

Report No.:52.05527 Mini Pro Recessed
Downlight

Test Time: 2024-10-14 18:07

Luminaire Property

Luminaire Category:

Luminaire Description: 36D

Current: 0.056 A

Power Factor: 0.587

Voltage: 227.7 V

Power: 7.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 474 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H37.7

Vertical Diffuse Angle(50%): V37.7

Luminaire Efficacy Rating (LER): 62

Max. Intensity: 1029.07 cd

Total Rated Lamp Lumens: 474.0 lm

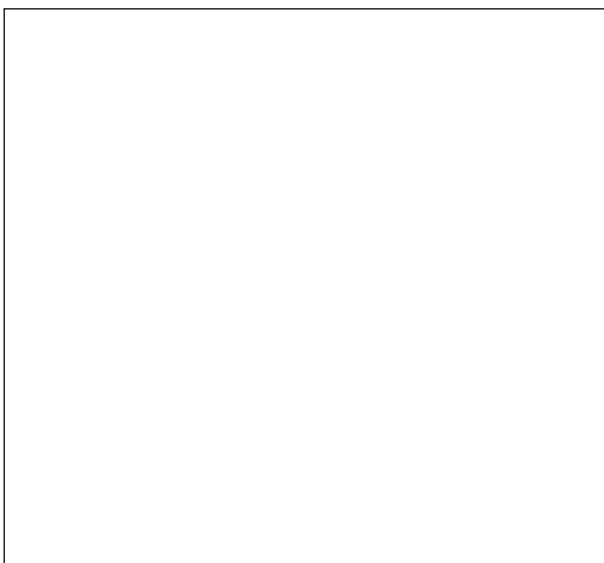
Efficiency: 100%

Upward Ratio: 0%

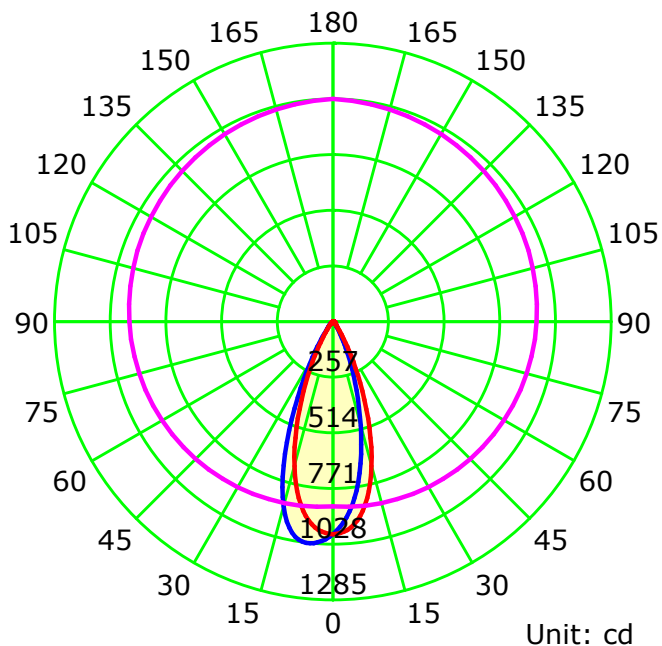
Central Intensity: 980.76 cd

Pos of Max. Intensity: H180 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

