

Report No.:55.03521 Mine Recessed

Test Time: 2024-09-30 20:02

Luminaire Property

Luminaire Category:

Luminaire Description: Bridgelux 5050 4000K CRI90 Voltage: 230.3 V

Current: 0.068 A

Power: 13.20 W

Power Factor: 0.836

Photometric Results

CIE Class: Direct

Measurement Flux: 886.4 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H37.2

Vertical Diffuse Angle(50%): V37.2

Luminaire Efficacy Rating (LER): 67

Max. Intensity: 1606.34 cd

Total Rated Lamp Lumens: 886.4 lm

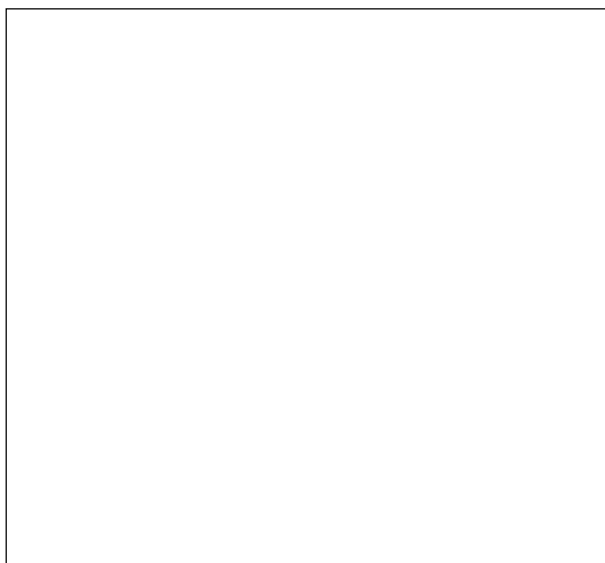
Efficiency: 100%

Upward Ratio: 0%

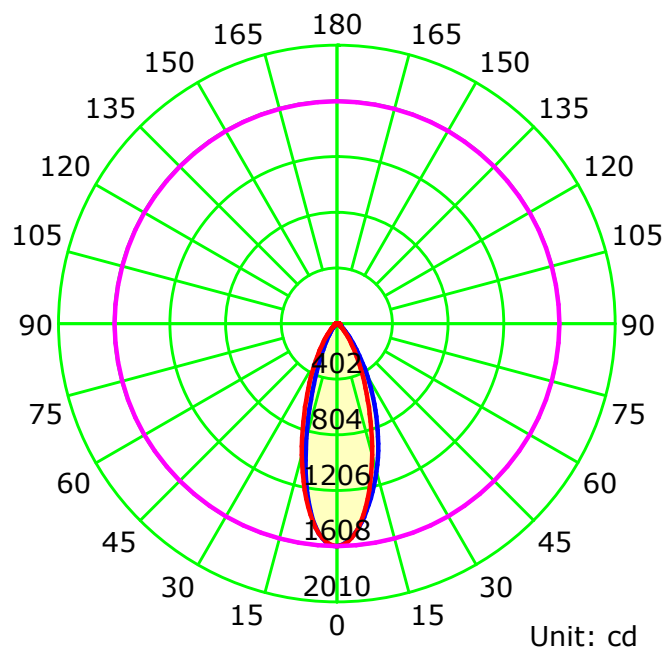
Central Intensity: 1606.34 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G0

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

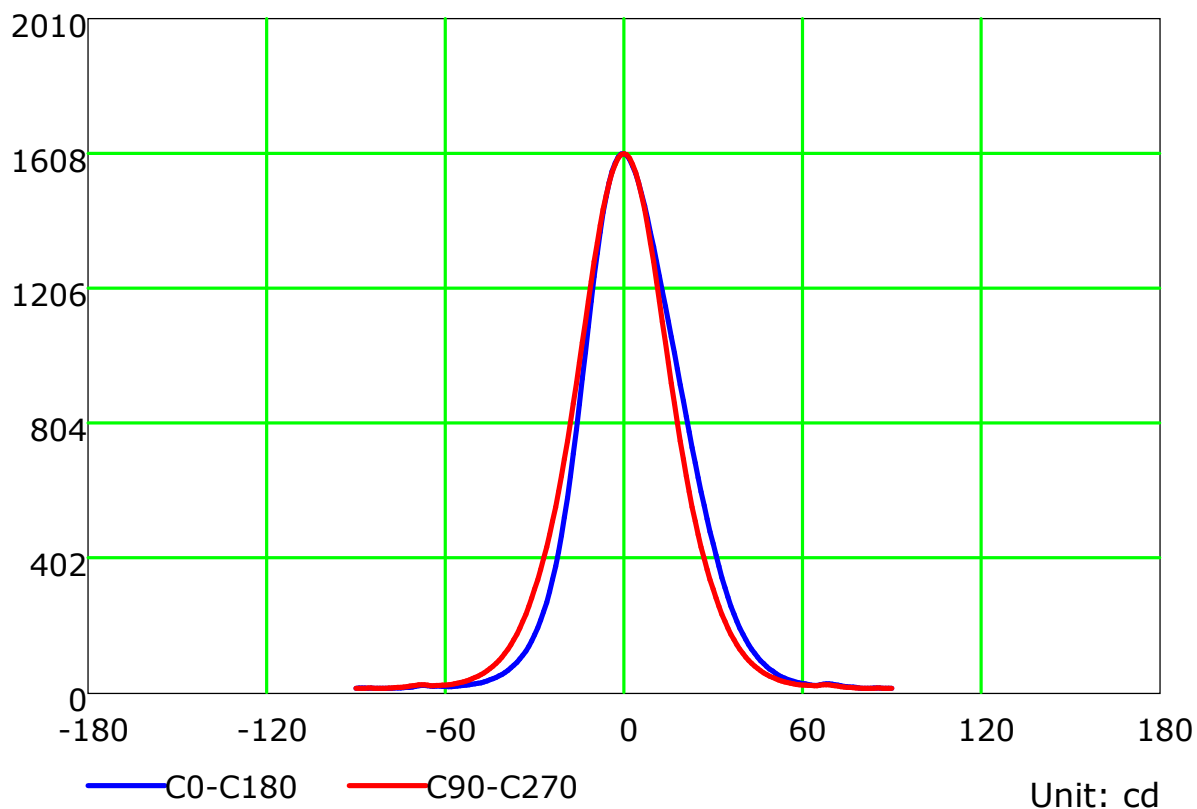
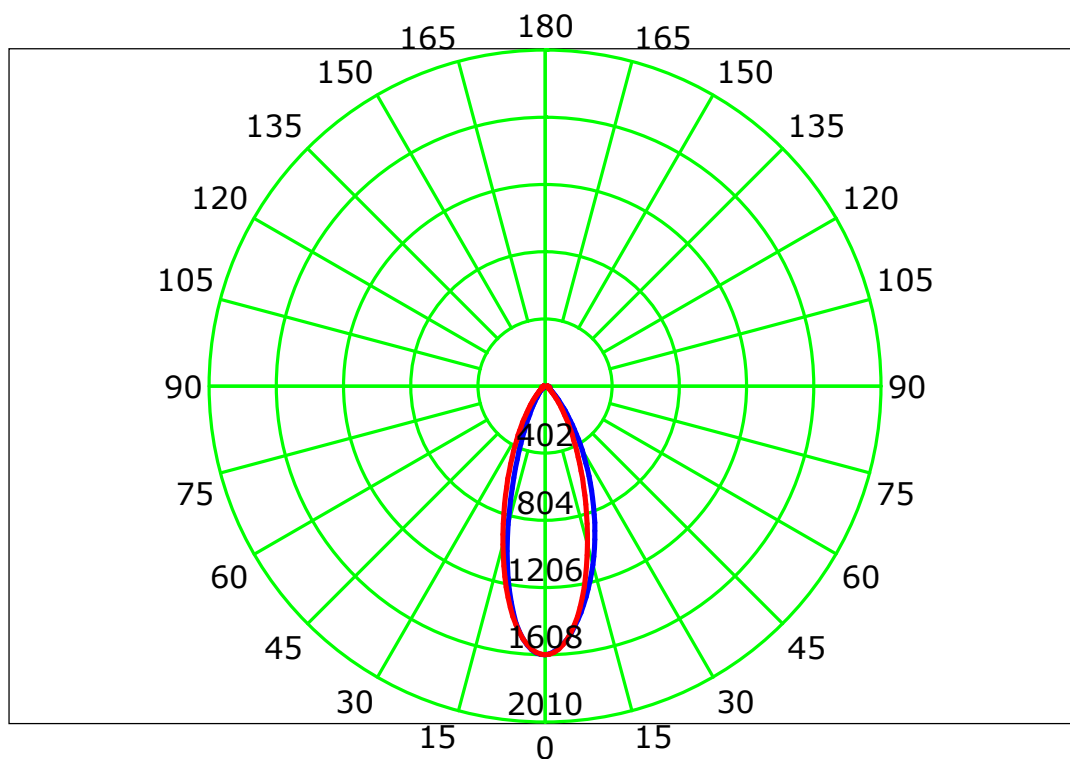
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

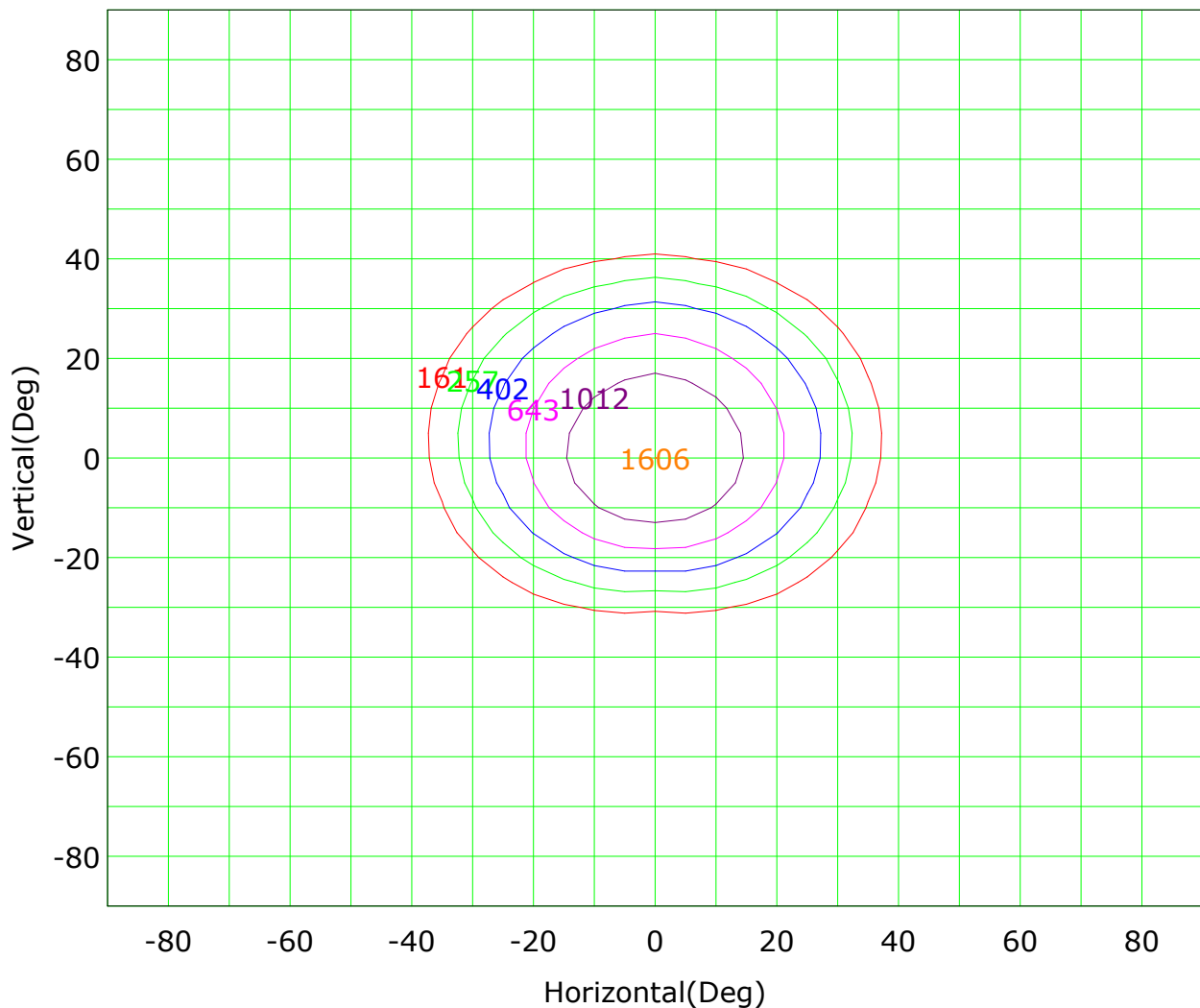
Luminous Intensity Distribution Curve



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%): 1606 cd

(10%): 161 cd	(16%): 257 cd
(25%): 402 cd	(40%): 643 cd
(63%): 1012 cd	(100%): 1606 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

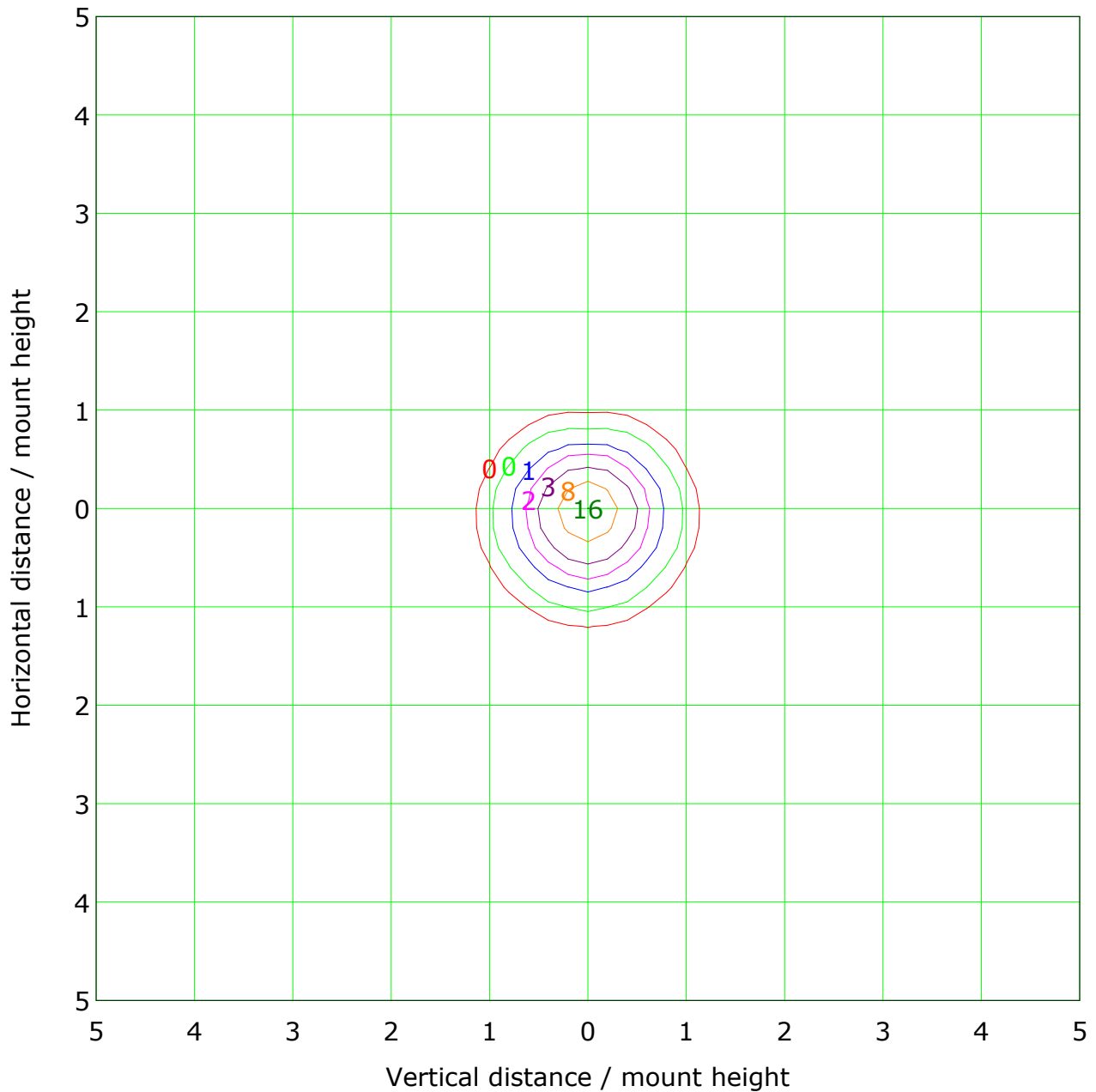
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

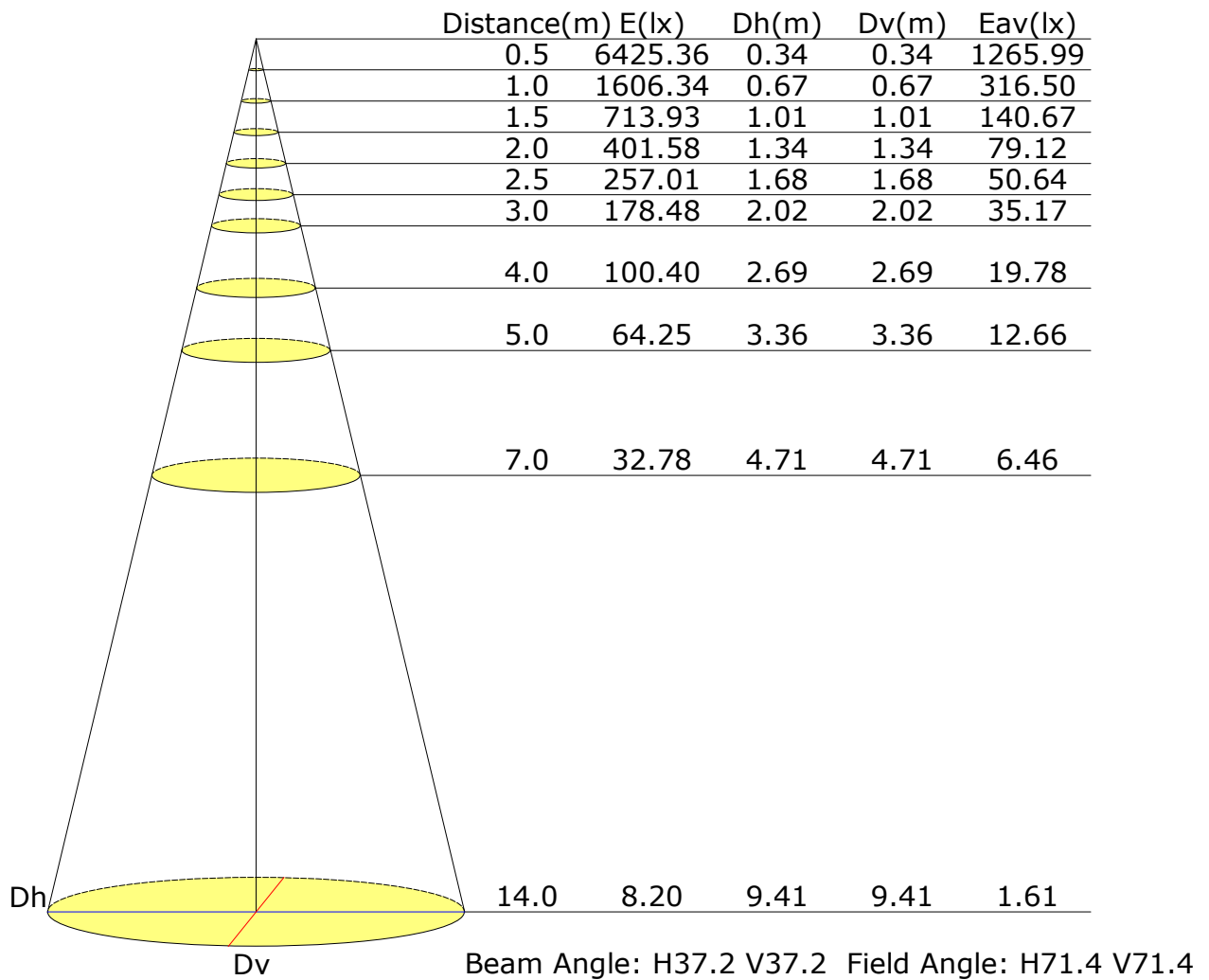


Mounting Height: 10m		Max Lux(100%): 16 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	3 lx	(50%):	8 lx
(100%):	16 lx		

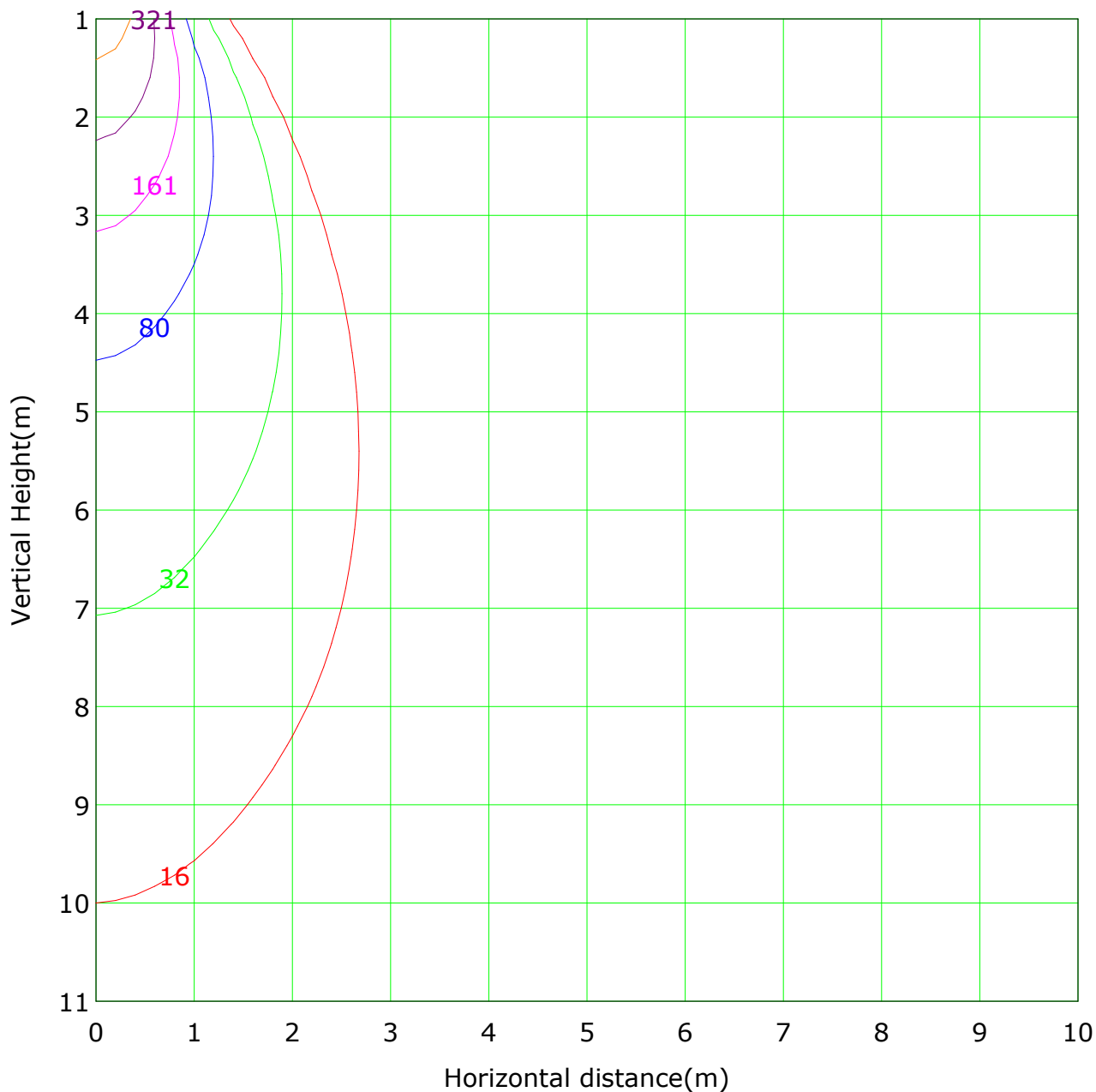
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



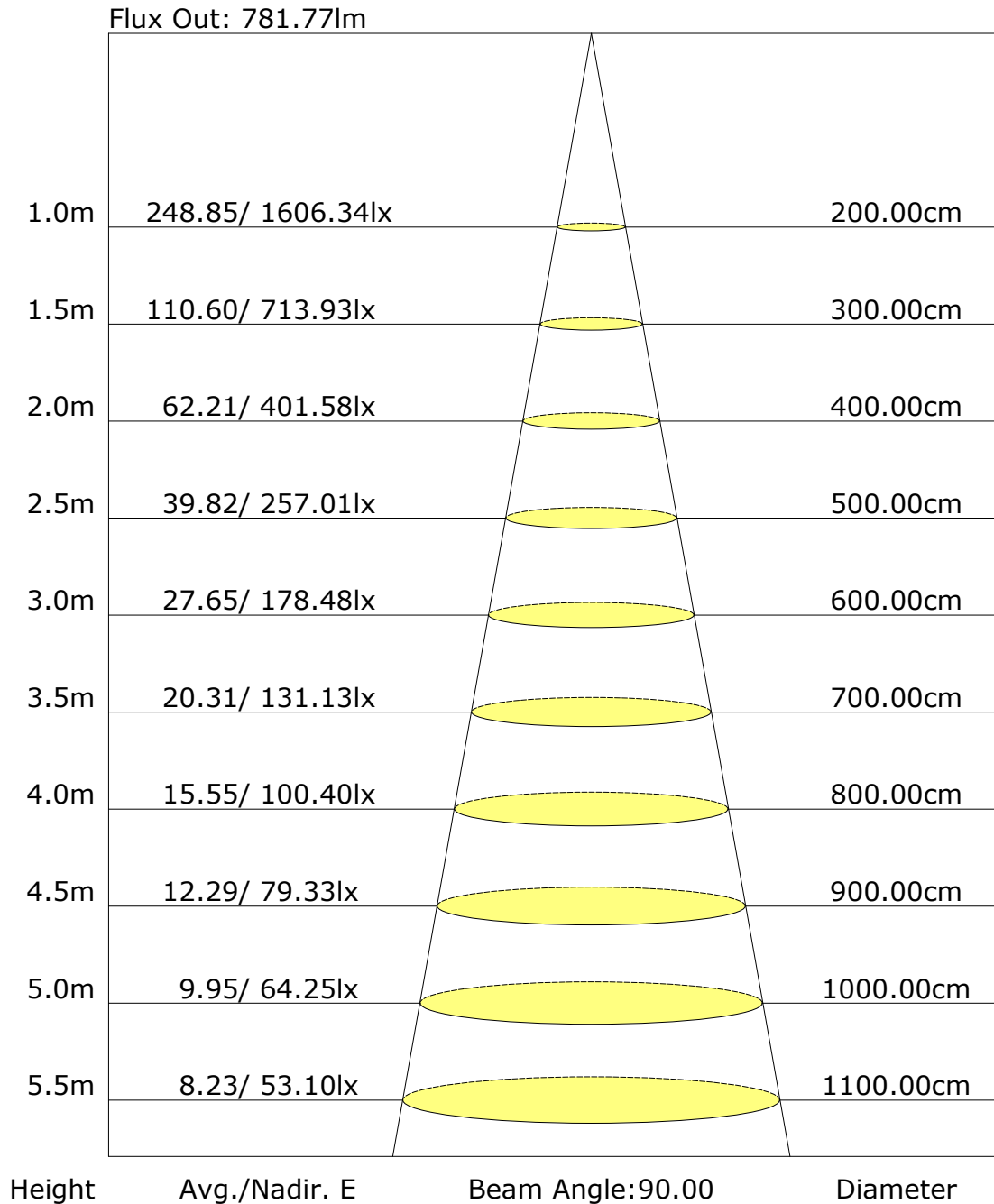
Lowest(m): 1m Highest(m): 11 Max Lux: 1606

(1%): 16 lx	(2%): 32 lx
(5%): 80 lx	(10%): 161 lx
(20%): 321 lx	(50%): 803 lx
(100%): 1606 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



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1604.7	1.5	1.5	0.17	0.17
1.0-2.0	1597.6	4.6	6.1	0.52	0.69
2.0-3.0	1583.2	7.6	13.7	0.85	1.55
3.0-4.0	1562.0	10.5	24.2	1.18	2.72
4.0-5.0	1534.5	13.2	37.4	1.49	4.21
5.0-6.0	1501.0	15.8	53.1	1.78	5.99
6.0-7.0	1461.3	18.1	71.3	2.05	8.04
7.0-8.0	1416.0	20.3	91.5	2.29	10.33
8.0-9.0	1365.8	22.1	113.7	2.50	12.83
9.0-10.0	1311.8	23.7	137.4	2.68	15.50
10.0-11.0	1254.6	25.1	162.5	2.83	18.33
11.0-12.0	1195.5	26.1	188.6	2.95	21.28
12.0-13.0	1135.2	26.9	215.6	3.04	24.32
13.0-14.0	1074.0	27.5	243.1	3.10	27.42
14.0-15.0	1013.0	27.8	270.9	3.14	30.56
15.0-16.0	952.4	27.9	298.8	3.15	33.71
16.0-17.0	892.2	27.8	326.6	3.13	36.84
17.0-18.0	833.3	27.5	354.1	3.10	39.94
18.0-19.0	776.7	27.0	381.1	3.05	42.99
19.0-20.0	722.3	26.4	407.5	2.98	45.98
20.0-21.0	670.5	25.7	433.3	2.91	48.88
21.0-22.0	621.7	25.0	458.3	2.82	51.70
22.0-23.0	575.6	24.2	482.4	2.73	54.43
23.0-24.0	531.9	23.3	505.7	2.62	57.05
24.0-25.0	490.8	22.3	528.0	2.52	59.57
25.0-26.0	452.2	21.4	549.3	2.41	61.98
26.0-27.0	416.3	20.4	569.7	2.30	64.27
27.0-28.0	382.7	19.4	589.1	2.19	66.46
28.0-29.0	351.4	18.4	607.5	2.07	68.53
29.0-30.0	322.3	17.4	624.9	1.96	70.50
30.0-31.0	295.0	16.4	641.3	1.85	72.35
31.0-32.0	269.3	15.4	656.7	1.74	74.09
32.0-33.0	245.3	14.5	671.2	1.63	75.72
33.0-34.0	222.7	13.5	684.7	1.52	77.24
34.0-35.0	202.1	12.6	697.2	1.42	78.66
35.0-36.0	183.3	11.7	708.9	1.32	79.98

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	166.2	10.8	719.7	1.22	81.20
37.0-38.0	150.5	10.0	729.8	1.13	82.33
38.0-39.0	136.1	9.3	739.1	1.05	83.38
39.0-40.0	123.0	8.6	747.7	0.97	84.35
40.0-41.0	111.4	7.9	755.6	0.89	85.24
41.0-42.0	100.9	7.3	762.9	0.83	86.07
42.0-43.0	91.6	6.8	769.7	0.77	86.84
43.0-44.0	83.1	6.3	776.0	0.71	87.55
44.0-45.0	75.4	5.8	781.8	0.65	88.20
45.0-46.0	68.4	5.3	787.1	0.60	88.80
46.0-47.0	62.0	4.9	792.1	0.56	89.36
47.0-48.0	56.4	4.6	796.6	0.51	89.87
48.0-49.0	51.4	4.2	800.8	0.48	90.35
49.0-50.0	47.1	3.9	804.8	0.44	90.79
50.0-51.0	43.2	3.7	808.4	0.41	91.20
51.0-52.0	39.7	3.4	811.8	0.38	91.59
52.0-53.0	36.4	3.2	815.0	0.36	91.95
53.0-54.0	33.5	3.0	817.9	0.33	92.28
54.0-55.0	30.9	2.8	820.7	0.31	92.59
55.0-56.0	28.7	2.6	823.3	0.29	92.88
56.0-57.0	26.9	2.5	825.8	0.28	93.16
57.0-58.0	25.3	2.3	828.1	0.26	93.43
58.0-59.0	23.9	2.2	830.3	0.25	93.68
59.0-60.0	23.1	2.2	832.5	0.25	93.93
60.0-61.0	22.5	2.2	834.7	0.24	94.17
61.0-62.0	22.1	2.1	836.8	0.24	94.41
62.0-63.0	21.5	2.1	838.9	0.24	94.64
63.0-64.0	20.8	2.0	840.9	0.23	94.87
64.0-65.0	20.6	2.0	843.0	0.23	95.10
65.0-66.0	21.4	2.1	845.1	0.24	95.35
66.0-67.0	22.7	2.3	847.4	0.26	95.60
67.0-68.0	23.5	2.4	849.8	0.27	95.87
68.0-69.0	23.4	2.4	852.2	0.27	96.14
69.0-70.0	22.4	2.3	854.5	0.26	96.40
70.0-71.0	21.1	2.2	856.6	0.25	96.65
71.0-72.0	19.9	2.1	858.7	0.23	96.88

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	1606.3	1606.3								
G1.0	1601.3	1604.8								
G2.0	1588.5	1595.8								
G3.0	1569.8	1578.7								
G4.0	1546.6	1553.0								
G5.0	1518.7	1519.9								
G6.0	1486.2	1479.1								
G7.0	1450.0	1430.1								
G8.0	1411.9	1371.8								
G9.0	1370.6	1308.8								
G10.0	1327.9	1240.0								
G11.0	1284.2	1166.4								
G12.0	1241.0	1090.4								
G13.0	1196.3	1013.3								
G14.0	1151.1	935.5								
G15.0	1106.2	859.2								
G16.0	1060.2	784.1								
G17.0	1012.3	712.1								
G18.0	965.0	644.0								
G19.0	916.8	580.9								
G20.0	869.7	521.8								
G21.0	822.6	467.9								
G22.0	776.7	419.6								
G23.0	729.9	376.2								
G24.0	684.5	337.1								
G25.0	640.8	300.8								
G26.0	598.6	268.6								
G27.0	557.2	240.6								
G28.0	517.2	215.6								
G29.0	479.6	193.1								
G30.0	444.2	172.6								
G31.0	409.3	154.1								
G32.0	375.9	138.1								
G33.0	343.1	123.9								
G34.0	312.5	111.2								
G35.0	284.4	100.2								
G36.0	258.4	90.4								

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	234.4	81.6								
G38.0	212.5	73.6								
G39.0	192.1	66.3								
G40.0	173.8	60.0								
G41.0	157.4	54.3								
G42.0	142.4	49.7								
G43.0	129.0	45.4								
G44.0	116.4	41.6								
G45.0	105.2	38.2								
G46.0	95.0	35.1								
G47.0	86.0	31.9								
G48.0	78.0	29.5								
G49.0	70.4	27.7								
G50.0	63.9	26.3								
G51.0	57.8	24.8								
G52.0	52.3	23.7								
G53.0	47.4	22.4								
G54.0	43.1	21.4								
G55.0	39.2	20.1								
G56.0	36.3	19.2								
G57.0	33.8	18.5								
G58.0	31.4	17.6								
G59.0	29.2	17.5								
G60.0	27.4	18.1								
G61.0	25.8	18.8								
G62.0	24.2	19.5								
G63.0	22.8	19.5								
G64.0	21.9	18.9								
G65.0	21.9	19.9								
G66.0	23.5	20.6								
G67.0	25.2	21.4								
G68.0	26.2	21.4								
G69.0	25.8	20.1								
G70.0	25.2	18.5								
G71.0	23.8	17.0								
G72.0	22.6	16.0								
G73.0	20.9	15.3								

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: