

Report No.:

Test Time: 2024-08-28 14:31

Luminaire Property

Luminaire Category:

Luminaire Description: 51.04519 50D

Current: 0.029 A

Power Factor: 0.472

Voltage: 218.5 V

Power: 3.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 230.5 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H46.4

Vertical Diffuse Angle(50%): V46.4

Luminaire Efficacy Rating (LER): 77

Max. Intensity: 384.49 cd

Total Rated Lamp Lumens: 230.5 lm

Efficiency: 100%

Upward Ratio: 0%

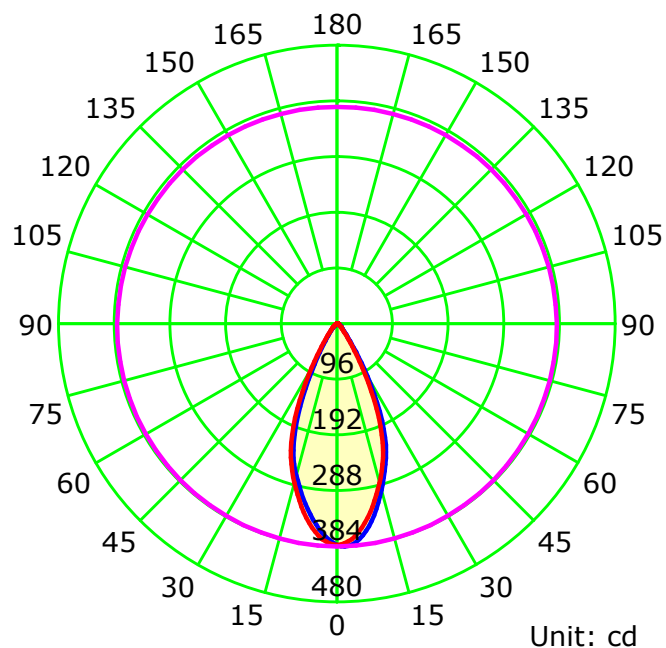
Central Intensity: 381.75 cd

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

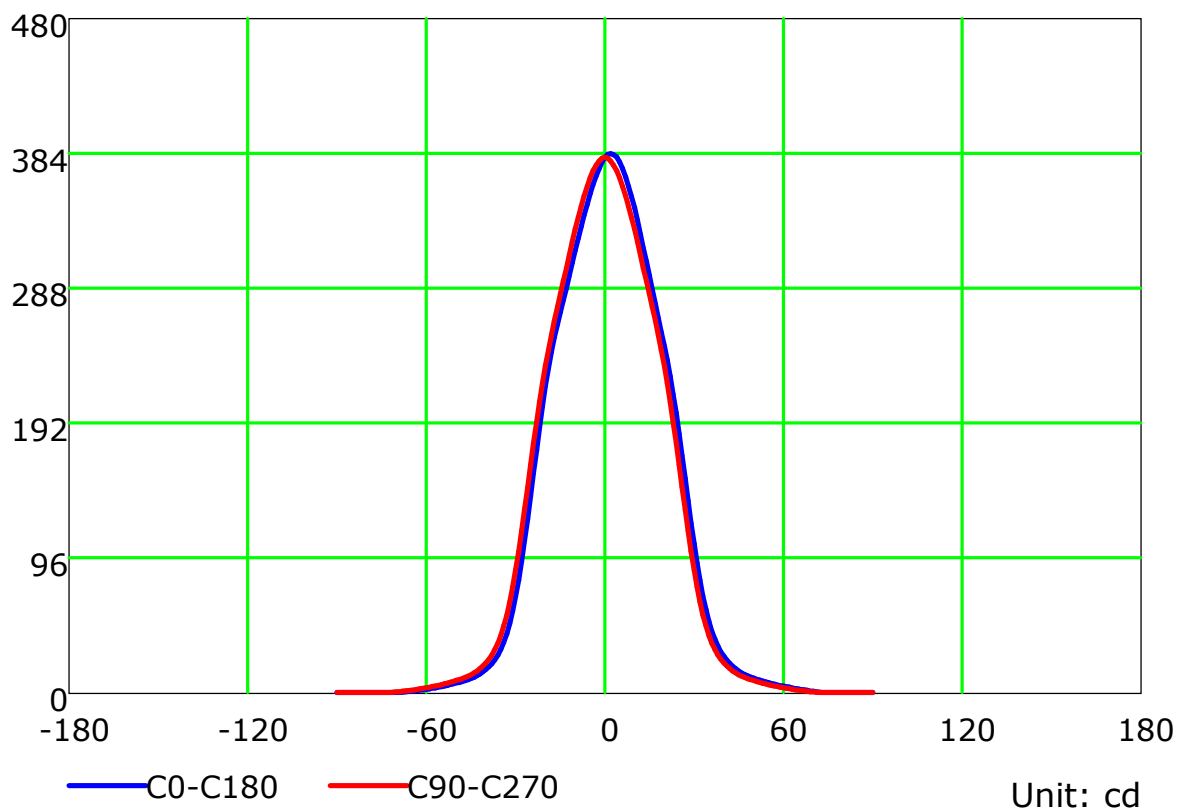
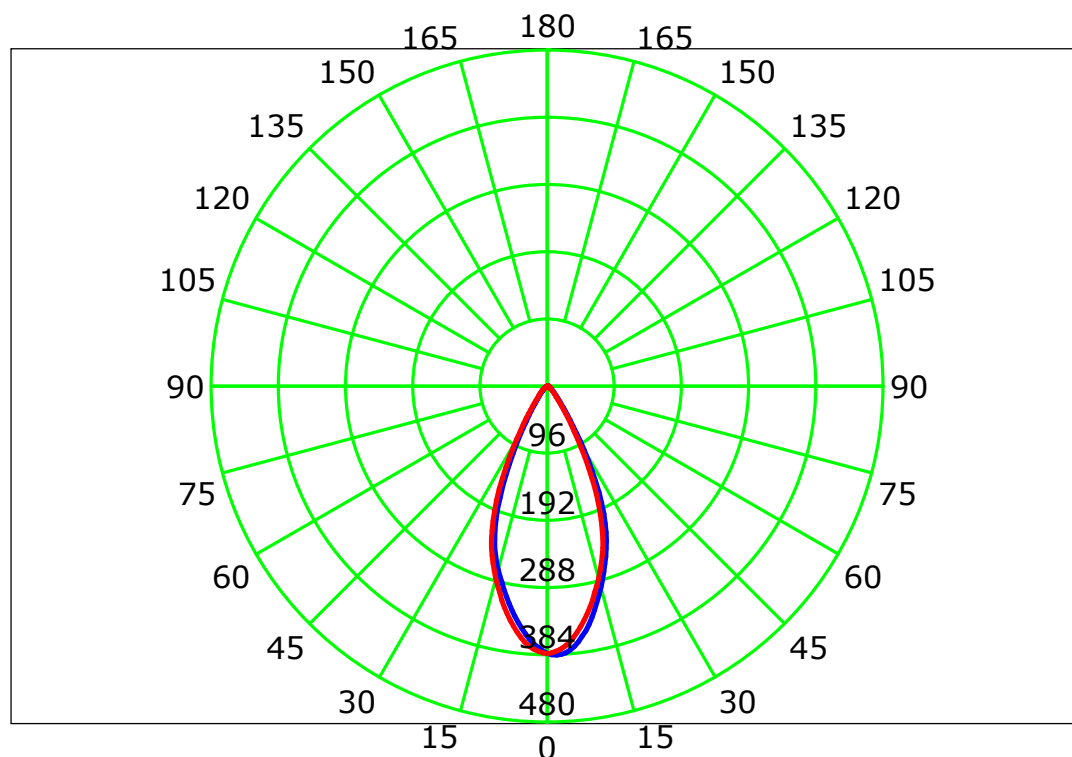
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

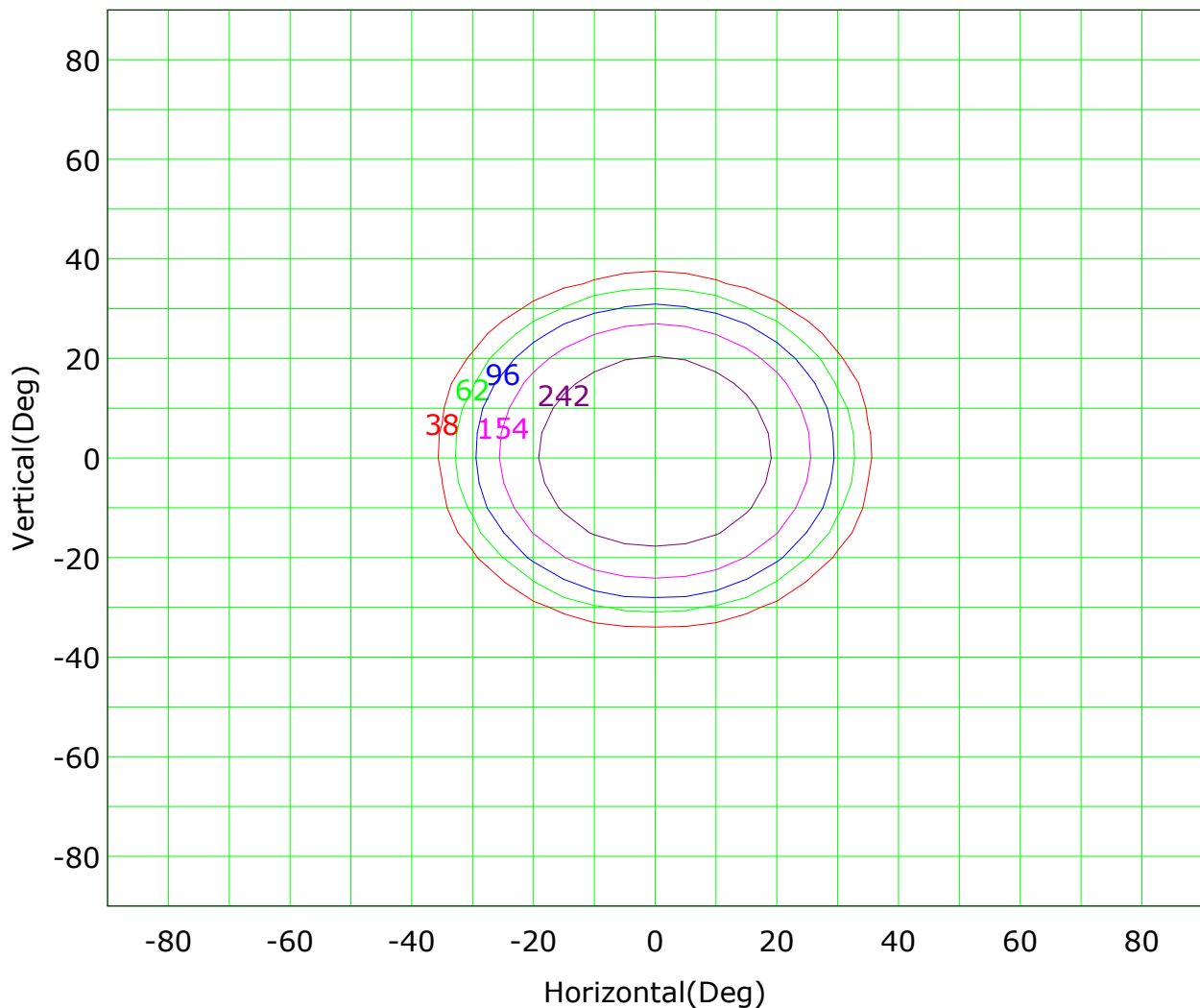
Luminous Intensity Distribution Curve



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%): 384 cd

(10%):	38 cd	(16%):	62 cd
(25%):	96 cd	(40%):	154 cd
(63%):	242 cd	(100%):	384 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

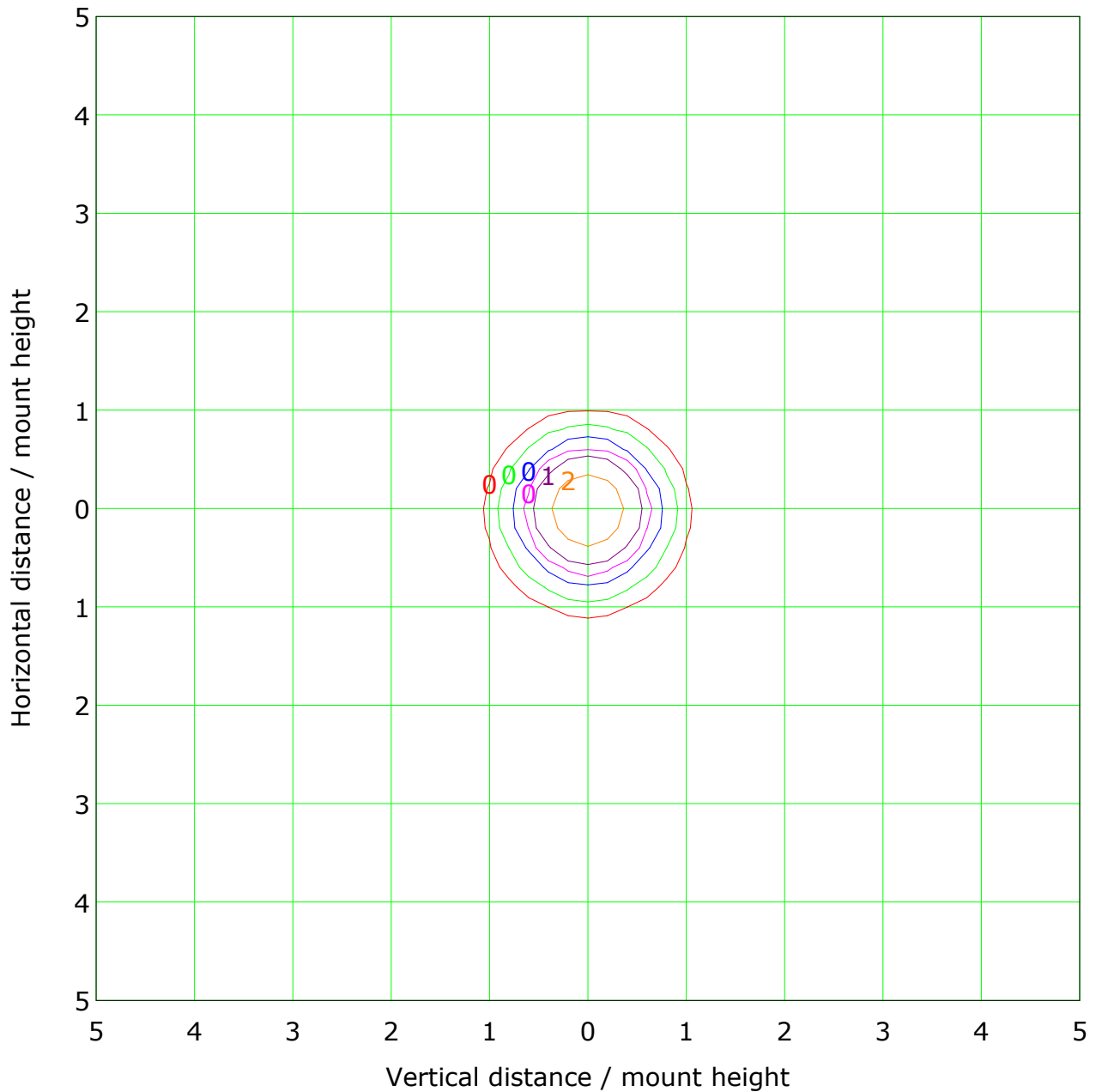
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