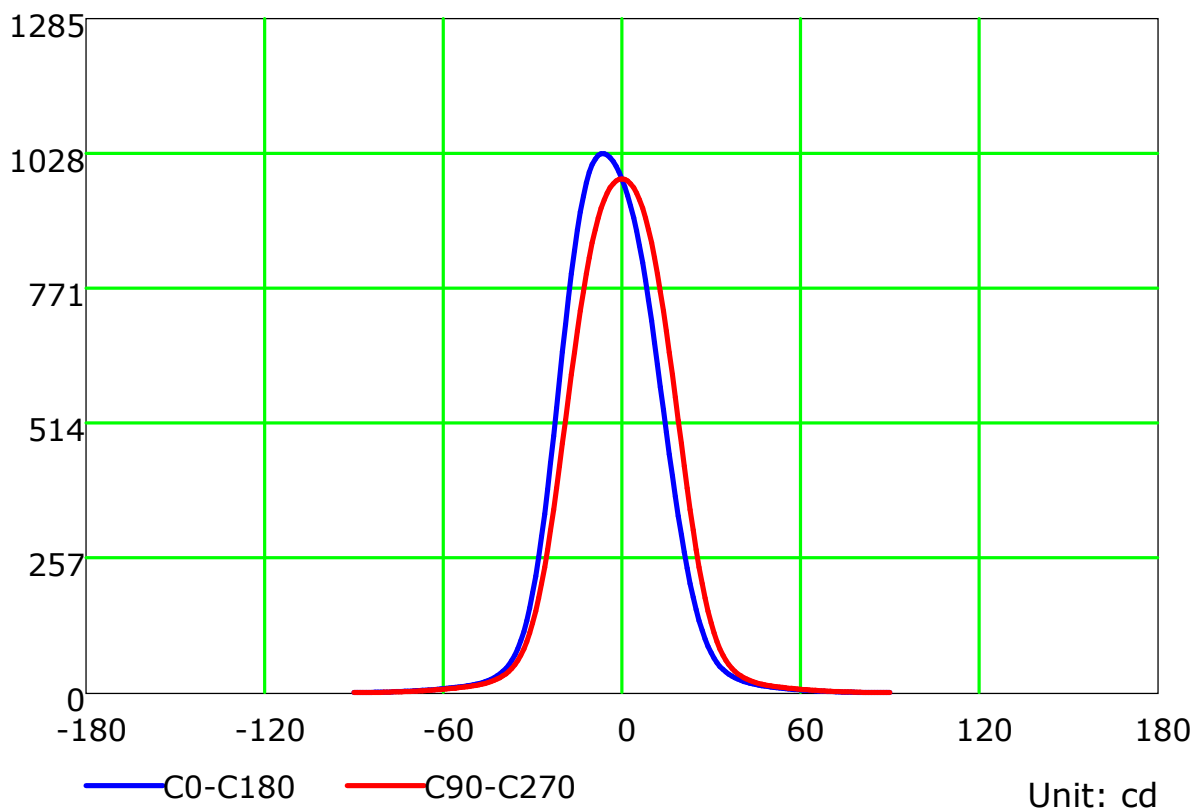
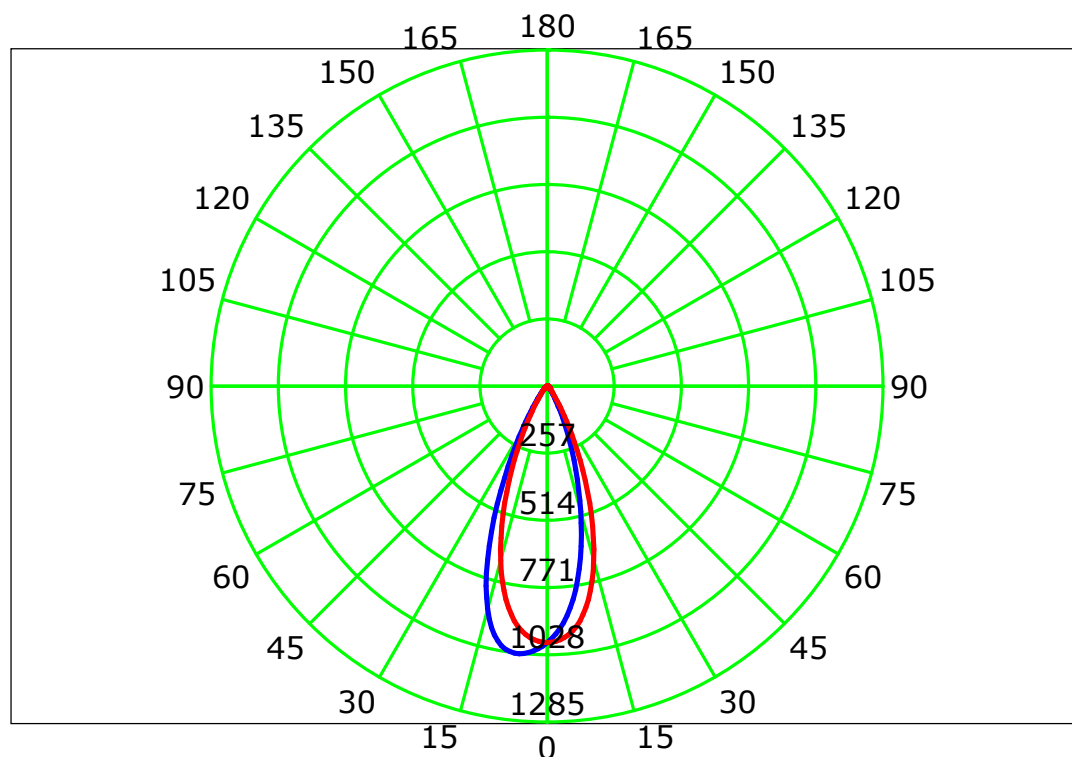
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

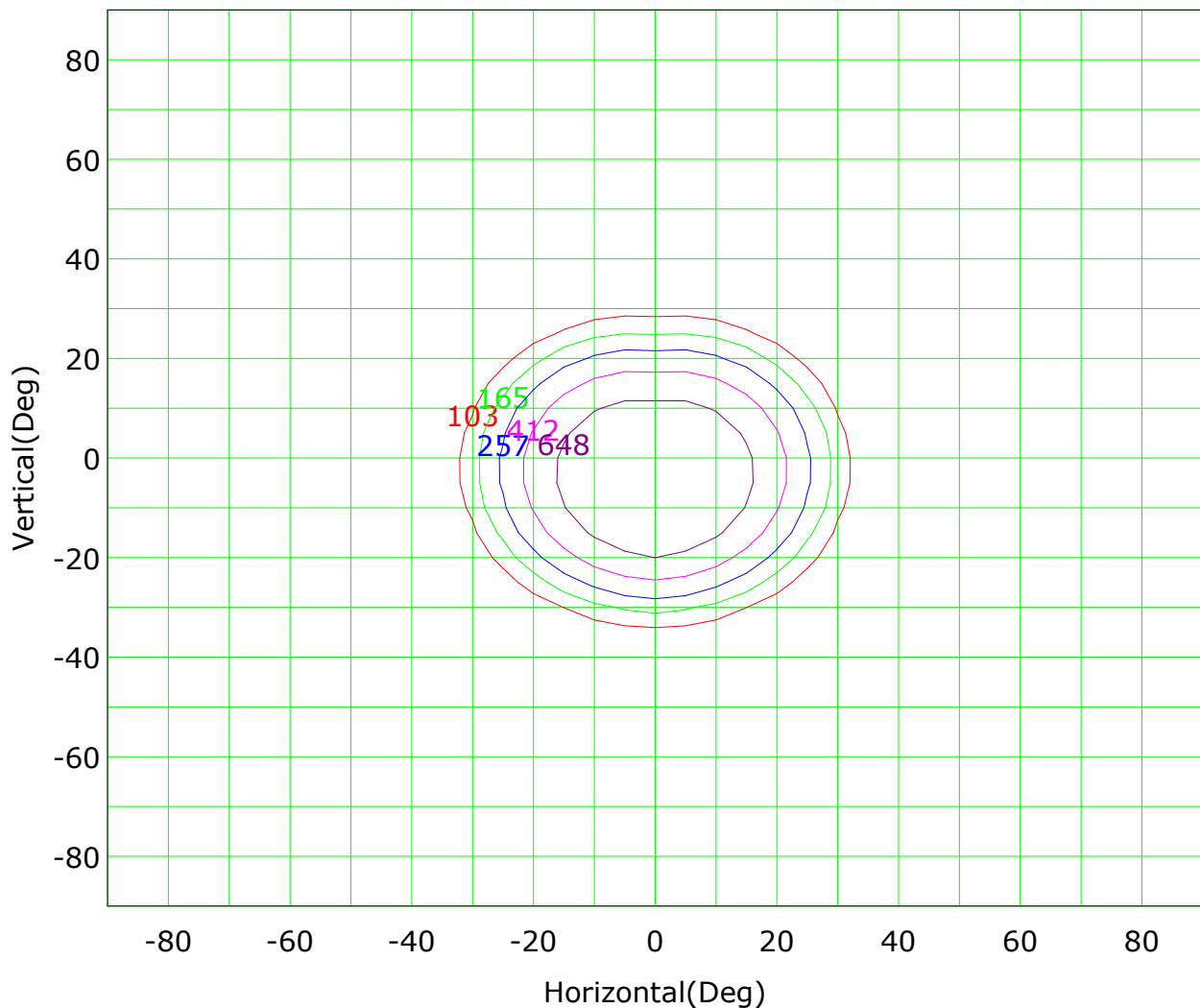
Luminous Intensity Distribution Curve



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%): 1029 cd

(10%): 103 cd	(16%): 165 cd
(25%): 257 cd	(40%): 412 cd
(63%): 648 cd	(100%): 1029 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

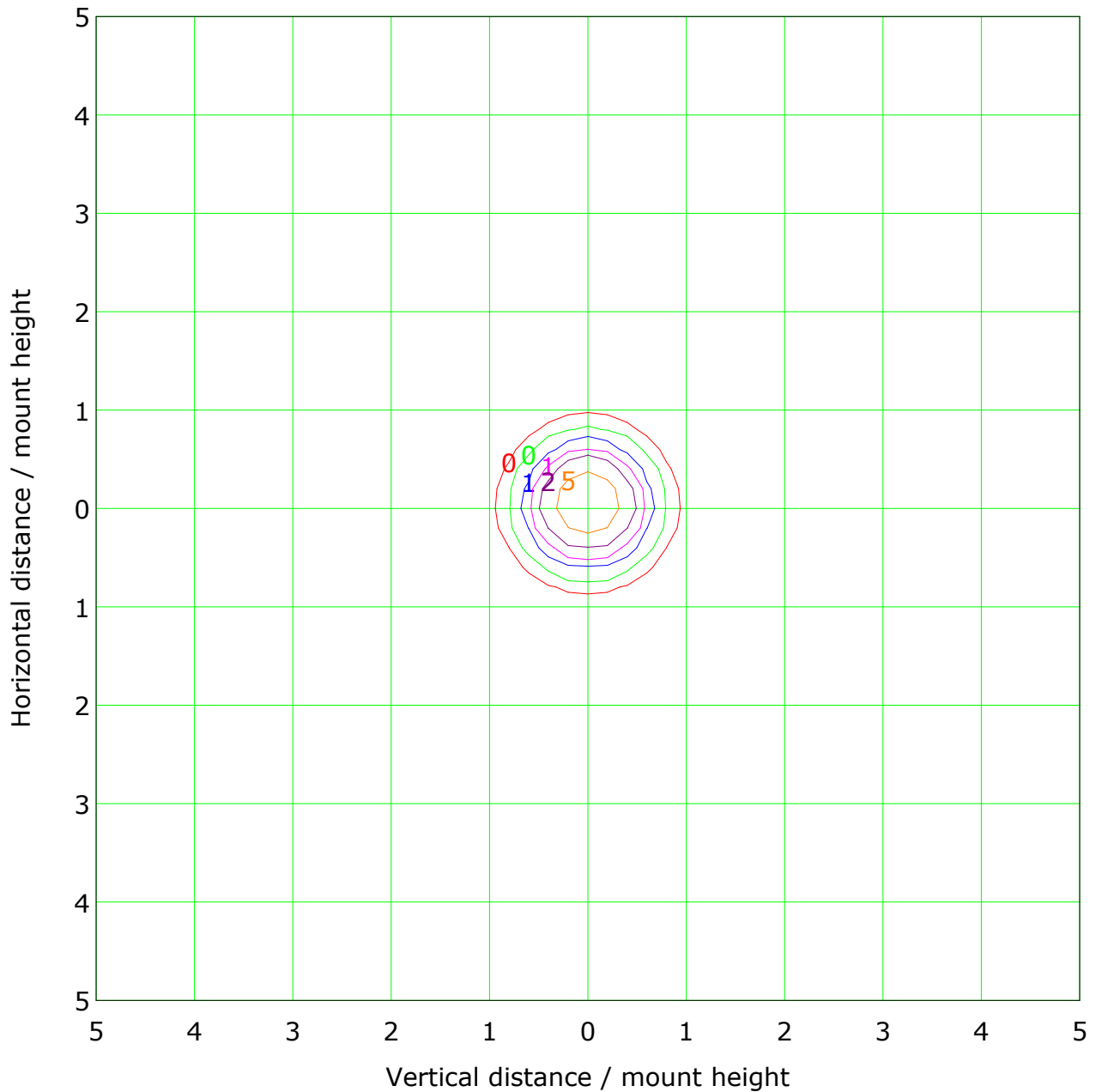
Test Device: CHL-6E

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

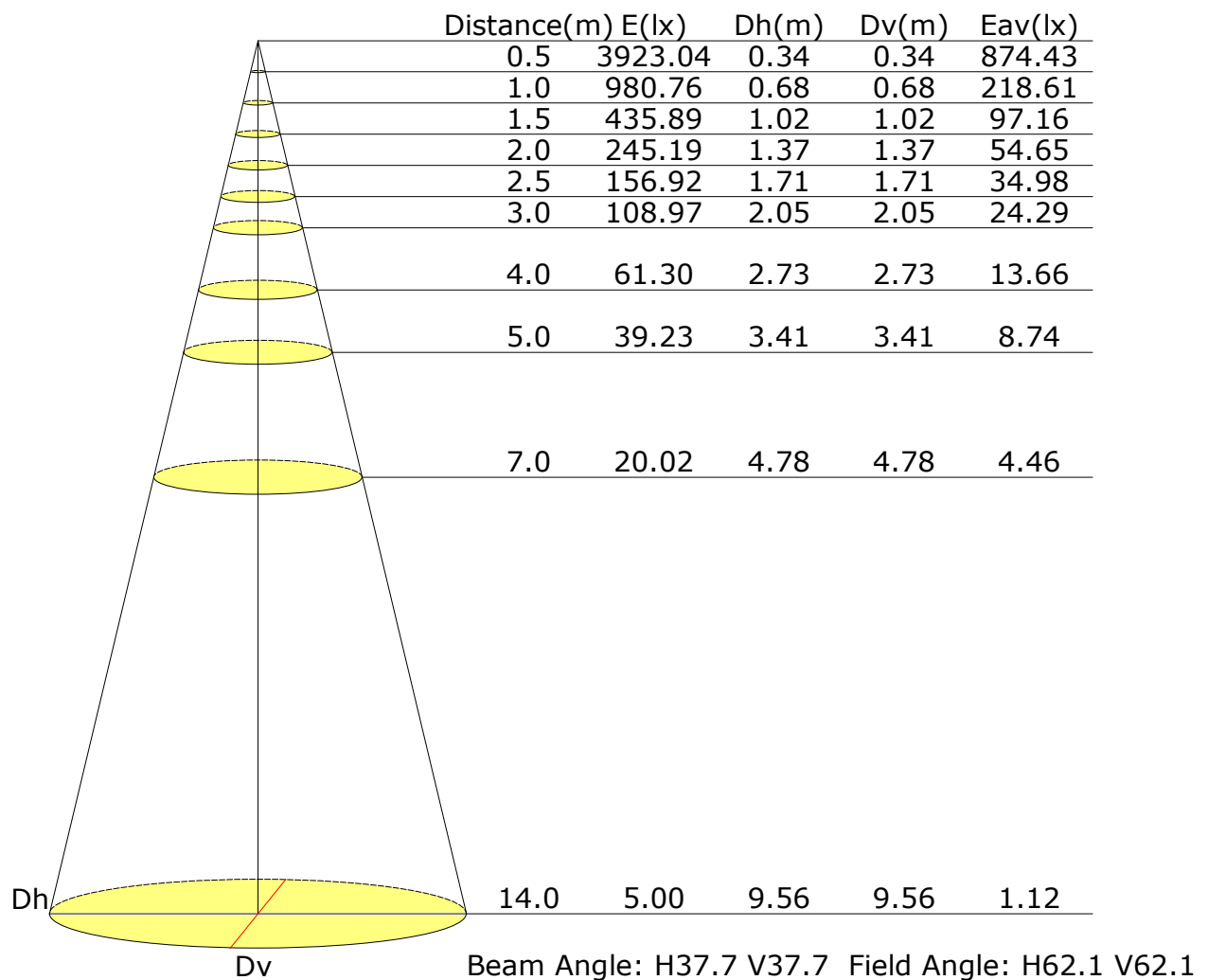
Test Device: CHL-6E

Distance: 3.328 m

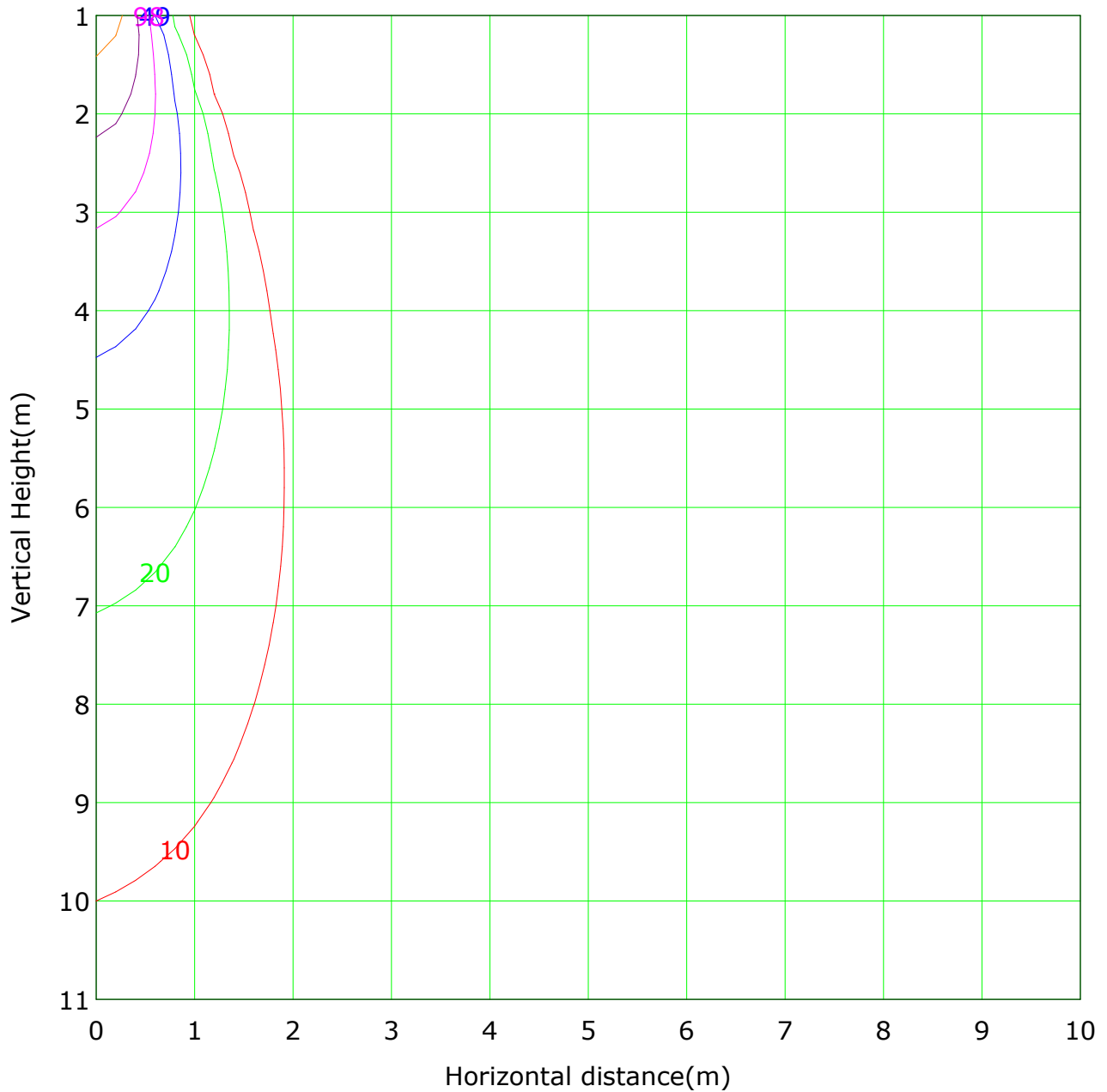
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



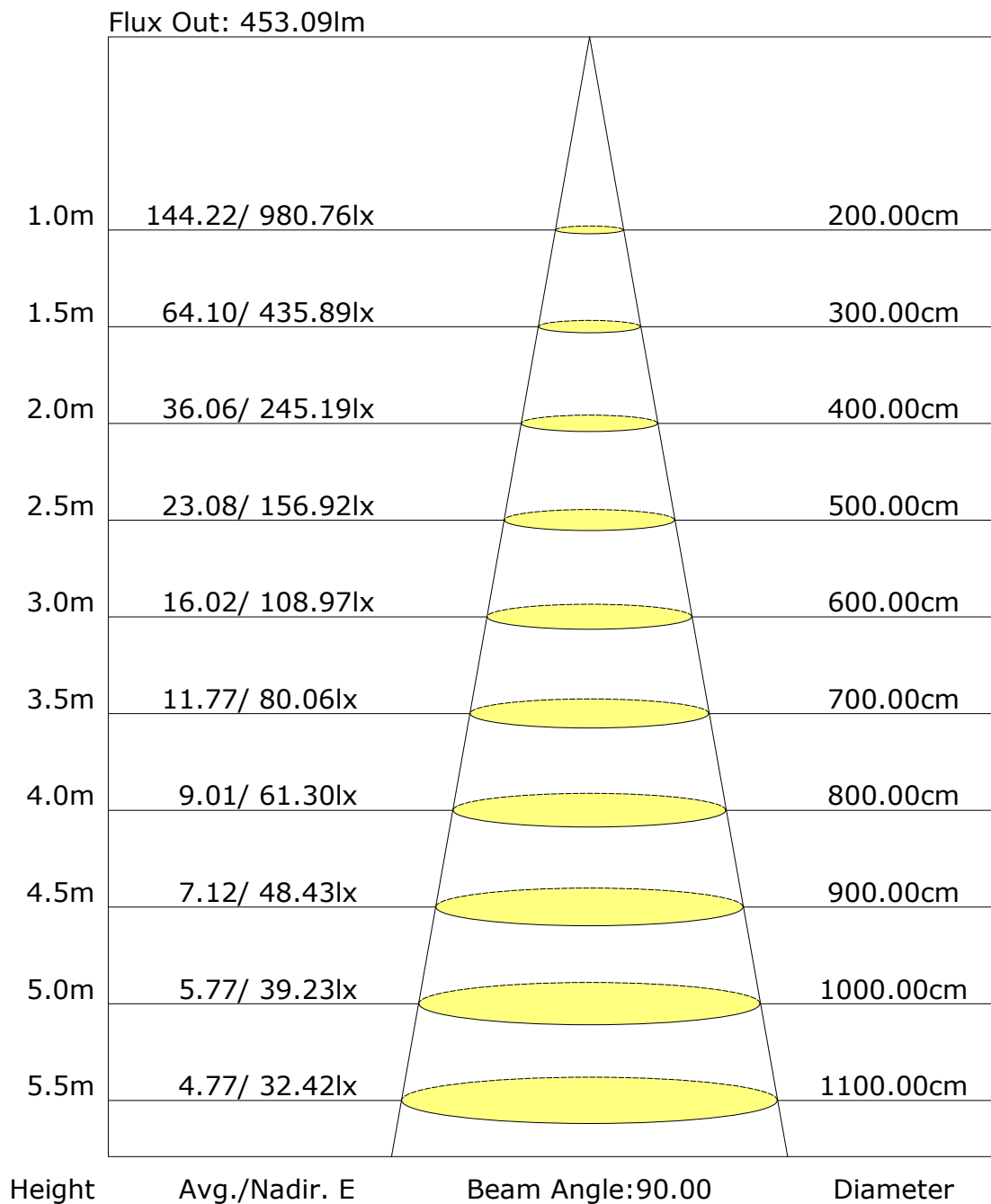
Lowest(m): 1m Highest(m): 11 Max Lux: 981

(1%): 10 lx	(2%): 20 lx
(5%): 49 lx	(10%): 98 lx
(20%): 196 lx	(50%): 490 lx
(100%): 981 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	980.3	0.9	0.9	0.20	0.20
1.0-2.0	978.3	2.8	3.7	0.59	0.79
2.0-3.0	974.2	4.7	8.4	0.98	1.77
3.0-4.0	967.8	6.5	14.9	1.37	3.14
4.0-5.0	958.9	8.3	23.1	1.74	4.88
5.0-6.0	947.4	10.0	33.1	2.10	6.98
6.0-7.0	933.0	11.6	44.7	2.44	9.43
7.0-8.0	915.6	13.1	57.8	2.77	12.19
8.0-9.0	895.1	14.5	72.3	3.06	15.25
9.0-10.0	871.4	15.8	88.1	3.33	18.58
10.0-11.0	844.6	16.9	104.9	3.56	22.14
11.0-12.0	814.9	17.8	122.8	3.76	25.90
12.0-13.0	782.3	18.6	141.3	3.92	29.82
13.0-14.0	747.0	19.1	160.4	4.03	33.85
14.0-15.0	709.5	19.5	179.9	4.11	37.96
15.0-16.0	669.7	19.6	199.6	4.14	42.10
16.0-17.0	628.0	19.6	219.1	4.13	46.23
17.0-18.0	585.3	19.3	238.4	4.07	50.30
18.0-19.0	541.7	18.9	257.3	3.98	54.28
19.0-20.0	497.8	18.2	275.5	3.84	58.12
20.0-21.0	454.3	17.4	292.9	3.68	61.81
21.0-22.0	411.4	16.5	309.5	3.49	65.29
22.0-23.0	369.7	15.5	325.0	3.27	68.57
23.0-24.0	329.6	14.4	339.4	3.04	71.61
24.0-25.0	291.6	13.3	352.7	2.80	74.41
25.0-26.0	256.1	12.1	364.7	2.55	76.96
26.0-27.0	223.6	10.9	375.7	2.31	79.27
27.0-28.0	194.3	9.8	385.5	2.08	81.34
28.0-29.0	167.8	8.8	394.3	1.85	83.19
29.0-30.0	144.3	7.8	402.1	1.64	84.84
30.0-31.0	123.5	6.9	409.0	1.45	86.29
31.0-32.0	105.5	6.0	415.0	1.28	87.56
32.0-33.0	90.2	5.3	420.3	1.12	88.69
33.0-34.0	77.3	4.7	425.0	0.99	89.67
34.0-35.0	66.5	4.1	429.1	0.87	90.54
35.0-36.0	57.4	3.7	432.8	0.77	91.32

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	49.8	3.2	436.1	0.69	92.00
37.0-38.0	43.5	2.9	439.0	0.61	92.61
38.0-39.0	38.2	2.6	441.6	0.55	93.16
39.0-40.0	33.9	2.4	443.9	0.50	93.66
40.0-41.0	30.2	2.1	446.1	0.45	94.11
41.0-42.0	27.1	2.0	448.0	0.42	94.53
42.0-43.0	24.5	1.8	449.9	0.38	94.91
43.0-44.0	22.2	1.7	451.5	0.35	95.27
44.0-45.0	20.2	1.6	453.1	0.33	95.60
45.0-46.0	18.5	1.4	454.5	0.30	95.90
46.0-47.0	16.9	1.3	455.9	0.28	96.18
47.0-48.0	15.6	1.3	457.1	0.27	96.45
48.0-49.0	14.5	1.2	458.3	0.25	96.70
49.0-50.0	13.4	1.1	459.4	0.24	96.94
50.0-51.0	12.4	1.1	460.5	0.22	97.16
51.0-52.0	11.6	1.0	461.5	0.21	97.37
52.0-53.0	10.9	0.9	462.4	0.20	97.57
53.0-54.0	10.2	0.9	463.3	0.19	97.76
54.0-55.0	9.5	0.8	464.2	0.18	97.93
55.0-56.0	8.8	0.8	465.0	0.17	98.10
56.0-57.0	8.2	0.7	465.7	0.16	98.26
57.0-58.0	7.7	0.7	466.4	0.15	98.41
58.0-59.0	7.2	0.7	467.1	0.14	98.55
59.0-60.0	6.7	0.6	467.7	0.13	98.69
60.0-61.0	6.2	0.6	468.3	0.12	98.81
61.0-62.0	5.7	0.6	468.9	0.12	98.93
62.0-63.0	5.3	0.5	469.4	0.11	99.04
63.0-64.0	4.9	0.5	469.9	0.10	99.14
64.0-65.0	4.5	0.4	470.3	0.09	99.23
65.0-66.0	4.1	0.4	470.7	0.09	99.32
66.0-67.0	3.8	0.4	471.1	0.08	99.40
67.0-68.0	3.5	0.4	471.5	0.07	99.47
68.0-69.0	3.2	0.3	471.8	0.07	99.54
69.0-70.0	2.9	0.3	472.1	0.06	99.60
70.0-71.0	2.6	0.3	472.4	0.06	99.66
71.0-72.0	2.3	0.2	472.6	0.05	99.71

C Plane (°):0.0-180.0: 180.0
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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	980.8	980.8								
G1.0	965.9	993.9								
G2.0	948.5	1005.1								
G3.0	929.0	1014.0								
G4.0	906.8	1021.2								
G5.0	881.2	1026.6								
G6.0	852.6	1029.1								
G7.0	821.2	1028.9								
G8.0	786.8	1025.5								
G9.0	749.3	1018.6								
G10.0	709.6	1008.1								
G11.0	667.8	993.0								
G12.0	626.0	972.9								
G13.0	583.0	947.5								
G14.0	540.0	917.6								
G15.0	497.3	883.1								
G16.0	455.0	843.5								
G17.0	413.9	799.8								
G18.0	374.4	753.2								
G19.0	336.8	702.5								
G20.0	301.3	650.5								
G21.0	268.2	597.0								
G22.0	237.3	543.1								
G23.0	208.3	490.0								
G24.0	182.0	438.2								
G25.0	158.4	387.8								
G26.0	137.1	340.9								
G27.0	118.7	297.8								
G28.0	102.4	258.4								
G29.0	88.3	222.4								
G30.0	76.3	190.1								
G31.0	65.9	161.6								
G32.0	57.4	137.1								
G33.0	50.0	116.3								
G34.0	44.1	98.8								
G35.0	39.2	84.1								
G36.0	34.9	71.5								

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	31.5	61.2								
G38.0	28.4	52.6								
G39.0	25.8	45.9								
G40.0	23.3	40.3								
G41.0	21.4	35.6								
G42.0	19.6	31.8								
G43.0	18.1	28.4								
G44.0	16.8	25.6								
G45.0	15.5	23.1								
G46.0	14.4	20.9								
G47.0	13.4	18.9								
G48.0	12.7	17.5								
G49.0	11.8	15.9								
G50.0	10.9	14.9								
G51.0	10.3	13.7								
G52.0	9.6	12.9								
G53.0	8.9	12.0								
G54.0	8.3	11.3								
G55.0	7.8	10.6								
G56.0	6.9	9.9								
G57.0	6.6	9.3								
G58.0	6.1	8.8								
G59.0	5.7	8.1								
G60.0	5.2	7.8								
G61.0	4.8	6.9								
G62.0	4.5	6.6								
G63.0	4.2	6.1								
G64.0	3.8	5.5								
G65.0	3.3	5.3								
G66.0	3.0	4.8								
G67.0	2.9	4.5								
G68.0	2.7	4.0								
G69.0	2.2	3.7								
G70.0	2.0	3.5								
G71.0	1.9	3.0								
G72.0	1.6	2.9								
G73.0	1.4	2.5								

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: