

Report No.:51.03822 Mini Pro Recessed

Test Time: 2024-10-14 18:21

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.054 A

Power Factor: 0.613

Voltage: 228.7 V

Power: 7.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 434.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H26.7

Vertical Diffuse Angle(50%): V26.7

Luminaire Efficacy Rating (LER): 57

Max. Intensity: 1599.15 cd

Total Rated Lamp Lumens: 434.1 lm

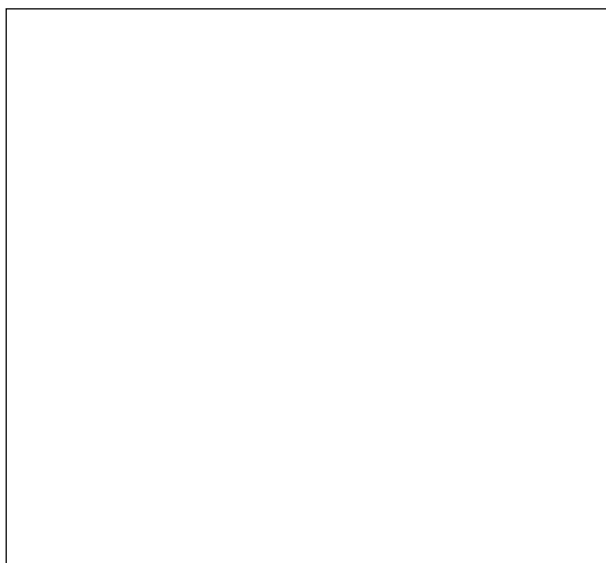
Efficiency: 100%

Upward Ratio: 0%

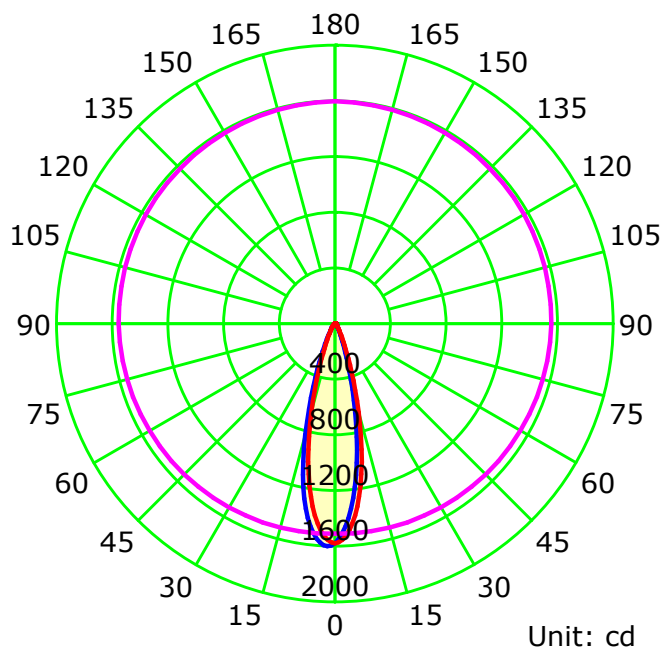
Central Intensity: 1578.28 cd

Pos of Max. Intensity: H180 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

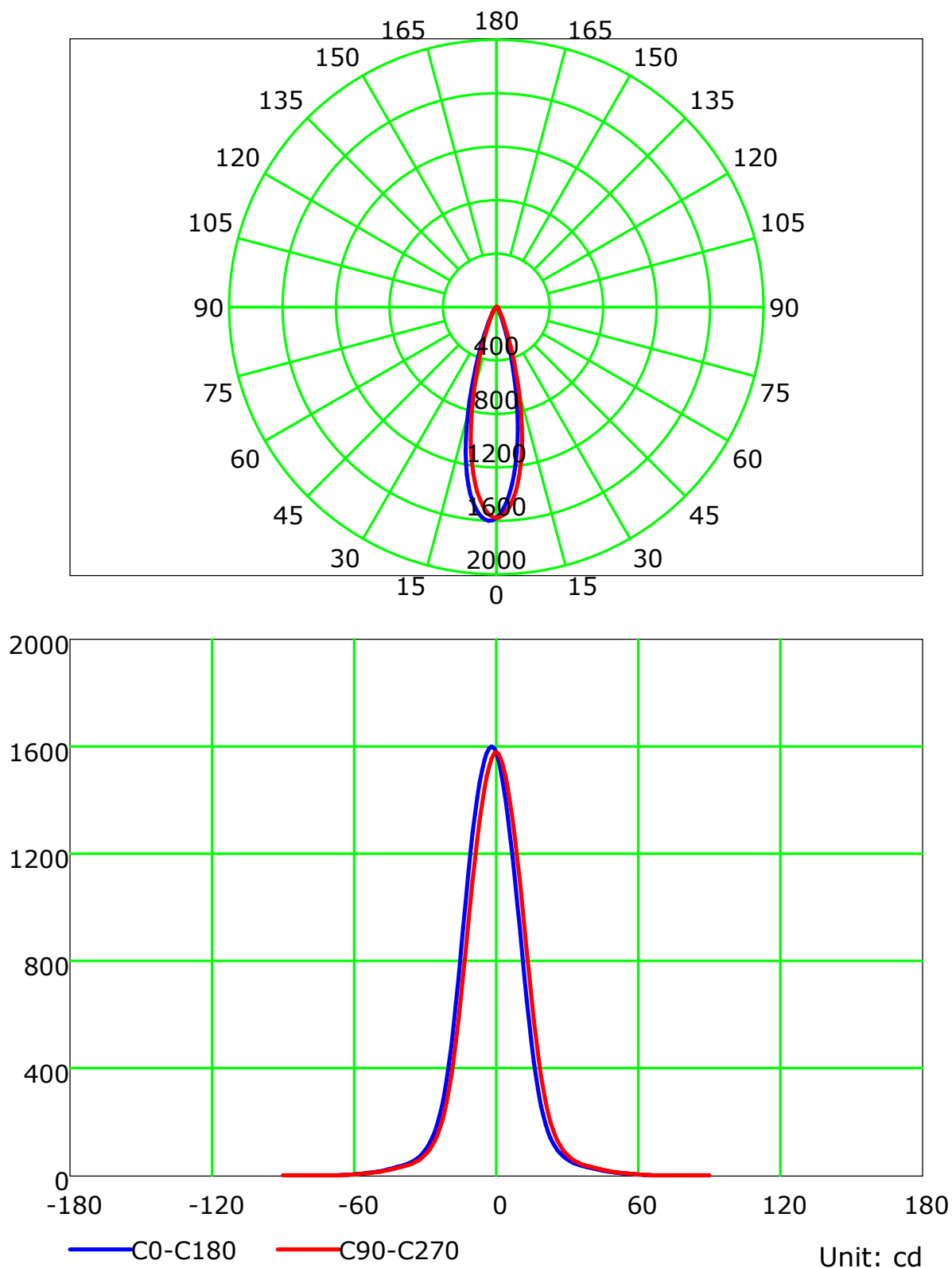
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

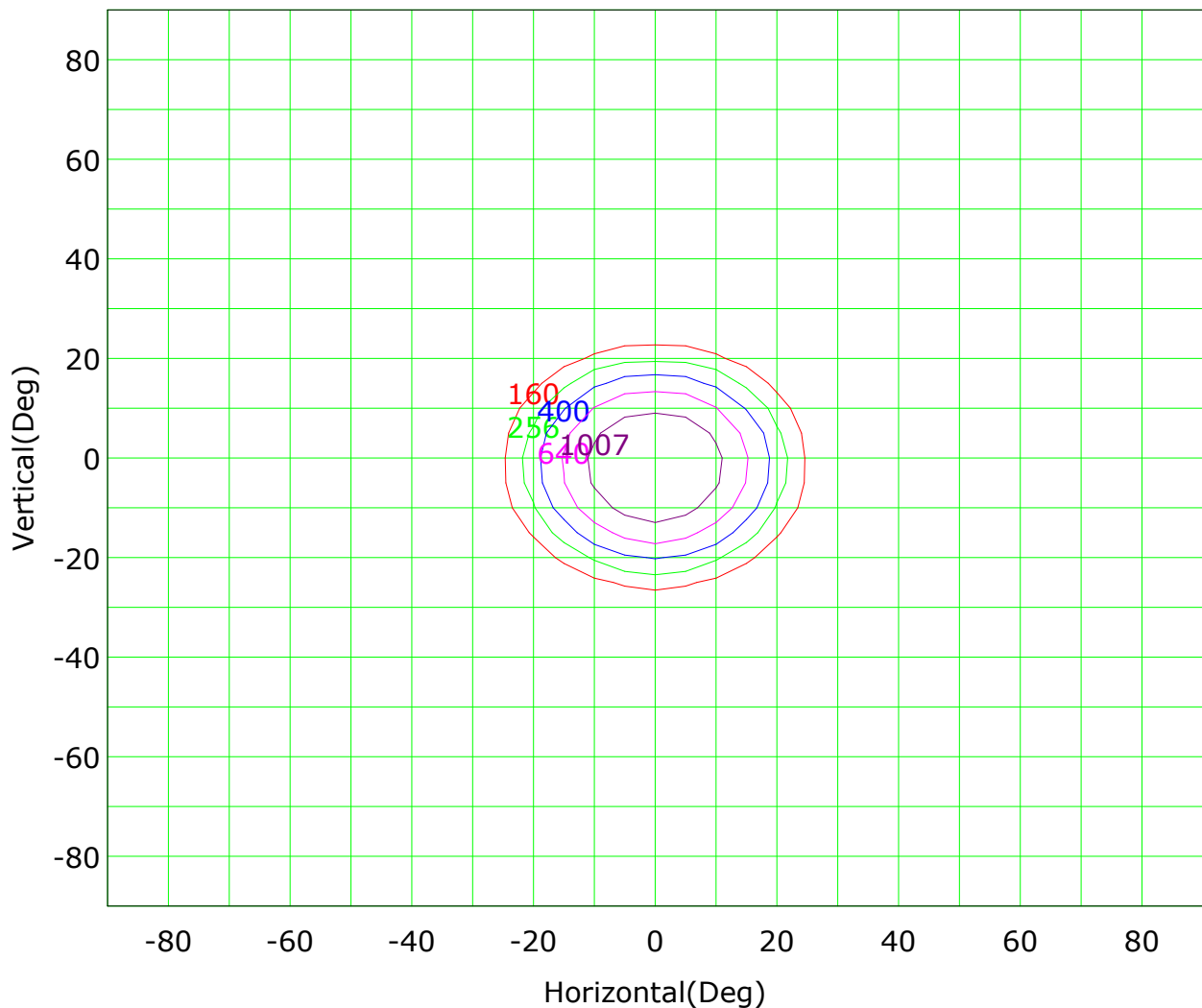
Luminous Intensity Distribution Curve



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%): 1599 cd

(10%): 160 cd	(16%): 256 cd
(25%): 400 cd	(40%): 640 cd
(63%): 1007 cd	(100%): 1599 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

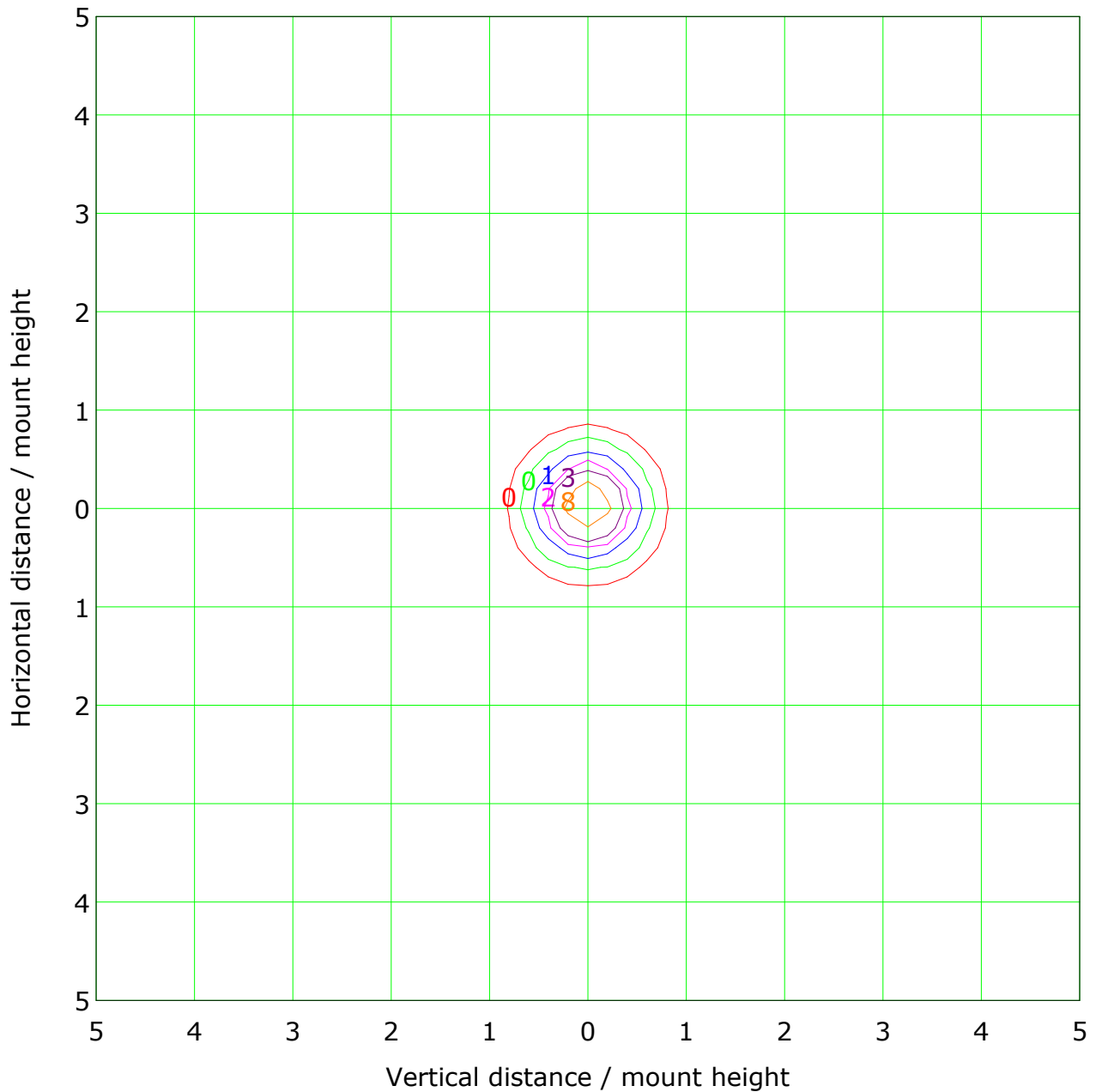
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

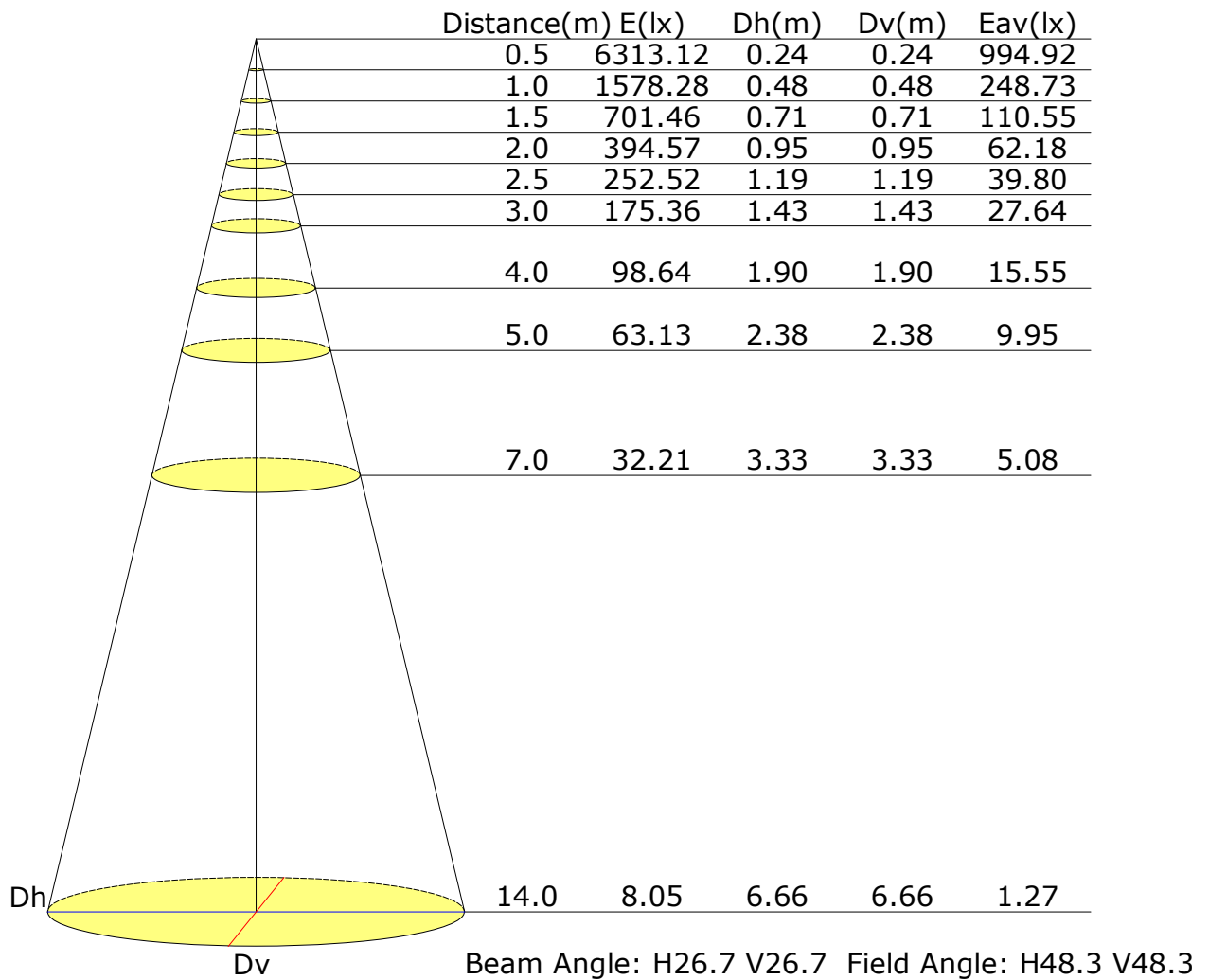


Mounting Height: 10m Max Lux(100%): 16 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	2 lx
— (20%):	3 lx	— (50%):	8 lx
— (100%):	16 lx		

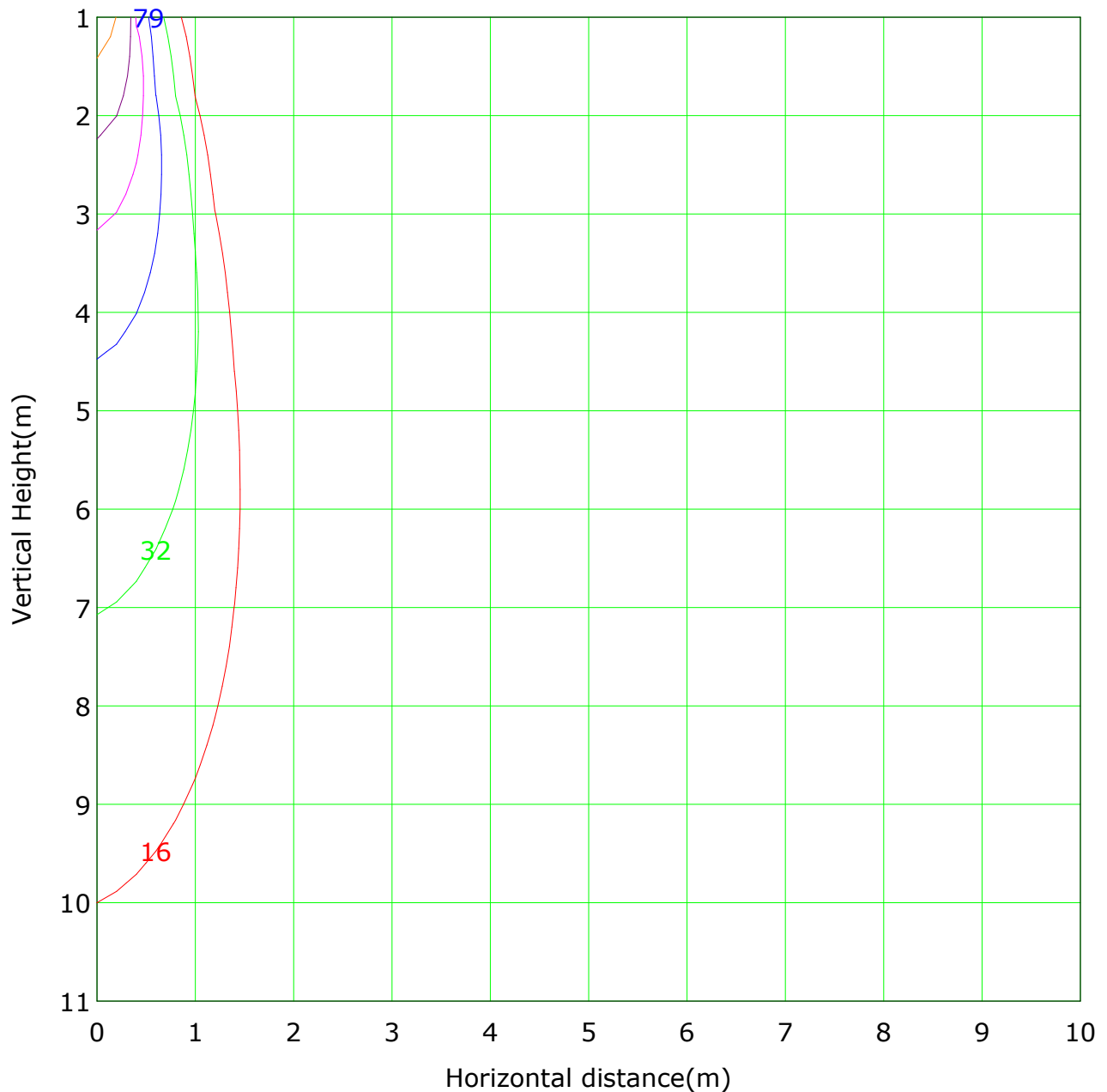
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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

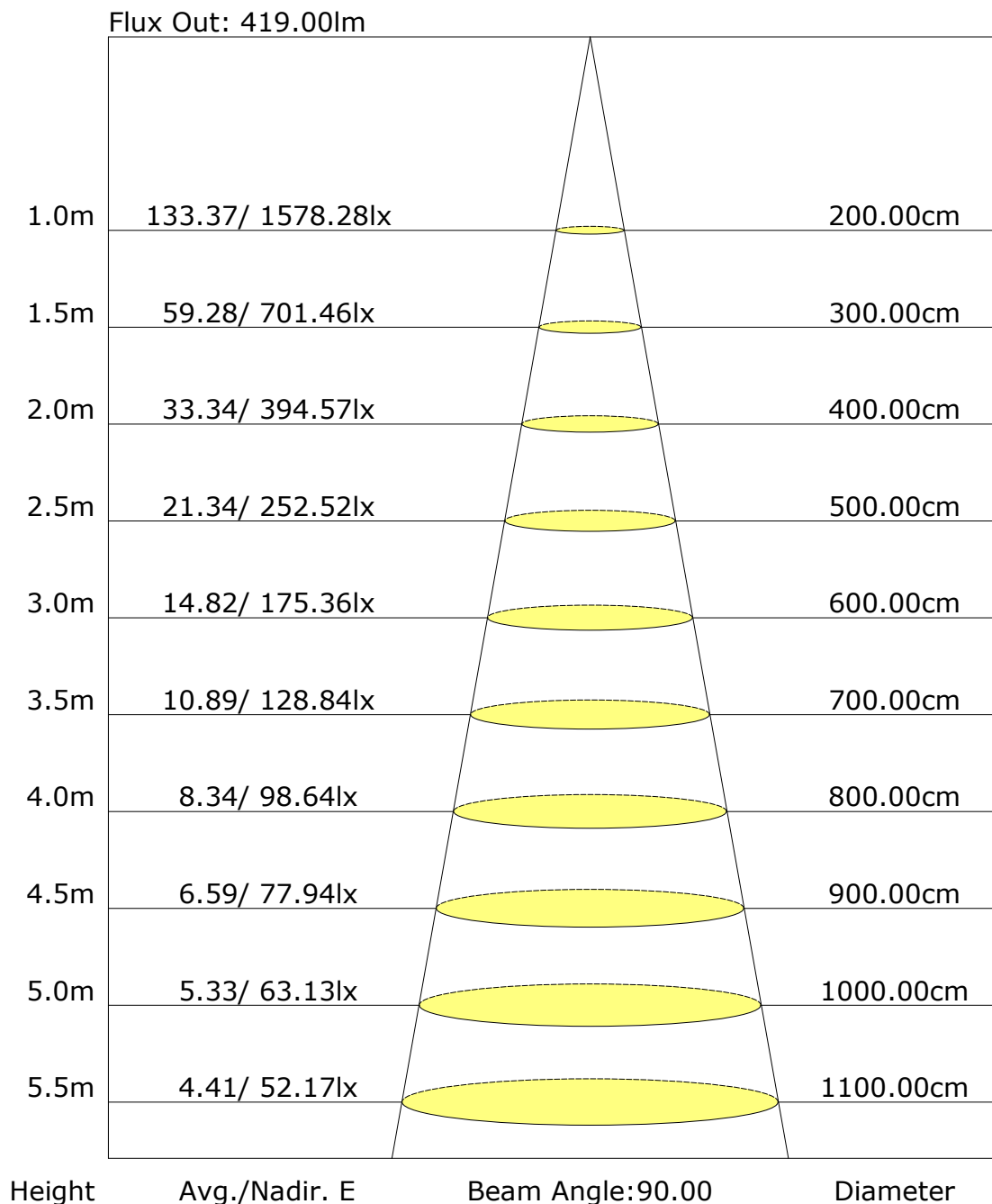


Lowest(m): 1m Highest(m): 11 Max Lux: 1578	
(1%): 16 lx	(2%): 32 lx
(5%): 79 lx	(10%): 158 lx
(20%): 316 lx	(50%): 789 lx
(100%): 1578 lx	

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	1575.0	1.5	1.5	0.35	0.35
1.0-2.0	1562.9	4.5	6.0	1.03	1.38
2.0-3.0	1540.3	7.4	13.4	1.70	3.08
3.0-4.0	1507.4	10.1	23.5	2.32	5.40
4.0-5.0	1465.0	12.6	36.1	2.90	8.31
5.0-6.0	1414.1	14.9	50.9	3.42	11.73
6.0-7.0	1355.5	16.8	67.7	3.88	15.61
7.0-8.0	1289.7	18.5	86.2	4.25	19.86
8.0-9.0	1217.3	19.7	105.9	4.54	24.40
9.0-10.0	1139.1	20.6	126.6	4.75	29.15
10.0-11.0	1055.8	21.1	147.7	4.86	34.01
11.0-12.0	968.9	21.2	168.8	4.88	38.89
12.0-13.0	880.0	20.9	189.7	4.81	43.70
13.0-14.0	790.7	20.2	210.0	4.66	48.37
14.0-15.0	703.1	19.3	229.3	4.45	52.81
15.0-16.0	618.8	18.1	247.4	4.18	56.99
16.0-17.0	539.5	16.8	264.2	3.87	60.86
17.0-18.0	466.8	15.4	279.6	3.55	64.41
18.0-19.0	401.4	14.0	293.6	3.22	67.62
19.0-20.0	343.7	12.6	306.2	2.90	70.52
20.0-21.0	293.8	11.3	317.4	2.60	73.12
21.0-22.0	251.3	10.1	327.5	2.33	75.45
22.0-23.0	215.3	9.0	336.6	2.08	77.53
23.0-24.0	184.9	8.1	344.7	1.86	79.39
24.0-25.0	159.5	7.3	351.9	1.67	81.06
25.0-26.0	138.1	6.5	358.4	1.50	82.56
26.0-27.0	120.3	5.9	364.3	1.36	83.92
27.0-28.0	105.4	5.3	369.7	1.23	85.15
28.0-29.0	92.8	4.9	374.5	1.12	86.27
29.0-30.0	82.0	4.4	378.9	1.02	87.29
30.0-31.0	72.9	4.1	383.0	0.94	88.22
31.0-32.0	65.2	3.7	386.7	0.86	89.08
32.0-33.0	58.7	3.5	390.2	0.80	89.88
33.0-34.0	53.2	3.2	393.4	0.74	90.62
34.0-35.0	48.5	3.0	396.4	0.69	91.32
35.0-36.0	44.5	2.8	399.3	0.65	91.97

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	41.1	2.7	401.9	0.62	92.59
37.0-38.0	38.2	2.6	404.5	0.59	93.17
38.0-39.0	35.6	2.4	406.9	0.56	93.73
39.0-40.0	33.1	2.3	409.2	0.53	94.27
40.0-41.0	30.8	2.2	411.4	0.51	94.77
41.0-42.0	28.7	2.1	413.5	0.48	95.25
42.0-43.0	26.4	2.0	415.5	0.45	95.70
43.0-44.0	24.2	1.8	417.3	0.42	96.12
44.0-45.0	22.2	1.7	419.0	0.39	96.52
45.0-46.0	20.1	1.6	420.6	0.36	96.88
46.0-47.0	18.3	1.5	422.0	0.33	97.21
47.0-48.0	16.6	1.3	423.4	0.31	97.52
48.0-49.0	15.0	1.2	424.6	0.28	97.81
49.0-50.0	13.5	1.1	425.7	0.26	98.07
50.0-51.0	12.2	1.0	426.8	0.24	98.30
51.0-52.0	11.1	0.9	427.7	0.22	98.52
52.0-53.0	10.0	0.9	428.6	0.20	98.72
53.0-54.0	8.9	0.8	429.4	0.18	98.90
54.0-55.0	8.0	0.7	430.1	0.17	99.07
55.0-56.0	7.2	0.7	430.7	0.15	99.22
56.0-57.0	6.4	0.6	431.3	0.14	99.36
57.0-58.0	5.6	0.5	431.9	0.12	99.48
58.0-59.0	4.9	0.5	432.3	0.11	99.58
59.0-60.0	4.2	0.4	432.7	0.09	99.67
60.0-61.0	3.5	0.3	433.0	0.08	99.75
61.0-62.0	3.0	0.3	433.3	0.07	99.82
62.0-63.0	2.4	0.2	433.6	0.05	99.87
63.0-64.0	1.9	0.2	433.8	0.04	99.92
64.0-65.0	1.5	0.2	433.9	0.03	99.95
65.0-66.0	1.0	0.1	434.0	0.02	99.97
66.0-67.0	0.6	0.1	434.1	0.01	99.99
67.0-68.0	0.3	0.0	434.1	0.01	100.00
68.0-69.0	0.1	0.0	434.1	0.00	100.00
69.0-70.0	0.0	0.0	434.1	0.00	100.00
70.0-71.0	0.0	0.0	434.1	0.00	100.00
71.0-72.0	0.0	0.0	434.1	0.00	100.00

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	1578.3	1578.3								
G1.0	1549.2	1594.1								
G2.0	1509.4	1599.1								
G3.0	1459.5	1593.2								
G4.0	1401.1	1575.7								
G5.0	1334.2	1548.9								
G6.0	1261.8	1511.6								
G7.0	1183.0	1465.7								
G8.0	1099.8	1410.4								
G9.0	1011.5	1347.2								
G10.0	922.2	1275.4								
G11.0	829.5	1196.3								
G12.0	739.7	1110.3								
G13.0	652.6	1017.6								
G14.0	569.5	923.2								
G15.0	492.2	827.6								
G16.0	422.1	733.3								
G17.0	359.3	643.5								
G18.0	305.0	559.5								
G19.0	259.0	481.9								
G20.0	220.4	413.4								
G21.0	188.1	353.3								
G22.0	161.8	301.9								
G23.0	139.5	257.9								
G24.0	121.4	220.9								
G25.0	106.5	189.2								
G26.0	94.0	162.9								
G27.0	83.3	140.9								
G28.0	74.5	122.8								
G29.0	66.5	107.4								
G30.0	59.8	94.3								
G31.0	54.4	83.2								
G32.0	49.5	73.7								
G33.0	45.6	65.9								
G34.0	42.1	59.2								
G35.0	39.2	53.5								
G36.0	36.6	48.8								

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	34.4	44.7								
G38.0	32.2	41.6								
G39.0	29.8	38.7								
G40.0	27.8	36.0								
G41.0	25.8	33.8								
G42.0	23.8	31.4								
G43.0	21.7	28.8								
G44.0	20.0	26.4								
G45.0	18.0	24.2								
G46.0	16.4	21.9								
G47.0	15.0	19.7								
G48.0	13.9	17.8								
G49.0	12.4	15.9								
G50.0	11.2	14.6								
G51.0	10.2	12.9								
G52.0	9.2	11.9								
G53.0	8.3	10.6								
G54.0	7.3	9.6								
G55.0	6.7	8.6								
G56.0	6.1	7.6								
G57.0	5.5	6.6								
G58.0	4.8	5.7								
G59.0	4.2	5.0								
G60.0	3.3	4.2								
G61.0	3.0	3.6								
G62.0	2.5	3.0								
G63.0	1.9	2.4								
G64.0	1.5	2.0								
G65.0	1.0	1.6								
G66.0	0.4	1.1								
G67.0	0.1	0.9								
G68.0	0.0	0.4								
G69.0	0.0	0.1								
G70.0	0.0	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

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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: