

Report No.: 52.05525 Euro Recessed
Downlight

Test Time: 2024-10-14 17:57

Luminaire Property

Luminaire Category:

Luminaire Description: 36D

Current: 0.055 A

Power Factor: 0.602

Voltage: 230.1 V

Power: 7.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 427.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H32.8

Vertical Diffuse Angle(50%): V32.8

Luminaire Efficacy Rating (LER): 56

Max. Intensity: 1046.19 cd

Total Rated Lamp Lumens: 427.5 lm

Efficiency: 100%

Upward Ratio: 0%

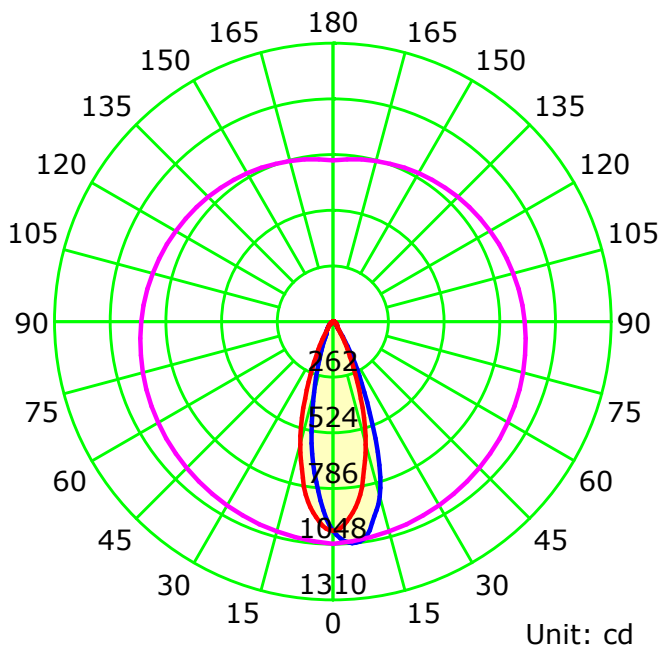
Central Intensity: 983.74 cd

Pos of Max. Intensity: H0 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G6

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

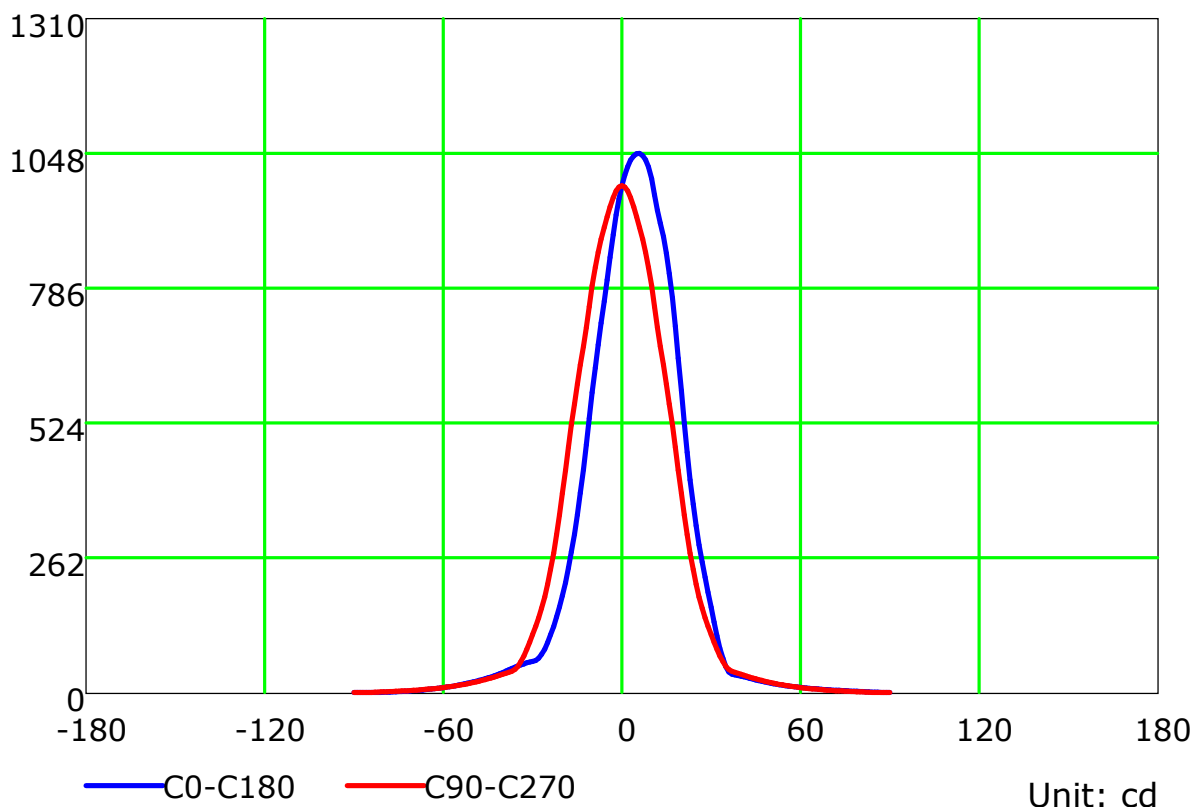
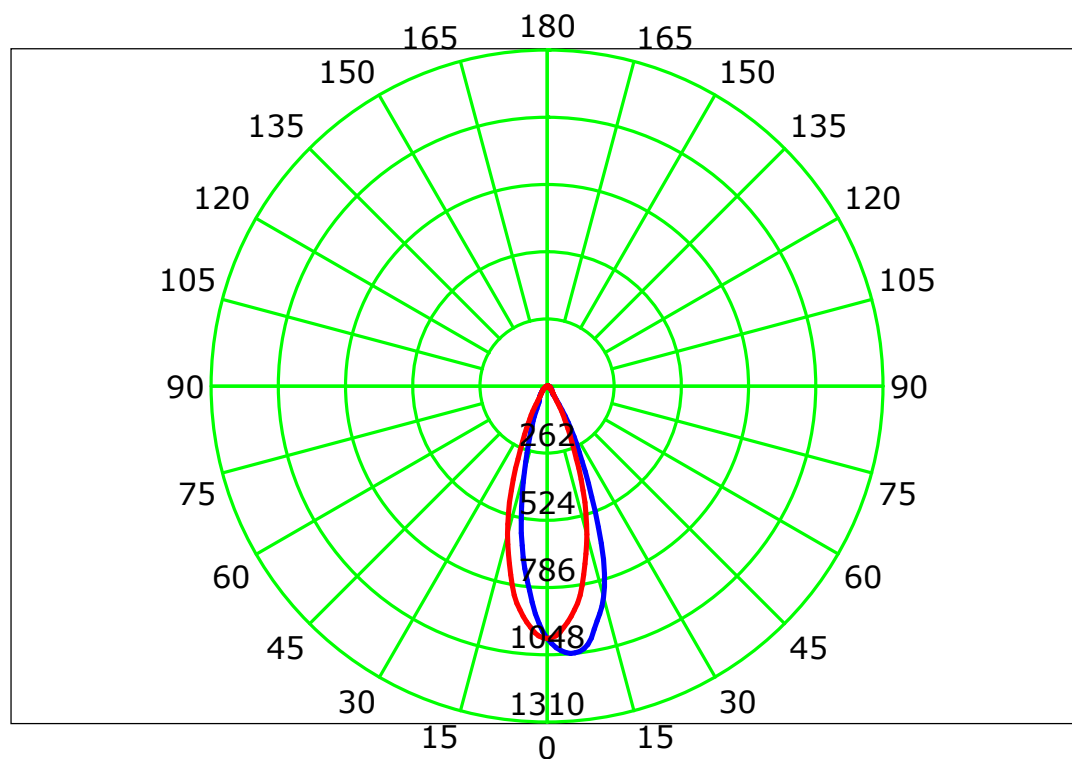
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

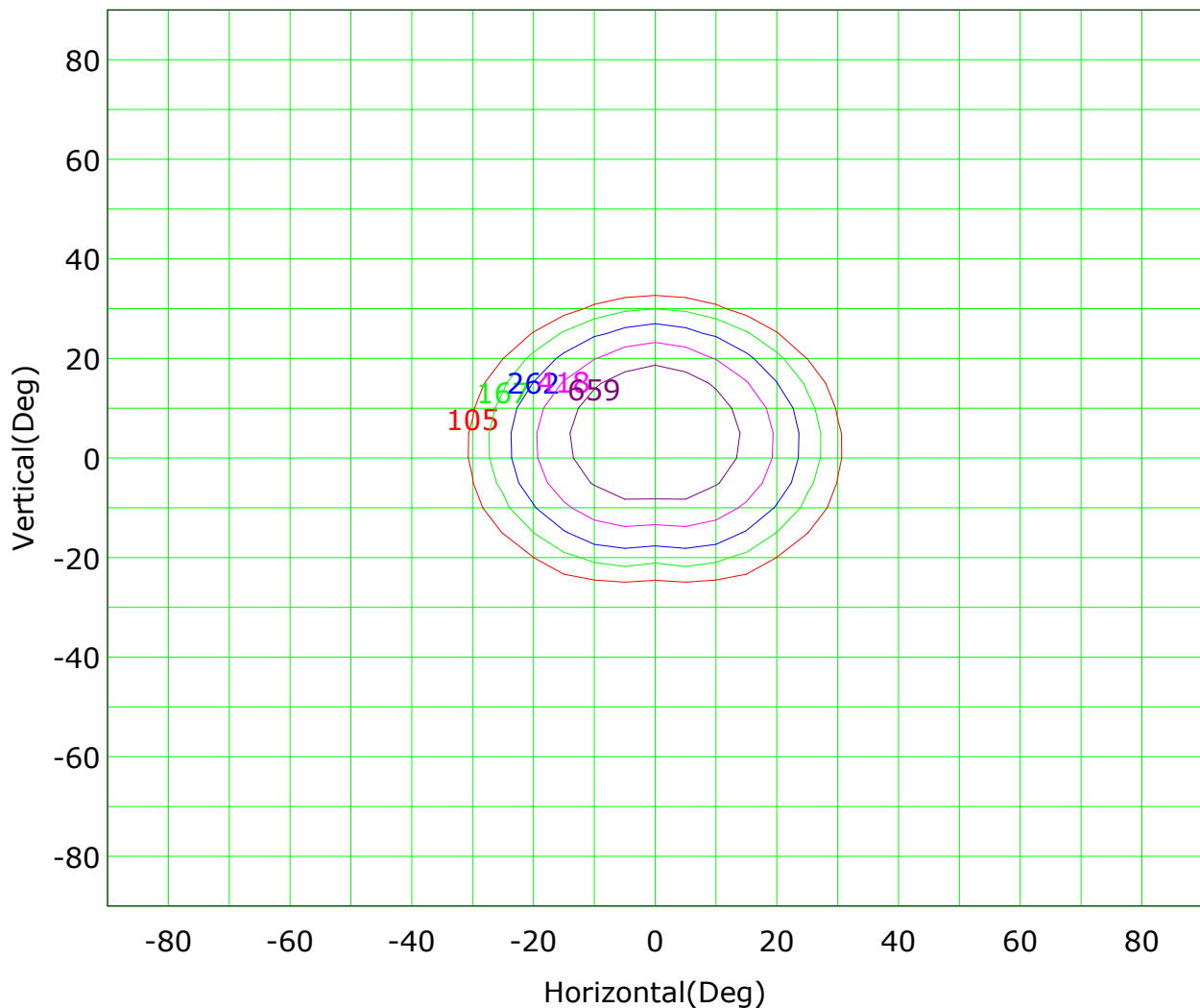
Luminous Intensity Distribution Curve



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%): 1046 cd

(10%): 105 cd	(16%): 167 cd
(25%): 262 cd	(40%): 418 cd
(63%): 659 cd	(100%): 1046 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

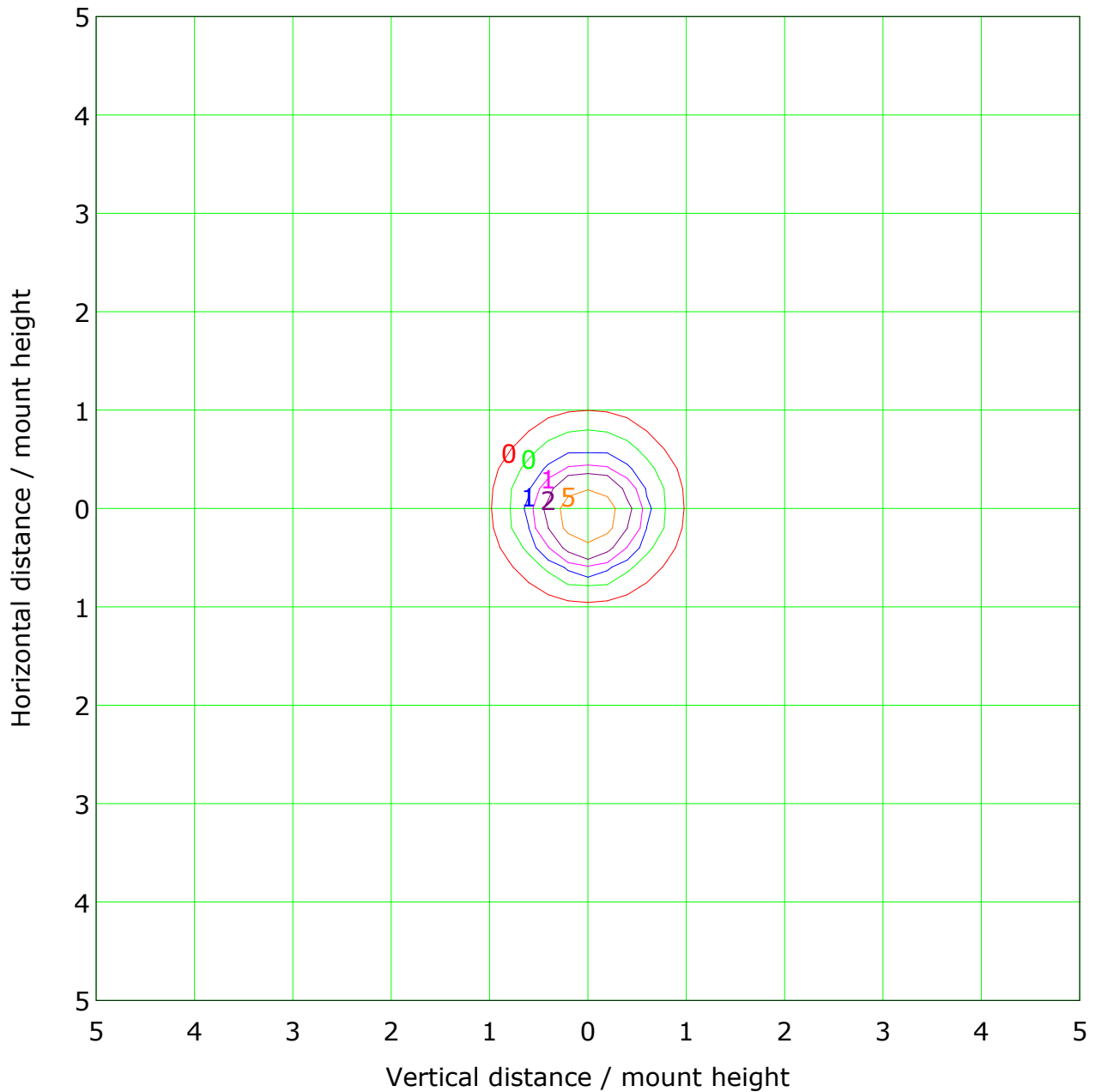
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

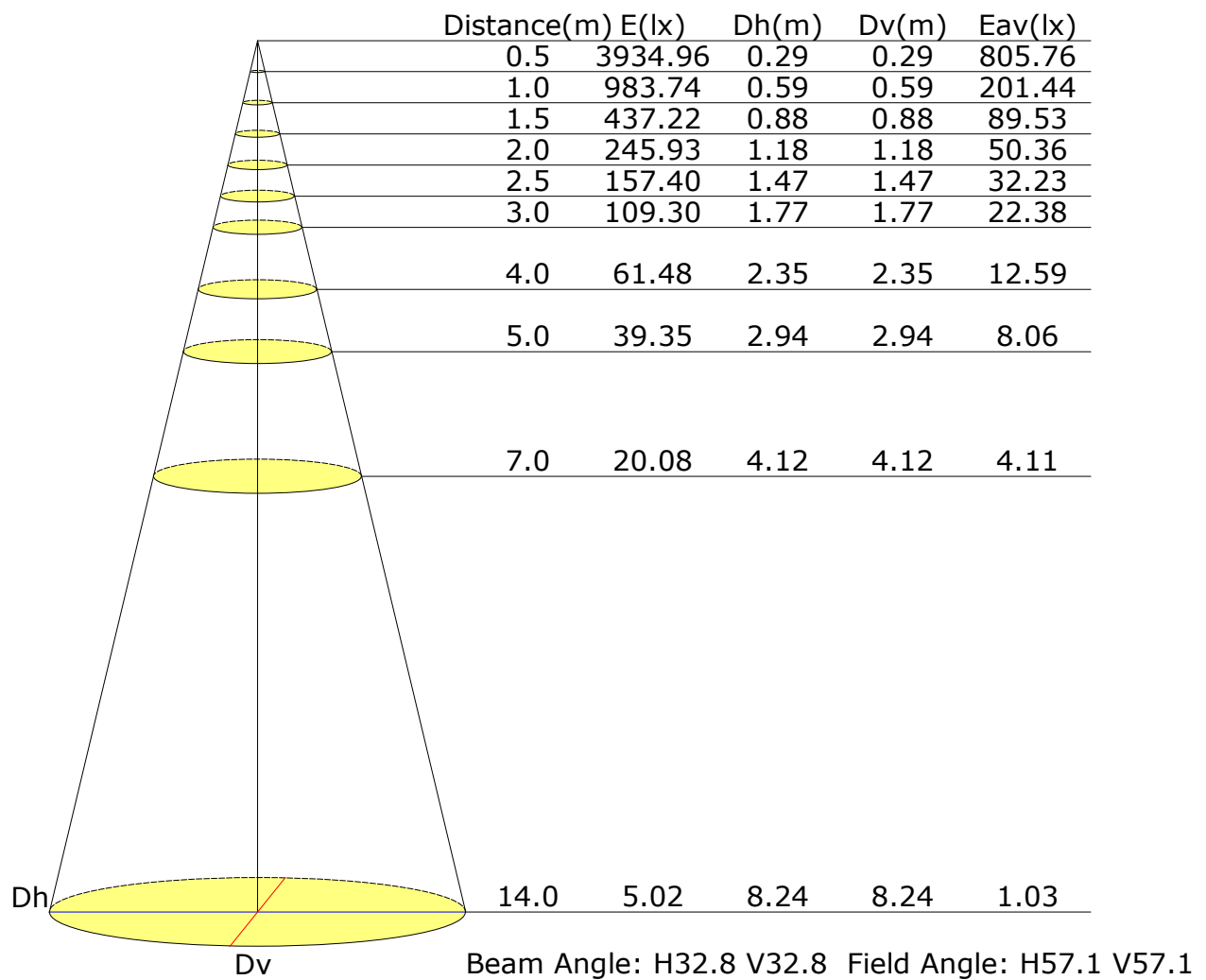


Mounting Height: 10m Max Lux(100%): 10 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	2 lx	— (50%):	5 lx
— (100%):	10 lx		

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



C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

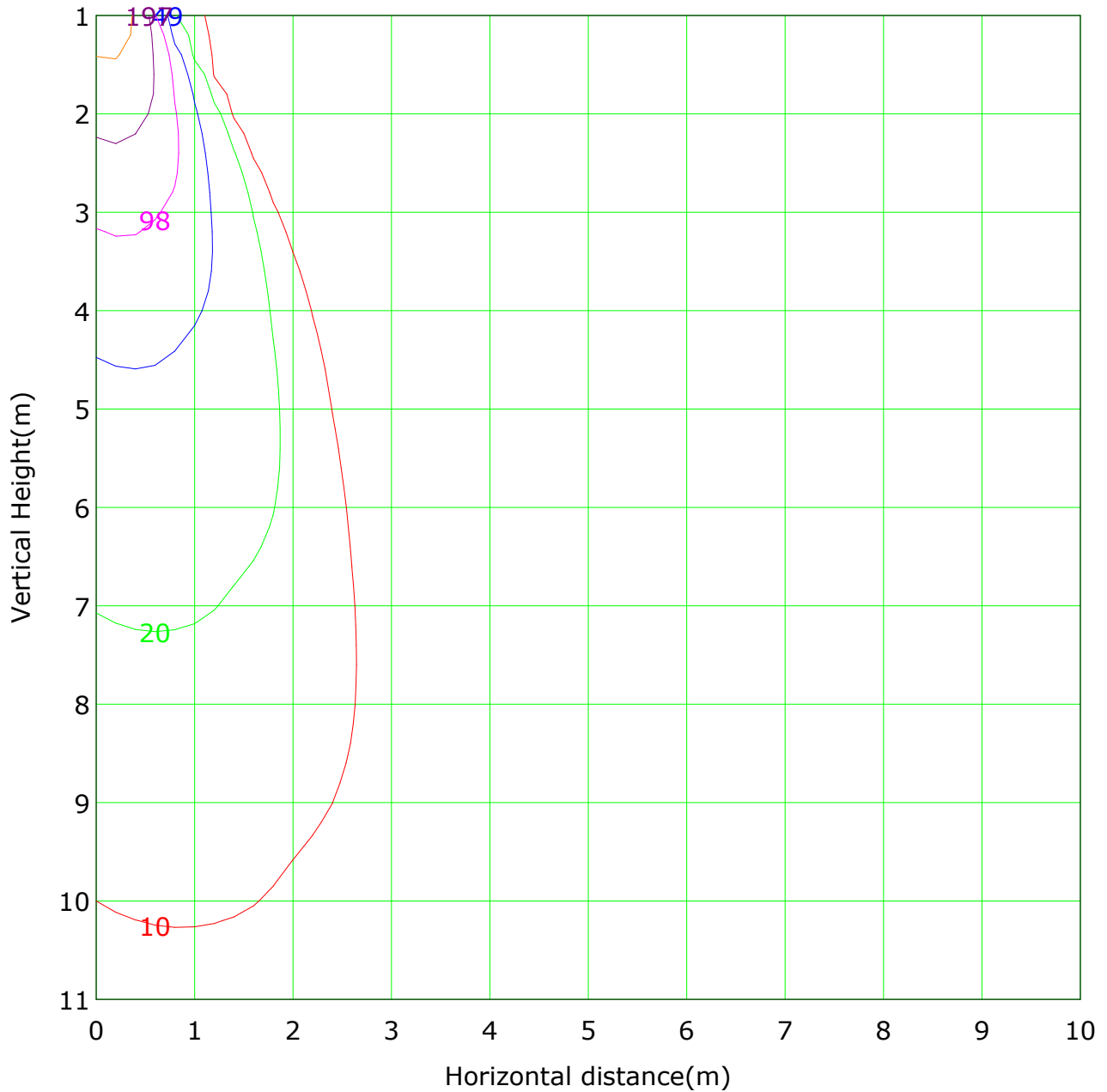
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Vertical IsoLux Plot

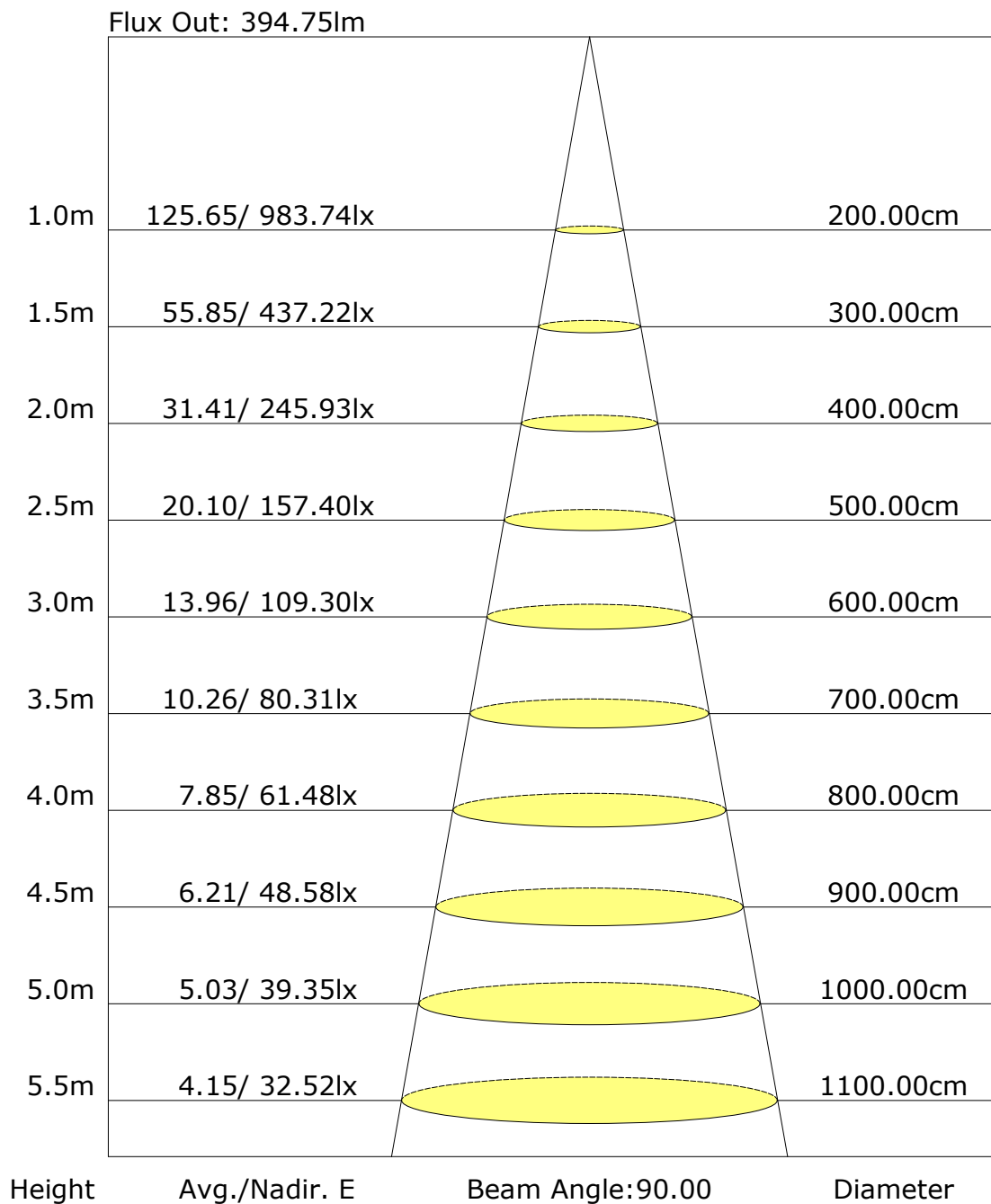


Lowest(m): 1m Highest(m): 11 Max Lux: 984	
(1%): 10 lx	(2%): 20 lx
(5%): 49 lx	(10%): 98 lx
(20%): 197 lx	(50%): 492 lx
(100%): 984 lx	

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	982.6	0.9	0.9	0.22	0.22
1.0-2.0	977.7	2.8	3.7	0.66	0.88
2.0-3.0	967.5	4.6	8.4	1.08	1.96
3.0-4.0	952.0	6.4	14.7	1.49	3.45
4.0-5.0	933.2	8.0	22.8	1.88	5.33
5.0-6.0	913.2	9.6	32.4	2.25	7.57
6.0-7.0	891.3	11.1	43.4	2.59	10.16
7.0-8.0	867.2	12.4	55.9	2.90	13.07
8.0-9.0	839.8	13.6	69.5	3.18	16.25
9.0-10.0	807.5	14.6	84.1	3.42	19.67
10.0-11.0	769.3	15.4	99.5	3.60	23.27
11.0-12.0	728.7	15.9	115.4	3.73	26.99
12.0-13.0	690.4	16.4	131.8	3.83	30.83
13.0-14.0	654.1	16.7	148.5	3.92	34.74
14.0-15.0	617.4	17.0	165.5	3.97	38.71
15.0-16.0	579.5	17.0	182.5	3.97	42.68
16.0-17.0	539.9	16.8	199.3	3.93	46.62
17.0-18.0	498.0	16.4	215.7	3.84	50.46
18.0-19.0	453.8	15.8	231.5	3.69	54.15
19.0-20.0	409.1	15.0	246.5	3.50	57.65
20.0-21.0	365.8	14.0	260.5	3.29	60.94
21.0-22.0	325.5	13.1	273.6	3.06	64.00
22.0-23.0	288.5	12.1	285.7	2.83	66.83
23.0-24.0	254.8	11.1	296.8	2.61	69.44
24.0-25.0	224.6	10.2	307.1	2.39	71.83
25.0-26.0	198.0	9.3	316.4	2.19	74.02
26.0-27.0	174.6	8.5	324.9	2.00	76.01
27.0-28.0	154.4	7.8	332.8	1.83	77.84
28.0-29.0	137.0	7.2	339.9	1.68	79.52
29.0-30.0	120.9	6.5	346.5	1.53	81.05
30.0-31.0	105.6	5.9	352.3	1.37	82.42
31.0-32.0	91.1	5.2	357.6	1.22	83.64
32.0-33.0	77.4	4.6	362.1	1.07	84.71
33.0-34.0	65.4	4.0	366.1	0.93	85.63
34.0-35.0	55.4	3.4	369.5	0.81	86.44
35.0-36.0	47.9	3.1	372.6	0.71	87.15

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	43.2	2.8	375.4	0.66	87.81
37.0-38.0	40.5	2.7	378.1	0.63	88.45
38.0-39.0	38.5	2.6	380.7	0.62	89.06
39.0-40.0	36.5	2.5	383.3	0.60	89.66
40.0-41.0	34.5	2.5	385.7	0.58	90.23
41.0-42.0	32.8	2.4	388.1	0.56	90.79
42.0-43.0	31.1	2.3	390.4	0.54	91.33
43.0-44.0	29.3	2.2	392.6	0.52	91.85
44.0-45.0	27.6	2.1	394.7	0.50	92.34
45.0-46.0	25.9	2.0	396.8	0.47	92.82
46.0-47.0	24.4	1.9	398.7	0.45	93.27
47.0-48.0	23.0	1.9	400.6	0.43	93.71
48.0-49.0	21.6	1.8	402.3	0.42	94.12
49.0-50.0	20.3	1.7	404.0	0.40	94.52
50.0-51.0	19.0	1.6	405.6	0.38	94.89
51.0-52.0	17.9	1.5	407.2	0.36	95.25
52.0-53.0	16.7	1.5	408.6	0.34	95.59
53.0-54.0	15.6	1.4	410.0	0.32	95.91
54.0-55.0	14.6	1.3	411.3	0.31	96.22
55.0-56.0	13.6	1.2	412.5	0.29	96.51
56.0-57.0	12.6	1.2	413.7	0.27	96.78
57.0-58.0	11.8	1.1	414.8	0.26	97.03
58.0-59.0	11.1	1.0	415.8	0.24	97.28
59.0-60.0	10.4	1.0	416.8	0.23	97.51
60.0-61.0	9.6	0.9	417.7	0.21	97.72
61.0-62.0	8.9	0.9	418.6	0.20	97.92
62.0-63.0	8.3	0.8	419.4	0.19	98.11
63.0-64.0	7.7	0.8	420.2	0.18	98.29
64.0-65.0	7.2	0.7	420.9	0.17	98.45
65.0-66.0	6.6	0.7	421.5	0.15	98.61
66.0-67.0	6.0	0.6	422.1	0.14	98.75
67.0-68.0	5.6	0.6	422.7	0.13	98.88
68.0-69.0	5.2	0.5	423.2	0.12	99.01
69.0-70.0	4.7	0.5	423.7	0.11	99.12
70.0-71.0	4.3	0.4	424.2	0.10	99.22
71.0-72.0	3.9	0.4	424.6	0.09	99.32

C Plane (°):0.0-180.0: 180.0
Test Lab:
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Temperature:
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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	983.7	983.7								
G1.0	1004.5	958.5								
G2.0	1020.6	927.4								
G3.0	1033.2	888.9								
G4.0	1041.5	844.5								
G5.0	1046.1	800.9								
G6.0	1046.2	759.5								
G7.0	1042.3	717.3								
G8.0	1034.2	675.0								
G9.0	1020.1	630.0								
G10.0	997.5	582.1								
G11.0	965.6	532.1								
G12.0	936.2	481.1								
G13.0	911.4	432.9								
G14.0	884.8	387.3								
G15.0	852.4	345.1								
G16.0	813.5	307.0								
G17.0	766.1	273.0								
G18.0	710.7	242.1								
G19.0	649.0	213.4								
G20.0	585.8	188.0								
G21.0	523.4	166.1								
G22.0	466.0	146.6								
G23.0	412.9	128.5								
G24.0	365.9	111.9								
G25.0	323.8	97.1								
G26.0	286.5	84.4								
G27.0	253.4	74.0								
G28.0	223.7	66.7								
G29.0	194.8	62.7								
G30.0	165.4	60.7								
G31.0	136.7	59.6								
G32.0	110.1	57.8								
G33.0	85.8	55.9								
G34.0	66.1	53.9								
G35.0	50.0	51.8								
G36.0	40.2	49.7								

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	35.9	47.2								
G38.0	34.4	44.7								
G39.0	33.0	42.1								
G40.0	31.8	39.1								
G41.0	30.5	36.8								
G42.0	29.3	34.5								
G43.0	27.8	32.7								
G44.0	26.4	30.4								
G45.0	24.8	28.7								
G46.0	23.3	26.9								
G47.0	21.9	25.5								
G48.0	20.7	23.8								
G49.0	19.5	22.4								
G50.0	18.4	20.9								
G51.0	17.3	19.6								
G52.0	16.3	18.4								
G53.0	15.3	16.9								
G54.0	14.4	15.8								
G55.0	13.7	14.6								
G56.0	12.8	13.4								
G57.0	11.9	12.4								
G58.0	11.4	11.6								
G59.0	10.8	10.8								
G60.0	10.1	9.8								
G61.0	9.6	8.9								
G62.0	8.9	8.3								
G63.0	8.3	7.6								
G64.0	7.9	6.9								
G65.0	7.6	6.3								
G66.0	6.9	5.7								
G67.0	6.5	5.0								
G68.0	6.1	4.7								
G69.0	5.7	4.2								
G70.0	5.2	3.8								
G71.0	4.8	3.2								
G72.0	4.5	3.0								
G73.0	4.7	2.6								

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: