

Report No.: 52.05525 Euro Recessed
Downlight

Test Time: 2024-10-14 18:00

Luminaire Property

Luminaire Category:

Luminaire Description: 50D

Current: 0.056 A

Power Factor: 0.600

Voltage: 228.2 V

Power: 7.70 W

Photometric Results

CIE Class: Direct

Measurement Flux: 361.3 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H47.4

Vertical Diffuse Angle(50%): V47.4

Luminaire Efficacy Rating (LER): 47

Max. Intensity: 519.31 cd

Total Rated Lamp Lumens: 361.3 lm

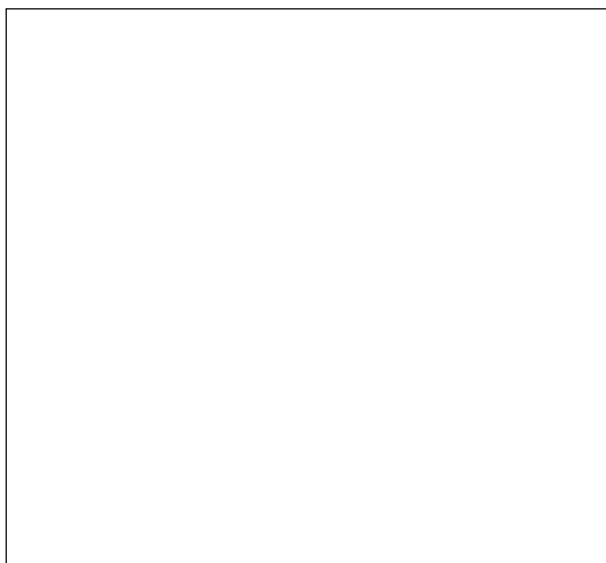
Efficiency: 100%

Upward Ratio: 0%

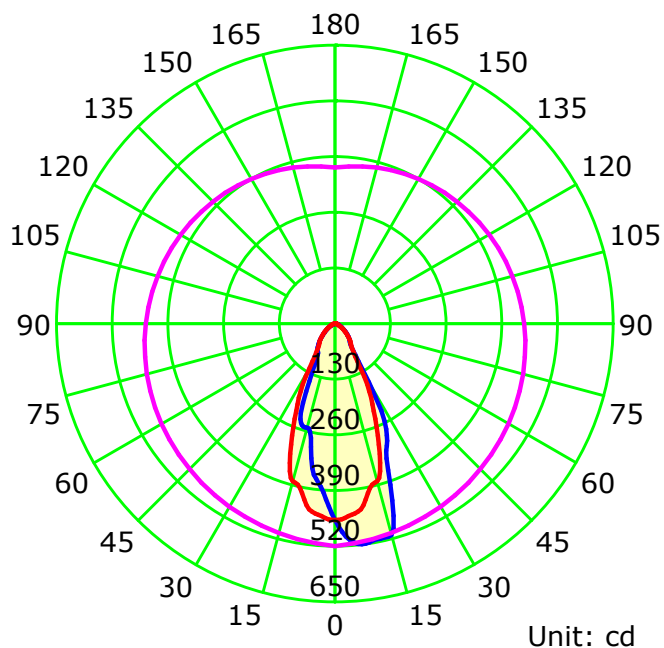
Central Intensity: 458.72 cd

Pos of Max. Intensity: H0 V7

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G7

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

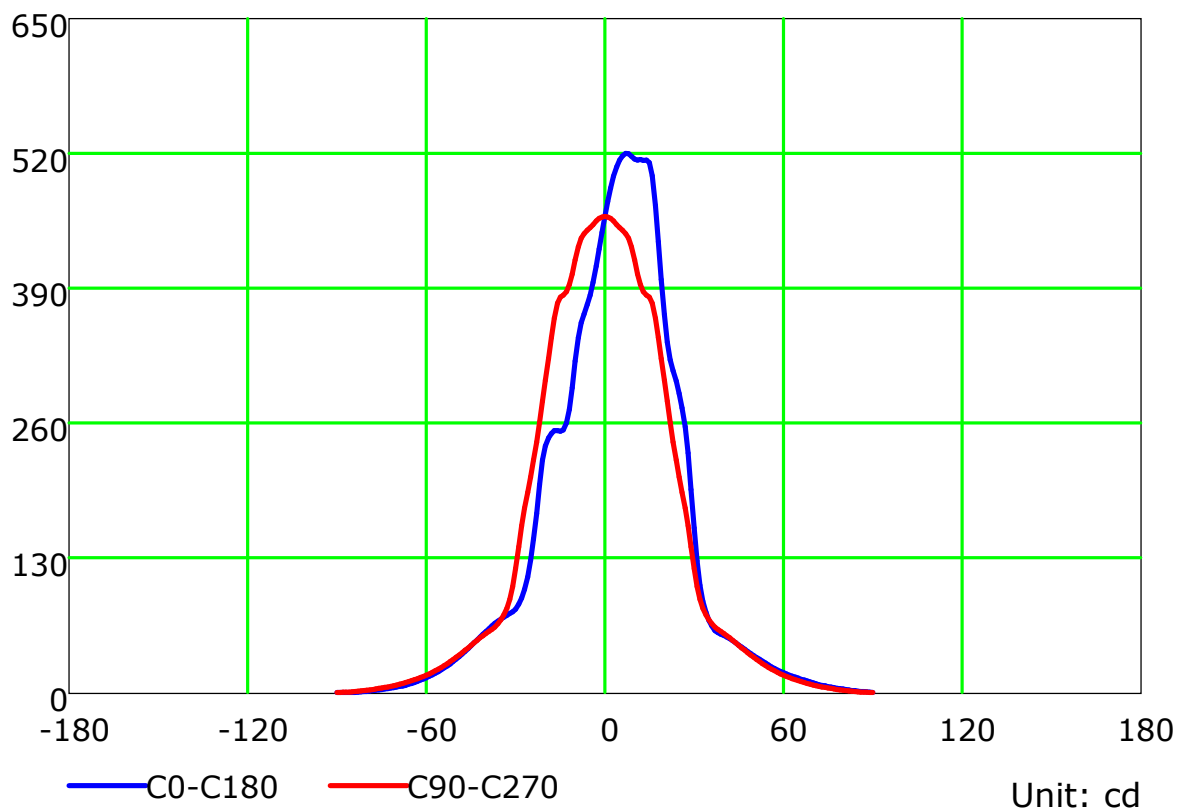
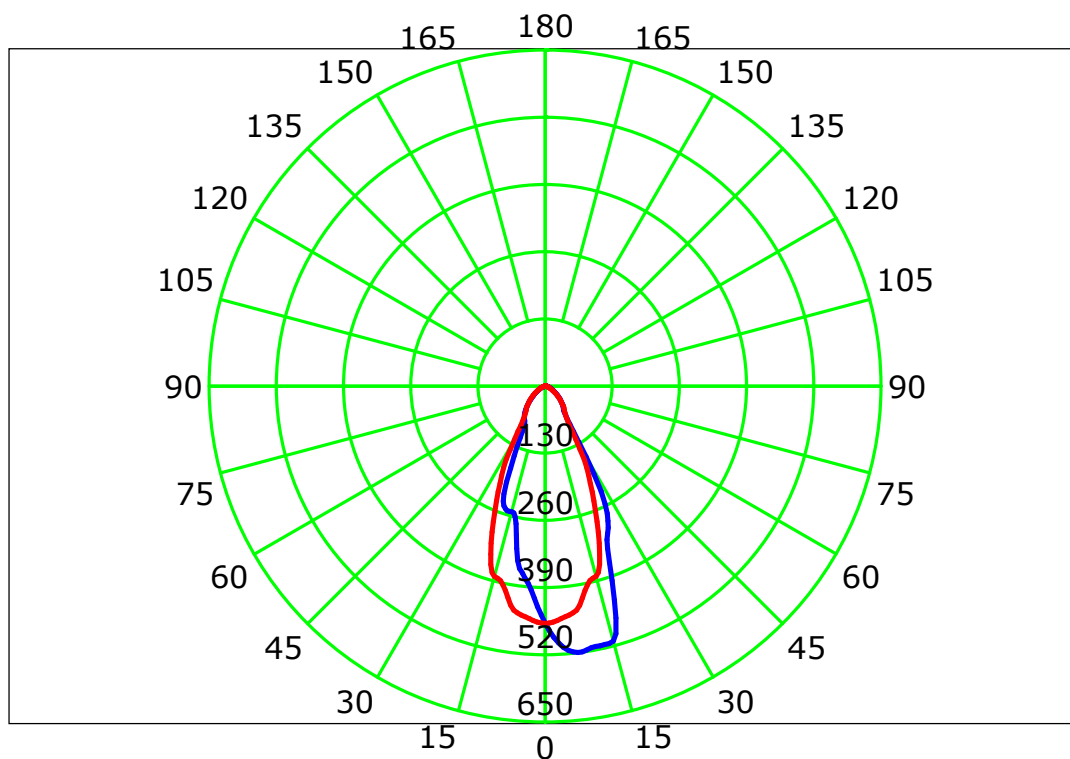
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

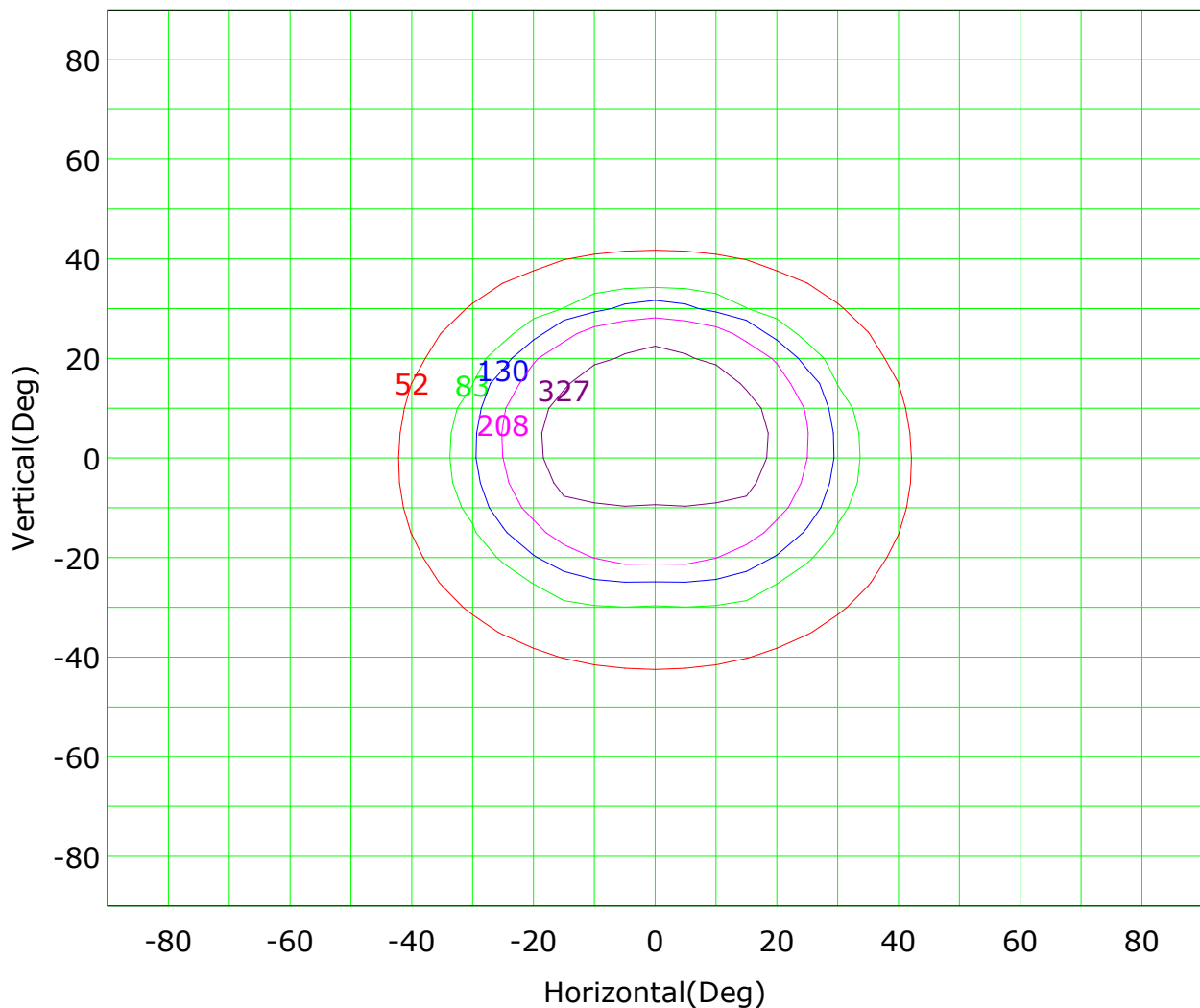
Luminous Intensity Distribution Curve



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%): 519 cd

(10%):	52 cd	(16%):	83 cd
(25%):	130 cd	(40%):	208 cd
(63%):	327 cd	(100%):	519 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

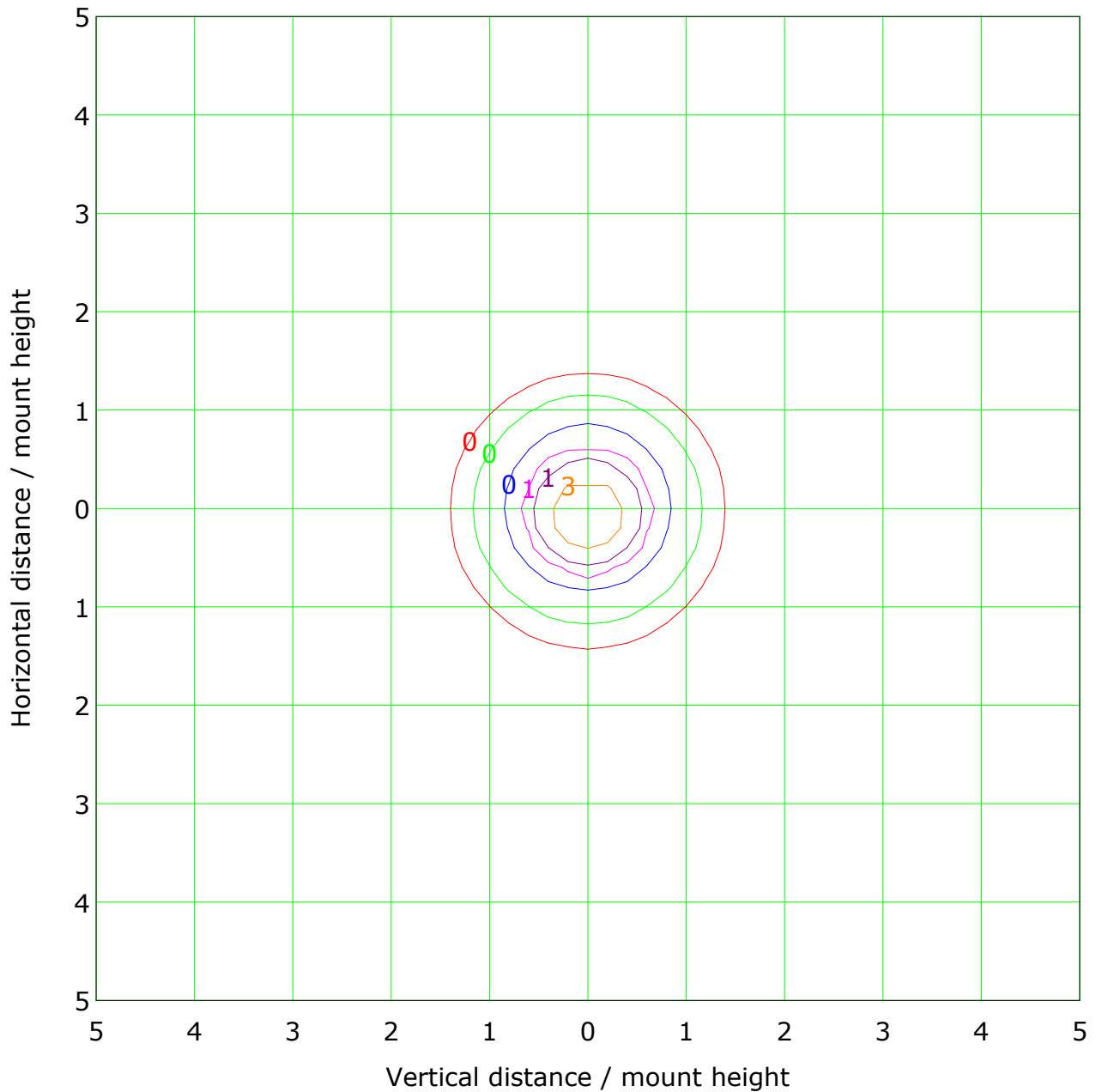
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

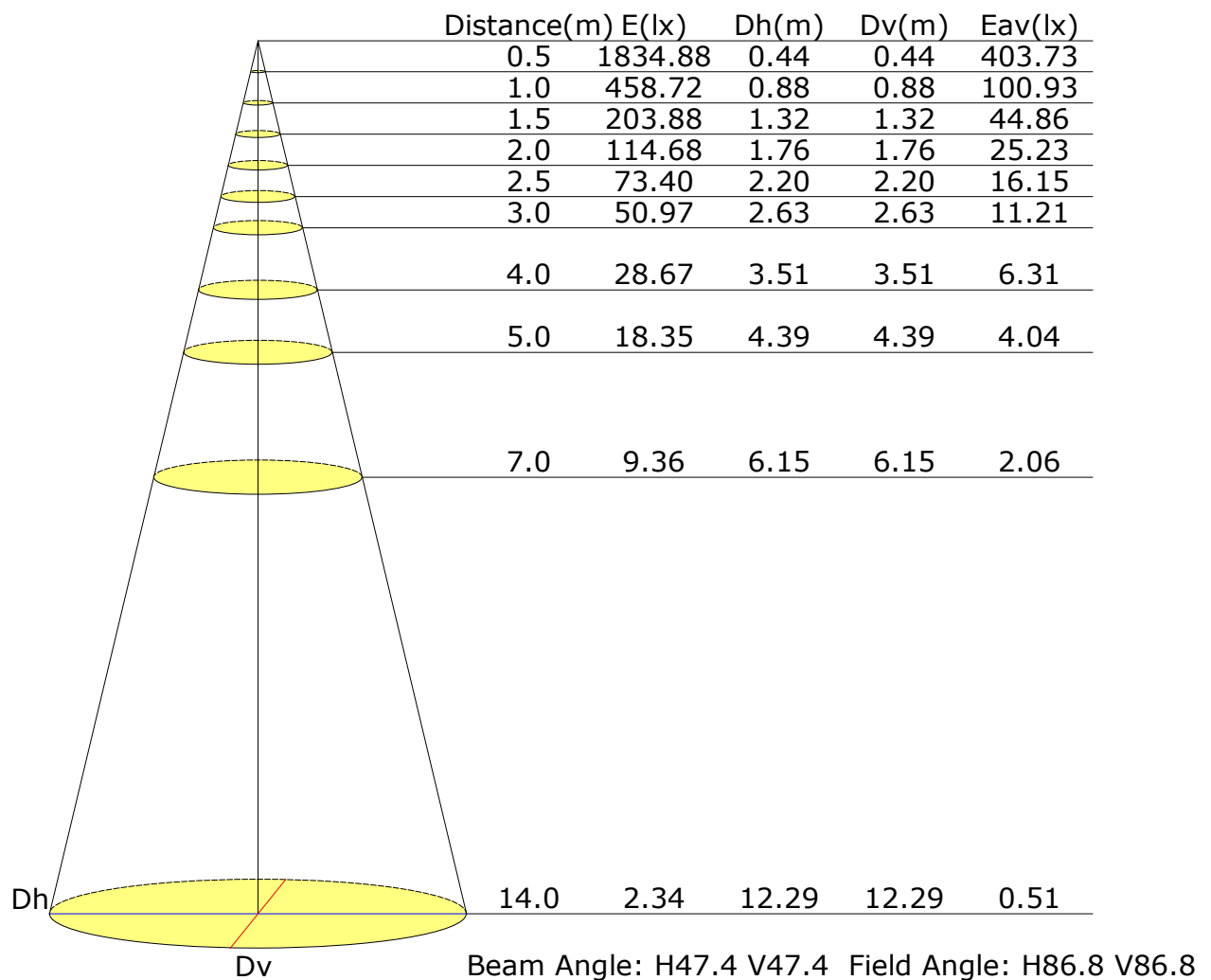


Mounting Height: 10m		Max Lux(100%): 5 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	1 lx
(20%):	1 lx	(50%):	3 lx
(100%):	5 lx		

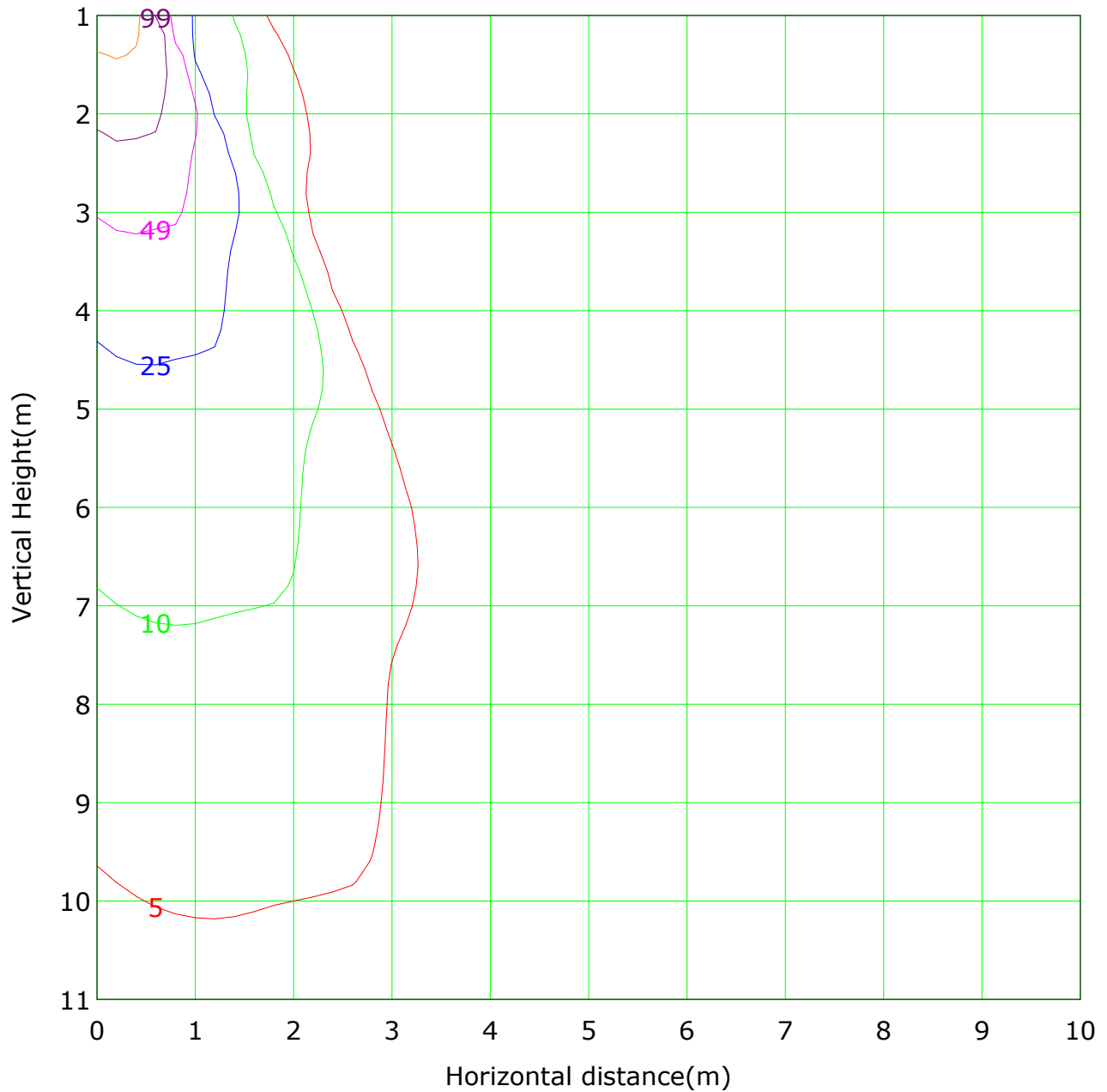
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



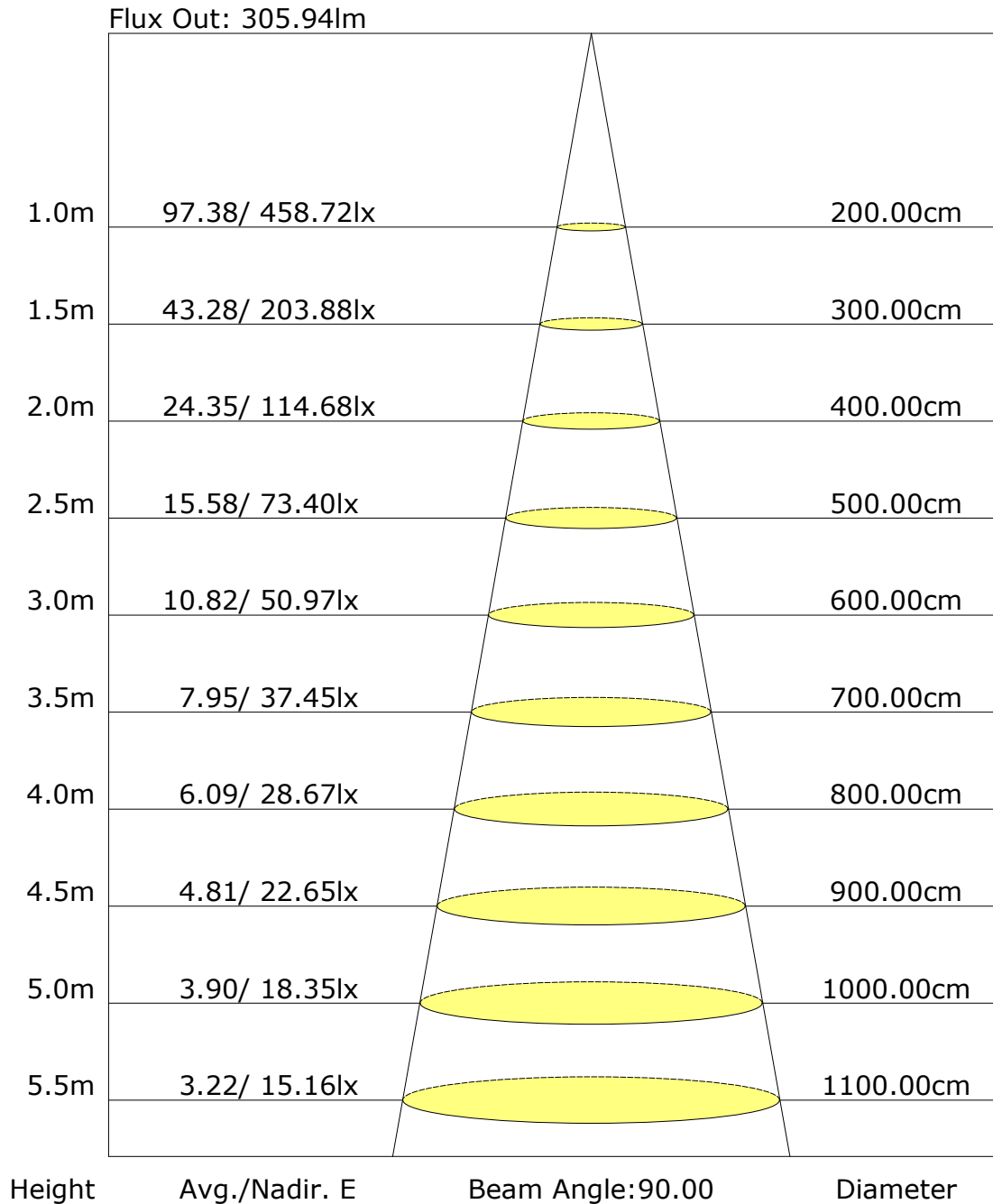
Lowest(m): 1m Highest(m): 11 Max Lux: 493

(1%): 5 lx	(2%): 10 lx
(5%): 25 lx	(10%): 49 lx
(20%): 99 lx	(50%): 247 lx
(100%): 493 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	458.5	0.4	0.4	0.12	0.12
1.0-2.0	457.5	1.3	1.8	0.36	0.48
2.0-3.0	455.5	2.2	3.9	0.60	1.09
3.0-4.0	452.5	3.0	7.0	0.84	1.93
4.0-5.0	449.4	3.9	10.8	1.07	3.00
5.0-6.0	446.7	4.7	15.5	1.30	4.30
6.0-7.0	443.8	5.5	21.0	1.52	5.82
7.0-8.0	439.9	6.3	27.3	1.74	7.56
8.0-9.0	433.5	7.0	34.4	1.95	9.51
9.0-10.0	423.0	7.7	42.0	2.12	11.63
10.0-11.0	410.0	8.2	50.2	2.27	13.90
11.0-12.0	398.3	8.7	58.9	2.41	16.31
12.0-13.0	389.7	9.2	68.2	2.56	18.87
13.0-14.0	384.6	9.8	78.0	2.73	21.59
14.0-15.0	382.1	10.5	88.5	2.90	24.50
15.0-16.0	378.1	11.1	99.6	3.07	27.56
16.0-17.0	367.9	11.5	111.0	3.17	30.74
17.0-18.0	351.4	11.6	122.6	3.21	33.94
18.0-19.0	331.8	11.5	134.2	3.20	37.14
19.0-20.0	311.3	11.4	145.6	3.15	40.29
20.0-21.0	290.8	11.2	156.7	3.09	43.38
21.0-22.0	270.6	10.9	167.6	3.01	46.39
22.0-23.0	250.8	10.5	178.1	2.91	49.31
23.0-24.0	232.6	10.2	188.3	2.82	52.12
24.0-25.0	215.9	9.8	198.1	2.72	54.84
25.0-26.0	200.3	9.5	207.6	2.62	57.46
26.0-27.0	185.3	9.1	216.6	2.51	59.97
27.0-28.0	169.3	8.6	225.2	2.37	62.34
28.0-29.0	150.7	7.9	233.1	2.18	64.52
29.0-30.0	130.0	7.0	240.1	1.94	66.47
30.0-31.0	110.9	6.2	246.3	1.71	68.18
31.0-32.0	96.1	5.5	251.8	1.52	69.70
32.0-33.0	85.6	5.0	256.8	1.40	71.09
33.0-34.0	78.1	4.7	261.6	1.31	72.40
34.0-35.0	72.5	4.5	266.1	1.25	73.65
35.0-36.0	68.4	4.4	270.4	1.21	74.85

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	64.9	4.2	274.7	1.17	76.03
37.0-38.0	62.1	4.1	278.8	1.15	77.17
38.0-39.0	60.0	4.1	282.9	1.13	78.31
39.0-40.0	57.9	4.0	286.9	1.12	79.43
40.0-41.0	55.9	4.0	290.9	1.10	80.53
41.0-42.0	53.8	3.9	294.8	1.08	81.61
42.0-43.0	51.6	3.8	298.6	1.06	82.67
43.0-44.0	49.1	3.7	302.4	1.03	83.69
44.0-45.0	46.7	3.6	305.9	0.99	84.69
45.0-46.0	44.3	3.5	309.4	0.96	85.65
46.0-47.0	42.0	3.3	312.7	0.92	86.57
47.0-48.0	39.6	3.2	316.0	0.89	87.46
48.0-49.0	37.3	3.1	319.0	0.85	88.31
49.0-50.0	35.1	2.9	321.9	0.81	89.12
50.0-51.0	32.9	2.8	324.7	0.77	89.89
51.0-52.0	30.9	2.7	327.4	0.73	90.62
52.0-53.0	29.0	2.5	329.9	0.70	91.32
53.0-54.0	27.1	2.4	332.3	0.66	91.98
54.0-55.0	25.3	2.3	334.5	0.62	92.60
55.0-56.0	23.5	2.1	336.7	0.59	93.19
56.0-57.0	21.8	2.0	338.7	0.55	93.74
57.0-58.0	20.2	1.9	340.5	0.52	94.26
58.0-59.0	18.8	1.8	342.3	0.49	94.75
59.0-60.0	17.5	1.7	343.9	0.46	95.21
60.0-61.0	16.2	1.5	345.5	0.43	95.63
61.0-62.0	15.1	1.5	346.9	0.40	96.03
62.0-63.0	13.9	1.4	348.3	0.38	96.41
63.0-64.0	12.8	1.3	349.6	0.35	96.76
64.0-65.0	11.9	1.2	350.7	0.33	97.09
65.0-66.0	11.0	1.1	351.8	0.30	97.39
66.0-67.0	10.1	1.0	352.8	0.28	97.67
67.0-68.0	9.2	0.9	353.8	0.26	97.93
68.0-69.0	8.4	0.9	354.6	0.24	98.17
69.0-70.0	7.7	0.8	355.4	0.22	98.39
70.0-71.0	7.0	0.7	356.2	0.20	98.59
71.0-72.0	6.4	0.7	356.8	0.18	98.77

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	458.7	458.7								
G1.0	473.3	443.2								
G2.0	486.3	427.3								
G3.0	497.6	410.9								
G4.0	506.4	395.3								
G5.0	512.8	383.0								
G6.0	517.1	374.1								
G7.0	519.3	364.6								
G8.0	519.1	356.4								
G9.0	516.8	341.8								
G10.0	514.0	319.3								
G11.0	513.0	293.7								
G12.0	513.6	272.8								
G13.0	512.7	259.7								
G14.0	513.0	253.0								
G15.0	510.6	251.6								
G16.0	497.8	252.3								
G17.0	469.3	252.3								
G18.0	434.3	249.8								
G19.0	397.9	245.4								
G20.0	364.1	237.6								
G21.0	337.4	224.1								
G22.0	320.5	200.4								
G23.0	310.0	172.4								
G24.0	300.1	148.0								
G25.0	288.1	127.5								
G26.0	274.2	111.4								
G27.0	256.0	99.4								
G28.0	230.9	91.0								
G29.0	195.5	85.3								
G30.0	158.5	80.4								
G31.0	126.8	77.7								
G32.0	103.5	76.3								
G33.0	87.9	74.5								
G34.0	77.1	72.8								
G35.0	69.5	70.8								
G36.0	64.3	68.9								

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	59.7	66.7								
G38.0	57.7	64.3								
G39.0	56.4	61.5								
G40.0	55.0	58.7								
G41.0	53.5	56.2								
G42.0	52.0	53.5								
G43.0	50.0	50.7								
G44.0	47.9	47.9								
G45.0	45.9	45.1								
G46.0	43.8	42.5								
G47.0	41.8	39.7								
G48.0	39.7	37.2								
G49.0	37.7	34.6								
G50.0	35.8	32.2								
G51.0	33.9	29.9								
G52.0	32.2	27.7								
G53.0	30.3	25.7								
G54.0	28.5	23.8								
G55.0	26.7	22.0								
G56.0	25.0	20.2								
G57.0	23.3	18.8								
G58.0	21.9	17.0								
G59.0	20.5	15.9								
G60.0	19.2	14.4								
G61.0	18.0	13.2								
G62.0	16.9	12.2								
G63.0	15.9	10.8								
G64.0	14.9	9.8								
G65.0	14.0	8.9								
G66.0	12.9	8.2								
G67.0	12.2	6.9								
G68.0	11.2	6.5								
G69.0	10.2	6.0								
G70.0	9.3	5.5								
G71.0	8.6	4.8								
G72.0	7.7	4.5								
G73.0	7.1	3.8								

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Test Lab:
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Humidity:
Inspector:

Unit: cd

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