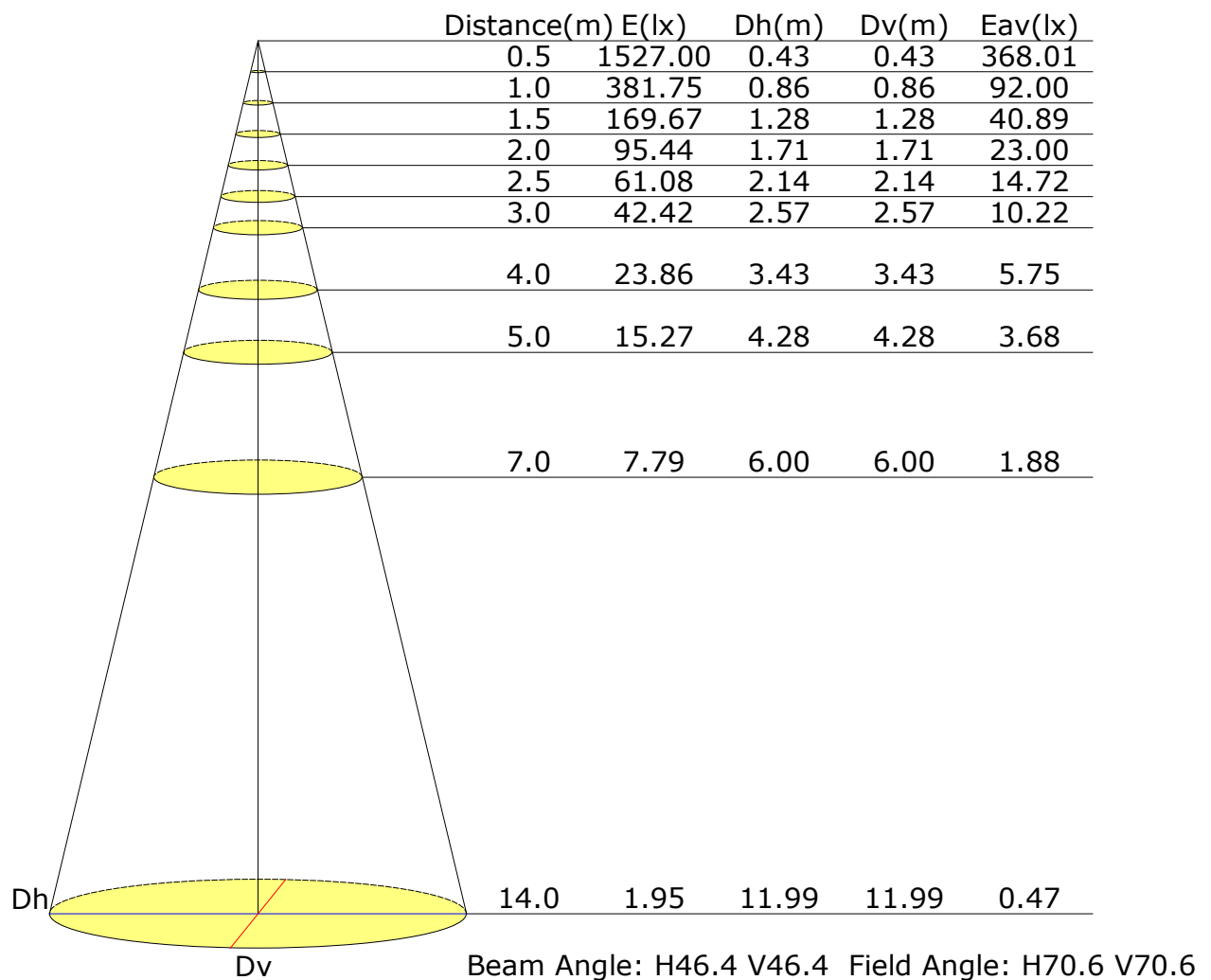


Mounting Height: 10m		Max Lux(100%): 4 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	0 lx	(10%):	0 lx
(20%):	1 lx	(50%):	2 lx
(100%):	4 lx		

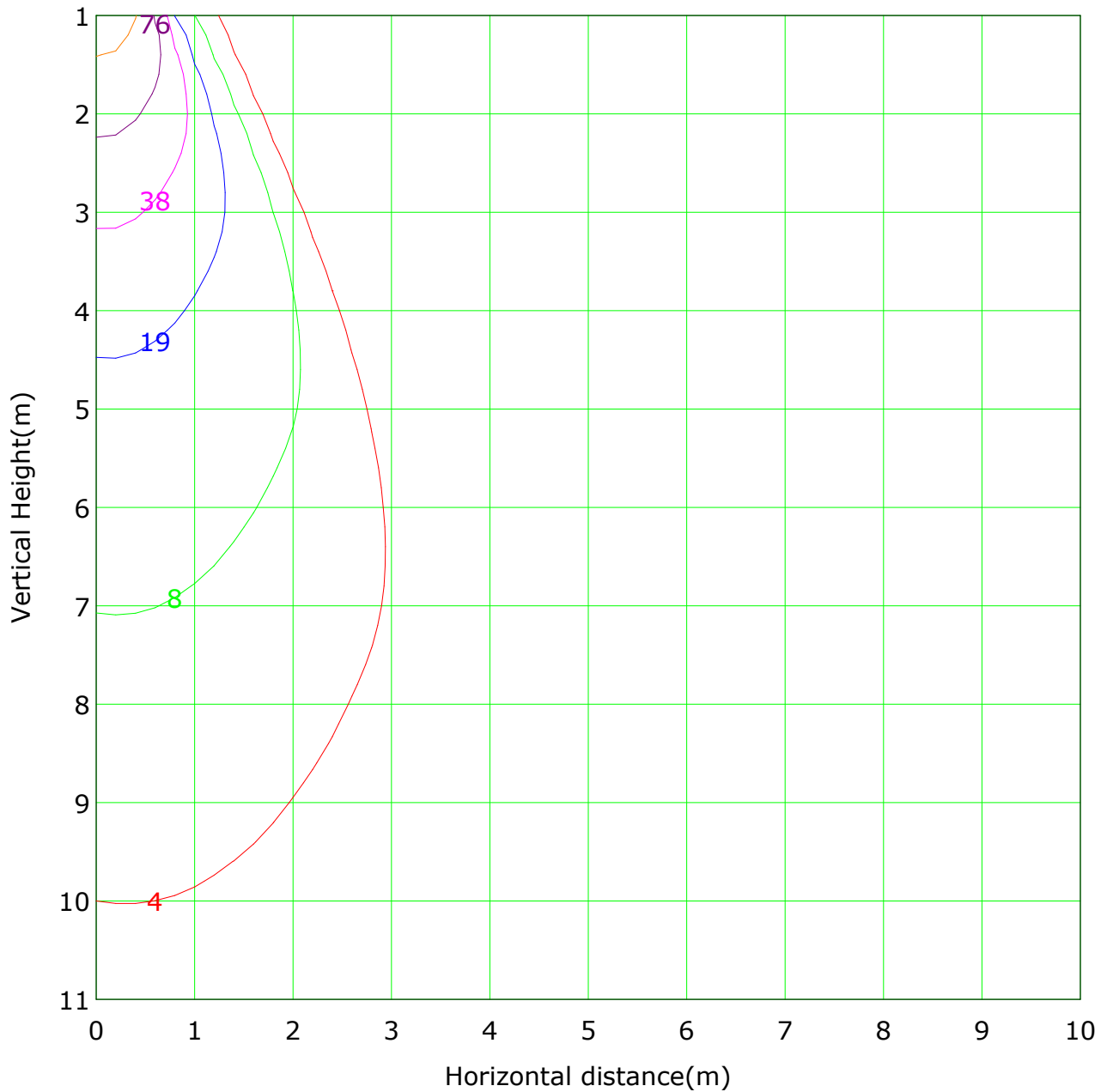
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



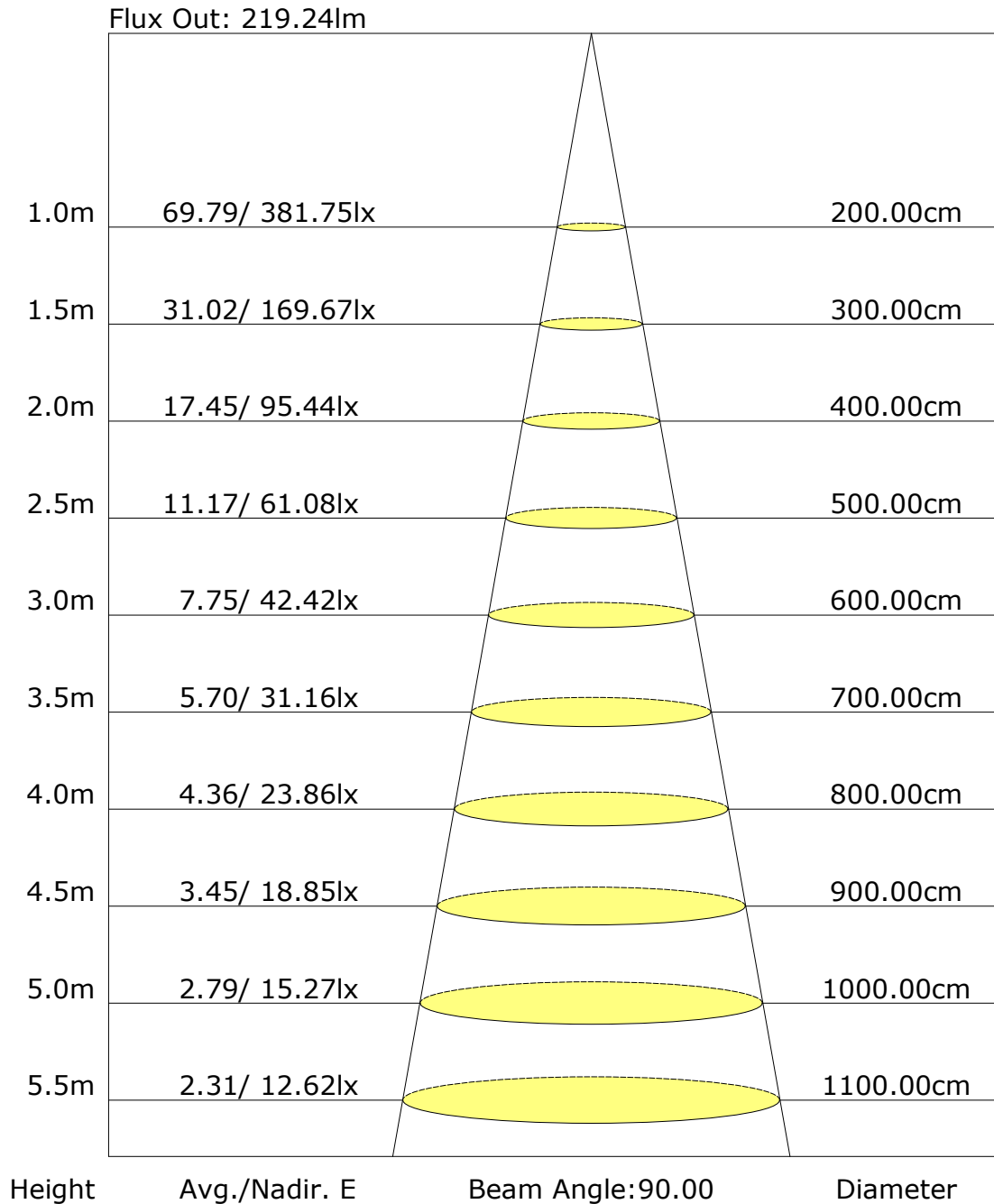
Lowest(m): 1m Highest(m): 11 Max Lux: 382

(1%): 4 lx	(2%): 8 lx
(5%): 19 lx	(10%): 38 lx
(20%): 76 lx	(50%): 191 lx
(100%): 382 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	381.4	0.4	0.4	0.16	0.16
1.0-2.0	380.1	1.1	1.5	0.47	0.63
2.0-3.0	377.7	1.8	3.3	0.78	1.42
3.0-4.0	374.2	2.5	5.8	1.09	2.50
4.0-5.0	369.7	3.2	8.9	1.38	3.88
5.0-6.0	364.1	3.8	12.8	1.66	5.54
6.0-7.0	357.6	4.4	17.2	1.93	7.47
7.0-8.0	350.4	5.0	22.2	2.18	9.64
8.0-9.0	342.8	5.6	27.8	2.41	12.05
9.0-10.0	334.7	6.1	33.8	2.63	14.68
10.0-11.0	326.0	6.5	40.4	2.83	17.51
11.0-12.0	316.9	6.9	47.3	3.01	20.51
12.0-13.0	307.4	7.3	54.6	3.17	23.68
13.0-14.0	298.1	7.6	62.2	3.31	26.99
14.0-15.0	289.0	7.9	70.2	3.44	30.43
15.0-16.0	279.8	8.2	78.4	3.56	33.99
16.0-17.0	270.1	8.4	86.8	3.65	37.64
17.0-18.0	260.1	8.6	95.3	3.72	41.36
18.0-19.0	249.7	8.7	104.0	3.77	45.12
19.0-20.0	238.6	8.7	112.8	3.79	48.91
20.0-21.0	226.8	8.7	121.5	3.78	52.69
21.0-22.0	214.0	8.6	130.1	3.73	56.42
22.0-23.0	200.2	8.4	138.5	3.64	60.07
23.0-24.0	185.6	8.1	146.6	3.52	63.59
24.0-25.0	170.3	7.7	154.3	3.36	66.95
25.0-26.0	154.5	7.3	161.6	3.16	70.11
26.0-27.0	138.6	6.8	168.4	2.94	73.05
27.0-28.0	123.1	6.2	174.6	2.70	75.75
28.0-29.0	108.1	5.7	180.3	2.45	78.21
29.0-30.0	94.2	5.1	185.4	2.21	80.41
30.0-31.0	81.5	4.5	189.9	1.97	82.38
31.0-32.0	70.1	4.0	193.9	1.74	84.12
32.0-33.0	60.1	3.5	197.5	1.54	85.66
33.0-34.0	51.5	3.1	200.6	1.35	87.01
34.0-35.0	44.2	2.7	203.3	1.19	88.20
35.0-36.0	38.1	2.4	205.8	1.05	89.26

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	33.0	2.2	207.9	0.93	90.19
37.0-38.0	28.8	1.9	209.8	0.83	91.02
38.0-39.0	25.4	1.7	211.6	0.75	91.78
39.0-40.0	22.5	1.6	213.1	0.68	92.46
40.0-41.0	20.1	1.4	214.6	0.62	93.08
41.0-42.0	18.1	1.3	215.9	0.57	93.65
42.0-43.0	16.3	1.2	217.1	0.52	94.17
43.0-44.0	14.7	1.1	218.2	0.48	94.66
44.0-45.0	13.4	1.0	219.2	0.45	95.10
45.0-46.0	12.3	1.0	220.2	0.42	95.52
46.0-47.0	11.2	0.9	221.1	0.39	95.91
47.0-48.0	10.3	0.8	221.9	0.36	96.27
48.0-49.0	9.6	0.8	222.7	0.34	96.61
49.0-50.0	8.9	0.7	223.5	0.32	96.93
50.0-51.0	8.3	0.7	224.2	0.31	97.24
51.0-52.0	7.6	0.7	224.8	0.28	97.52
52.0-53.0	7.0	0.6	225.4	0.27	97.79
53.0-54.0	6.5	0.6	226.0	0.25	98.04
54.0-55.0	5.9	0.5	226.5	0.23	98.27
55.0-56.0	5.4	0.5	227.0	0.21	98.48
56.0-57.0	4.9	0.5	227.5	0.20	98.67
57.0-58.0	4.5	0.4	227.9	0.18	98.85
58.0-59.0	4.1	0.4	228.3	0.16	99.02
59.0-60.0	3.7	0.3	228.6	0.15	99.17
60.0-61.0	3.3	0.3	228.9	0.14	99.31
61.0-62.0	3.0	0.3	229.2	0.13	99.43
62.0-63.0	2.6	0.3	229.5	0.11	99.54
63.0-64.0	2.2	0.2	229.7	0.09	99.64
64.0-65.0	1.9	0.2	229.9	0.08	99.72
65.0-66.0	1.7	0.2	230.1	0.07	99.79
66.0-67.0	1.4	0.1	230.2	0.06	99.85
67.0-68.0	1.1	0.1	230.3	0.05	99.90
68.0-69.0	0.8	0.1	230.4	0.04	99.94
69.0-70.0	0.6	0.1	230.5	0.02	99.96
70.0-71.0	0.4	0.0	230.5	0.02	99.98
71.0-72.0	0.2	0.0	230.5	0.01	99.99

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	381.8	381.8								
G1.0	383.9	378.4								
G2.0	384.5	373.7								
G3.0	383.7	368.7								
G4.0	382.0	362.5								
G5.0	378.5	355.8								
G6.0	373.8	348.2								
G7.0	367.7	340.5								
G8.0	360.9	332.3								
G9.0	353.8	324.0								
G10.0	345.8	315.2								
G11.0	336.7	306.5								
G12.0	326.9	297.6								
G13.0	317.0	288.4								
G14.0	307.5	279.7								
G15.0	297.6	271.3								
G16.0	287.6	262.6								
G17.0	277.0	253.3								
G18.0	266.9	243.1								
G19.0	257.2	231.5								
G20.0	247.2	218.6								
G21.0	237.0	204.2								
G22.0	225.7	189.2								
G23.0	212.9	173.1								
G24.0	199.4	156.9								
G25.0	184.5	140.4								
G26.0	169.0	124.0								
G27.0	152.8	108.5								
G28.0	136.9	94.0								
G29.0	121.2	80.4								
G30.0	106.4	68.7								
G31.0	92.5	58.3								
G32.0	80.2	49.4								
G33.0	68.8	42.1								
G34.0	59.2	36.0								
G35.0	50.8	30.9								
G36.0	43.8	26.8								

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	38.0	23.3								
G38.0	33.2	20.7								
G39.0	29.2	18.5								
G40.0	25.8	16.5								
G41.0	23.2	14.9								
G42.0	20.9	13.4								
G43.0	18.9	12.2								
G44.0	17.0	10.9								
G45.0	15.4	10.2								
G46.0	14.1	9.3								
G47.0	12.9	8.6								
G48.0	11.9	7.9								
G49.0	11.2	7.2								
G50.0	10.4	6.9								
G51.0	9.6	6.3								
G52.0	8.9	5.7								
G53.0	8.3	5.2								
G54.0	7.7	4.7								
G55.0	7.1	4.2								
G56.0	6.5	4.0								
G57.0	6.0	3.3								
G58.0	5.5	3.2								
G59.0	5.0	2.6								
G60.0	4.7	2.4								
G61.0	4.2	2.0								
G62.0	4.0	1.9								
G63.0	3.2	1.4								
G64.0	2.9	1.2								
G65.0	2.6	1.0								
G66.0	2.2	0.9								
G67.0	2.0	0.6								
G68.0	1.6	0.4								
G69.0	1.1	0.1								
G70.0	1.0	0.0								
G71.0	0.6	0.0								
G72.0	0.4	0.0								
G73.0	0.1	0.0								

C Plane (°):0.0-180.0: 180.0

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Distance: 3.328 m

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Inspector:

Unit: cd

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