

Report No.:

Test Time: 2024-08-28 17:32

Luminaire Property

Luminaire Category:

Luminaire Description: 51.04519 24D

Current: 0.029 A

Power Factor: 0.464

Voltage: 225.2 V

Power: 3.00 W

Photometric Results

CIE Class: Direct

Measurement Flux: 226.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H22.4

Vertical Diffuse Angle(50%): V22.4

Luminaire Efficacy Rating (LER): 76

Max. Intensity: 1066.68 cd

Total Rated Lamp Lumens: 226.9 lm

Efficiency: 100%

Upward Ratio: 0%

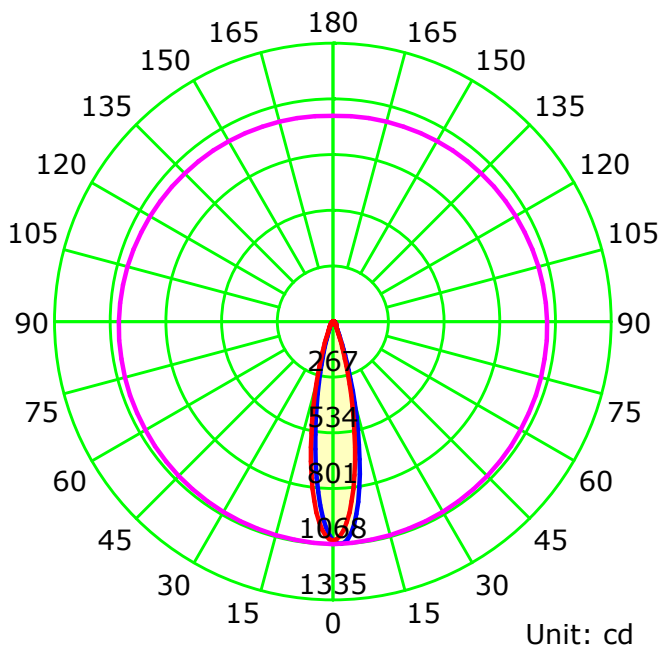
Central Intensity: 1049.42 cd

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

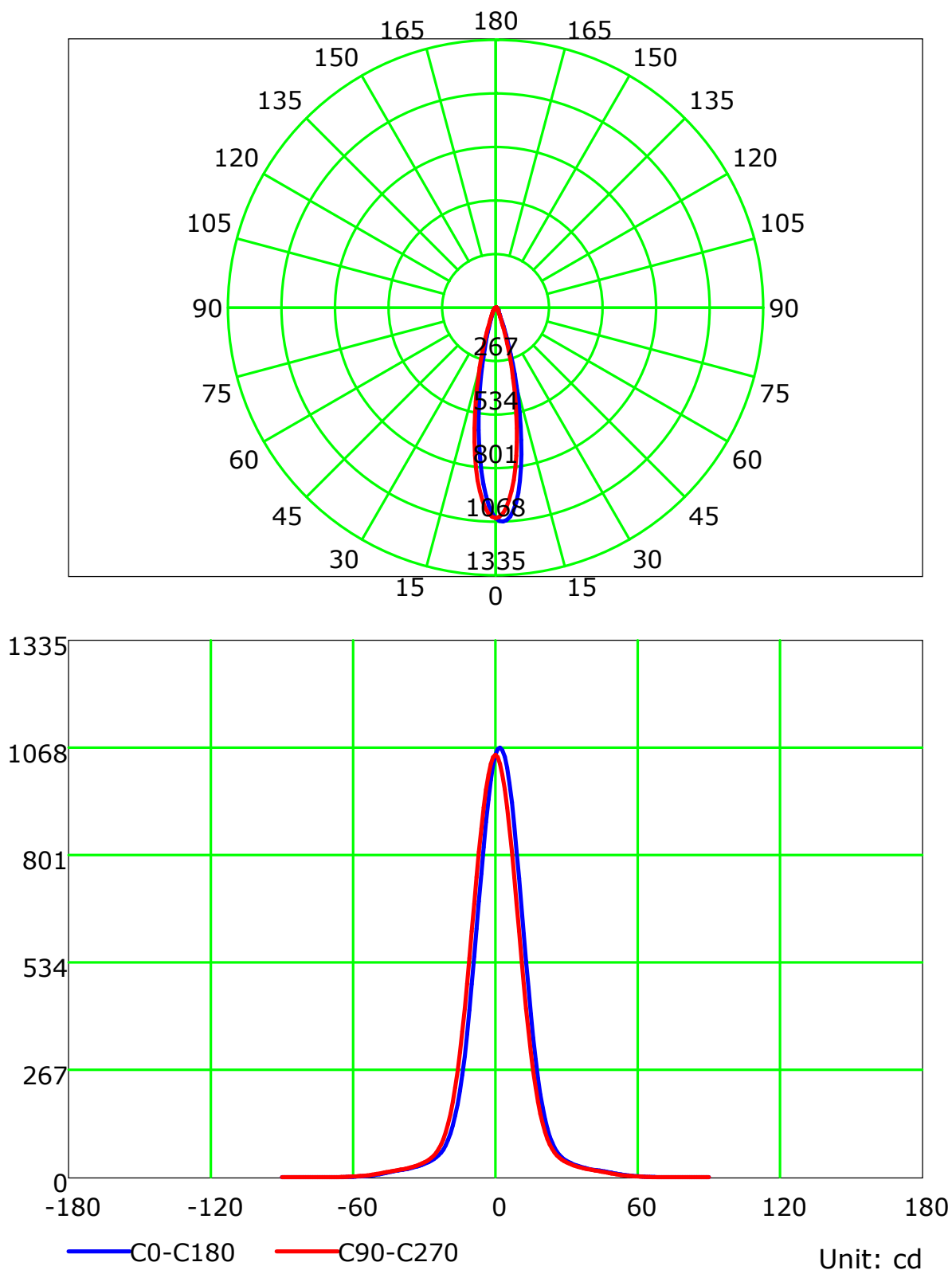
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

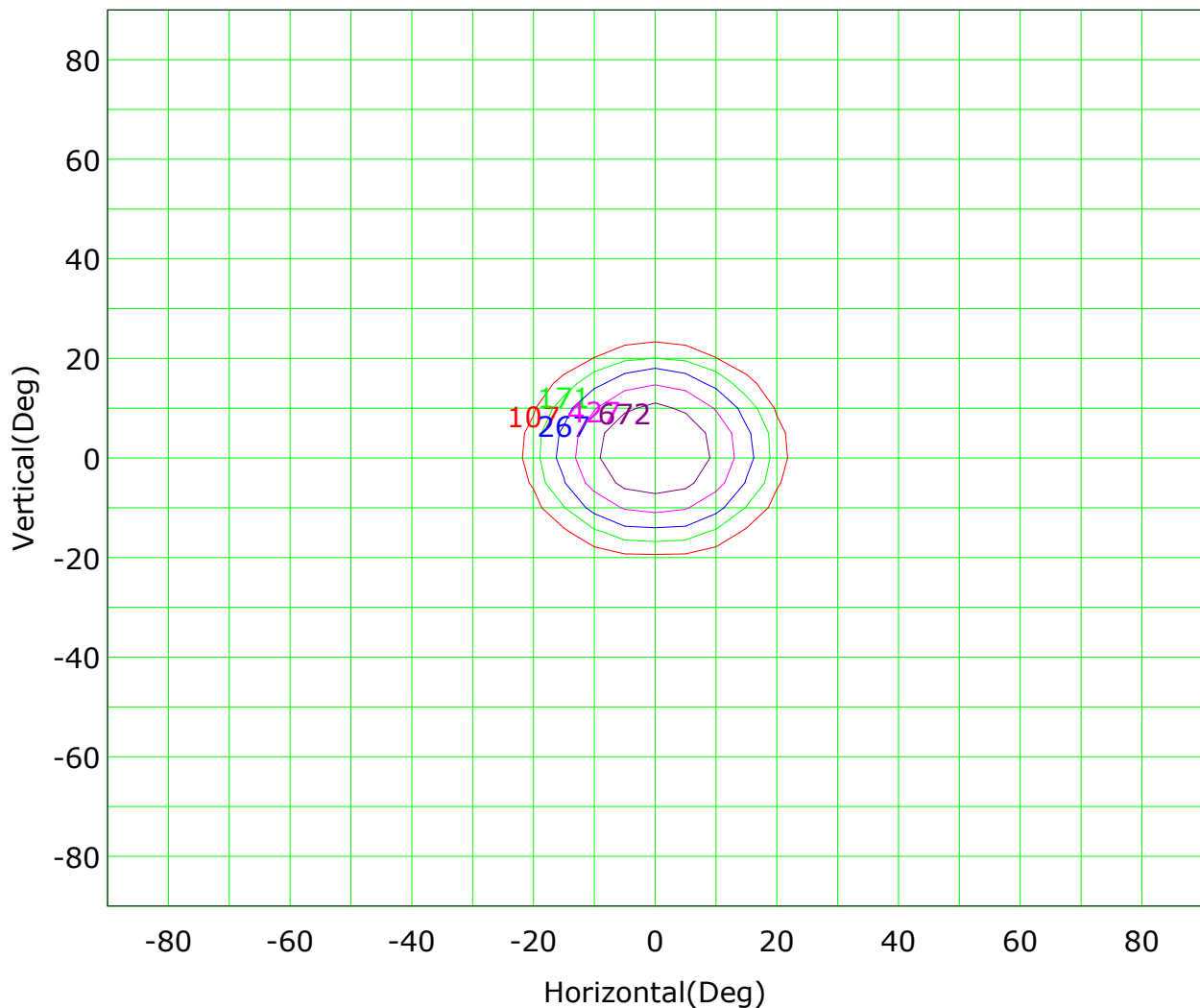
Luminous Intensity Distribution Curve



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%): 1067 cd

(10%):	107 cd	(16%):	171 cd
(25%):	267 cd	(40%):	427 cd
(63%):	672 cd	(100%):	1067 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

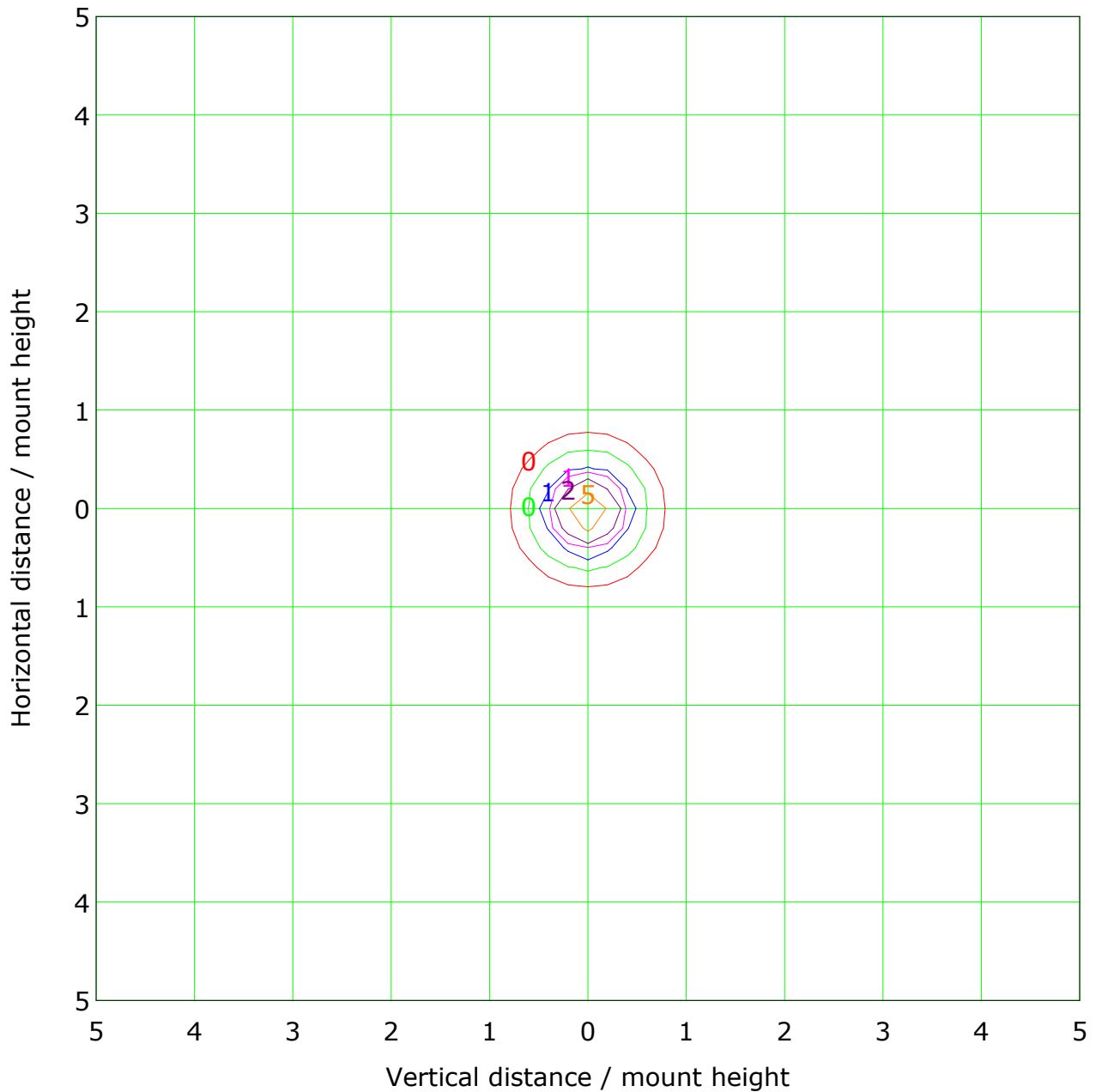
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 11 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	2 lx	— (50%):	5 lx
— (100%):	11 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

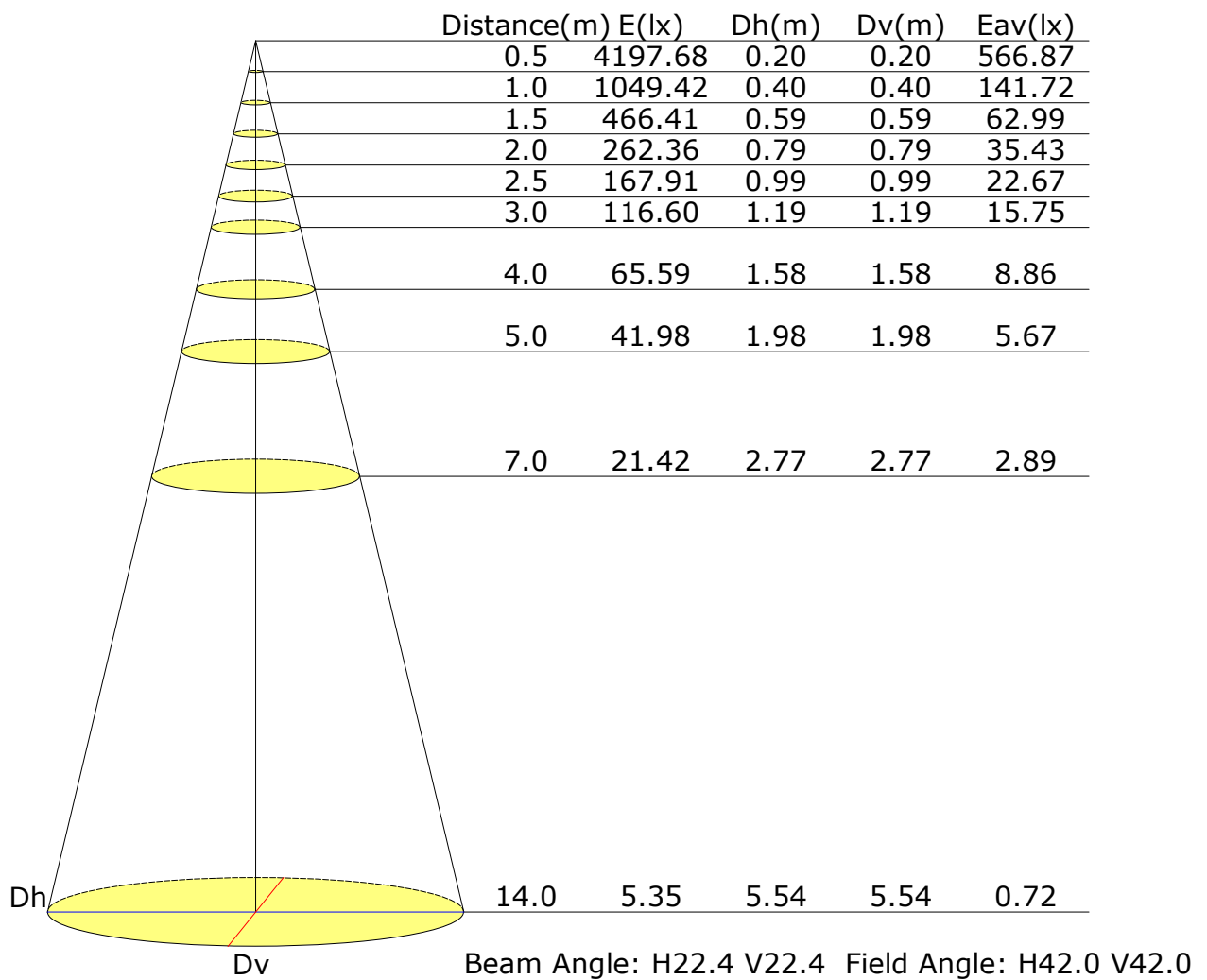
Test Device: CHL-6E

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

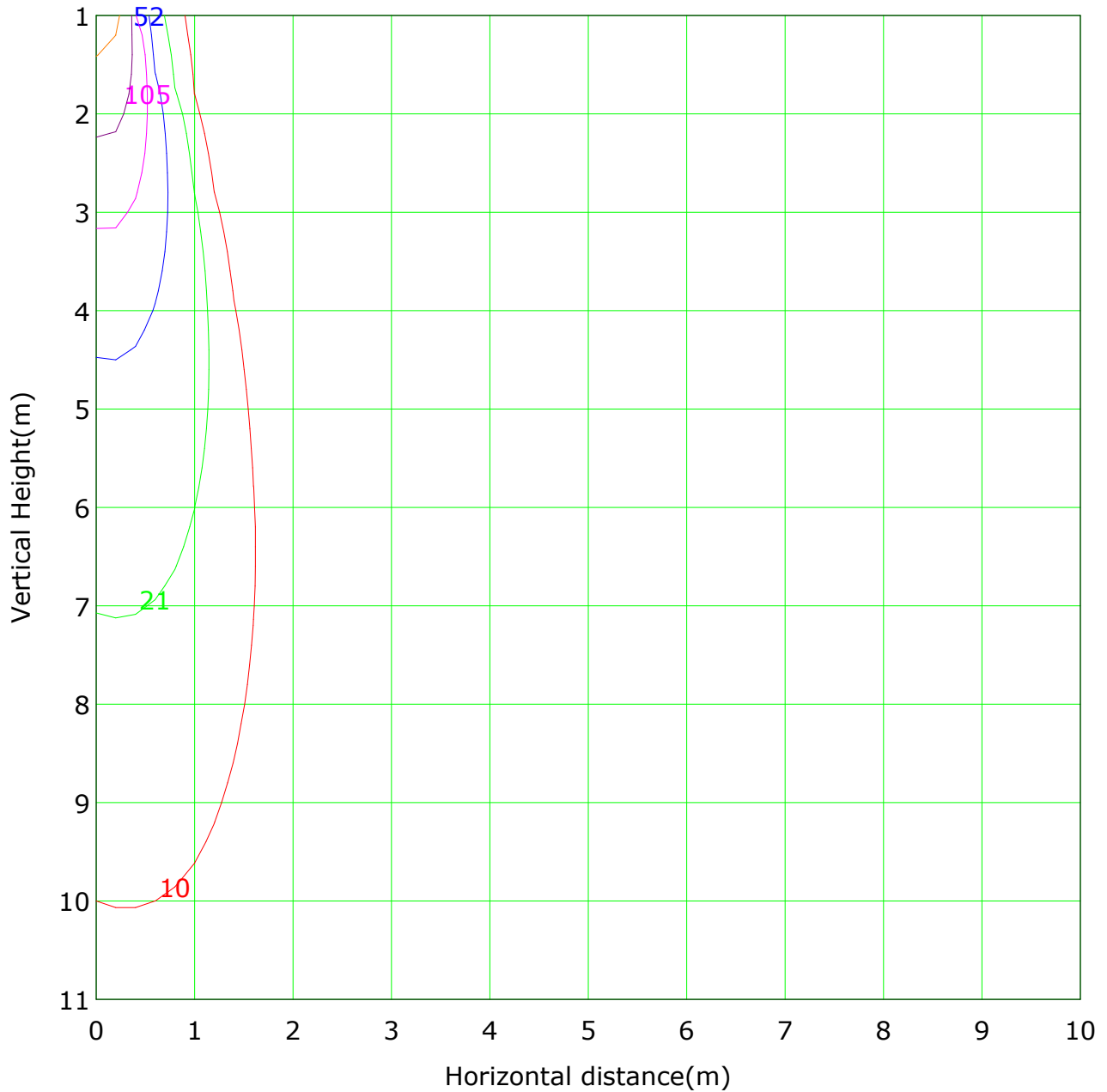
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

Vertical IsoLux Plot



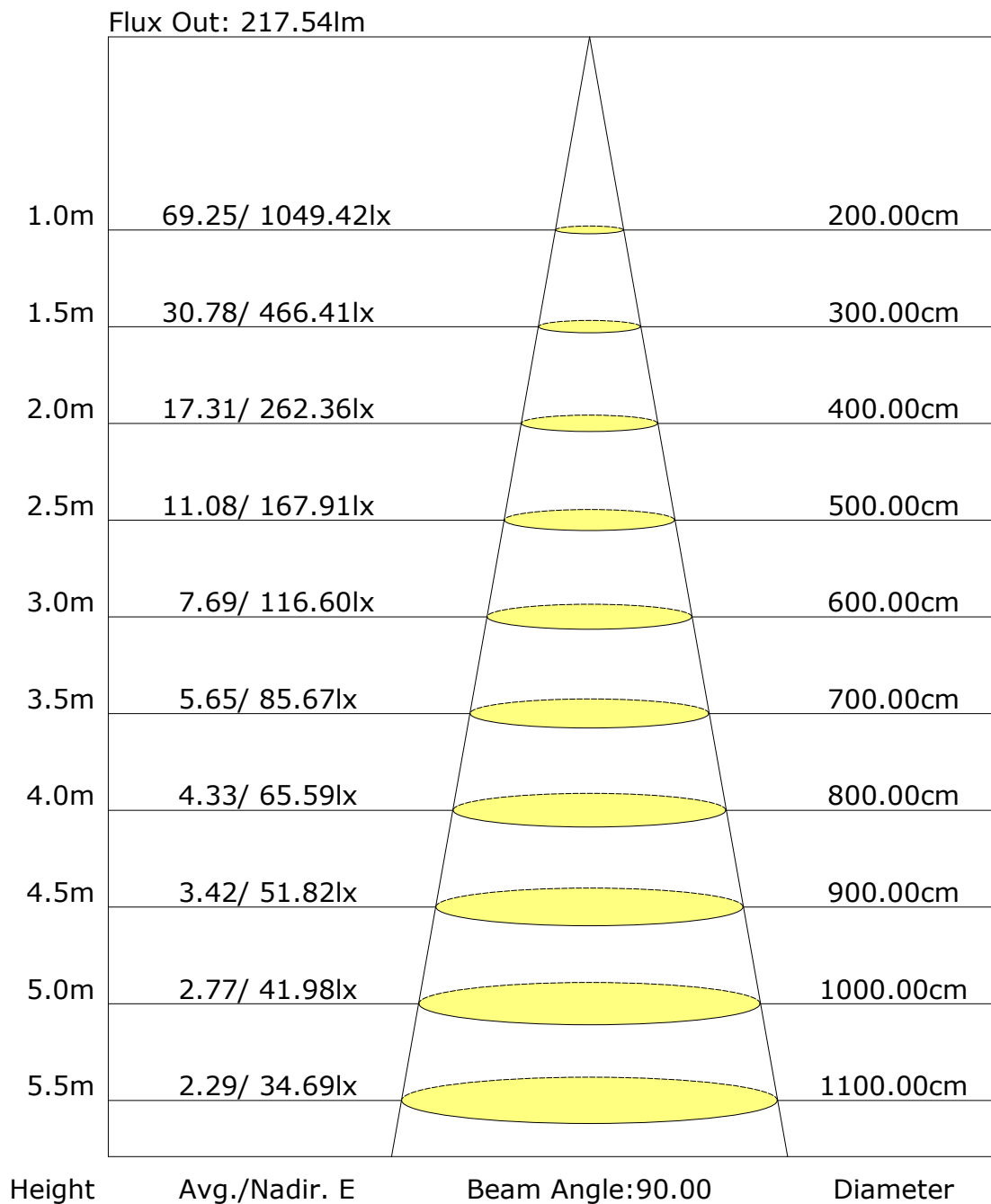
Lowest(m): 1m Highest(m): 11 Max Lux: 1049

(1%): 10 lx	(2%): 21 lx
(5%): 52 lx	(10%): 105 lx
(20%): 210 lx	(50%): 525 lx
(100%): 1049 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	1046.6	1.0	1.0	0.44	0.44
1.0-2.0	1035.2	3.0	4.0	1.31	1.75
2.0-3.0	1013.2	4.8	8.8	2.14	3.89
3.0-4.0	981.4	6.6	15.4	2.90	6.78
4.0-5.0	940.7	8.1	23.5	3.57	10.35
5.0-6.0	892.1	9.4	32.9	4.13	14.48
6.0-7.0	837.1	10.4	43.3	4.58	19.06
7.0-8.0	776.5	11.1	54.4	4.90	23.96
8.0-9.0	712.0	11.5	65.9	5.09	29.05
9.0-10.0	645.0	11.7	77.6	5.14	34.19
10.0-11.0	577.7	11.5	89.1	5.09	39.28
11.0-12.0	512.1	11.2	100.3	4.93	44.21
12.0-13.0	449.5	10.7	111.0	4.70	48.91
13.0-14.0	390.6	10.0	121.0	4.41	53.32
14.0-15.0	336.2	9.2	130.2	4.07	57.39
15.0-16.0	287.0	8.4	138.6	3.71	61.09
16.0-17.0	243.1	7.6	146.2	3.34	64.43
17.0-18.0	204.9	6.8	153.0	2.98	67.41
18.0-19.0	172.3	6.0	159.0	2.64	70.05
19.0-20.0	144.8	5.3	164.3	2.34	72.39
20.0-21.0	121.9	4.7	168.9	2.06	74.45
21.0-22.0	103.1	4.1	173.1	1.83	76.28
22.0-23.0	87.9	3.7	176.8	1.63	77.90
23.0-24.0	75.7	3.3	180.1	1.46	79.36
24.0-25.0	65.8	3.0	183.1	1.32	80.68
25.0-26.0	57.8	2.7	185.8	1.20	81.88
26.0-27.0	51.5	2.5	188.3	1.11	82.99
27.0-28.0	46.3	2.3	190.7	1.03	84.02
28.0-29.0	42.1	2.2	192.9	0.97	85.00
29.0-30.0	38.6	2.1	195.0	0.92	85.91
30.0-31.0	35.7	2.0	196.9	0.88	86.79
31.0-32.0	33.1	1.9	198.8	0.84	87.63
32.0-33.0	30.8	1.8	200.6	0.80	88.43
33.0-34.0	28.7	1.7	202.4	0.77	89.19
34.0-35.0	26.9	1.7	204.1	0.74	89.93
35.0-36.0	25.1	1.6	205.7	0.70	90.63

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	23.5	1.5	207.2	0.67	91.31
37.0-38.0	22.0	1.5	208.7	0.65	91.96
38.0-39.0	20.8	1.4	210.1	0.62	92.58
39.0-40.0	19.6	1.4	211.4	0.60	93.18
40.0-41.0	18.5	1.3	212.8	0.58	93.76
41.0-42.0	17.4	1.3	214.0	0.56	94.32
42.0-43.0	16.5	1.2	215.3	0.54	94.86
43.0-44.0	15.6	1.2	216.4	0.52	95.38
44.0-45.0	14.5	1.1	217.5	0.49	95.87
45.0-46.0	13.3	1.0	218.6	0.46	96.33
46.0-47.0	12.1	1.0	219.5	0.43	96.75
47.0-48.0	11.0	0.9	220.4	0.39	97.14
48.0-49.0	10.0	0.8	221.3	0.36	97.51
49.0-50.0	8.9	0.7	222.0	0.33	97.83
50.0-51.0	7.8	0.7	222.7	0.29	98.12
51.0-52.0	6.8	0.6	223.2	0.26	98.38
52.0-53.0	6.0	0.5	223.8	0.23	98.61
53.0-54.0	5.3	0.5	224.2	0.21	98.81
54.0-55.0	4.6	0.4	224.6	0.18	98.99
55.0-56.0	4.0	0.4	225.0	0.16	99.15
56.0-57.0	3.6	0.3	225.3	0.14	99.30
57.0-58.0	3.1	0.3	225.6	0.13	99.42
58.0-59.0	2.5	0.2	225.8	0.10	99.52
59.0-60.0	2.1	0.2	226.0	0.09	99.61
60.0-61.0	1.8	0.2	226.2	0.08	99.69
61.0-62.0	1.5	0.1	226.3	0.06	99.75
62.0-63.0	1.2	0.1	226.5	0.05	99.80
63.0-64.0	1.1	0.1	226.6	0.05	99.85
64.0-65.0	0.8	0.1	226.7	0.04	99.89
65.0-66.0	0.7	0.1	226.7	0.03	99.92
66.0-67.0	0.5	0.0	226.8	0.02	99.94
67.0-68.0	0.4	0.0	226.8	0.02	99.96
68.0-69.0	0.3	0.0	226.8	0.02	99.97
69.0-70.0	0.2	0.0	226.9	0.01	99.98
70.0-71.0	0.2	0.0	226.9	0.01	99.99
71.0-72.0	0.2	0.0	226.9	0.01	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	1049.4	1049.4								
G1.0	1063.2	1024.2								
G2.0	1066.7	986.8								
G3.0	1060.7	938.5								
G4.0	1044.3	882.2								
G5.0	1016.6	819.7								
G6.0	978.3	753.8								
G7.0	930.6	685.5								
G8.0	872.9	617.1								
G9.0	809.2	548.6								
G10.0	742.4	480.0								
G11.0	672.9	415.4								
G12.0	604.7	355.6								
G13.0	536.9	300.8								
G14.0	470.0	254.5								
G15.0	405.6	214.8								
G16.0	346.3	181.3								
G17.0	292.2	152.8								
G18.0	245.4	129.1								
G19.0	205.7	109.0								
G20.0	172.1	92.5								
G21.0	143.6	79.3								
G22.0	120.4	68.9								
G23.0	101.2	61.1								
G24.0	85.7	54.8								
G25.0	73.3	49.4								
G26.0	63.4	45.2								
G27.0	55.5	41.7								
G28.0	49.7	38.5								
G29.0	44.7	35.6								
G30.0	41.1	33.0								
G31.0	37.7	30.9								
G32.0	35.0	28.8								
G33.0	32.3	27.1								
G34.0	30.2	25.5								
G35.0	28.1	23.8								
G36.0	26.2	22.4								

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	24.5	20.9								
G38.0	23.0	19.9								
G39.0	21.4	18.9								
G40.0	20.0	18.1								
G41.0	18.9	17.0								
G42.0	17.9	16.0								
G43.0	17.3	14.9								
G44.0	16.5	13.7								
G45.0	15.5	12.2								
G46.0	14.6	10.9								
G47.0	13.4	9.6								
G48.0	12.4	8.6								
G49.0	11.4	7.6								
G50.0	10.1	6.5								
G51.0	9.1	5.5								
G52.0	7.9	4.7								
G53.0	7.1	4.1								
G54.0	6.3	3.7								
G55.0	5.3	3.0								
G56.0	4.7	2.9								
G57.0	4.2	2.5								
G58.0	3.6	2.0								
G59.0	3.0	1.4								
G60.0	2.9	1.1								
G61.0	2.4	1.0								
G62.0	1.6	1.0								
G63.0	1.5	0.9								
G64.0	1.2	0.6								
G65.0	1.1	0.4								
G66.0	0.7	0.4								
G67.0	0.7	0.1								
G68.0	0.6	0.1								
G69.0	0.6	0.0								
G70.0	0.4	0.0								
G71.0	0.4	0.0								
G72.0	0.3	0.0								
G73.0	0.0	0.0								

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:

Unit: cd

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