

Report No.: 55.07526 Euro Recessed
Downlight

Test Time: 2024-10-14 17:24

Luminaire Property

Luminaire Category:

Luminaire Description: 24D

Current: 0.061 A

Power Factor: 0.920

Voltage: 231.6 V

Power: 13.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1005.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H27.3

Vertical Diffuse Angle(50%): V27.3

Luminaire Efficacy Rating (LER): 77

Max. Intensity: 3747.63 cd

Total Rated Lamp Lumens: 1005.1 lm

Efficiency: 100%

Upward Ratio: 0%

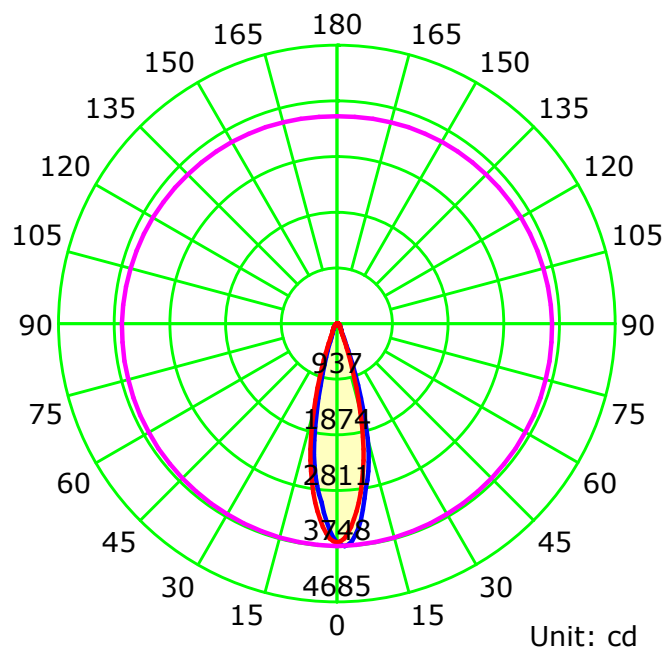
Central Intensity: 3679.6 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G2

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

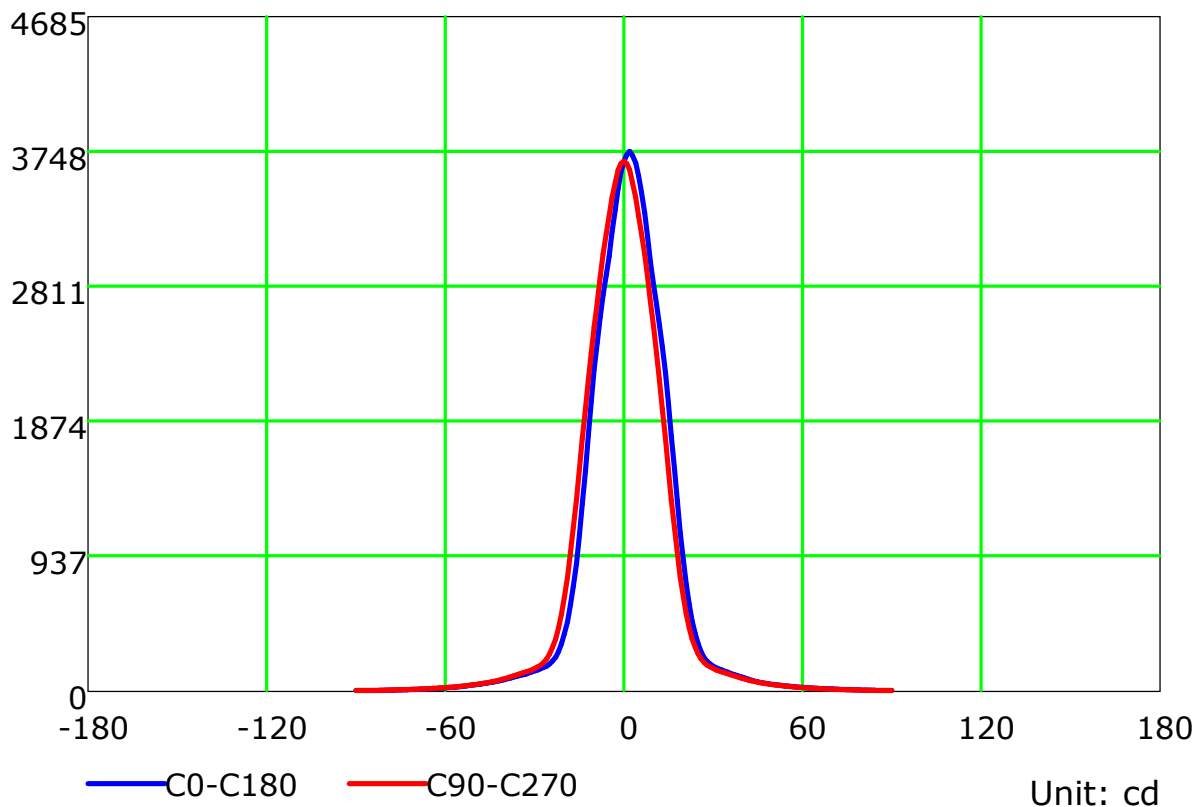
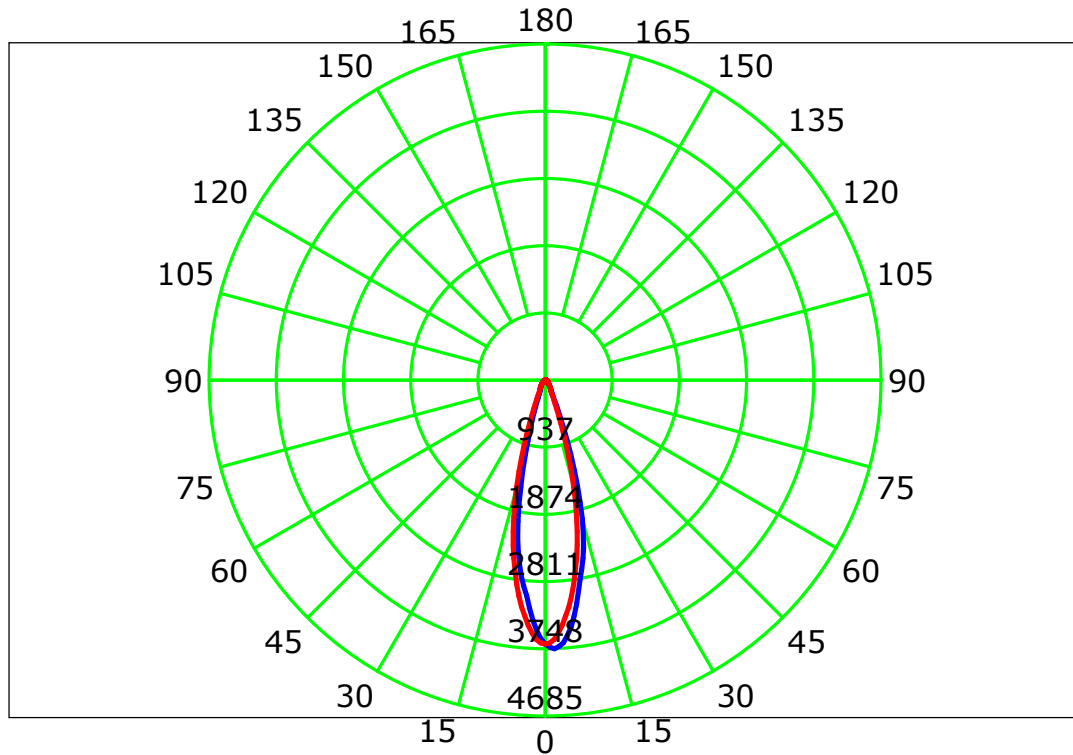
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

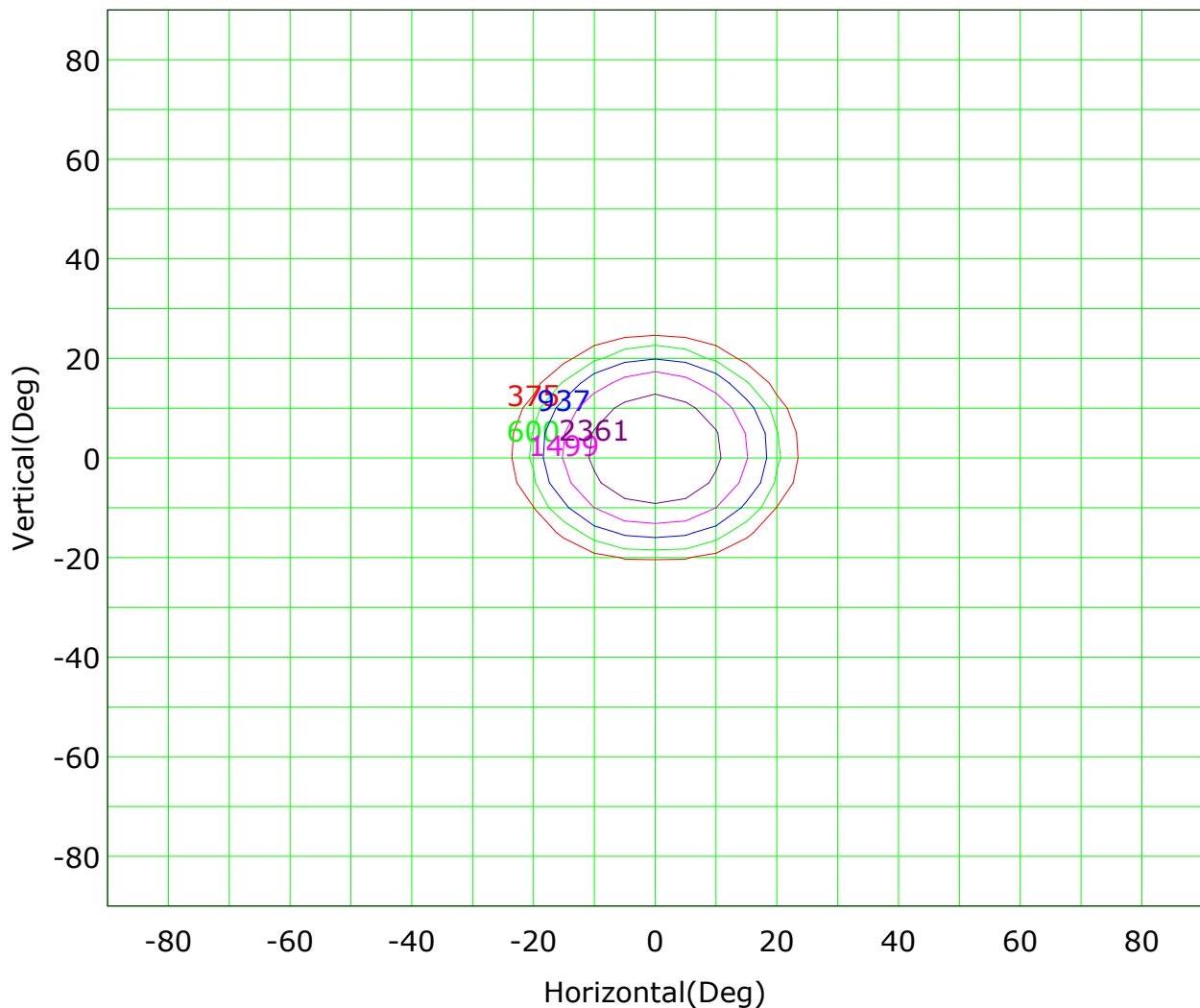
Luminous Intensity Distribution Curve



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%): 3748 cd

(10%): 375 cd	(16%): 600 cd
(25%): 937 cd	(40%): 1499 cd
(63%): 2361 cd	(100%): 3748 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

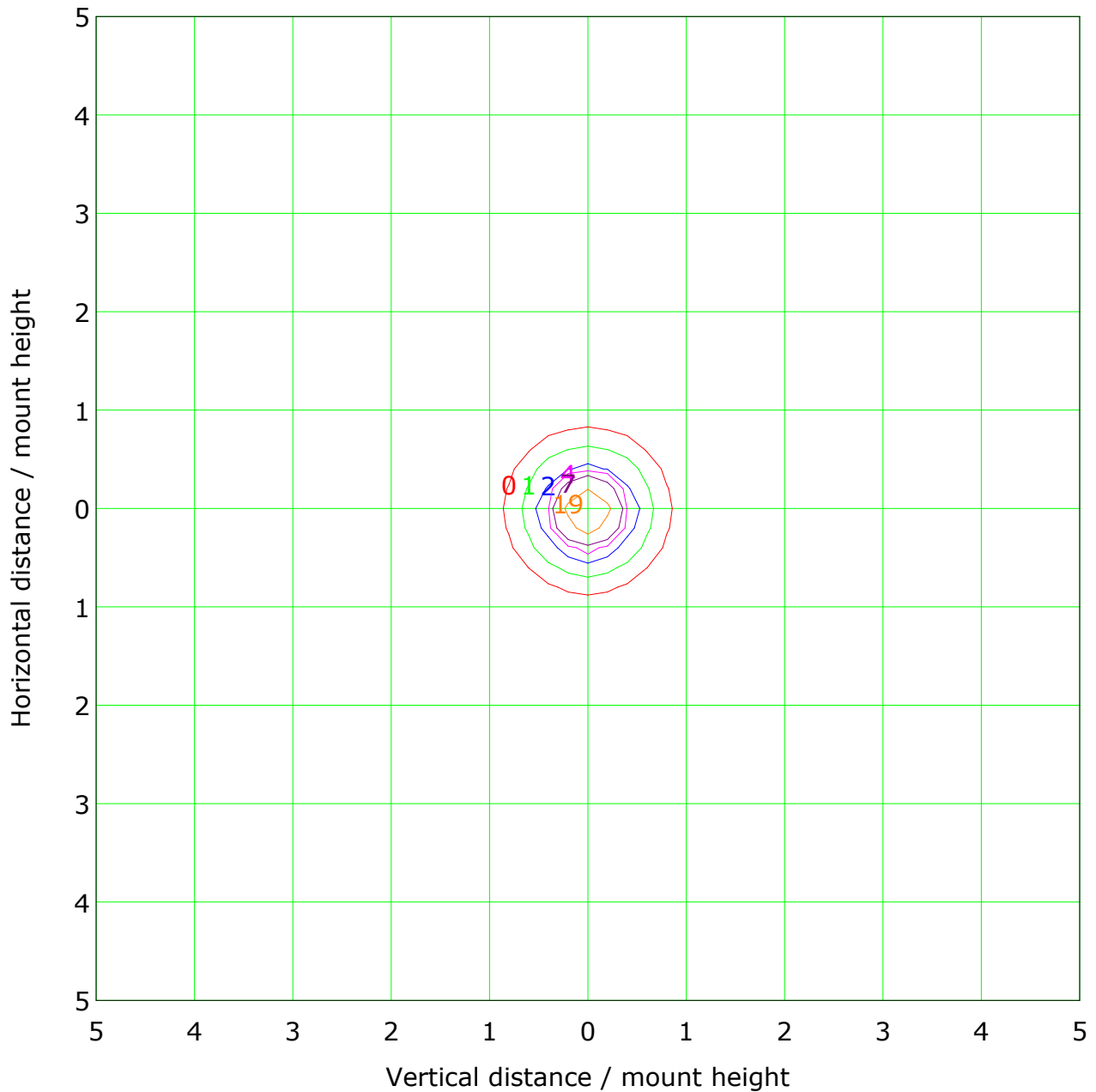
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 37 lx			
— (1%):	0 lx	— (2%):	1 lx
— (5%):	2 lx	— (10%):	4 lx
— (20%):	7 lx	— (50%):	19 lx
— (100%):	37 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

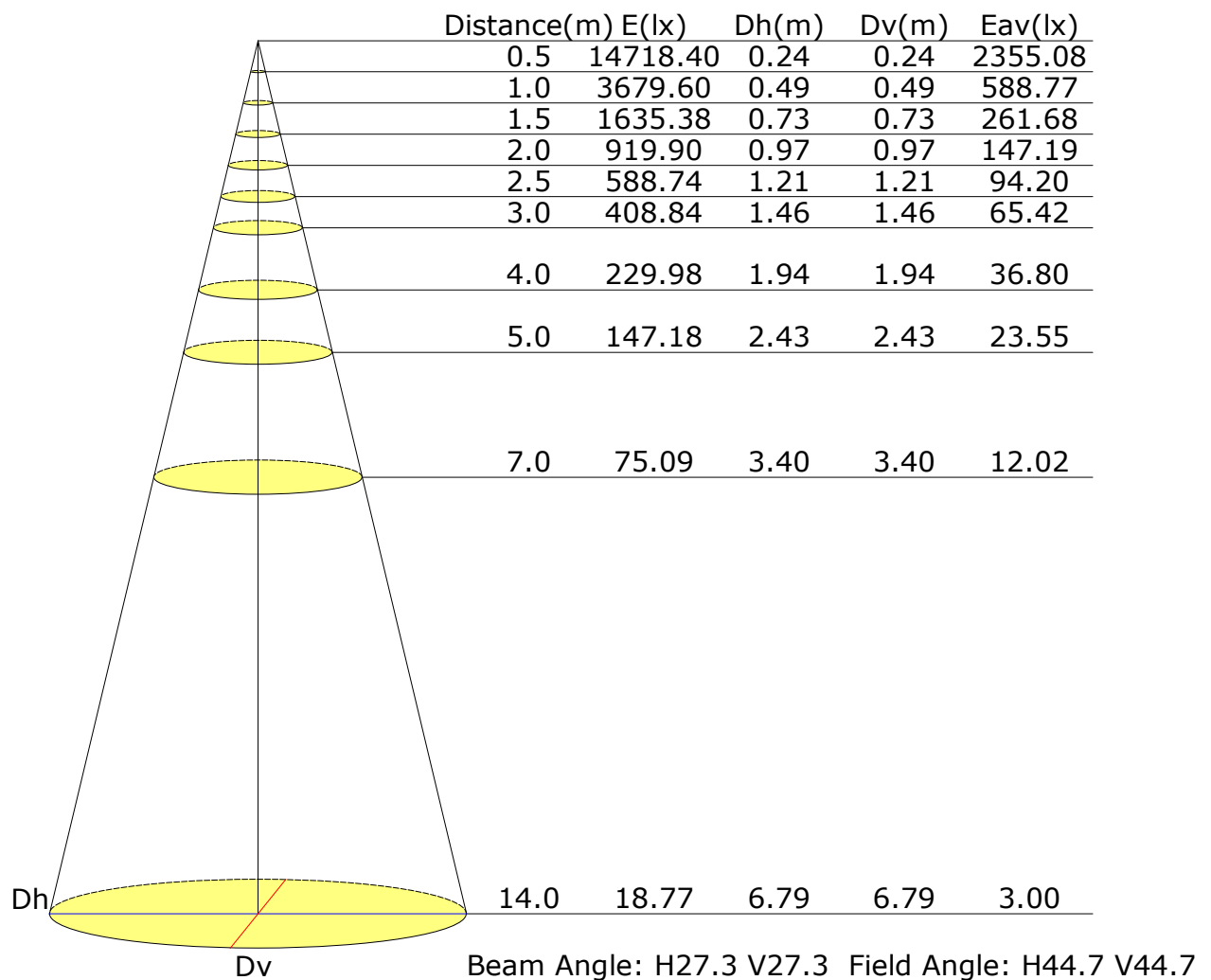
Test Device: CHL-6E

Distance: 3.328 m

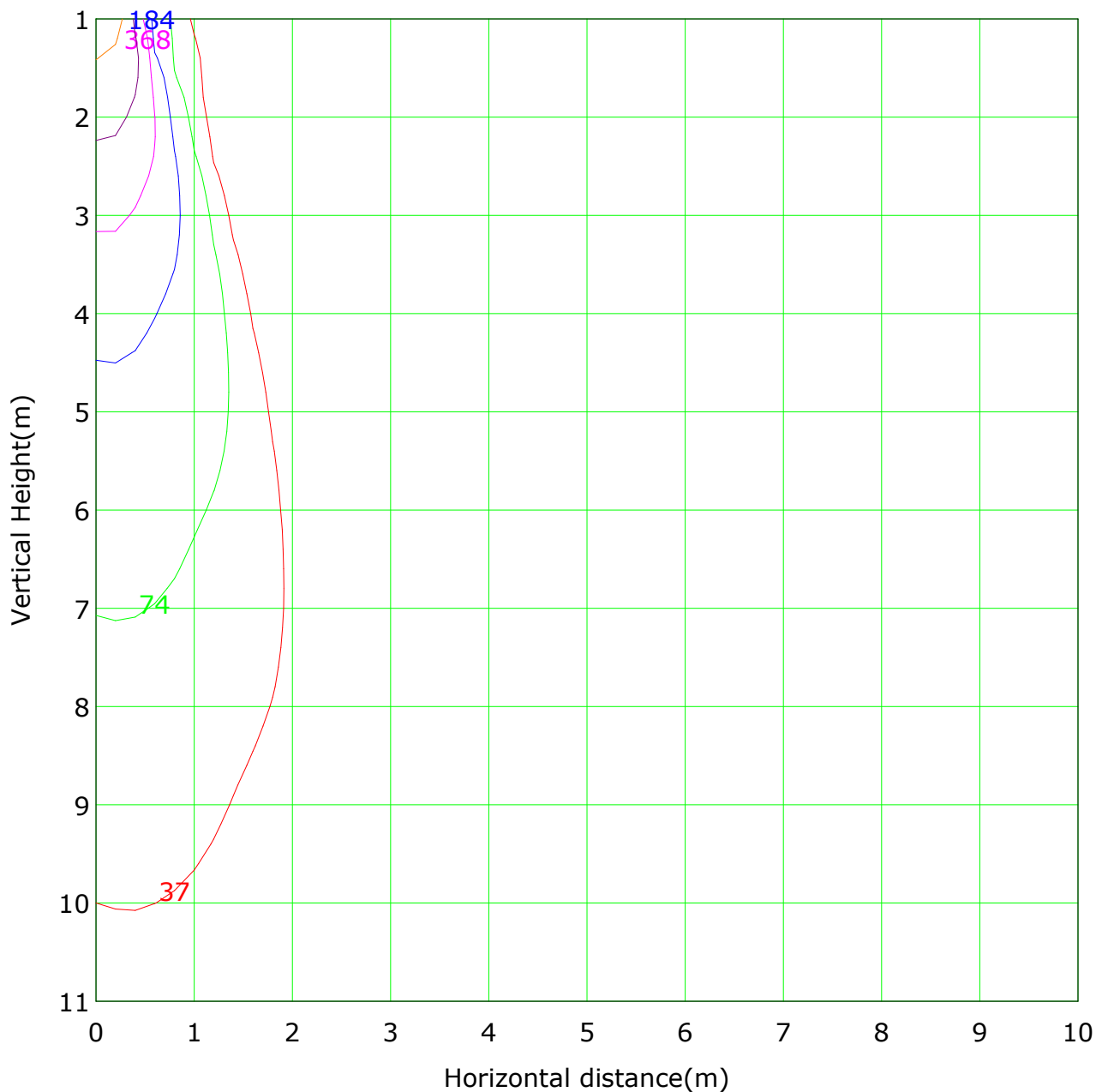
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



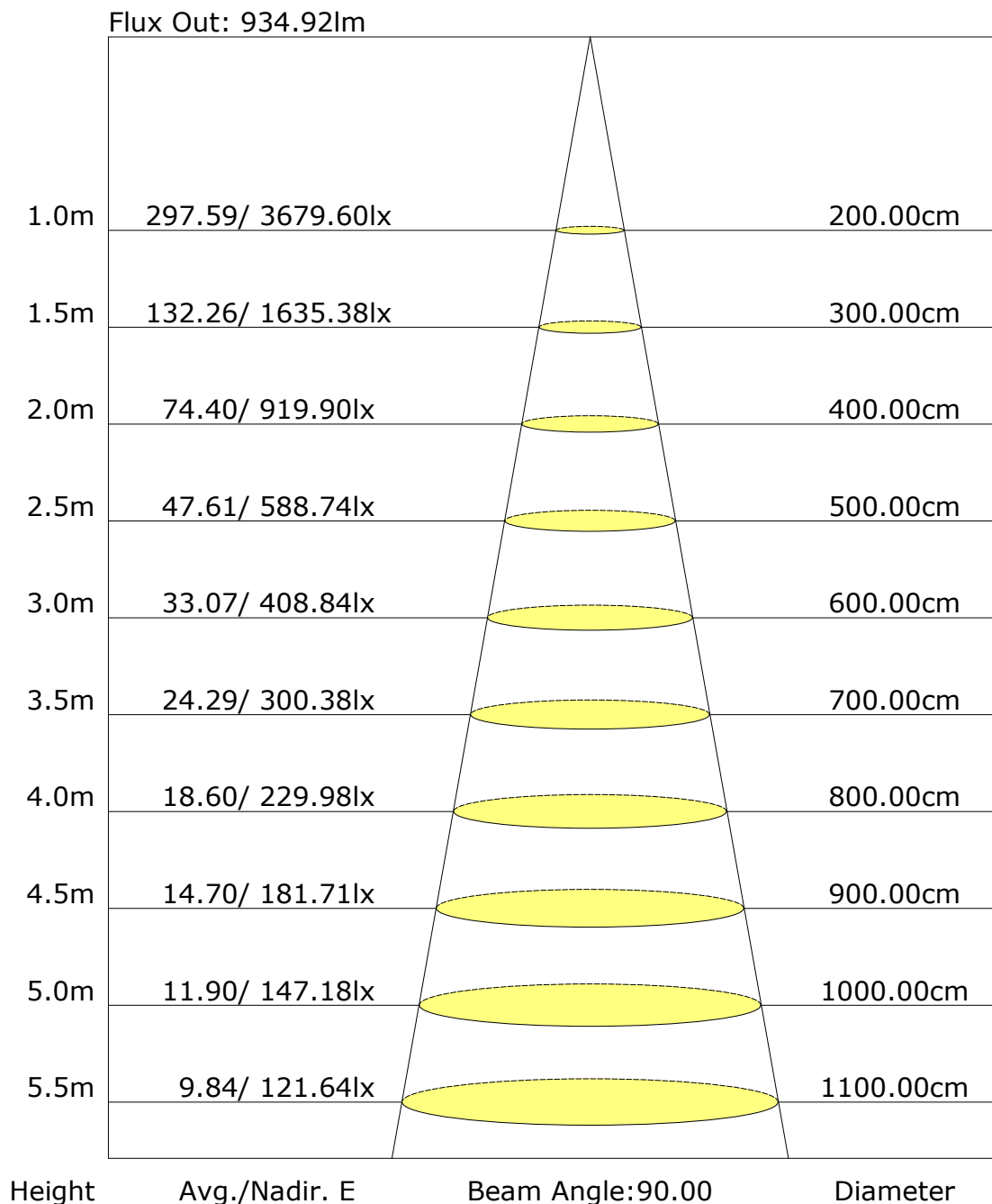
Lowest(m): 1m Highest(m): 11 Max Lux: 3680

(1%): 37 lx	(2%): 74 lx
(5%): 184 lx	(10%): 368 lx
(20%): 736 lx	(50%): 1840 lx
(100%): 3680 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	3672.1	3.5	3.5	0.35	0.35
1.0-2.0	3641.8	10.5	14.0	1.04	1.39
2.0-3.0	3575.2	17.1	31.1	1.70	3.09
3.0-4.0	3480.2	23.3	54.4	2.32	5.41
4.0-5.0	3363.7	28.9	83.3	2.88	8.29
5.0-6.0	3237.4	34.0	117.3	3.39	11.67
6.0-7.0	3105.9	38.6	155.9	3.84	15.51
7.0-8.0	2955.6	42.3	198.2	4.21	19.72
8.0-9.0	2788.1	45.2	243.4	4.50	24.22
9.0-10.0	2613.2	47.3	290.7	4.71	28.92
10.0-11.0	2436.7	48.7	339.4	4.84	33.77
11.0-12.0	2253.3	49.3	388.6	4.90	38.67
12.0-13.0	2059.2	48.9	437.5	4.86	43.53
13.0-14.0	1856.2	47.5	485.0	4.73	48.26
14.0-15.0	1646.3	45.2	530.2	4.50	52.75
15.0-16.0	1433.7	42.0	572.3	4.18	56.93
16.0-17.0	1231.5	38.4	610.6	3.82	60.75
17.0-18.0	1046.1	34.5	645.1	3.43	64.18
18.0-19.0	873.3	30.4	675.5	3.02	67.21
19.0-20.0	719.1	26.3	701.8	2.62	69.83
20.0-21.0	590.5	22.7	724.5	2.26	72.08
21.0-22.0	484.4	19.5	744.0	1.94	74.02
22.0-23.0	397.9	16.7	760.7	1.66	75.68
23.0-24.0	330.0	14.4	775.1	1.44	77.11
24.0-25.0	278.3	12.7	787.7	1.26	78.37
25.0-26.0	238.2	11.2	799.0	1.12	79.49
26.0-27.0	207.7	10.2	809.2	1.01	80.50
27.0-28.0	186.2	9.4	818.6	0.94	81.44
28.0-29.0	171.2	9.0	827.5	0.89	82.33
29.0-30.0	159.3	8.6	836.1	0.86	83.19
30.0-31.0	149.1	8.3	844.4	0.83	84.01
31.0-32.0	140.5	8.1	852.5	0.80	84.82
32.0-33.0	132.9	7.8	860.3	0.78	85.59
33.0-34.0	126.1	7.6	868.0	0.76	86.35
34.0-35.0	119.5	7.4	875.4	0.74	87.09
35.0-36.0	113.0	7.2	882.6	0.72	87.81

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:

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	106.6	7.0	889.5	0.69	88.50
37.0-38.0	100.4	6.7	896.2	0.67	89.17
38.0-39.0	94.0	6.4	902.6	0.64	89.80
39.0-40.0	87.4	6.1	908.7	0.61	90.41
40.0-41.0	81.3	5.8	914.5	0.58	90.99
41.0-42.0	75.9	5.5	920.0	0.55	91.54
42.0-43.0	70.6	5.2	925.3	0.52	92.06
43.0-44.0	65.5	4.9	930.2	0.49	92.55
44.0-45.0	61.0	4.7	934.9	0.47	93.02
45.0-46.0	56.9	4.5	939.4	0.44	93.46
46.0-47.0	53.2	4.2	943.6	0.42	93.88
47.0-48.0	49.8	4.0	947.6	0.40	94.28
48.0-49.0	46.6	3.8	951.4	0.38	94.66
49.0-50.0	43.6	3.6	955.1	0.36	95.02
50.0-51.0	40.8	3.5	958.5	0.34	95.37
51.0-52.0	38.2	3.3	961.8	0.33	95.69
52.0-53.0	35.7	3.1	964.9	0.31	96.00
53.0-54.0	33.3	2.9	967.9	0.29	96.29
54.0-55.0	31.1	2.8	970.6	0.28	96.57
55.0-56.0	29.0	2.6	973.2	0.26	96.83
56.0-57.0	27.0	2.5	975.7	0.25	97.07
57.0-58.0	25.1	2.3	978.0	0.23	97.31
58.0-59.0	23.4	2.2	980.2	0.22	97.52
59.0-60.0	21.8	2.1	982.3	0.20	97.73
60.0-61.0	20.2	1.9	984.2	0.19	97.92
61.0-62.0	18.8	1.8	986.0	0.18	98.10
62.0-63.0	17.4	1.7	987.7	0.17	98.27
63.0-64.0	16.3	1.6	989.3	0.16	98.43
64.0-65.0	15.1	1.5	990.8	0.15	98.58
65.0-66.0	14.0	1.4	992.2	0.14	98.72
66.0-67.0	12.9	1.3	993.5	0.13	98.85
67.0-68.0	11.9	1.2	994.7	0.12	98.97
68.0-69.0	11.1	1.1	995.9	0.11	99.08
69.0-70.0	10.2	1.0	996.9	0.10	99.18
70.0-71.0	9.4	1.0	997.9	0.10	99.28
71.0-72.0	8.7	0.9	998.8	0.09	99.37

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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	3679.6	3679.6								
G1.0	3724.0	3605.2								
G2.0	3747.6	3490.1								
G3.0	3720.8	3342.3								
G4.0	3669.7	3188.2								
G5.0	3578.4	3018.4								
G6.0	3463.5	2889.5								
G7.0	3322.1	2748.6								
G8.0	3156.4	2595.4								
G9.0	2978.0	2422.4								
G10.0	2818.1	2234.1								
G11.0	2687.8	2006.6								
G12.0	2543.4	1775.4								
G13.0	2392.8	1525.3								
G14.0	2211.3	1295.6								
G15.0	2001.1	1077.3								
G16.0	1773.4	883.1								
G17.0	1545.5	723.9								
G18.0	1320.3	594.8								
G19.0	1097.7	480.5								
G20.0	903.8	394.5								
G21.0	738.2	325.4								
G22.0	602.4	271.5								
G23.0	486.2	231.7								
G24.0	396.0	206.0								
G25.0	326.3	184.9								
G26.0	271.4	170.2								
G27.0	229.1	160.3								
G28.0	203.6	151.7								
G29.0	185.0	144.6								
G30.0	170.8	136.6								
G31.0	160.0	129.1								
G32.0	150.5	122.4								
G33.0	143.0	115.7								
G34.0	135.1	110.5								
G35.0	127.1	105.2								
G36.0	120.2	99.4								

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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	113.2	93.7								
G38.0	106.3	88.3								
G39.0	99.1	82.4								
G40.0	91.6	76.6								
G41.0	85.0	72.0								
G42.0	78.3	68.2								
G43.0	71.8	64.1								
G44.0	66.5	59.8								
G45.0	61.5	56.4								
G46.0	57.1	52.8								
G47.0	53.0	49.8								
G48.0	49.5	46.7								
G49.0	46.4	43.7								
G50.0	43.3	41.1								
G51.0	40.5	38.5								
G52.0	38.0	35.8								
G53.0	35.6	33.3								
G54.0	33.3	31.0								
G55.0	31.3	28.8								
G56.0	29.3	26.4								
G57.0	27.7	24.5								
G58.0	25.8	22.6								
G59.0	24.5	20.9								
G60.0	22.8	19.0								
G61.0	21.2	17.8								
G62.0	19.9	16.3								
G63.0	18.8	14.9								
G64.0	17.5	13.9								
G65.0	16.3	12.9								
G66.0	15.0	11.9								
G67.0	13.9	10.9								
G68.0	12.9	9.9								
G69.0	12.2	9.2								
G70.0	11.2	8.3								
G71.0	10.3	7.7								
G72.0	9.7	6.9								
G73.0	8.8	6.3								

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Test Lab:
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Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.328 m
Humidity:
Inspector: