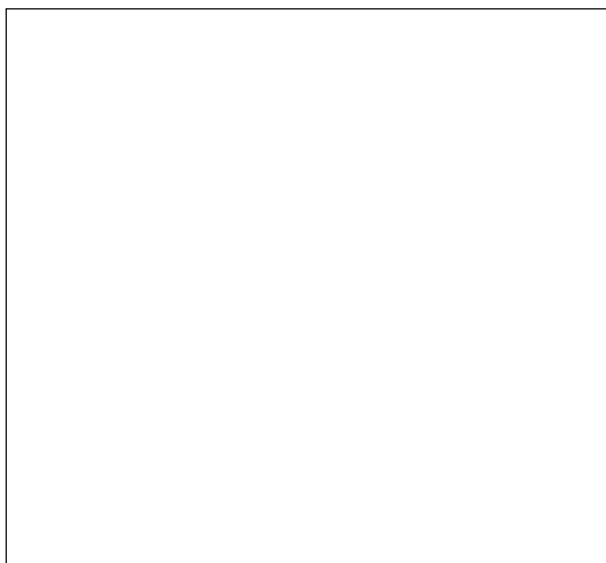
Efficiency: 100%

Upward Ratio: 0%

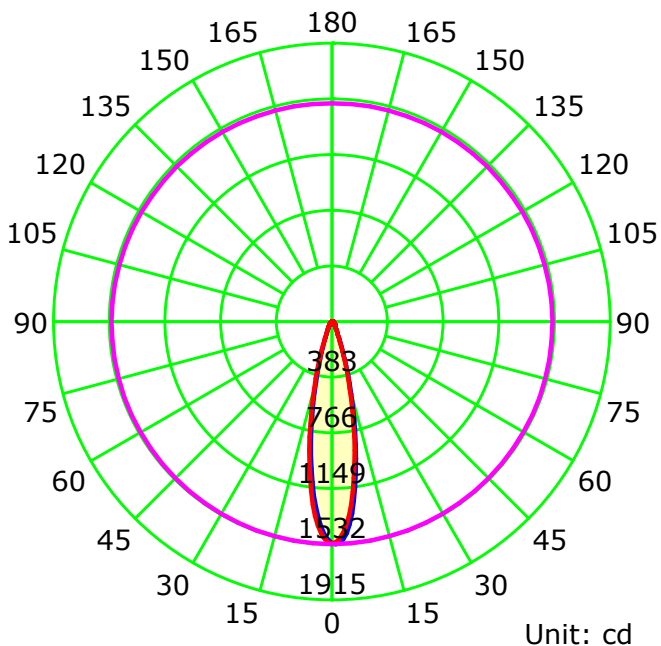
Central Intensity: 1524.15 cd

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

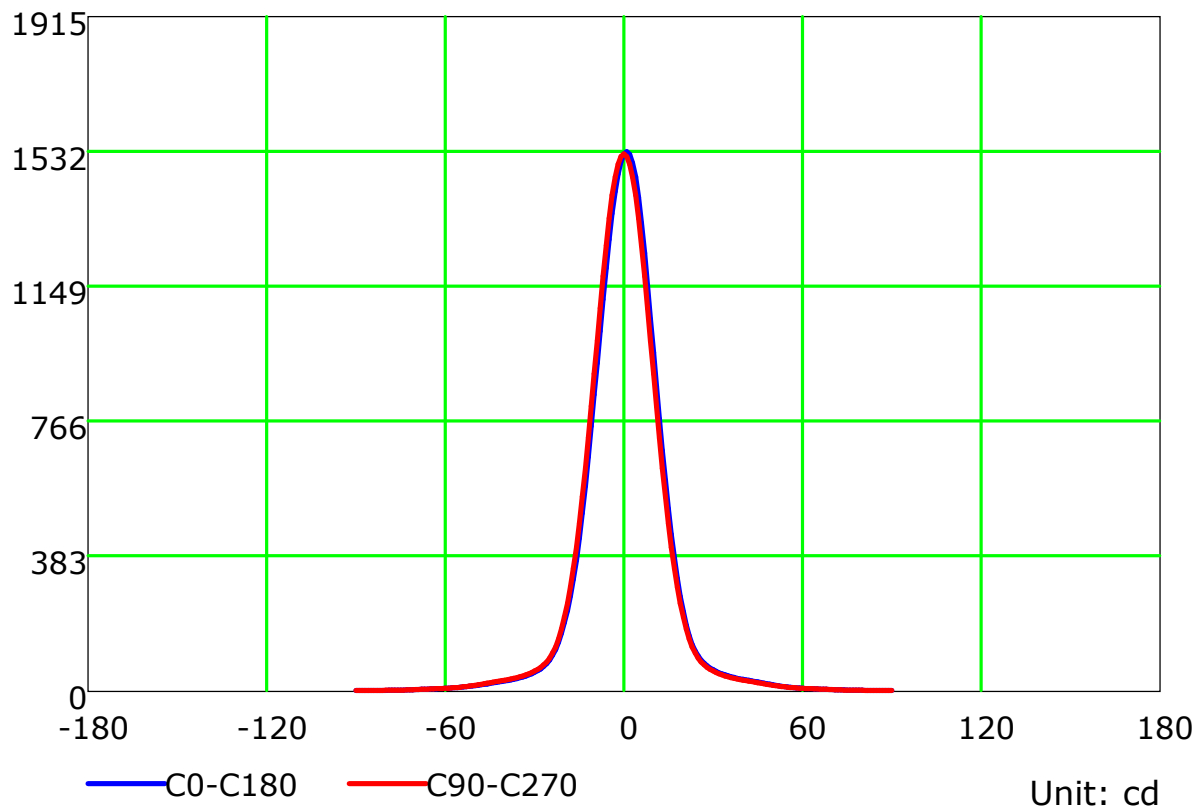
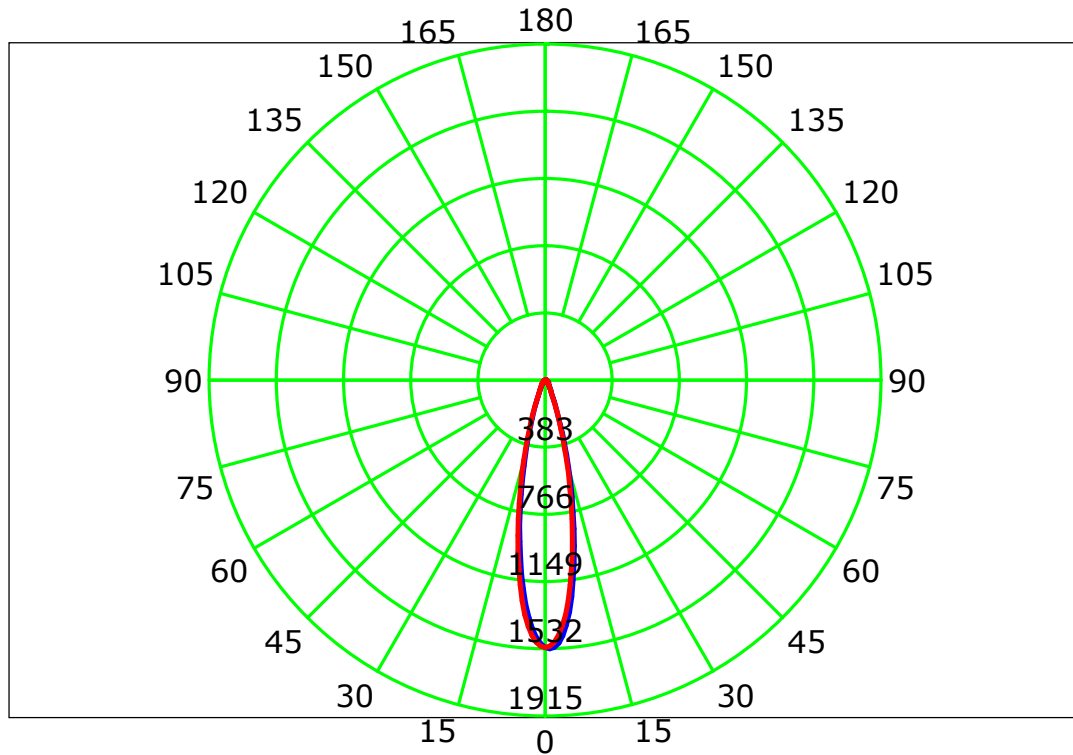
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

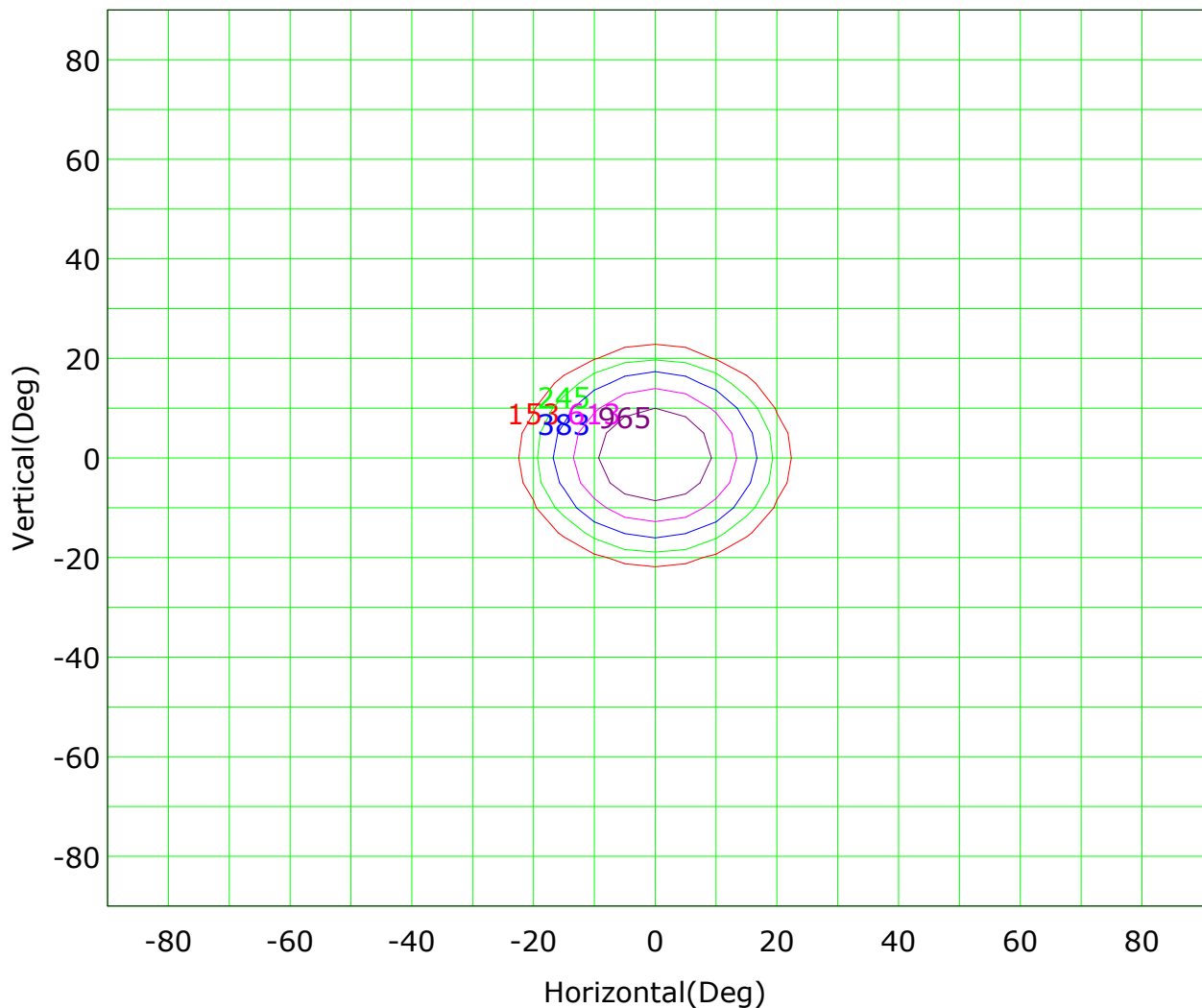
Luminous Intensity Distribution Curve



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%): 1531 cd

(10%): 153 cd	(16%): 245 cd
(25%): 383 cd	(40%): 613 cd
(63%): 965 cd	(100%): 1531 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

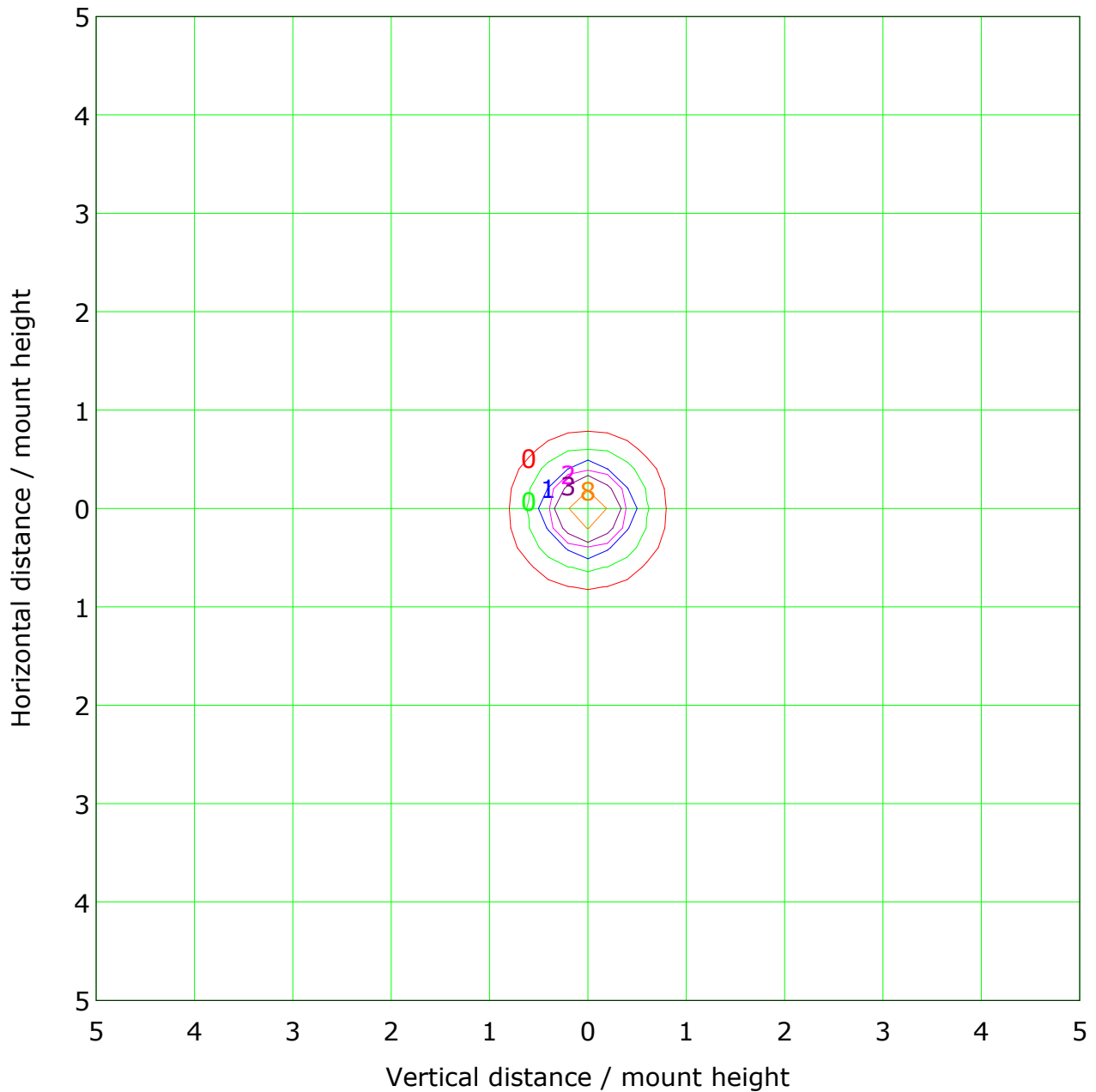
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

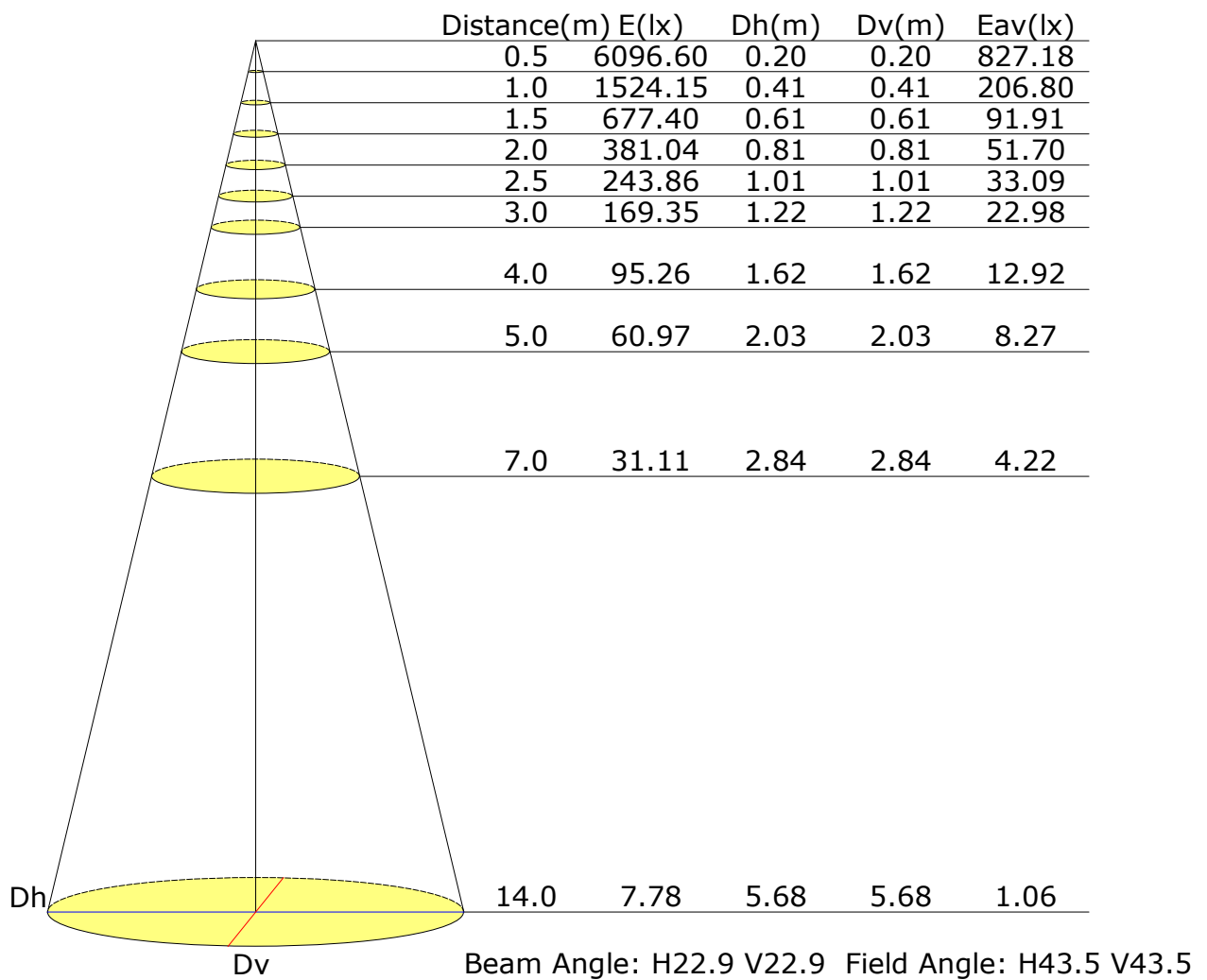


Mounting Height: 10m		Max Lux(100%): 15 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	3 lx	(50%):	8 lx
(100%):	15 lx		

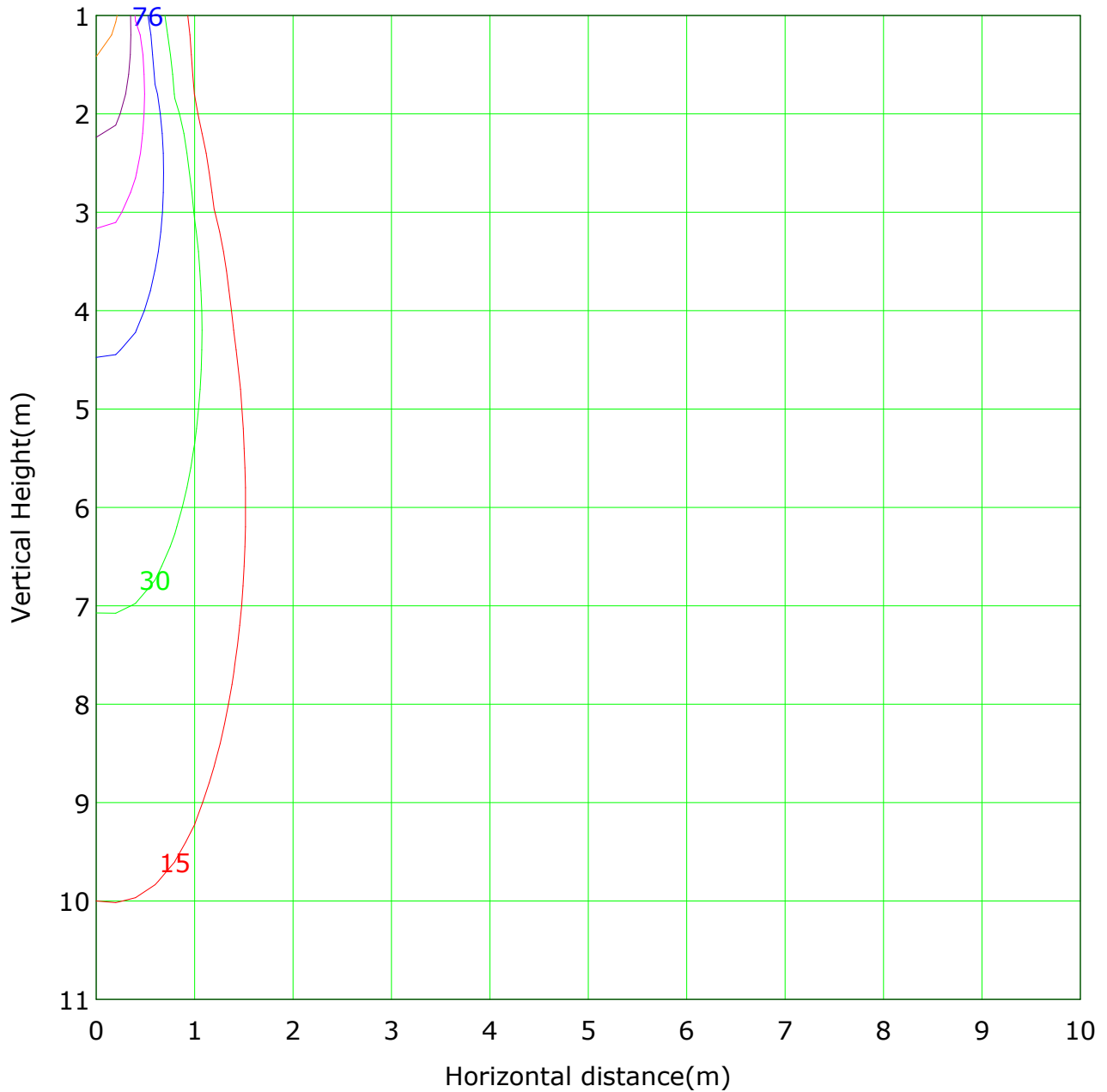
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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: 1524	
(1%): 15 lx	(2%): 30 lx
(5%): 76 lx	(10%): 152 lx
(20%): 305 lx	(50%): 762 lx
(100%): 1524 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

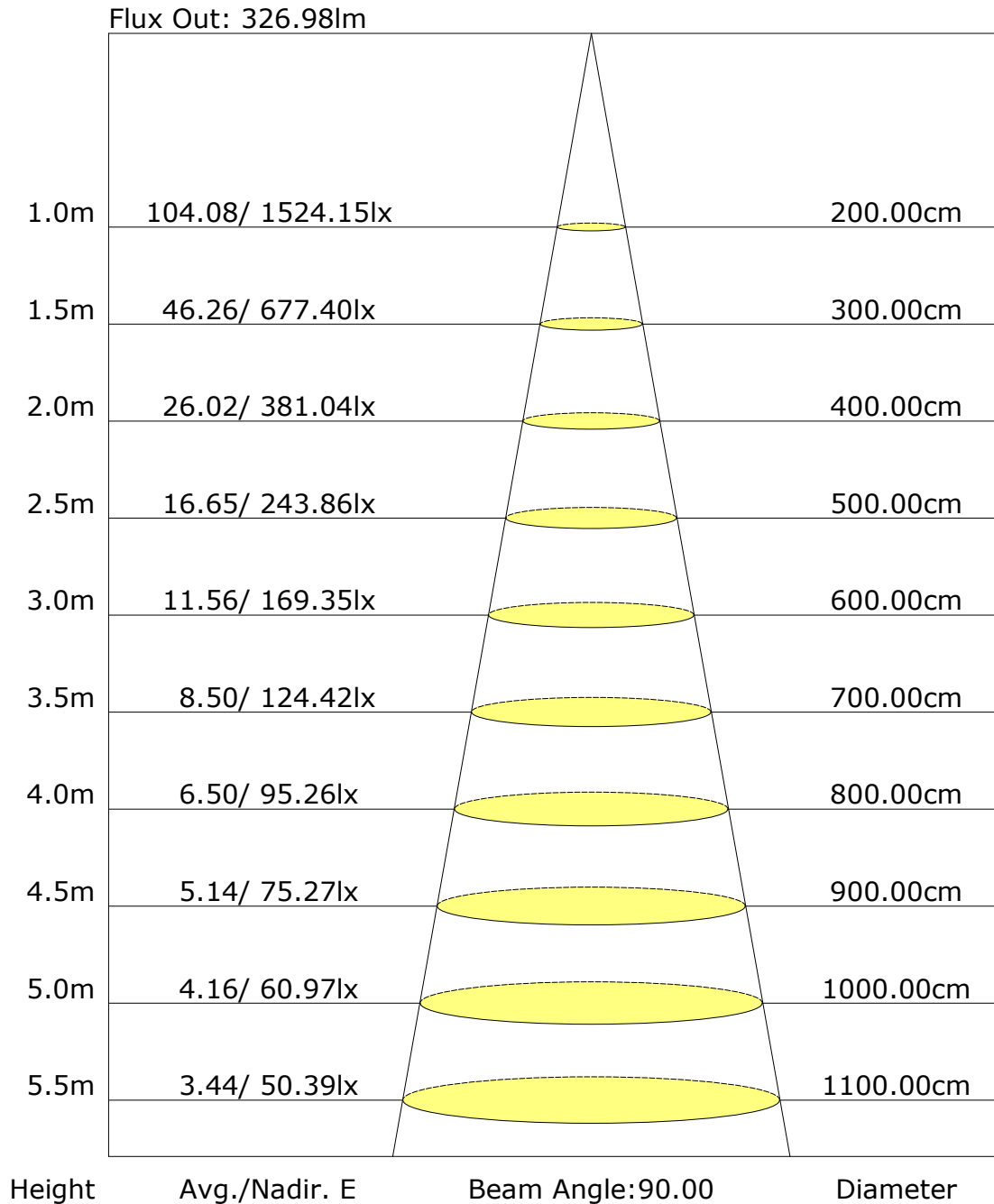
Test Device: CHL-6E

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	1520.6	1.5	1.5	0.41	0.41
1.0-2.0	1506.1	4.3	5.8	1.23	1.65
2.0-3.0	1476.9	7.1	12.8	2.01	3.66
3.0-4.0	1433.0	9.6	22.4	2.74	6.40
4.0-5.0	1374.4	11.8	34.3	3.37	9.77
5.0-6.0	1302.8	13.7	48.0	3.90	13.68
6.0-7.0	1220.7	15.2	63.1	4.32	18.00
7.0-8.0	1131.6	16.2	79.3	4.62	22.62
8.0-9.0	1039.5	16.8	96.2	4.81	27.42
9.0-10.0	946.7	17.1	113.3	4.89	32.31
10.0-11.0	853.9	17.1	130.4	4.87	37.17
11.0-12.0	762.9	16.7	147.0	4.76	41.93
12.0-13.0	674.9	16.0	163.1	4.57	46.50
13.0-14.0	591.0	15.1	178.2	4.31	50.81
14.0-15.0	512.9	14.1	192.3	4.02	54.83
15.0-16.0	441.3	12.9	205.2	3.69	58.52
16.0-17.0	377.0	11.7	216.9	3.35	61.87
17.0-18.0	320.3	10.6	227.5	3.01	64.88
18.0-19.0	271.0	9.4	236.9	2.69	67.57
19.0-20.0	228.2	8.4	245.3	2.38	69.95
20.0-21.0	191.7	7.4	252.6	2.10	72.05
21.0-22.0	160.9	6.5	259.1	1.84	73.89
22.0-23.0	135.5	5.7	264.8	1.62	75.52
23.0-24.0	115.3	5.0	269.8	1.44	76.95
24.0-25.0	99.5	4.5	274.4	1.29	78.25
25.0-26.0	87.2	4.1	278.5	1.17	79.42
26.0-27.0	77.4	3.8	282.3	1.08	80.50
27.0-28.0	69.6	3.5	285.8	1.01	81.50
28.0-29.0	63.3	3.3	289.1	0.95	82.45
29.0-30.0	58.1	3.1	292.3	0.89	83.34
30.0-31.0	53.5	3.0	295.2	0.85	84.19
31.0-32.0	49.6	2.8	298.1	0.81	85.00
32.0-33.0	46.2	2.7	300.8	0.78	85.78
33.0-34.0	43.2	2.6	303.4	0.75	86.53
34.0-35.0	40.5	2.5	305.9	0.72	87.24
35.0-36.0	38.1	2.4	308.3	0.69	87.93

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	35.9	2.3	310.7	0.67	88.60
37.0-38.0	33.9	2.3	312.9	0.65	89.25
38.0-39.0	32.0	2.2	315.1	0.62	89.87
39.0-40.0	30.5	2.1	317.3	0.61	90.48
40.0-41.0	29.1	2.1	319.3	0.59	91.07
41.0-42.0	27.8	2.0	321.4	0.58	91.65
42.0-43.0	26.4	2.0	323.3	0.56	92.20
43.0-44.0	24.8	1.9	325.2	0.53	92.74
44.0-45.0	23.3	1.8	327.0	0.51	93.25
45.0-46.0	21.8	1.7	328.7	0.49	93.73
46.0-47.0	20.3	1.6	330.3	0.46	94.19
47.0-48.0	18.8	1.5	331.8	0.43	94.63
48.0-49.0	17.5	1.4	333.2	0.41	95.04
49.0-50.0	16.1	1.3	334.6	0.38	95.42
50.0-51.0	14.8	1.3	335.8	0.36	95.78
51.0-52.0	13.5	1.2	337.0	0.33	96.11
52.0-53.0	12.4	1.1	338.1	0.31	96.41
53.0-54.0	11.5	1.0	339.1	0.29	96.70
54.0-55.0	10.5	0.9	340.0	0.27	96.97
55.0-56.0	9.5	0.9	340.9	0.24	97.21
56.0-57.0	8.8	0.8	341.7	0.23	97.44
57.0-58.0	8.2	0.8	342.5	0.22	97.66
58.0-59.0	7.5	0.7	343.2	0.20	97.86
59.0-60.0	6.9	0.7	343.8	0.19	98.05
60.0-61.0	6.3	0.6	344.4	0.17	98.22
61.0-62.0	5.9	0.6	345.0	0.16	98.38
62.0-63.0	5.6	0.5	345.5	0.16	98.54
63.0-64.0	5.3	0.5	346.0	0.15	98.69
64.0-65.0	5.0	0.5	346.5	0.14	98.83
65.0-66.0	4.6	0.5	347.0	0.13	98.96
66.0-67.0	4.2	0.4	347.4	0.12	99.08
67.0-68.0	3.9	0.4	347.8	0.11	99.19
68.0-69.0	3.5	0.4	348.2	0.10	99.29
69.0-70.0	3.1	0.3	348.5	0.09	99.38
70.0-71.0	2.7	0.3	348.8	0.08	99.47
71.0-72.0	2.4	0.2	349.0	0.07	99.54

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	1524.2	1524.2								
G1.0	1531.3	1502.8								
G2.0	1523.4	1466.9								
G3.0	1499.4	1417.9								
G4.0	1459.3	1355.4								
G5.0	1400.8	1282.1								
G6.0	1327.9	1200.4								
G7.0	1242.5	1112.1								
G8.0	1149.8	1022.0								
G9.0	1055.1	931.1								
G10.0	959.8	840.6								
G11.0	863.9	751.5								
G12.0	771.6	664.6								
G13.0	682.1	581.3								
G14.0	597.0	503.8								
G15.0	517.2	433.4								
G16.0	444.1	370.7								
G17.0	377.3	316.1								
G18.0	319.1	268.9								
G19.0	268.2	227.8								
G20.0	223.7	193.1								
G21.0	186.3	163.5								
G22.0	155.8	137.9								
G23.0	131.2	117.2								
G24.0	112.5	100.4								
G25.0	98.3	86.9								
G26.0	87.0	76.5								
G27.0	77.8	68.4								
G28.0	70.5	61.7								
G29.0	64.6	56.6								
G30.0	59.2	52.0								
G31.0	54.6	48.2								
G32.0	50.8	44.7								
G33.0	47.5	41.7								
G34.0	44.6	39.0								
G35.0	42.0	36.4								
G36.0	39.5	34.4								

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	37.5	32.4								
G38.0	35.1	30.5								
G39.0	33.6	28.8								
G40.0	32.2	27.3								
G41.0	30.9	26.1								
G42.0	29.5	24.8								
G43.0	27.8	23.5								
G44.0	26.2	21.9								
G45.0	24.6	20.5								
G46.0	23.1	19.0								
G47.0	21.4	17.6								
G48.0	19.9	16.4								
G49.0	18.4	15.3								
G50.0	16.8	14.1								
G51.0	15.0	13.2								
G52.0	13.7	12.2								
G53.0	12.4	11.2								
G54.0	11.7	10.6								
G55.0	10.3	9.6								
G56.0	9.3	8.8								
G57.0	8.8	8.3								
G58.0	8.1	7.7								
G59.0	7.3	7.1								
G60.0	6.7	6.5								
G61.0	6.2	6.0								
G62.0	5.8	5.7								
G63.0	5.7	5.2								
G64.0	5.2	5.0								
G65.0	5.0	4.7								
G66.0	4.5	4.2								
G67.0	4.1	4.0								
G68.0	4.0	3.7								
G69.0	3.2	3.2								
G70.0	2.9	3.0								
G71.0	2.6	2.5								
G72.0	2.2	2.2								
G73.0	2.0	1.9								

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
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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: