

Report No.: 55.05013 Mine Recssed
Downlight

Test Time: 2024-09-29 21:02

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.024 A

Power Factor: 0.834

Voltage: 229.9 V

Power: 4.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 356.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H46.3

Vertical Diffuse Angle(50%): V46.3

Luminaire Efficacy Rating (LER): 77

Max. Intensity: 550.85 cd

Total Rated Lamp Lumens: 356.4 lm

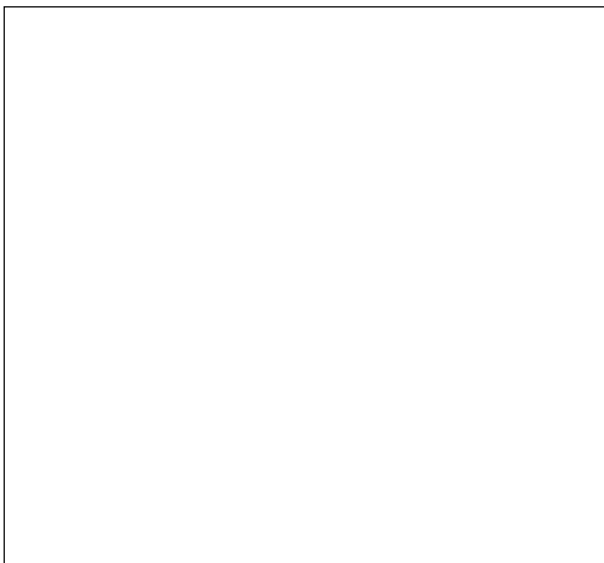
Efficiency: 100%

Upward Ratio: 0%

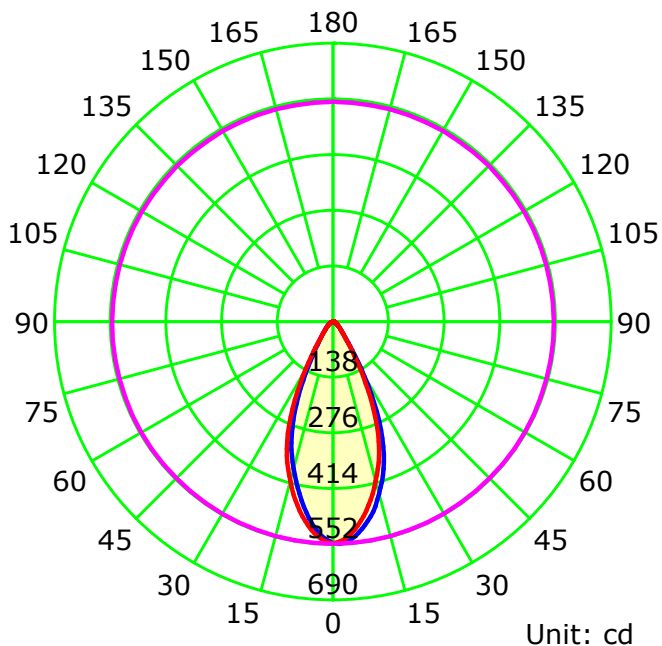
Central Intensity: 549.23 cd

Pos of Max. Intensity: H0 V1

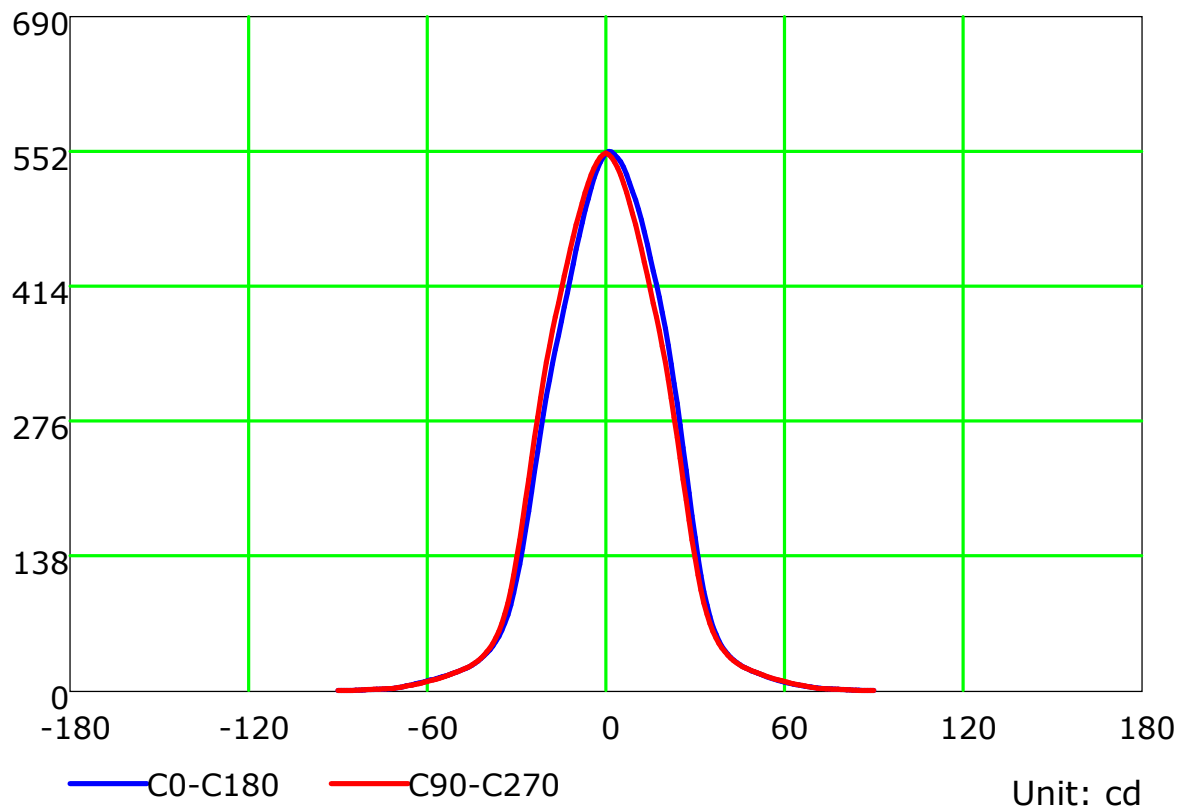
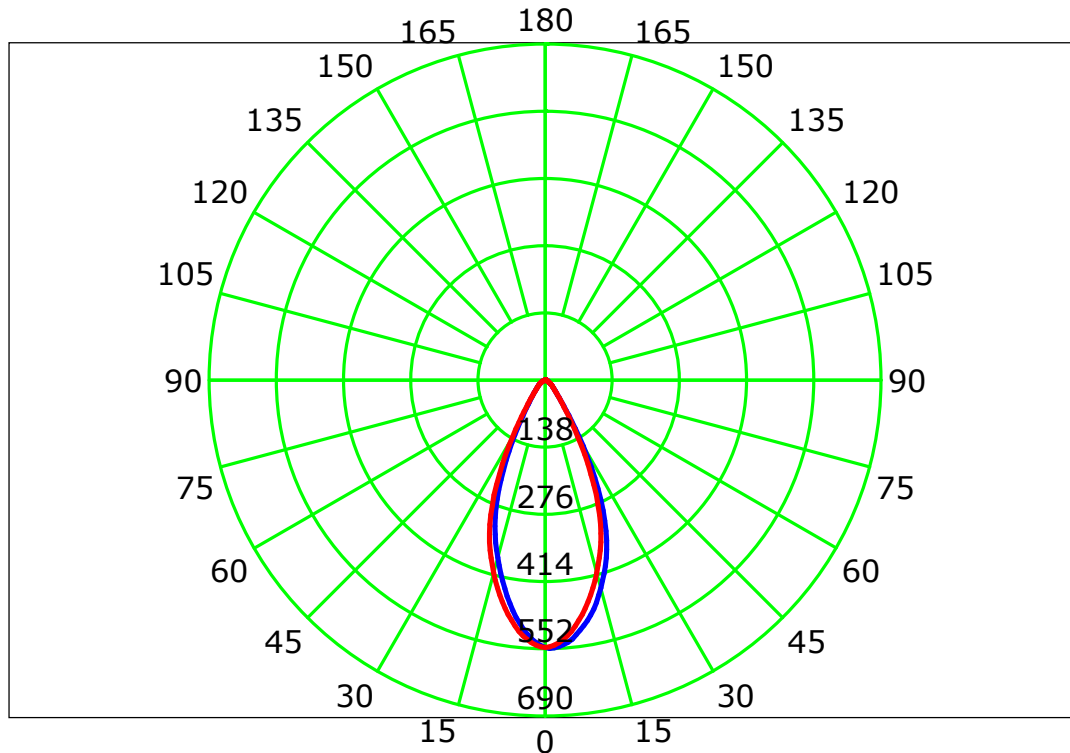
Picture Of Luminaire



Luminous Intensity Distribution Curve



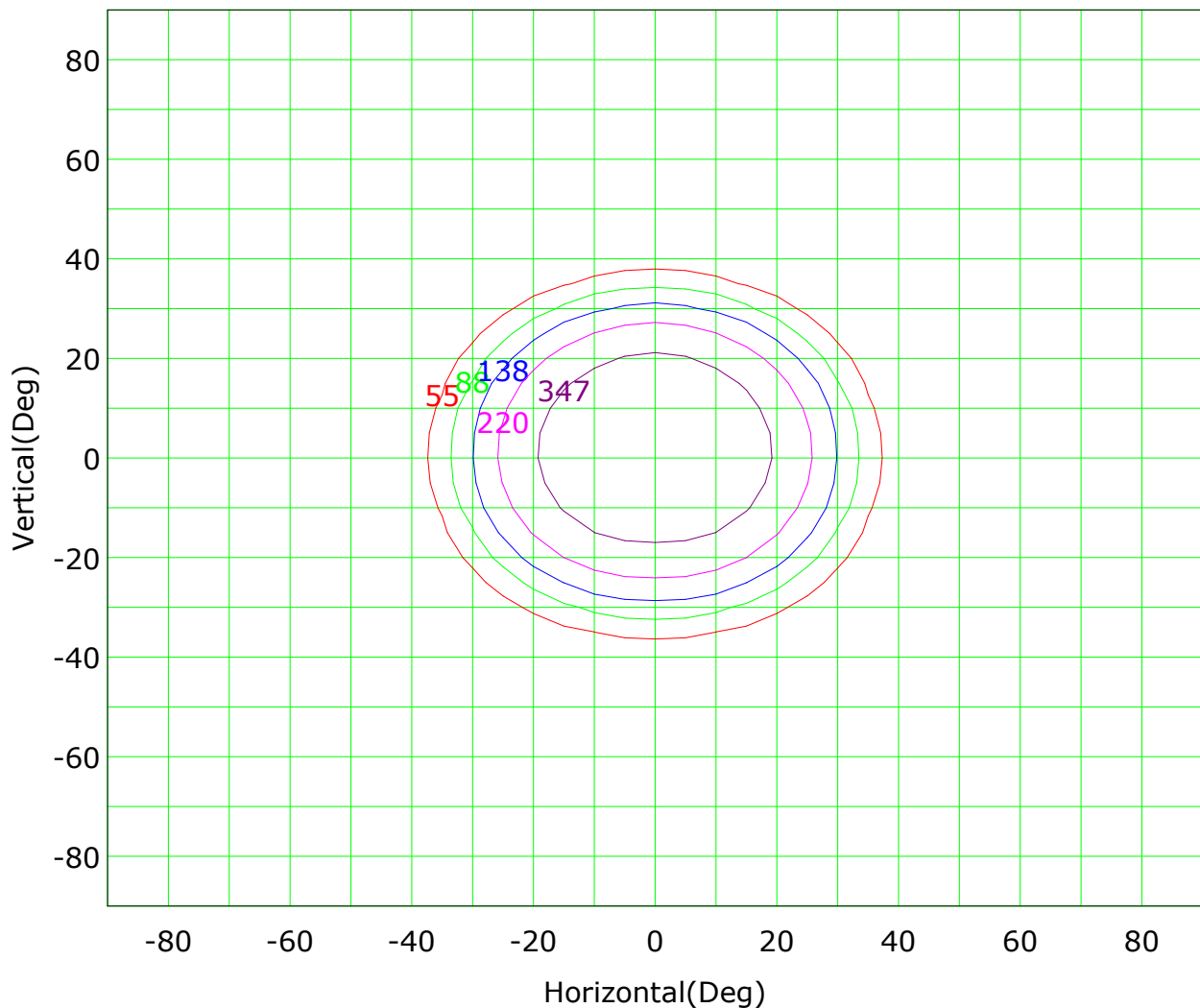
Luminous Intensity Distribution Curve



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%): 551 cd

(10%):	55 cd	(16%):	88 cd
(25%):	138 cd	(40%):	220 cd
(63%):	347 cd	(100%):	551 cd

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Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

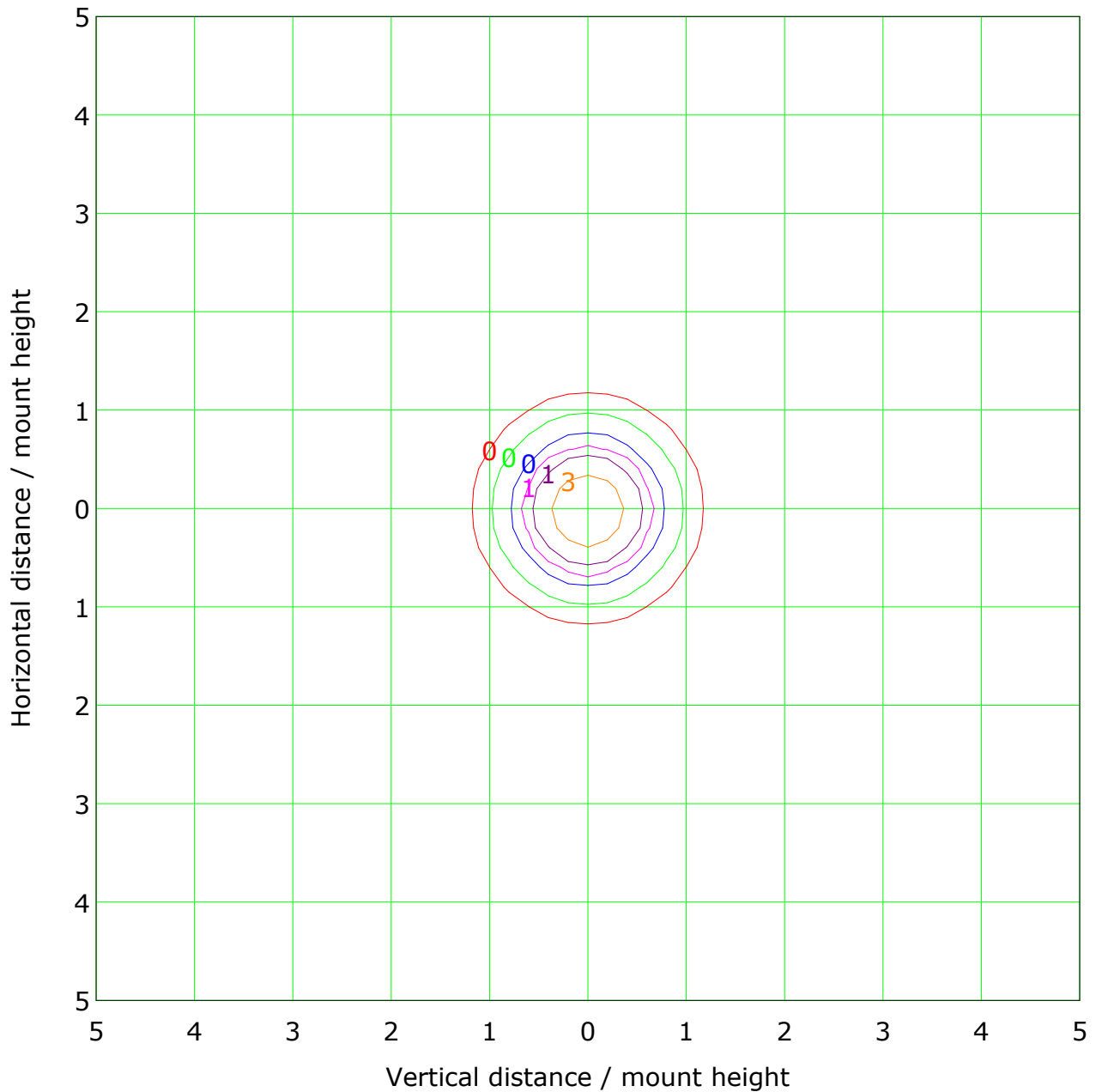
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

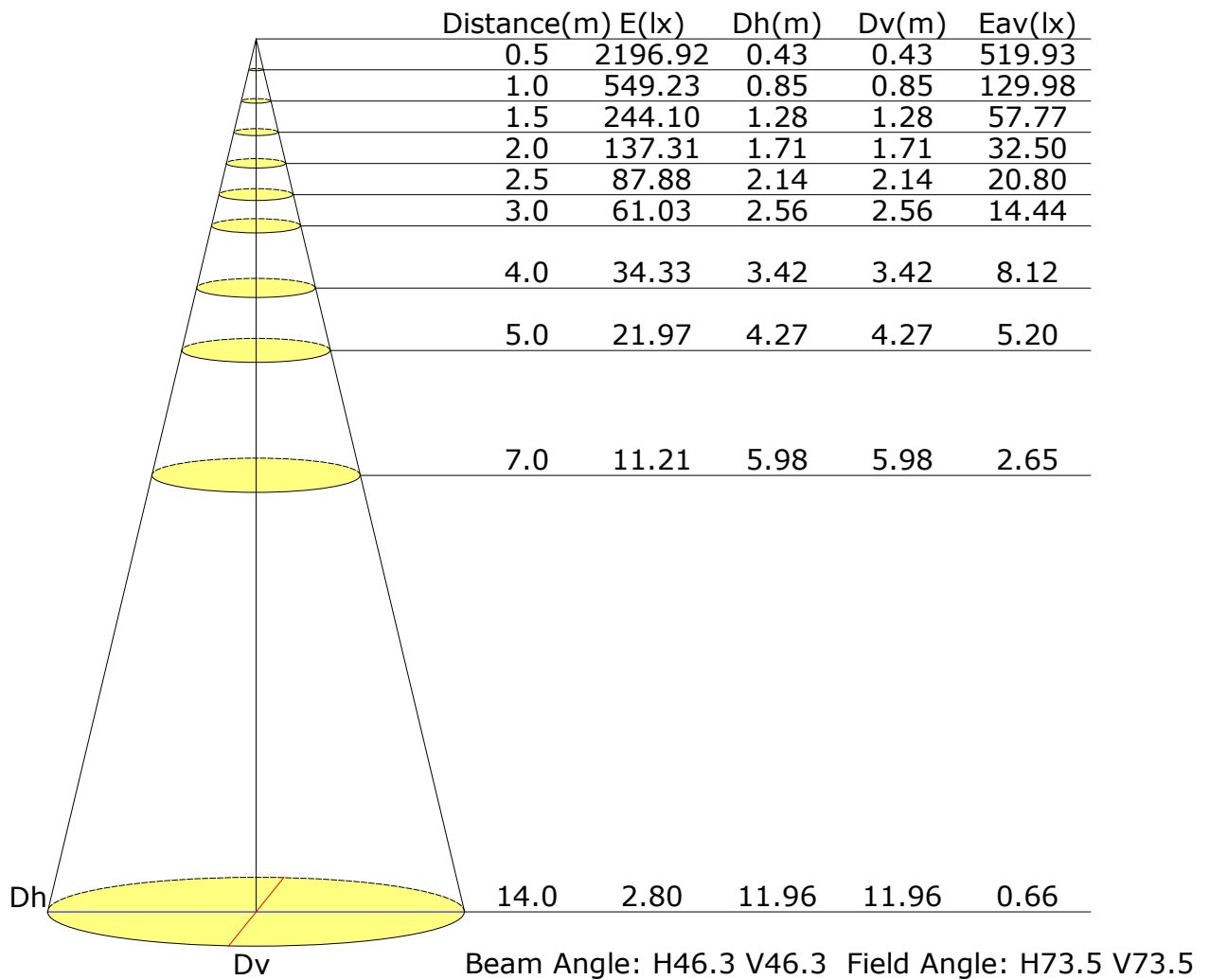


Mounting Height: 10m		Max Lux(100%): 6 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	1 lx
(20%):	1 lx	(50%):	3 lx
(100%):	6 lx		

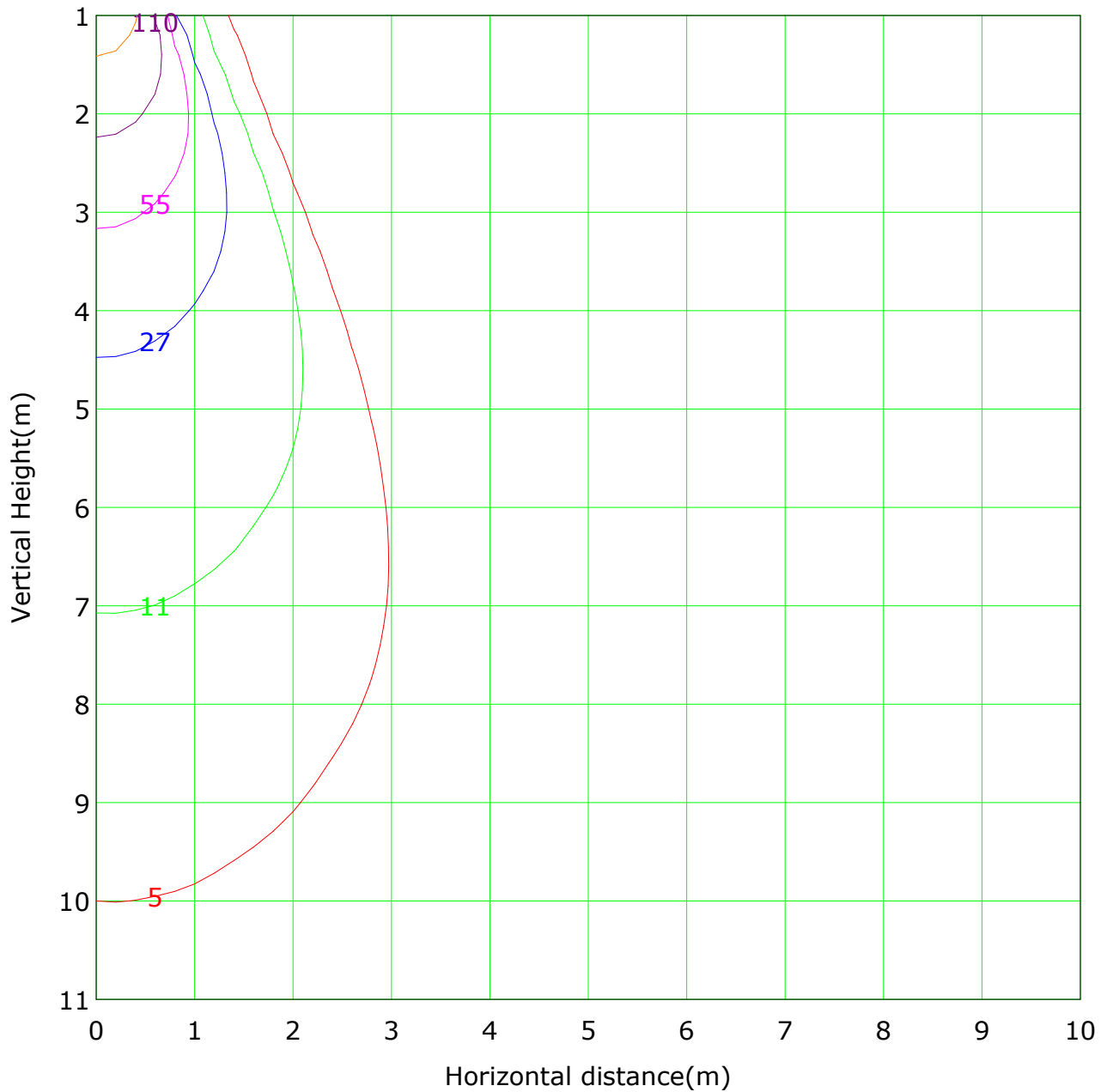
C Plane (°):0.0-180.0: 180.0
Test Lab:
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Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



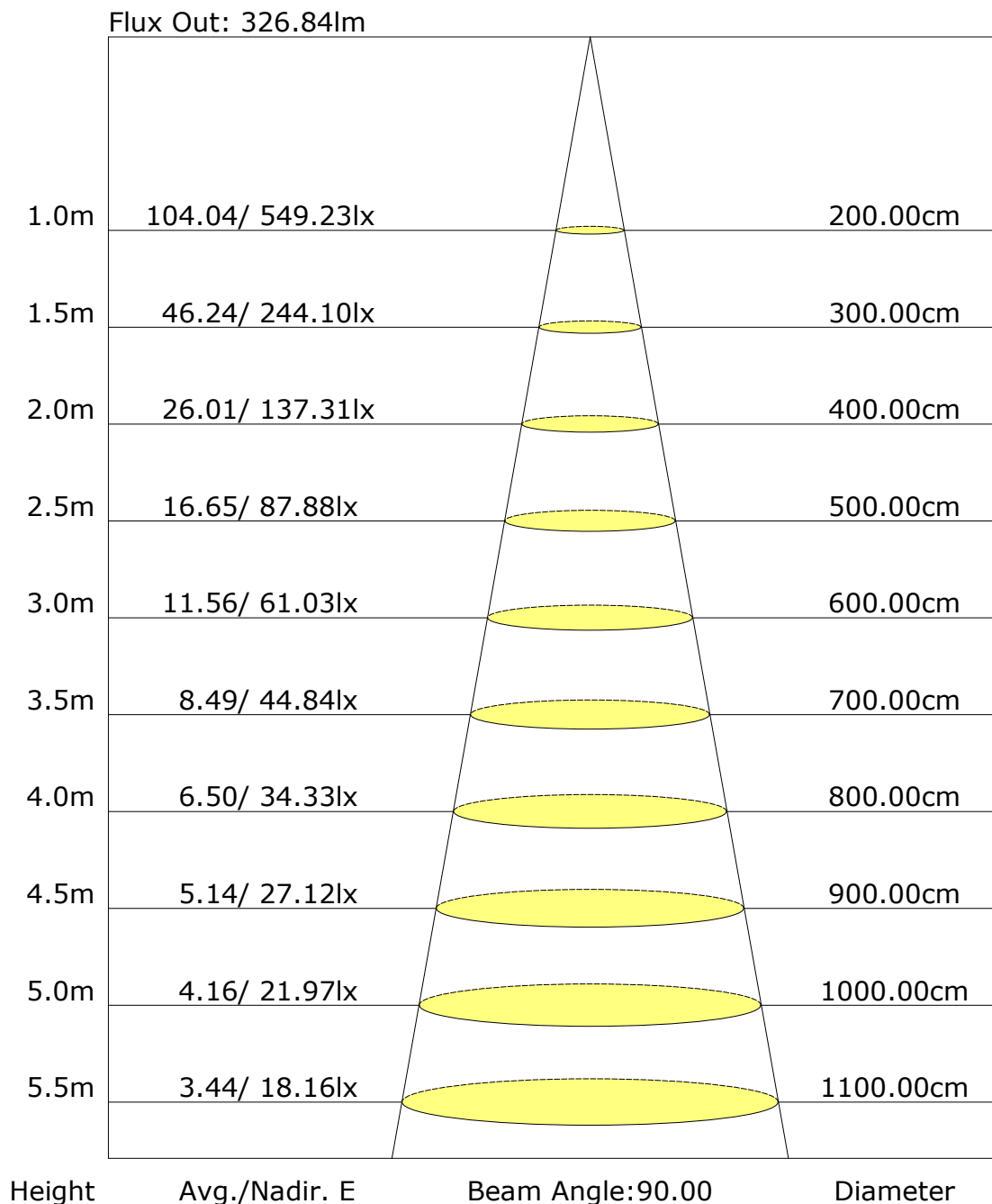
Lowest(m): 1m Highest(m): 11 Max Lux: 549

(1%): 5 lx	(2%): 11 lx
(5%): 27 lx	(10%): 55 lx
(20%): 110 lx	(50%): 275 lx
(100%): 549 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	548.5	0.5	0.5	0.15	0.15
1.0-2.0	546.3	1.6	2.1	0.44	0.59
2.0-3.0	542.5	2.6	4.7	0.73	1.32
3.0-4.0	537.1	3.6	8.3	1.01	2.32
4.0-5.0	530.5	4.6	12.8	1.28	3.61
5.0-6.0	522.9	5.5	18.3	1.54	5.15
6.0-7.0	513.8	6.4	24.7	1.79	6.94
7.0-8.0	503.6	7.2	31.9	2.02	8.96
8.0-9.0	492.9	8.0	39.9	2.24	11.20
9.0-10.0	481.8	8.7	48.6	2.45	13.65
10.0-11.0	469.9	9.4	58.0	2.64	16.28
11.0-12.0	457.4	10.0	68.0	2.81	19.09
12.0-13.0	444.5	10.6	78.6	2.96	22.05
13.0-14.0	430.9	11.0	89.6	3.09	25.15
14.0-15.0	416.7	11.4	101.1	3.21	28.36
15.0-16.0	402.7	11.8	112.9	3.31	31.67
16.0-17.0	388.8	12.1	125.0	3.40	35.06
17.0-18.0	374.8	12.4	137.3	3.47	38.53
18.0-19.0	359.8	12.5	149.8	3.51	42.05
19.0-20.0	343.6	12.6	162.4	3.53	45.58
20.0-21.0	326.6	12.5	175.0	3.52	49.09
21.0-22.0	308.4	12.4	187.4	3.48	52.57
22.0-23.0	289.0	12.1	199.5	3.40	55.98
23.0-24.0	268.9	11.8	211.3	3.30	59.28
24.0-25.0	248.0	11.3	222.5	3.16	62.44
25.0-26.0	226.5	10.7	233.2	3.00	65.44
26.0-27.0	205.2	10.0	243.3	2.82	68.26
27.0-28.0	184.3	9.3	252.6	2.62	70.88
28.0-29.0	163.9	8.6	261.2	2.41	73.28
29.0-30.0	144.6	7.8	269.0	2.19	75.47
30.0-31.0	126.6	7.0	276.0	1.98	77.45
31.0-32.0	110.3	6.3	282.3	1.77	79.22
32.0-33.0	96.0	5.7	288.0	1.59	80.81
33.0-34.0	83.8	5.1	293.1	1.42	82.23
34.0-35.0	73.4	4.6	297.6	1.28	83.51
35.0-36.0	64.6	4.1	301.7	1.15	84.67

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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	57.2	3.7	305.5	1.05	85.71
37.0-38.0	51.1	3.4	308.9	0.96	86.67
38.0-39.0	46.0	3.1	312.0	0.88	87.55
39.0-40.0	41.6	2.9	314.9	0.81	88.37
40.0-41.0	37.9	2.7	317.6	0.76	89.12
41.0-42.0	34.7	2.5	320.2	0.71	89.83
42.0-43.0	32.0	2.4	322.5	0.66	90.50
43.0-44.0	29.5	2.2	324.7	0.62	91.12
44.0-45.0	27.3	2.1	326.8	0.59	91.71
45.0-46.0	25.4	2.0	328.8	0.56	92.27
46.0-47.0	23.7	1.9	330.7	0.53	92.80
47.0-48.0	22.3	1.8	332.5	0.51	93.30
48.0-49.0	21.0	1.7	334.2	0.48	93.79
49.0-50.0	19.7	1.6	335.9	0.46	94.25
50.0-51.0	18.6	1.6	337.5	0.44	94.69
51.0-52.0	17.4	1.5	339.0	0.42	95.11
52.0-53.0	16.3	1.4	340.4	0.40	95.51
53.0-54.0	15.2	1.3	341.7	0.38	95.88
54.0-55.0	14.2	1.3	343.0	0.36	96.24
55.0-56.0	13.2	1.2	344.2	0.34	96.57
56.0-57.0	12.2	1.1	345.3	0.31	96.89
57.0-58.0	11.3	1.0	346.3	0.29	97.18
58.0-59.0	10.5	1.0	347.3	0.28	97.45
59.0-60.0	9.7	0.9	348.2	0.26	97.71
60.0-61.0	8.9	0.9	349.1	0.24	97.95
61.0-62.0	8.2	0.8	349.9	0.22	98.17
62.0-63.0	7.5	0.7	350.6	0.20	98.38
63.0-64.0	6.8	0.7	351.3	0.19	98.56
64.0-65.0	6.2	0.6	351.9	0.17	98.74
65.0-66.0	5.6	0.6	352.4	0.16	98.89
66.0-67.0	5.0	0.5	352.9	0.14	99.03
67.0-68.0	4.4	0.4	353.4	0.13	99.16
68.0-69.0	3.8	0.4	353.8	0.11	99.27
69.0-70.0	3.3	0.3	354.1	0.10	99.36
70.0-71.0	2.9	0.3	354.4	0.08	99.45
71.0-72.0	2.4	0.3	354.7	0.07	99.52

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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	549.2	549.2								
G1.0	550.8	544.9								
G2.0	550.2	539.4								
G3.0	547.6	532.7								
G4.0	544.1	523.8								
G5.0	540.5	513.7								
G6.0	534.8	502.7								
G7.0	527.0	490.8								
G8.0	518.7	478.0								
G9.0	510.1	464.9								
G10.0	501.4	450.9								
G11.0	491.5	435.9								
G12.0	481.0	421.4								
G13.0	469.0	406.8								
G14.0	455.6	391.9								
G15.0	441.8	377.4								
G16.0	428.6	362.9								
G17.0	415.4	348.5								
G18.0	401.7	333.7								
G19.0	386.4	317.6								
G20.0	370.0	300.7								
G21.0	352.7	282.9								
G22.0	333.8	264.1								
G23.0	314.0	244.3								
G24.0	293.5	224.0								
G25.0	271.3	203.2								
G26.0	248.4	183.2								
G27.0	225.2	164.1								
G28.0	202.0	145.9								
G29.0	178.9	129.0								
G30.0	156.7	113.7								
G31.0	135.9	99.9								
G32.0	117.6	87.7								
G33.0	101.3	77.5								
G34.0	87.4	68.9								
G35.0	75.6	61.6								
G36.0	65.7	55.4								

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Distance: 3.328 m
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	57.6	50.3								
G38.0	51.0	45.7								
G39.0	45.3	41.8								
G40.0	40.8	38.5								
G41.0	37.0	35.4								
G42.0	33.8	32.8								
G43.0	31.2	30.2								
G44.0	28.7	27.8								
G45.0	26.7	26.0								
G46.0	24.6	24.3								
G47.0	23.1	22.8								
G48.0	21.7	21.6								
G49.0	20.2	20.4								
G50.0	19.1	19.1								
G51.0	17.9	18.1								
G52.0	16.8	17.0								
G53.0	15.5	16.0								
G54.0	14.3	15.0								
G55.0	13.2	14.3								
G56.0	12.2	13.3								
G57.0	11.2	12.3								
G58.0	10.3	11.3								
G59.0	9.6	10.8								
G60.0	8.7	9.9								
G61.0	8.1	8.9								
G62.0	7.3	8.3								
G63.0	6.7	7.6								
G64.0	6.1	6.9								
G65.0	5.6	6.1								
G66.0	5.1	5.5								
G67.0	4.5	5.0								
G68.0	4.0	4.2								
G69.0	3.7	3.3								
G70.0	3.2	3.0								
G71.0	2.9	2.4								
G72.0	2.4	2.1								
G73.0	2.1	1.9								

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Humidity:
Inspector: