

Report No.:52.05523 Intero Recessed

Test Time: 2024-09-30 19:33

## Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.076 A

Power Factor: 0.555

Voltage: 231.1 V

Power: 9.90 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 1084.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H46.4

Vertical Diffuse Angle(50%): V46.4

Luminaire Efficacy Rating (LER): 110

Max. Intensity: 1885.06 cd

Total Rated Lamp Lumens: 1084.8 lm

Efficiency: 100%

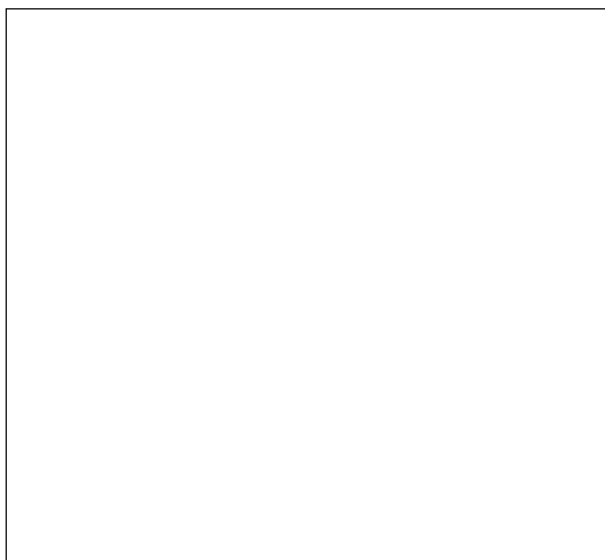
Upward Ratio: 0%

Central Intensity: 1864.32 cd

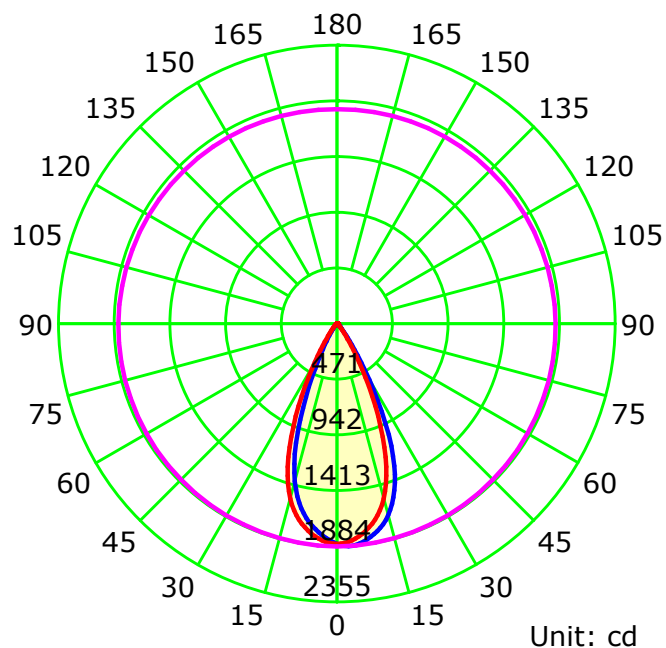
Pos of Max. Intensity: H0 V3

D(m)

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G3

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

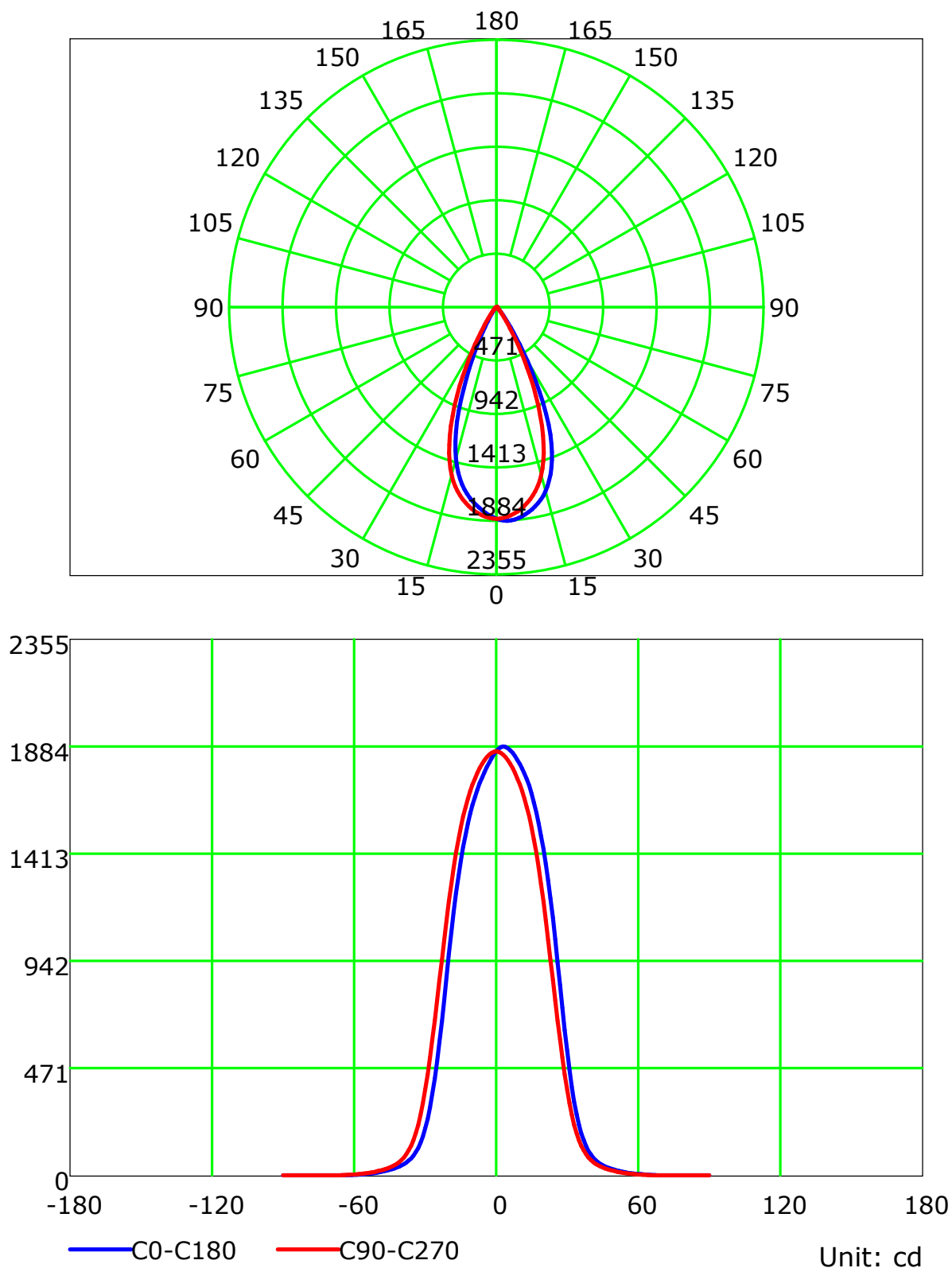
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

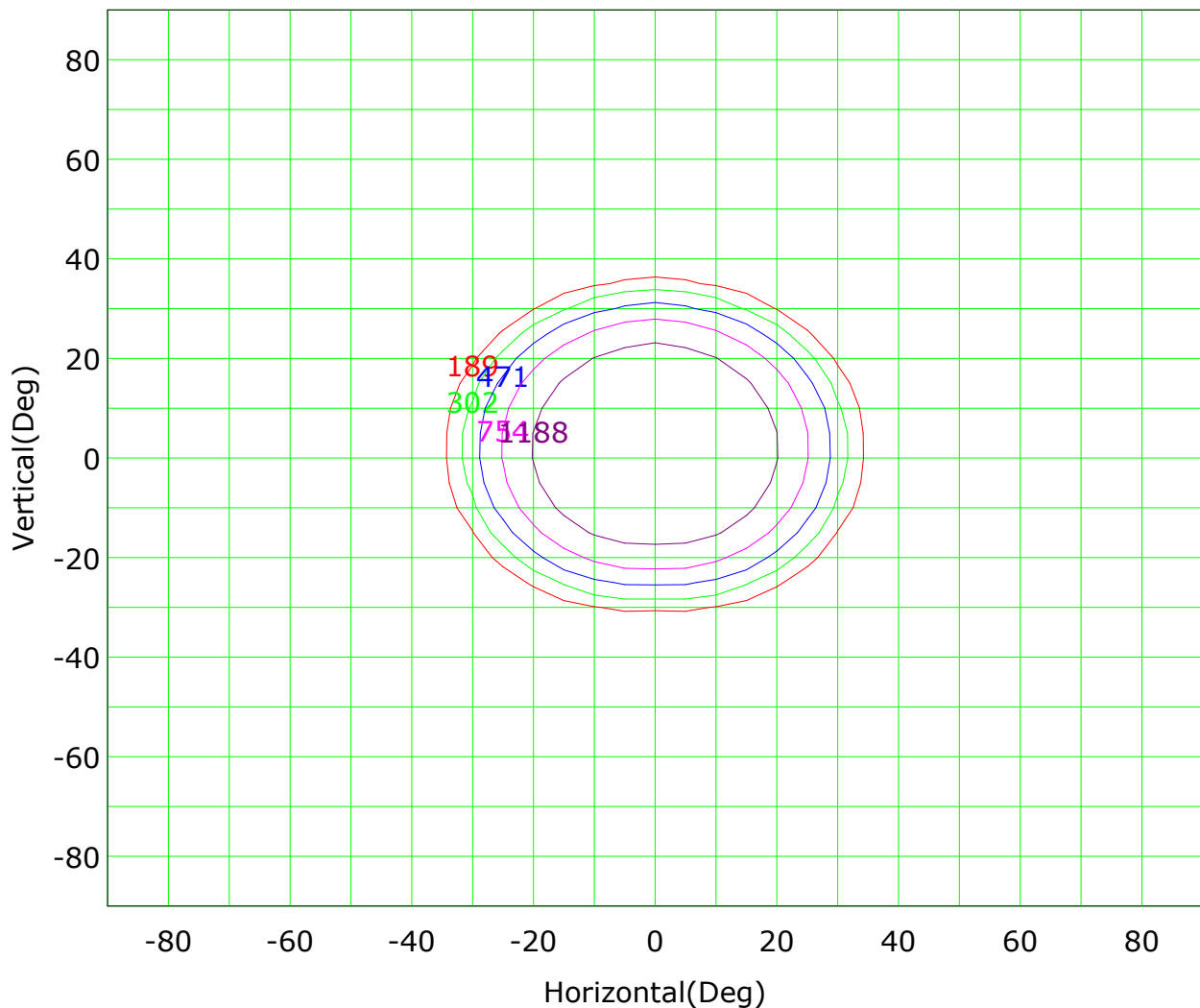
## Luminous Intensity Distribution Curve



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%): 1885 cd

( 10%): 189 cd	( 16%): 302 cd
( 25%): 471 cd	( 40%): 754 cd
( 63%): 1188 cd	(100%): 1885 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

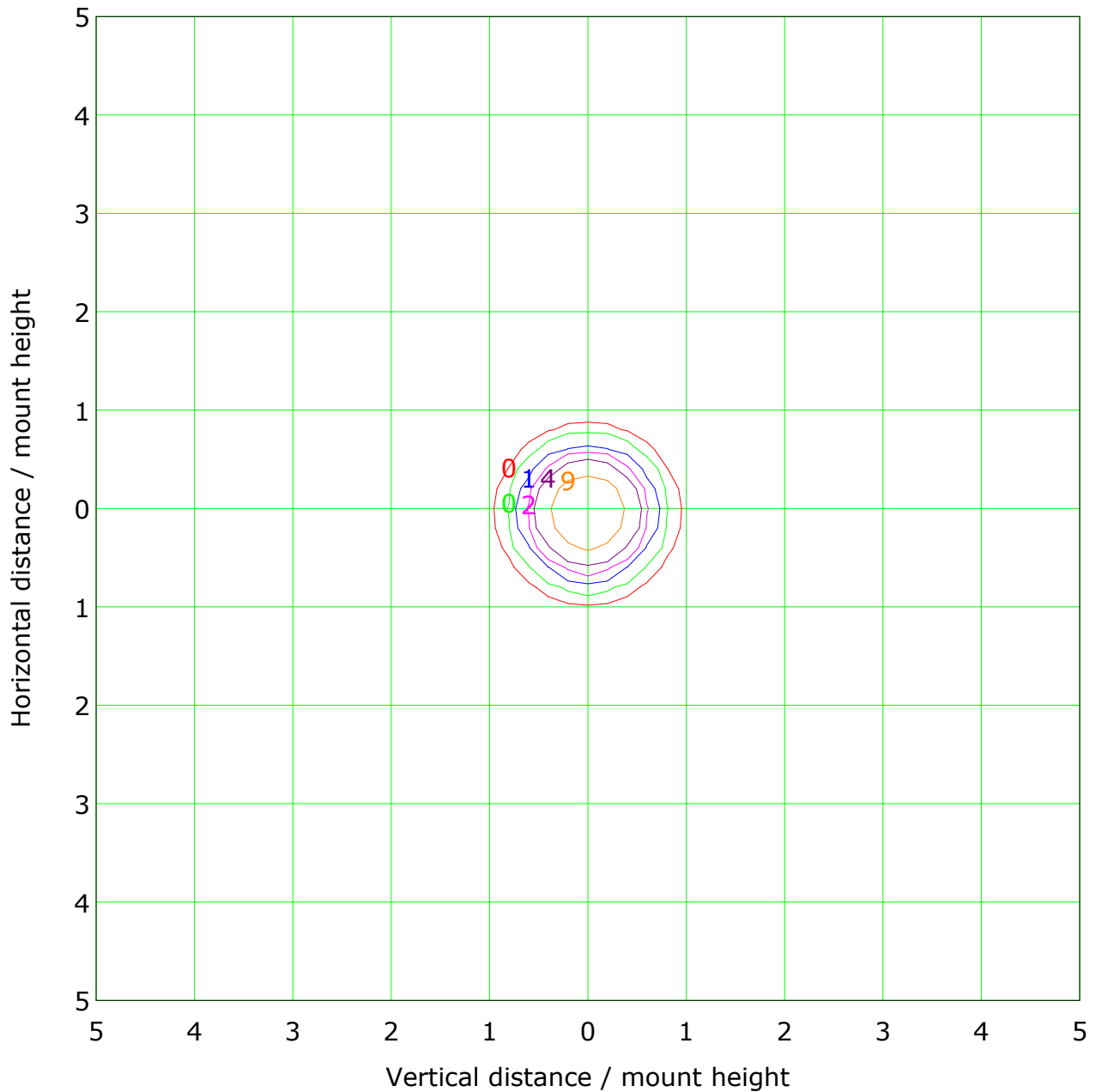
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 19 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	4 lx	— ( 50%):	9 lx
— (100%):	19 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

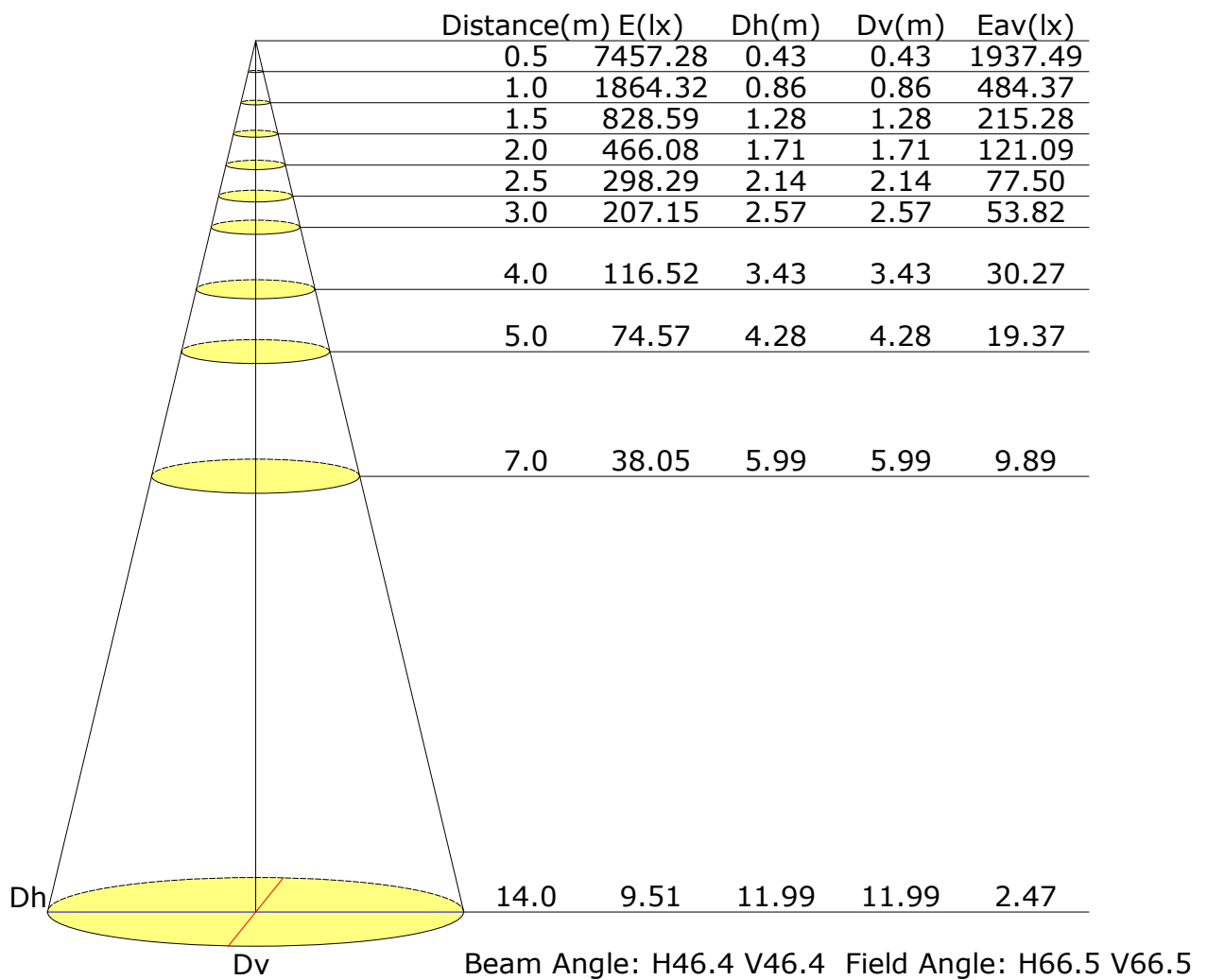
Test Device: CHL-6E

Distance: 3.328 m

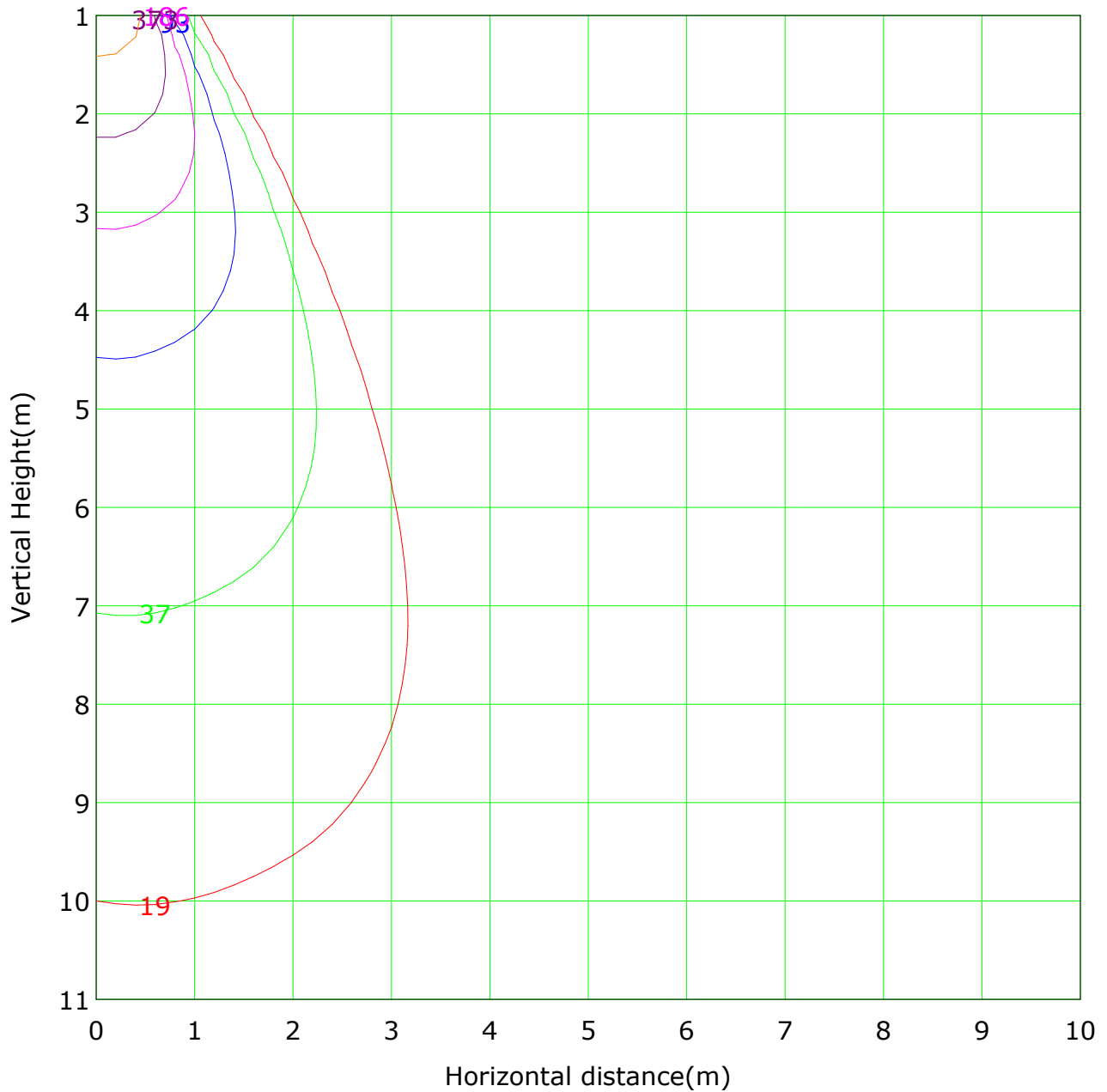
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 1864

( 1%): 19 lx	( 2%): 37 lx
( 5%): 93 lx	( 10%): 186 lx
( 20%): 373 lx	( 50%): 932 lx
(100%): 1864 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

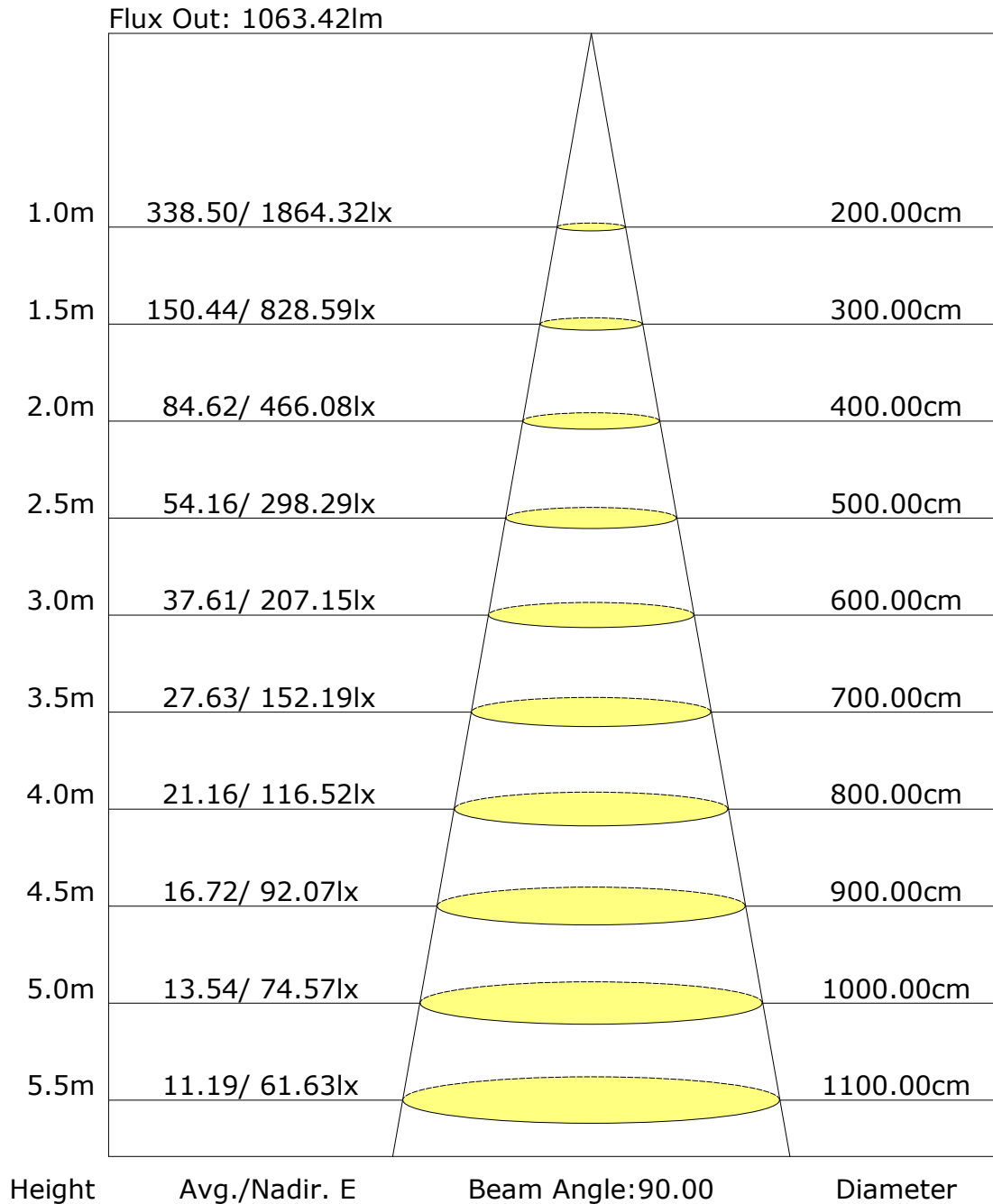
Test Device: CHL-6E

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1863.4	1.8	1.8	0.16	0.16
1.0-2.0	1860.2	5.3	7.1	0.49	0.66
2.0-3.0	1854.0	8.9	16.0	0.82	1.47
3.0-4.0	1844.7	12.3	28.3	1.14	2.61
4.0-5.0	1832.3	15.8	44.1	1.45	4.07
5.0-6.0	1817.4	19.1	63.2	1.76	5.83
6.0-7.0	1800.1	22.3	85.6	2.06	7.89
7.0-8.0	1780.0	25.5	111.0	2.35	10.24
8.0-9.0	1757.1	28.5	139.5	2.63	12.86
9.0-10.0	1732.0	31.3	170.9	2.89	15.75
10.0-11.0	1704.1	34.1	204.9	3.14	18.89
11.0-12.0	1672.9	36.6	241.5	3.37	22.26
12.0-13.0	1638.1	38.9	280.4	3.58	25.85
13.0-14.0	1598.9	40.9	321.3	3.77	29.62
14.0-15.0	1554.0	42.7	364.0	3.93	33.55
15.0-16.0	1503.5	44.1	408.0	4.06	37.61
16.0-17.0	1447.1	45.1	453.1	4.15	41.77
17.0-18.0	1384.8	45.7	498.8	4.21	45.98
18.0-19.0	1316.8	45.8	544.6	4.22	50.20
19.0-20.0	1242.4	45.5	590.1	4.19	54.39
20.0-21.0	1162.1	44.6	634.7	4.11	58.51
21.0-22.0	1077.6	43.3	678.0	3.99	62.50
22.0-23.0	991.0	41.6	719.6	3.83	66.33
23.0-24.0	903.4	39.5	759.1	3.64	69.97
24.0-25.0	814.4	37.0	796.1	3.41	73.39
25.0-26.0	725.6	34.3	830.4	3.16	76.55
26.0-27.0	639.7	31.3	861.7	2.89	79.43
27.0-28.0	557.8	28.2	889.9	2.60	82.04
28.0-29.0	480.6	25.1	915.1	2.32	84.35
29.0-30.0	410.2	22.1	937.2	2.04	86.40
30.0-31.0	347.4	19.3	956.6	1.78	88.18
31.0-32.0	292.1	16.7	973.3	1.54	89.72
32.0-33.0	244.4	14.4	987.7	1.33	91.05
33.0-34.0	204.0	12.3	1000.0	1.14	92.19
34.0-35.0	170.5	10.6	1010.6	0.98	93.16
35.0-36.0	142.9	9.1	1019.7	0.84	94.00

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:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	120.0	7.8	1027.6	0.72	94.72
37.0-38.0	101.3	6.8	1034.3	0.62	95.35
38.0-39.0	86.0	5.9	1040.2	0.54	95.89
39.0-40.0	73.4	5.1	1045.3	0.47	96.36
40.0-41.0	63.3	4.5	1049.8	0.42	96.77
41.0-42.0	54.9	4.0	1053.8	0.37	97.14
42.0-43.0	48.0	3.6	1057.4	0.33	97.47
43.0-44.0	42.2	3.2	1060.6	0.29	97.76
44.0-45.0	37.2	2.9	1063.4	0.26	98.03
45.0-46.0	32.9	2.6	1066.0	0.24	98.27
46.0-47.0	29.3	2.3	1068.3	0.21	98.48
47.0-48.0	26.0	2.1	1070.4	0.19	98.67
48.0-49.0	23.2	1.9	1072.3	0.18	98.85
49.0-50.0	20.5	1.7	1074.0	0.16	99.01
50.0-51.0	17.9	1.5	1075.6	0.14	99.15
51.0-52.0	15.6	1.3	1076.9	0.12	99.27
52.0-53.0	13.6	1.2	1078.1	0.11	99.38
53.0-54.0	11.9	1.0	1079.1	0.10	99.47
54.0-55.0	10.2	0.9	1080.0	0.08	99.56
55.0-56.0	8.7	0.8	1080.8	0.07	99.63
56.0-57.0	7.5	0.7	1081.5	0.06	99.70
57.0-58.0	6.7	0.6	1082.1	0.06	99.75
58.0-59.0	5.8	0.5	1082.7	0.05	99.80
59.0-60.0	4.8	0.5	1083.1	0.04	99.84
60.0-61.0	4.1	0.4	1083.5	0.04	99.88
61.0-62.0	3.4	0.3	1083.8	0.03	99.91
62.0-63.0	2.7	0.3	1084.1	0.02	99.93
63.0-64.0	2.2	0.2	1084.3	0.02	99.95
64.0-65.0	1.6	0.2	1084.5	0.02	99.97
65.0-66.0	1.2	0.1	1084.6	0.01	99.98
66.0-67.0	0.9	0.1	1084.7	0.01	99.99
67.0-68.0	0.6	0.1	1084.8	0.01	99.99
68.0-69.0	0.4	0.0	1084.8	0.00	100.00
69.0-70.0	0.2	0.0	1084.8	0.00	100.00
70.0-71.0	0.1	0.0	1084.8	0.00	100.00
71.0-72.0	0.0	0.0	1084.8	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	1864.3	1864.3								
G1.0	1874.4	1850.5								
G2.0	1882.1	1833.7								
G3.0	1885.1	1815.4								
G4.0	1883.3	1794.9								
G5.0	1878.0	1773.1								
G6.0	1869.3	1749.4								
G7.0	1857.5	1724.3								
G8.0	1843.0	1695.3								
G9.0	1825.8	1664.2								
G10.0	1808.4	1629.4								
G11.0	1788.0	1590.7								
G12.0	1765.7	1547.3								
G13.0	1741.9	1497.6								
G14.0	1712.9	1443.1								
G15.0	1678.2	1382.0								
G16.0	1639.1	1314.8								
G17.0	1594.6	1239.9								
G18.0	1546.1	1158.7								
G19.0	1493.2	1069.0								
G20.0	1434.2	973.2								
G21.0	1368.3	872.9								
G22.0	1297.0	772.2								
G23.0	1218.4	676.5								
G24.0	1132.5	586.1								
G25.0	1038.0	501.2								
G26.0	937.8	425.6								
G27.0	836.8	358.7								
G28.0	736.8	298.8								
G29.0	638.7	248.2								
G30.0	547.7	206.1								
G31.0	464.7	170.9								
G32.0	389.5	143.4								
G33.0	323.9	120.8								
G34.0	269.1	102.1								
G35.0	223.6	87.3								
G36.0	185.7	75.0								

C Plane (°):0.0-180.0: 180.0  
Test Lab:  
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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	154.6	64.9								
G38.0	129.2	56.6								
G39.0	108.4	49.7								
G40.0	91.9	43.7								
G41.0	78.3	39.1								
G42.0	67.5	34.8								
G43.0	58.6	31.2								
G44.0	51.3	27.8								
G45.0	44.9	24.8								
G46.0	39.8	22.1								
G47.0	35.6	19.5								
G48.0	31.8	17.3								
G49.0	28.5	15.0								
G50.0	25.5	12.8								
G51.0	22.4	10.9								
G52.0	19.7	9.3								
G53.0	17.4	8.1								
G54.0	14.9	7.1								
G55.0	12.9	6.0								
G56.0	11.1	5.0								
G57.0	9.9	4.2								
G58.0	8.8	3.8								
G59.0	7.4	3.0								
G60.0	6.5	2.5								
G61.0	5.7	1.9								
G62.0	4.7	1.2								
G63.0	4.0	0.9								
G64.0	3.5	0.4								
G65.0	2.7	0.0								
G66.0	2.0	0.0								
G67.0	1.5	0.0								
G68.0	0.9	0.0								
G69.0	0.6	0.0								
G70.0	0.3	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:

Gamma Plane (°):0.0-90.0:1.0  
Test Device: CHL-6E  
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## Unit: cd

Gamma Plane (°):0.0-90.0:1.0  
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Distance: 3.328 m  
Humidity:  
Inspector: