

Report No.:55.03521 Mine Recessed

Test Time: 2024-10-07 19:27

Luminaire Property

Luminaire Category:

Luminaire Description: Bridgelux 5050 4000K CRI90 Voltage: 236.2 V

Current: 0.068 A

Power: 13.10 W

Power Factor: 0.815

Photometric Results

CIE Class: Direct

Measurement Flux: 913 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H17.5

Vertical Diffuse Angle(50%): V17.5

Luminaire Efficacy Rating (LER): 70

Max. Intensity: 6189.59 cd

Total Rated Lamp Lumens: 913.0 lm

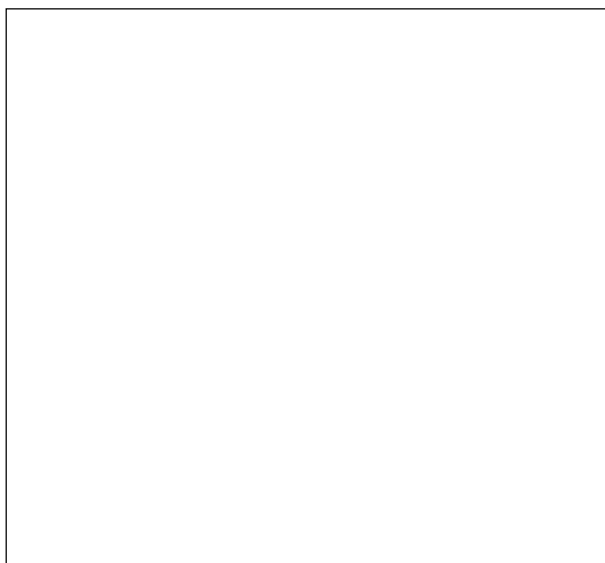
Efficiency: 100%

Upward Ratio: 0%

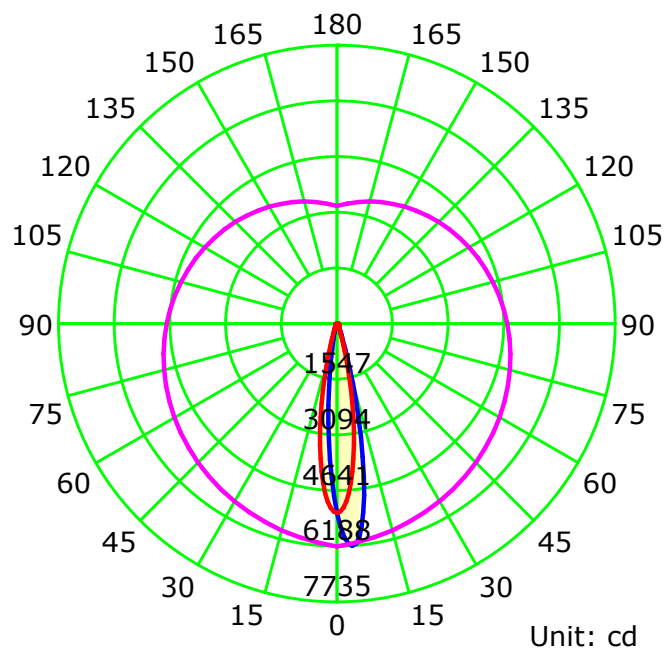
Central Intensity: 5258.34 cd

Pos of Max. Intensity: H0 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G4

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

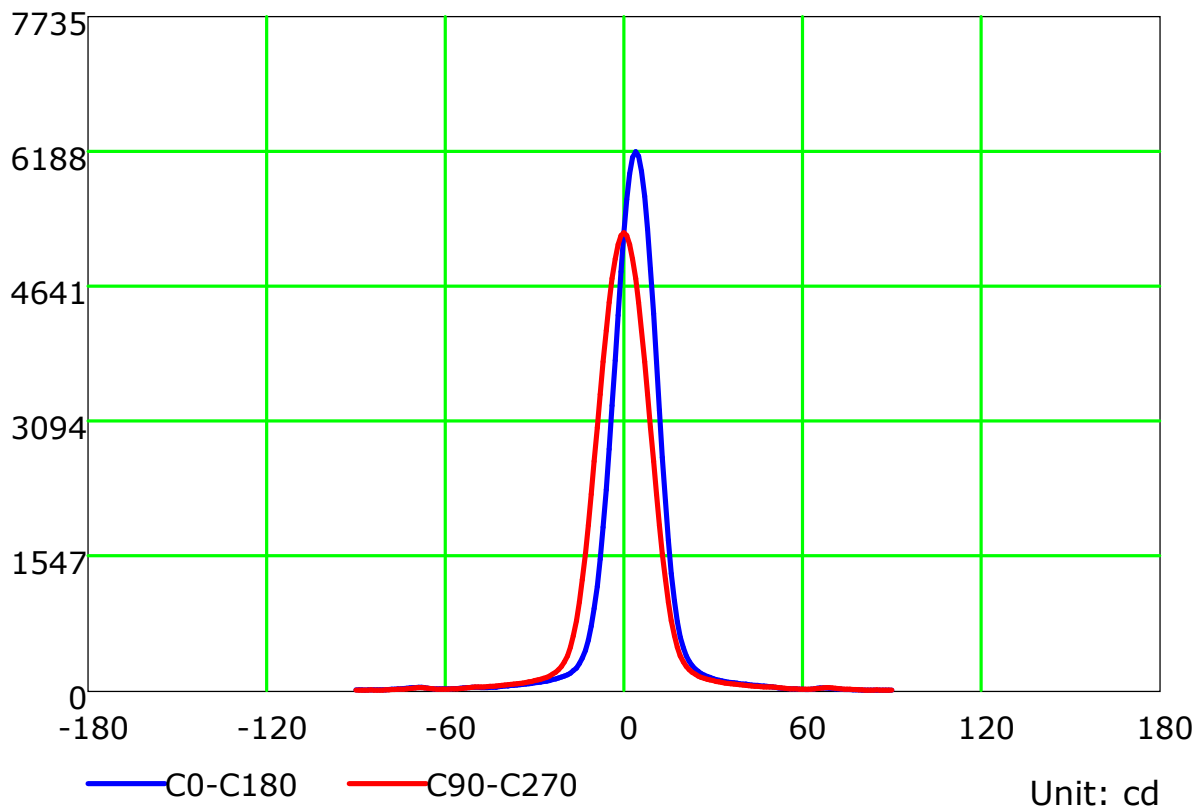
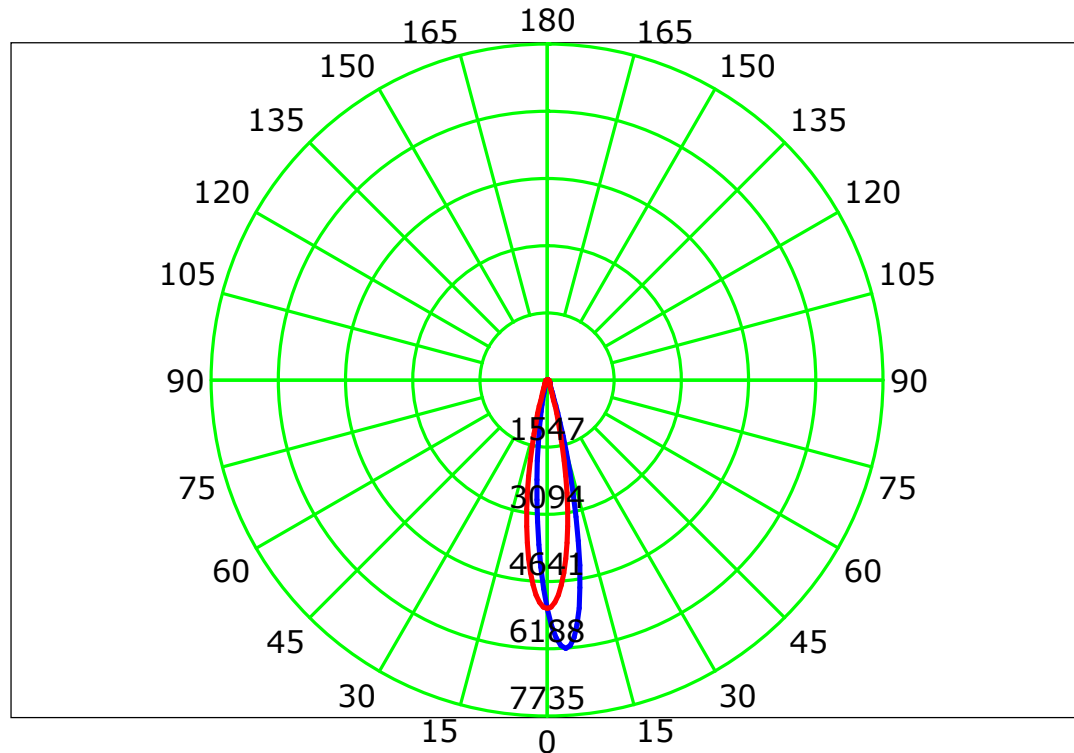
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

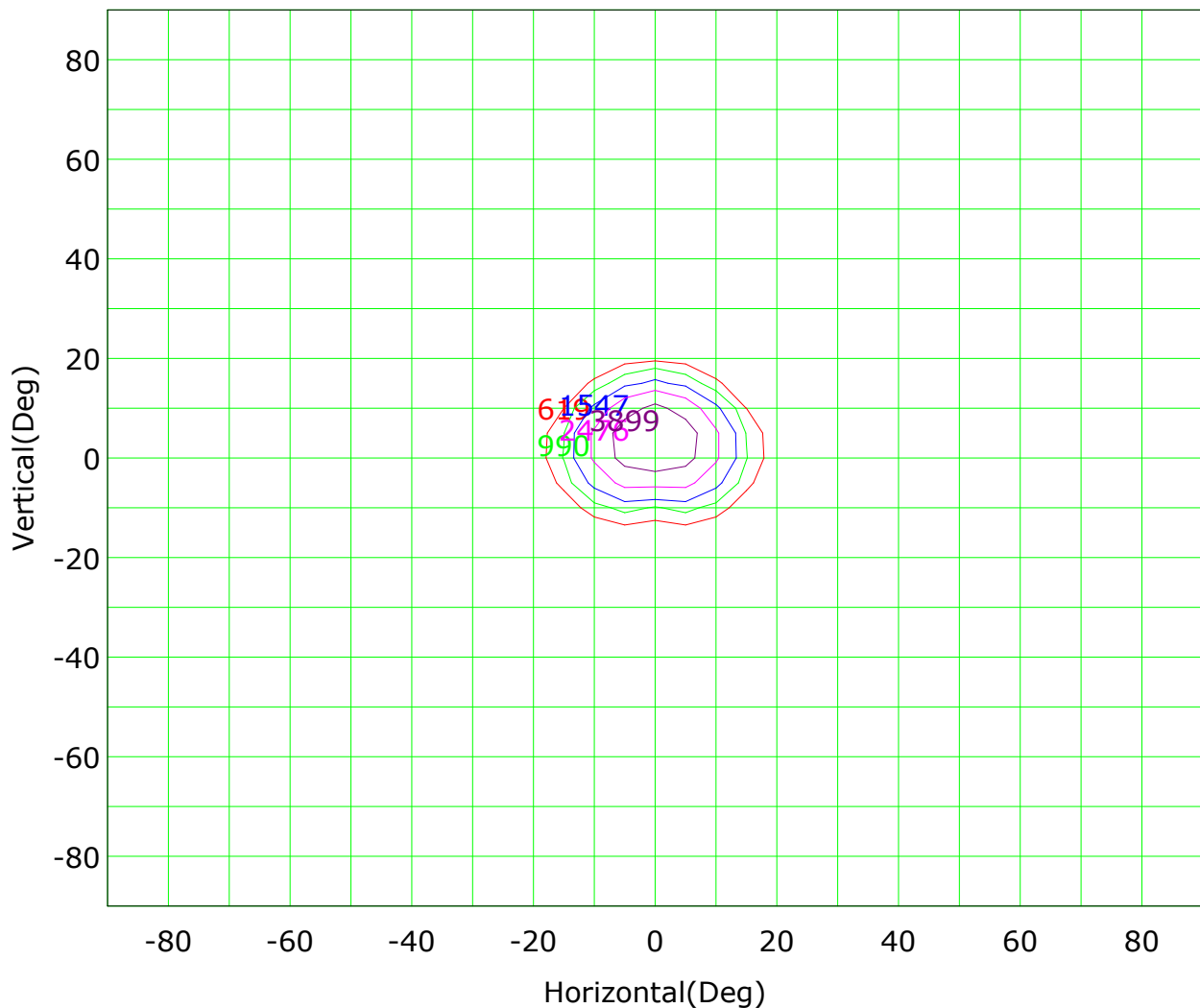
Luminous Intensity Distribution Curve



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%): 6190 cd

(10%): 619 cd	(16%): 990 cd
(25%): 1547 cd	(40%): 2476 cd
(63%): 3899 cd	(100%): 6190 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

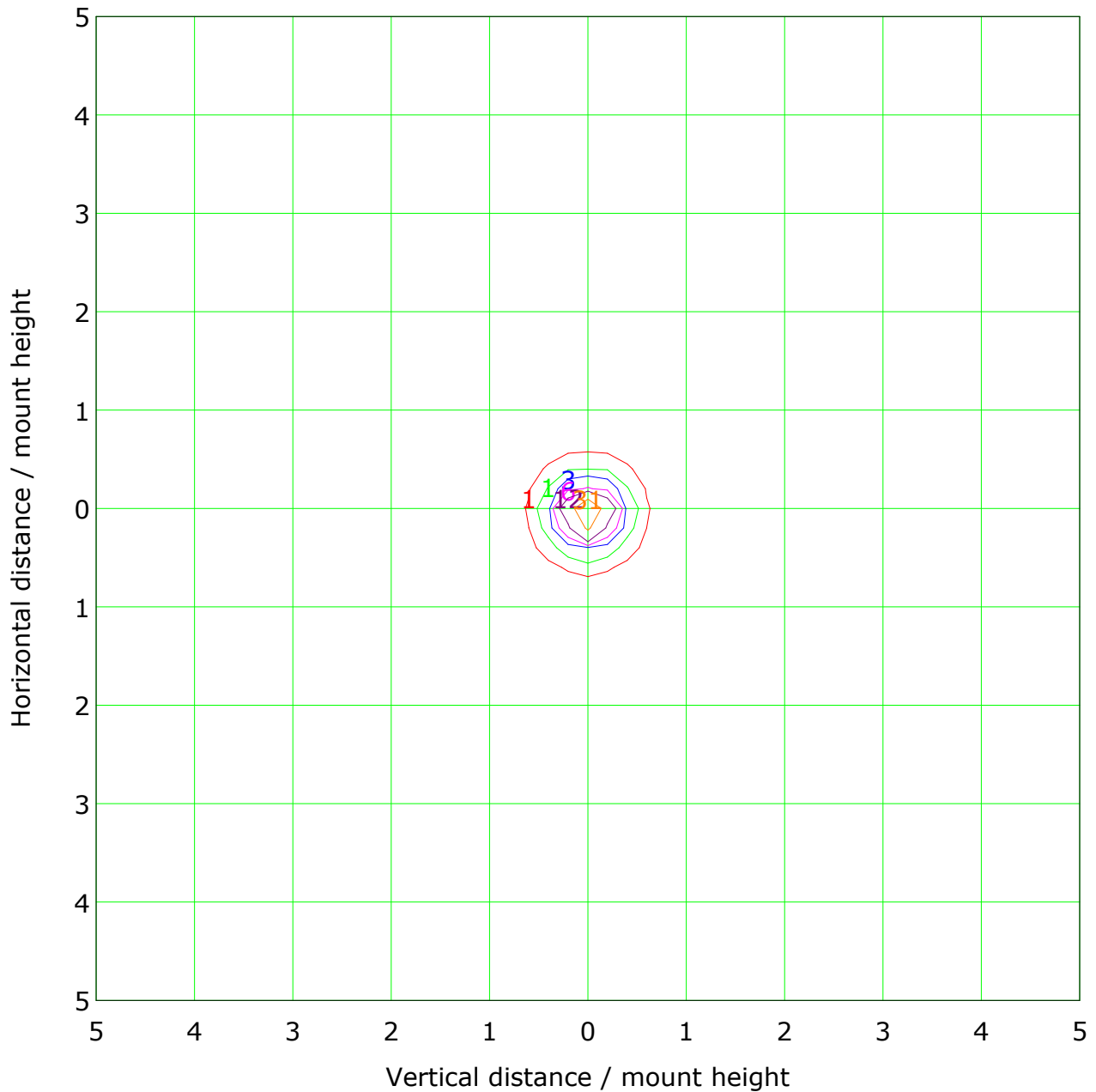
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

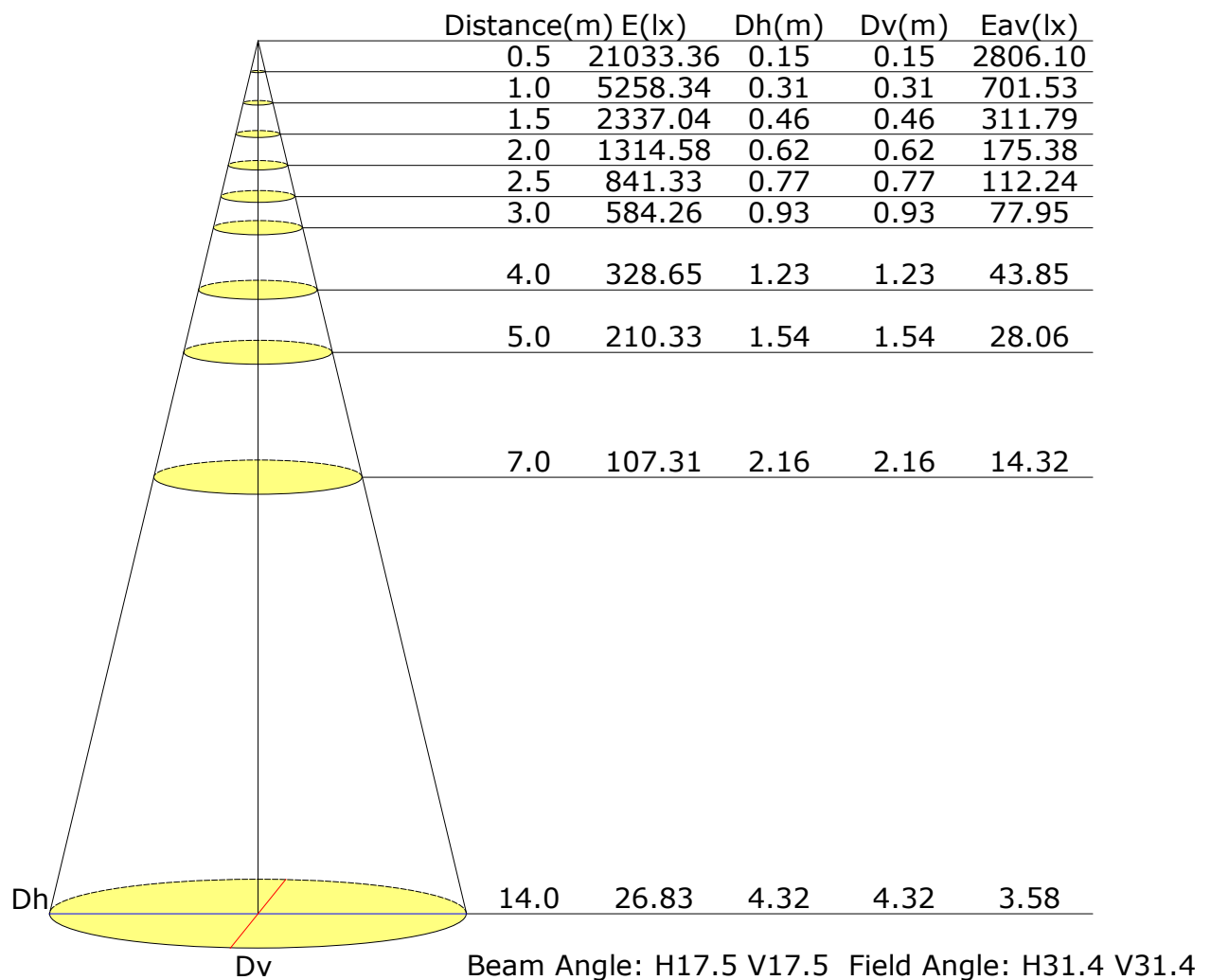


Mounting Height: 10m		Max Lux(100%): 61 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	6 lx
(20%):	12 lx	(50%):	31 lx
(100%):	61 lx		

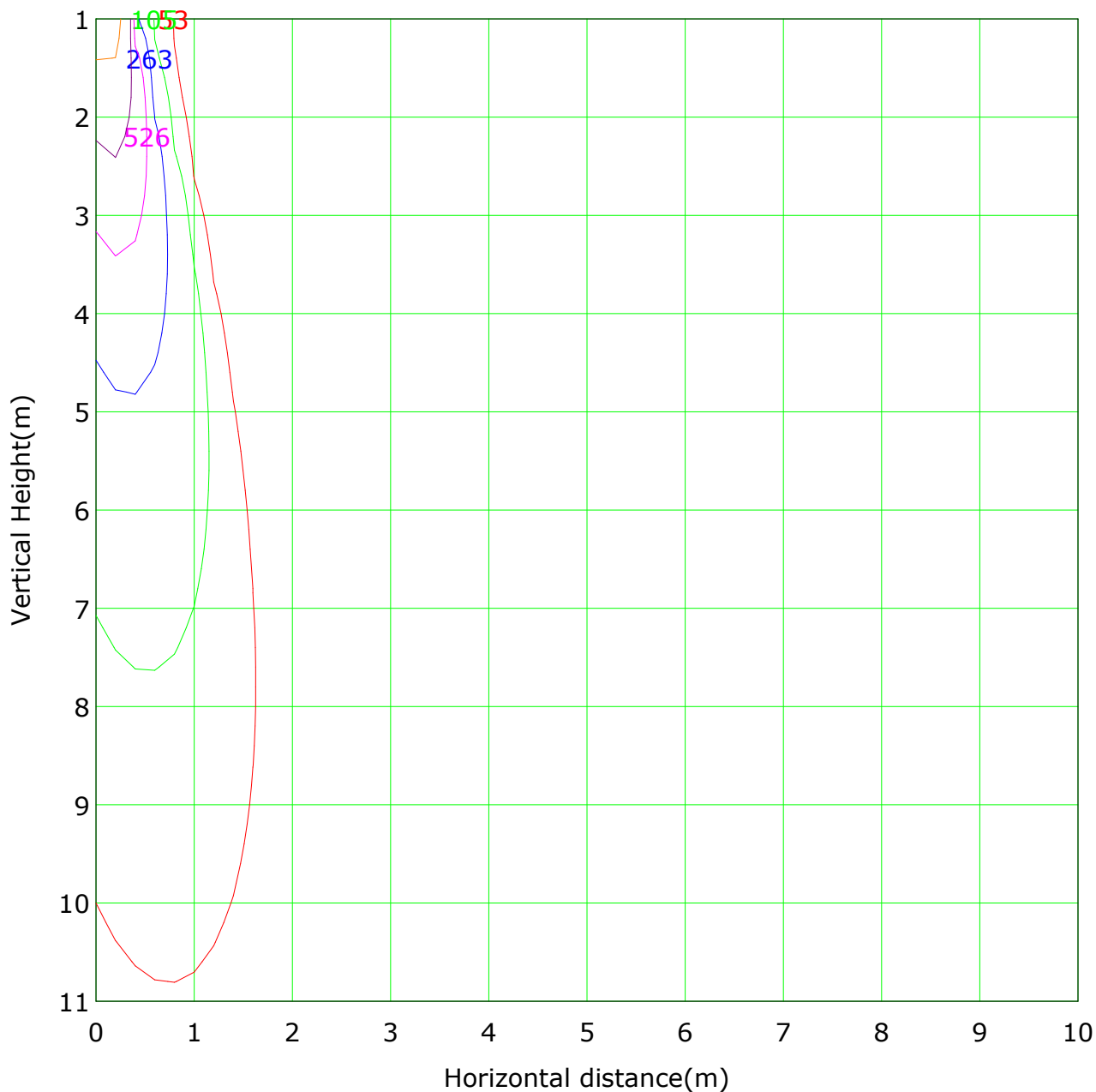
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



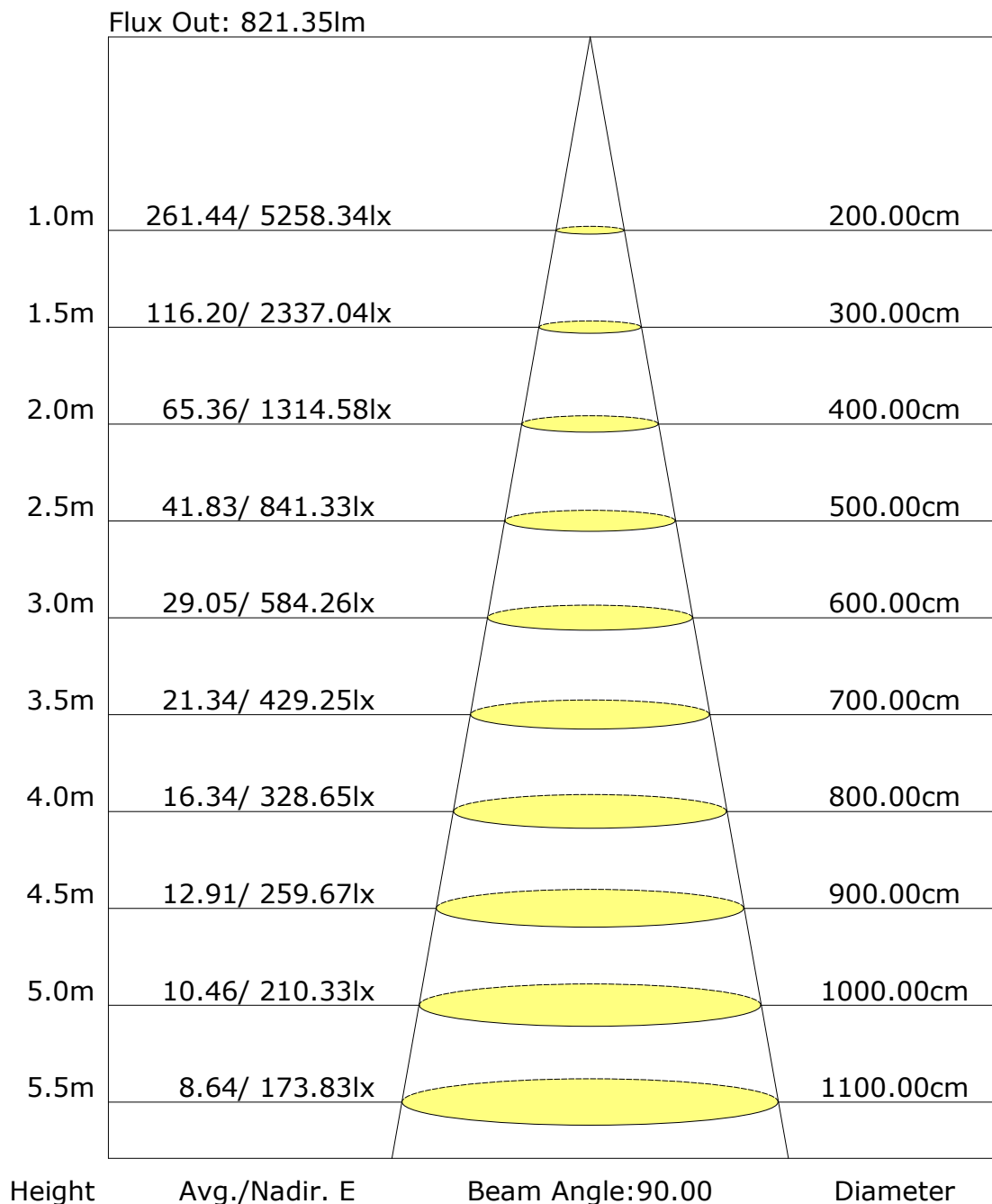
Lowest(m): 1m Highest(m): 11 Max Lux: 5258

(1%): 53 lx	(2%): 105 lx
(5%): 263 lx	(10%): 526 lx
(20%): 1052 lx	(50%): 2629 lx
(100%): 5258 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	5241.8	5.0	5.0	0.55	0.55
1.0-2.0	5173.6	14.9	19.9	1.63	2.18
2.0-3.0	5038.9	24.1	44.0	2.64	4.82
3.0-4.0	4843.8	32.4	76.4	3.55	8.37
4.0-5.0	4593.3	39.5	115.9	4.33	12.70
5.0-6.0	4294.4	45.1	161.1	4.94	17.64
6.0-7.0	3955.3	49.1	210.2	5.38	23.02
7.0-8.0	3590.0	51.4	261.5	5.63	28.65
8.0-9.0	3211.0	52.0	313.6	5.70	34.35
9.0-10.0	2826.8	51.2	364.8	5.60	39.95
10.0-11.0	2445.3	48.9	413.6	5.35	45.30
11.0-12.0	2077.5	45.4	459.0	4.97	50.28
12.0-13.0	1734.4	41.2	500.2	4.51	54.79
13.0-14.0	1421.5	36.4	536.6	3.99	58.77
14.0-15.0	1145.7	31.5	568.1	3.45	62.22
15.0-16.0	910.4	26.7	594.7	2.92	65.14
16.0-17.0	716.5	22.3	617.0	2.44	67.58
17.0-18.0	563.5	18.6	635.6	2.04	69.62
18.0-19.0	448.5	15.6	651.2	1.71	71.33
19.0-20.0	364.3	13.3	664.6	1.46	72.79
20.0-21.0	302.9	11.6	676.2	1.27	74.06
21.0-22.0	258.7	10.4	686.6	1.14	75.20
22.0-23.0	225.3	9.5	696.1	1.04	76.24
23.0-24.0	199.5	8.7	704.8	0.96	77.19
24.0-25.0	178.6	8.1	712.9	0.89	78.08
25.0-26.0	161.4	7.6	720.5	0.83	78.92
26.0-27.0	148.0	7.2	727.8	0.79	79.71
27.0-28.0	136.5	6.9	734.7	0.76	80.47
28.0-29.0	126.8	6.6	741.3	0.73	81.19
29.0-30.0	118.4	6.4	747.7	0.70	81.89
30.0-31.0	110.0	6.1	753.8	0.67	82.57
31.0-32.0	102.8	5.9	759.7	0.65	83.21
32.0-33.0	96.3	5.7	765.4	0.62	83.83
33.0-34.0	90.4	5.5	770.9	0.60	84.43
34.0-35.0	85.7	5.3	776.2	0.58	85.01
35.0-36.0	81.7	5.2	781.4	0.57	85.58

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	77.3	5.0	786.4	0.55	86.14
37.0-38.0	73.9	4.9	791.4	0.54	86.68
38.0-39.0	70.1	4.8	796.2	0.52	87.20
39.0-40.0	65.8	4.6	800.7	0.50	87.70
40.0-41.0	63.0	4.5	805.2	0.49	88.19
41.0-42.0	59.5	4.3	809.5	0.47	88.67
42.0-43.0	54.9	4.1	813.6	0.45	89.11
43.0-44.0	51.7	3.9	817.5	0.43	89.54
44.0-45.0	49.9	3.8	821.3	0.42	89.96
45.0-46.0	46.8	3.7	825.0	0.40	90.36
46.0-47.0	44.3	3.5	828.5	0.39	90.75
47.0-48.0	43.0	3.5	832.0	0.38	91.13
48.0-49.0	42.1	3.5	835.5	0.38	91.51
49.0-50.0	41.5	3.5	838.9	0.38	91.88
50.0-51.0	39.9	3.4	842.3	0.37	92.25
51.0-52.0	36.5	3.1	845.4	0.34	92.60
52.0-53.0	32.4	2.8	848.2	0.31	92.91
53.0-54.0	29.0	2.6	850.8	0.28	93.19
54.0-55.0	26.5	2.4	853.2	0.26	93.44
55.0-56.0	23.7	2.1	855.3	0.23	93.68
56.0-57.0	21.2	1.9	857.2	0.21	93.89
57.0-58.0	19.9	1.8	859.1	0.20	94.09
58.0-59.0	18.7	1.7	860.8	0.19	94.29
59.0-60.0	17.8	1.7	862.5	0.18	94.47
60.0-61.0	16.8	1.6	864.1	0.18	94.65
61.0-62.0	16.2	1.6	865.7	0.17	94.82
62.0-63.0	16.8	1.6	867.3	0.18	95.00
63.0-64.0	18.7	1.8	869.2	0.20	95.20
64.0-65.0	22.1	2.2	871.3	0.24	95.44
65.0-66.0	26.8	2.7	874.0	0.29	95.73
66.0-67.0	30.9	3.1	877.1	0.34	96.07
67.0-68.0	33.4	3.4	880.5	0.37	96.44
68.0-69.0	34.0	3.5	884.0	0.38	96.82
69.0-70.0	32.1	3.3	887.3	0.36	97.18
70.0-71.0	29.0	3.0	890.3	0.33	97.51
71.0-72.0	25.9	2.7	893.0	0.29	97.80

C Plane (°):0.0-180.0: 180.0
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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	5258.3	5258.3								
G1.0	5641.1	4809.5								
G2.0	5934.0	4309.6								
G3.0	6119.8	3792.3								
G4.0	6189.6	3273.7								
G5.0	6137.2	2772.5								
G6.0	5962.7	2305.0								
G7.0	5677.2	1876.2								
G8.0	5297.0	1509.7								
G9.0	4839.5	1198.0								
G10.0	4328.4	941.2								
G11.0	3772.3	739.3								
G12.0	3218.8	579.7								
G13.0	2677.8	461.3								
G14.0	2172.9	374.0								
G15.0	1726.6	309.2								
G16.0	1345.1	260.5								
G17.0	1031.0	229.4								
G18.0	791.6	202.0								
G19.0	617.1	183.3								
G20.0	489.9	167.1								
G21.0	400.2	154.6								
G22.0	335.4	144.6								
G23.0	286.7	134.6								
G24.0	249.3	127.2								
G25.0	221.9	115.9								
G26.0	198.2	109.7								
G27.0	179.5	104.7								
G28.0	163.3	98.5								
G29.0	150.8	94.7								
G30.0	139.6	88.5								
G31.0	128.4	83.5								
G32.0	119.7	79.8								
G33.0	110.9	74.8								
G34.0	104.7	71.1								
G35.0	97.2	69.8								
G36.0	94.7	64.8								

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	89.8	59.8								
G38.0	86.0	59.8								
G39.0	79.8	54.8								
G40.0	76.1	52.4								
G41.0	73.6	49.9								
G42.0	69.8	44.9								
G43.0	64.8	39.9								
G44.0	62.3	39.9								
G45.0	59.8	37.4								
G46.0	54.8	34.9								
G47.0	52.4	34.9								
G48.0	48.6	36.2								
G49.0	46.1	37.4								
G50.0	43.6	38.7								
G51.0	38.7	38.7								
G52.0	32.4	36.2								
G53.0	27.4	33.7								
G54.0	24.9	29.9								
G55.0	22.4	28.7								
G56.0	20.0	23.7								
G57.0	18.7	22.4								
G58.0	18.7	20.0								
G59.0	16.2	20.0								
G60.0	16.2	18.7								
G61.0	13.7	18.7								
G62.0	13.7	18.7								
G63.0	16.2	18.7								
G64.0	20.0	20.0								
G65.0	26.2	22.4								
G66.0	29.9	28.7								
G67.0	31.2	33.7								
G68.0	29.9	38.7								
G69.0	27.4	39.9								
G70.0	24.9	36.2								
G71.0	20.0	34.9								
G72.0	18.7	29.9								
G73.0	16.2	26.2								

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:

Unit: cd

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