

Report No.: 56.03520 Lanky Recessed  
Downlight

Test Time: 2024-09-30 14:41

## Luminaire Property

Luminaire Category:

Luminaire Description: LANKY 导轨灯线条长款 Voltage: 229.2 V

Current: 0.087 A

Power: 12.00 W

Power Factor: 0.603

## Photometric Results

CIE Class: Direct

Measurement Flux: 1025.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H46.3

Vertical Diffuse Angle(50%): V46.3

Luminaire Efficacy Rating (LER): 85

Max. Intensity: 1820.24 cd

Total Rated Lamp Lumens: 1025.1 lm

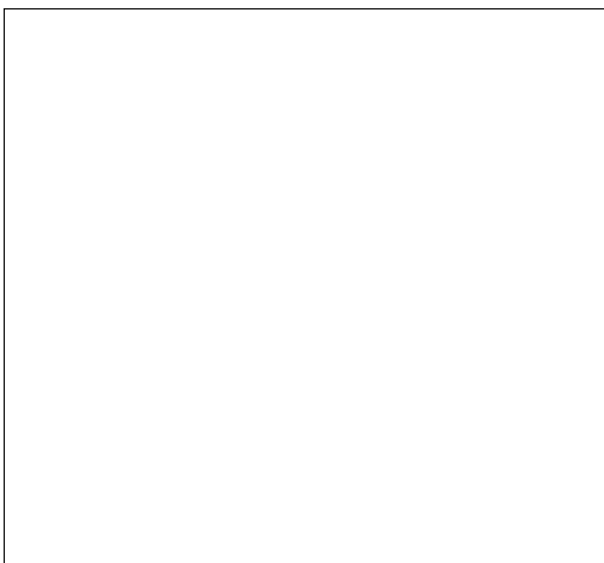
Efficiency: 100%

Upward Ratio: 0%

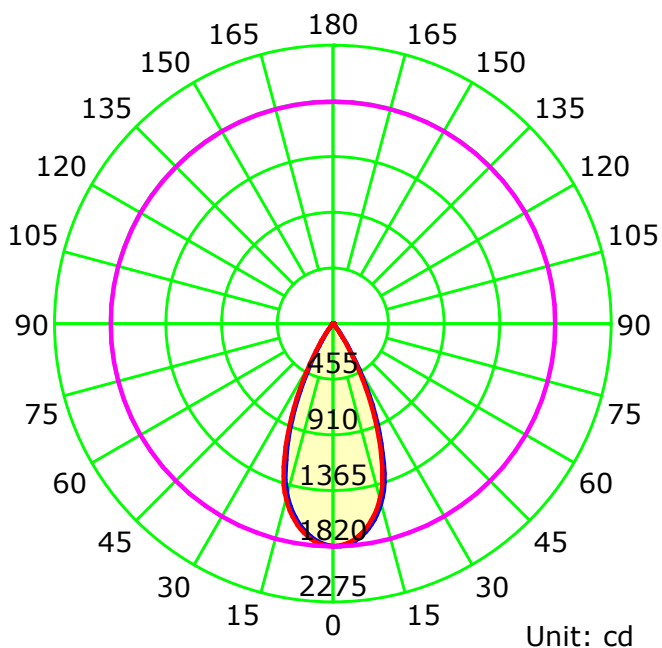
Central Intensity: 1818.38 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G1

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

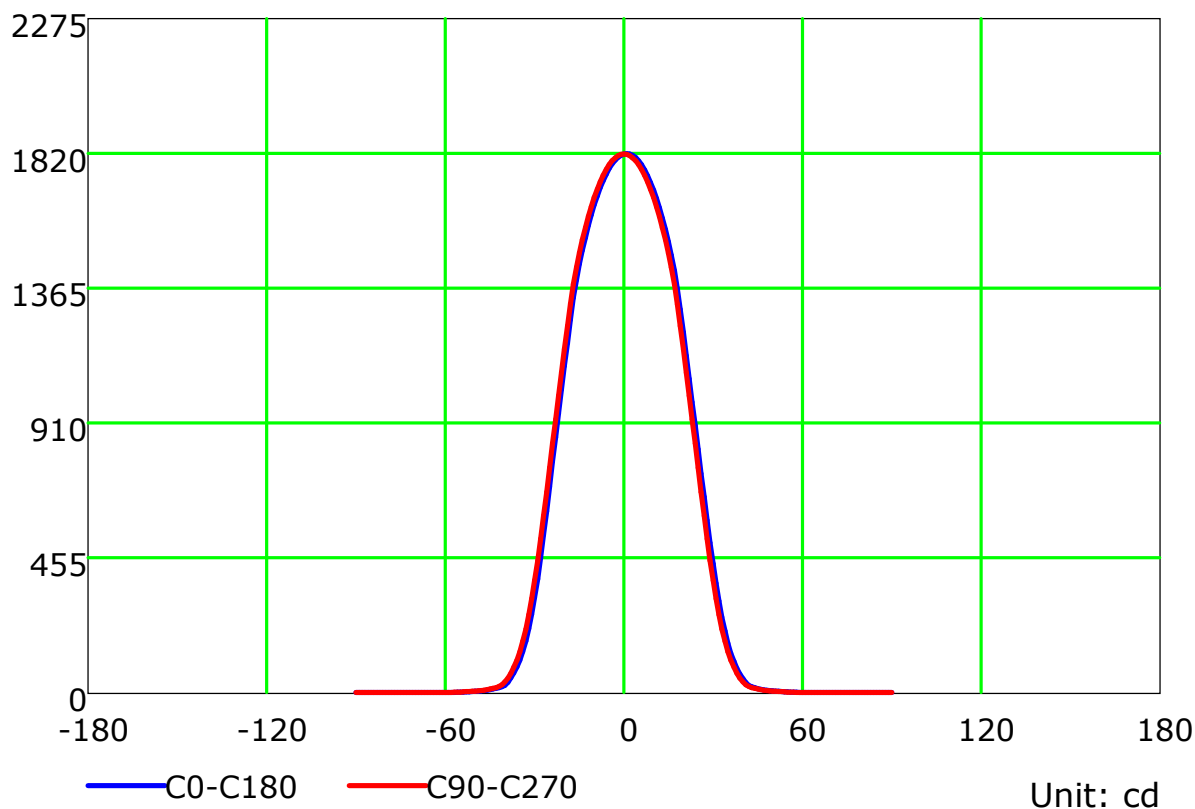
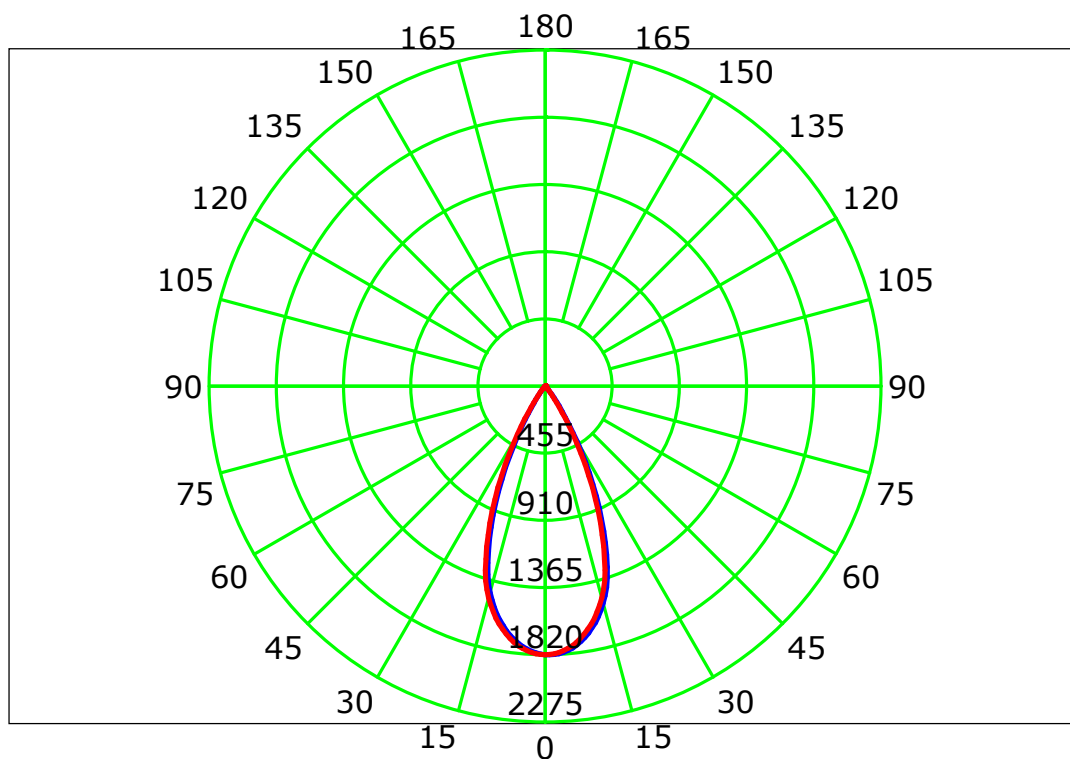
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

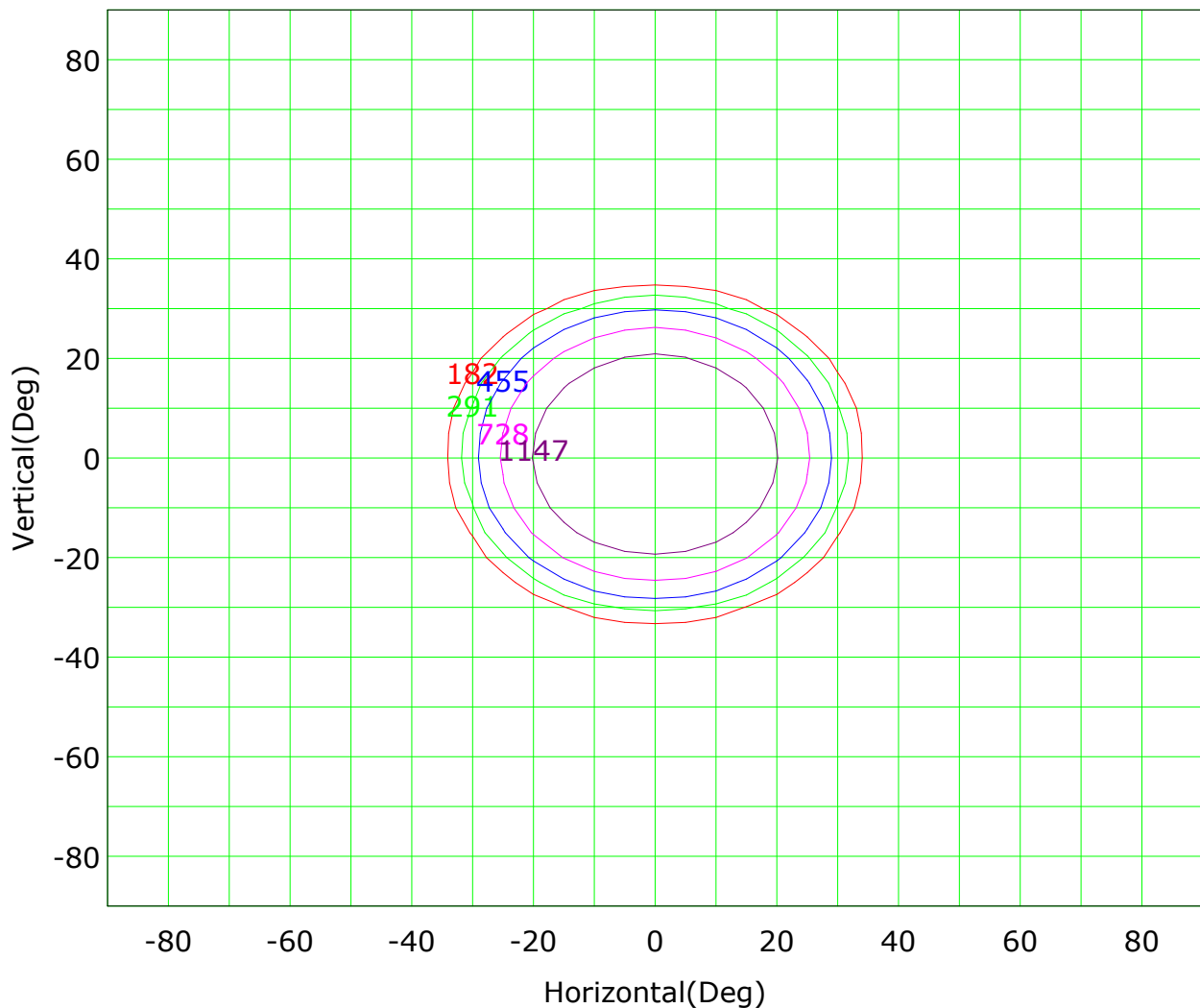
## Luminous Intensity Distribution Curve



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%): 1820 cd

( 10%): 182 cd	( 16%): 291 cd
( 25%): 455 cd	( 40%): 728 cd
( 63%): 1147 cd	(100%): 1820 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

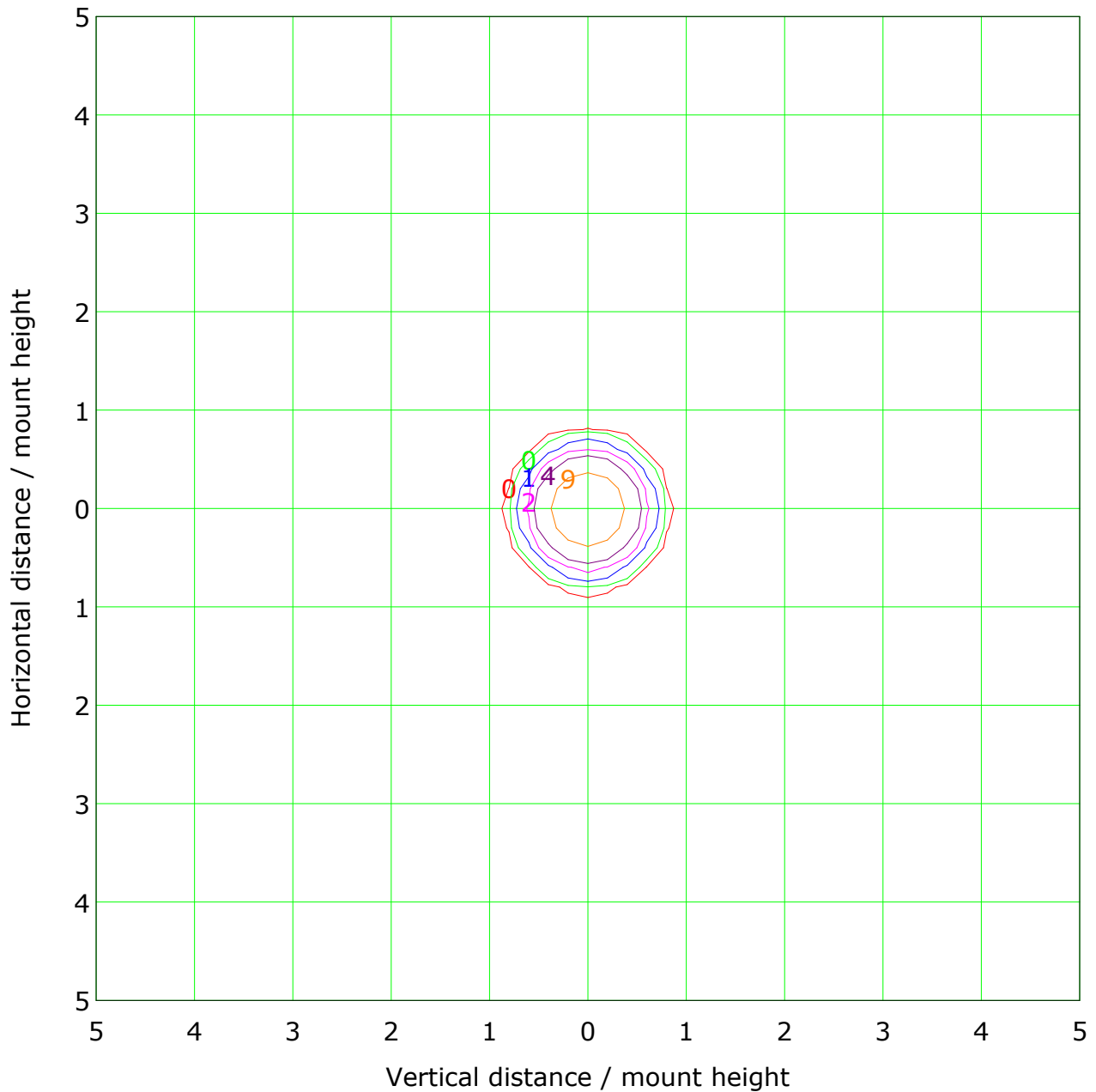
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10m    Max Lux(100%): 18 lx			
— ( 1%):	0 lx	— ( 2%):	0 lx
— ( 5%):	1 lx	— ( 10%):	2 lx
— ( 20%):	4 lx	— ( 50%):	9 lx
— (100%):	18 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

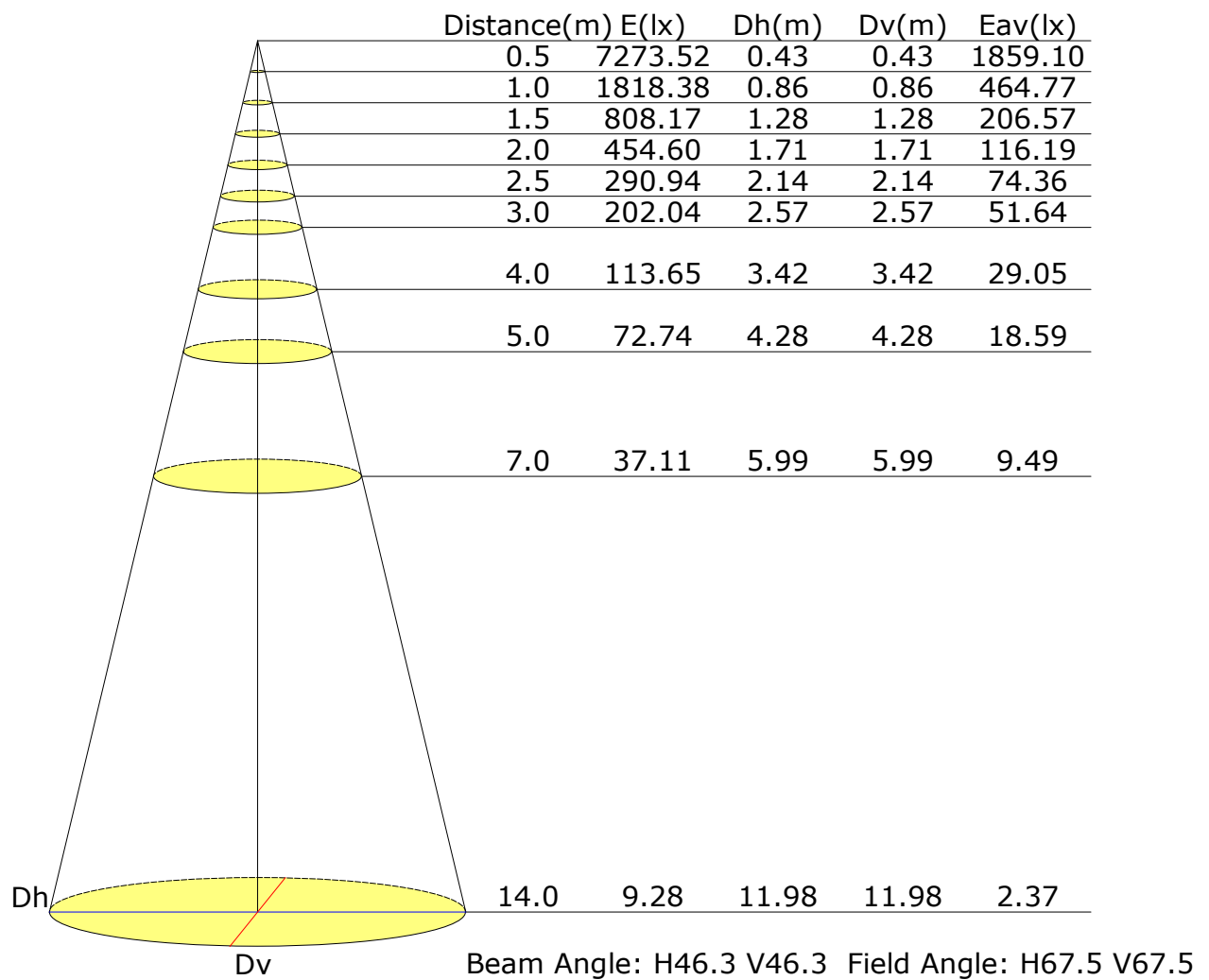
Test Device: CHL-6E

Distance: 3.328 m

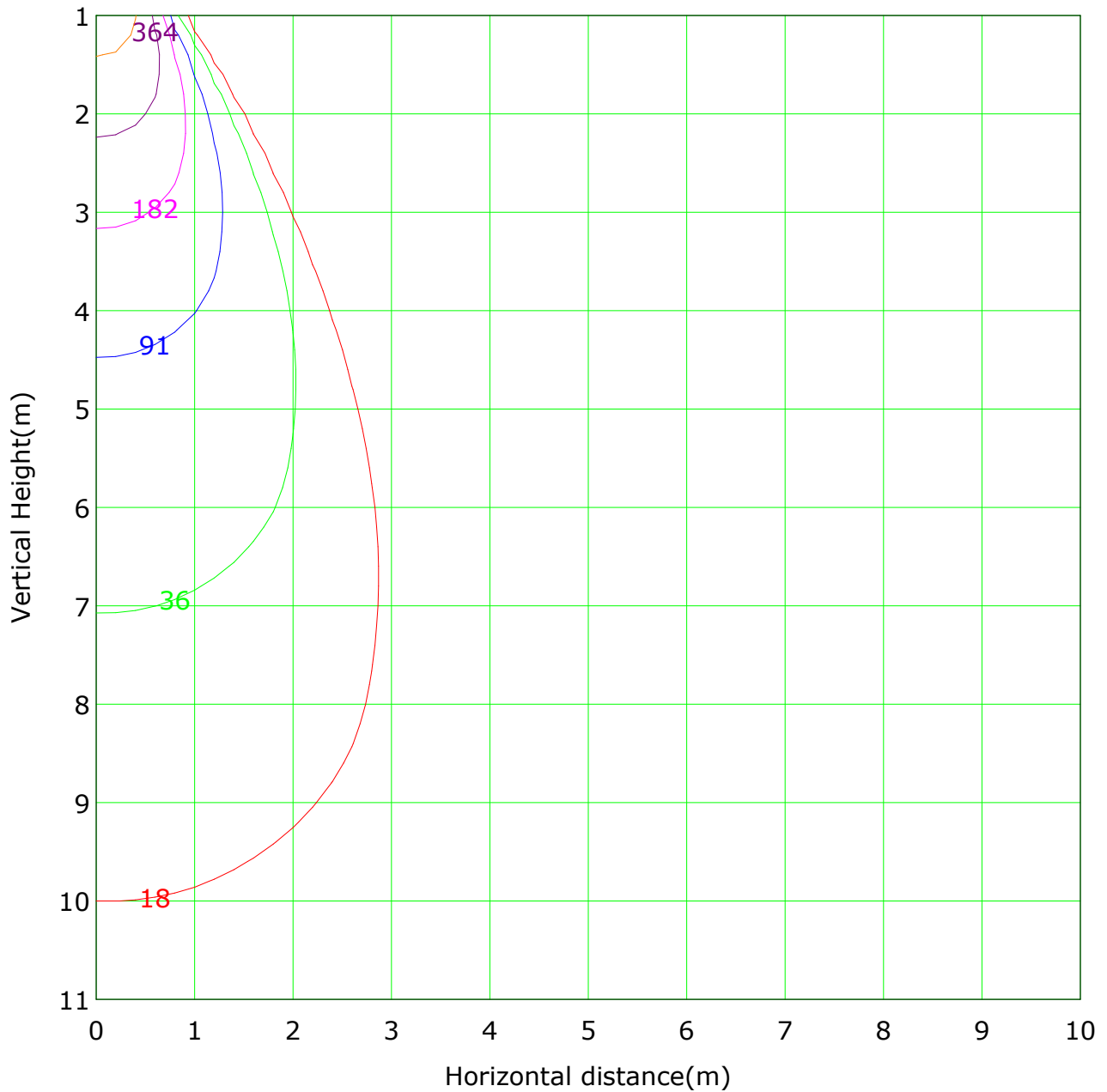
Humidity:

Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1m    Highest(m): 11    Max Lux: 1818

( 1%): 18 lx	( 2%): 36 lx
( 5%): 91 lx	( 10%): 182 lx
( 20%): 364 lx	( 50%): 909 lx
(100%): 1818 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

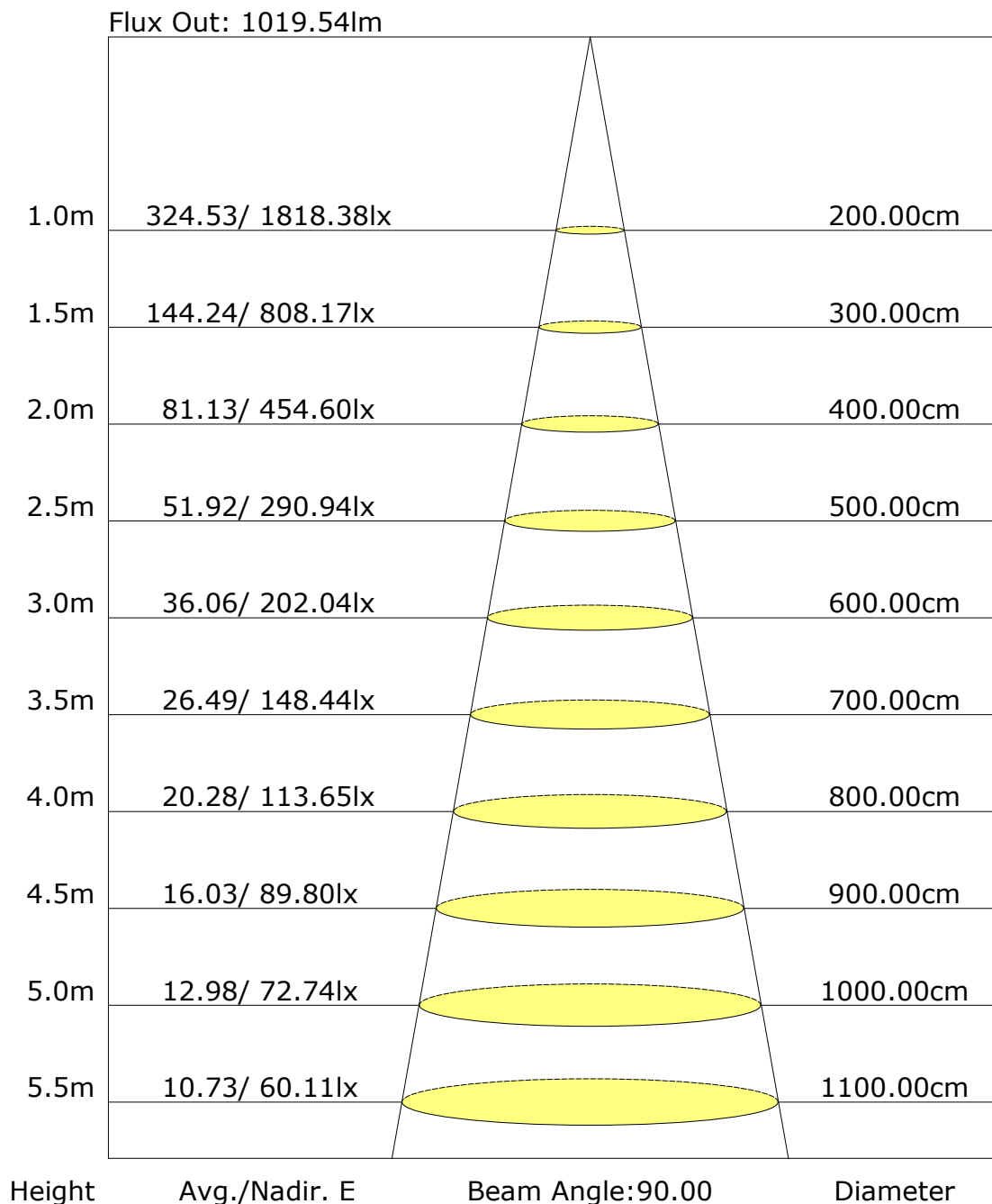
Test Device: CHL-6E

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	1817.8	1.7	1.7	0.17	0.17
1.0-2.0	1815.1	5.2	6.9	0.51	0.68
2.0-3.0	1809.6	8.7	15.6	0.84	1.52
3.0-4.0	1801.1	12.1	27.7	1.18	2.70
4.0-5.0	1789.4	15.4	43.1	1.50	4.20
5.0-6.0	1774.9	18.7	61.7	1.82	6.02
6.0-7.0	1756.7	21.8	83.5	2.13	8.15
7.0-8.0	1735.8	24.8	108.4	2.42	10.57
8.0-9.0	1712.5	27.8	136.1	2.71	13.28
9.0-10.0	1685.9	30.5	166.6	2.98	16.26
10.0-11.0	1656.3	33.1	199.7	3.23	19.48
11.0-12.0	1624.0	35.5	235.2	3.46	22.95
12.0-13.0	1588.6	37.7	272.9	3.68	26.63
13.0-14.0	1549.2	39.7	312.6	3.87	30.50
14.0-15.0	1506.7	41.4	354.0	4.04	34.53
15.0-16.0	1460.1	42.8	396.8	4.17	38.71
16.0-17.0	1407.3	43.8	440.6	4.28	42.98
17.0-18.0	1345.2	44.4	485.0	4.33	47.31
18.0-19.0	1274.6	44.3	529.3	4.33	51.63
19.0-20.0	1198.7	43.9	573.2	4.28	55.91
20.0-21.0	1120.3	43.0	616.2	4.20	60.11
21.0-22.0	1041.5	41.9	658.1	4.08	64.20
22.0-23.0	962.1	40.4	698.4	3.94	68.13
23.0-24.0	881.6	38.6	737.0	3.76	71.89
24.0-25.0	800.2	36.4	773.4	3.55	75.44
25.0-26.0	718.0	33.9	807.3	3.31	78.75
26.0-27.0	636.9	31.2	838.4	3.04	81.79
27.0-28.0	558.3	28.3	866.7	2.76	84.55
28.0-29.0	482.6	25.3	892.0	2.46	87.01
29.0-30.0	412.0	22.2	914.2	2.17	89.18
30.0-31.0	348.0	19.4	933.6	1.89	91.07
31.0-32.0	290.3	16.6	950.2	1.62	92.69
32.0-33.0	238.9	14.1	964.3	1.37	94.07
33.0-34.0	194.0	11.7	976.0	1.15	95.21
34.0-35.0	155.8	9.7	985.7	0.94	96.16
35.0-36.0	124.1	7.9	993.6	0.77	96.93

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	97.9	6.4	1000.0	0.62	97.55
37.0-38.0	75.9	5.1	1005.1	0.49	98.05
38.0-39.0	57.6	3.9	1009.0	0.38	98.43
39.0-40.0	42.6	3.0	1012.0	0.29	98.72
40.0-41.0	31.4	2.2	1014.2	0.22	98.94
41.0-42.0	23.9	1.7	1015.9	0.17	99.11
42.0-43.0	19.0	1.4	1017.3	0.14	99.24
43.0-44.0	15.7	1.2	1018.5	0.12	99.36
44.0-45.0	13.2	1.0	1019.5	0.10	99.46
45.0-46.0	11.1	0.9	1020.4	0.08	99.54
46.0-47.0	9.2	0.7	1021.1	0.07	99.61
47.0-48.0	7.8	0.6	1021.8	0.06	99.67
48.0-49.0	6.7	0.5	1022.3	0.05	99.73
49.0-50.0	5.7	0.5	1022.8	0.05	99.77
50.0-51.0	4.8	0.4	1023.2	0.04	99.81
51.0-52.0	4.2	0.4	1023.6	0.03	99.85
52.0-53.0	3.6	0.3	1023.9	0.03	99.88
53.0-54.0	3.0	0.3	1024.1	0.03	99.91
54.0-55.0	2.4	0.2	1024.3	0.02	99.93
55.0-56.0	1.9	0.2	1024.5	0.02	99.94
56.0-57.0	1.5	0.1	1024.6	0.01	99.96
57.0-58.0	1.1	0.1	1024.8	0.01	99.97
58.0-59.0	0.8	0.1	1024.8	0.01	99.97
59.0-60.0	0.7	0.1	1024.9	0.01	99.98
60.0-61.0	0.5	0.1	1024.9	0.00	99.98
61.0-62.0	0.4	0.0	1025.0	0.00	99.99
62.0-63.0	0.3	0.0	1025.0	0.00	99.99
63.0-64.0	0.2	0.0	1025.0	0.00	99.99
64.0-65.0	0.2	0.0	1025.1	0.00	100.00
65.0-66.0	0.2	0.0	1025.1	0.00	100.00
66.0-67.0	0.1	0.0	1025.1	0.00	100.00
67.0-68.0	0.1	0.0	1025.1	0.00	100.00
68.0-69.0	0.1	0.0	1025.1	0.00	100.00
69.0-70.0	0.1	0.0	1025.1	0.00	100.00
70.0-71.0	0.0	0.0	1025.1	0.00	100.00
71.0-72.0	0.0	0.0	1025.1	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	1818.4	1818.4								
G1.0	1820.2	1814.0								
G2.0	1818.8	1807.5								
G3.0	1814.5	1797.8								
G4.0	1806.8	1785.1								
G5.0	1796.2	1769.5								
G6.0	1783.0	1750.8								
G7.0	1765.0	1728.0								
G8.0	1745.5	1704.7								
G9.0	1722.3	1677.5								
G10.0	1697.0	1646.7								
G11.0	1668.2	1613.3								
G12.0	1637.1	1577.5								
G13.0	1602.7	1536.8								
G14.0	1563.6	1493.7								
G15.0	1521.9	1447.4								
G16.0	1476.8	1394.3								
G17.0	1425.0	1333.0								
G18.0	1363.5	1259.3								
G19.0	1294.7	1180.6								
G20.0	1216.8	1102.7								
G21.0	1137.2	1024.5								
G22.0	1059.8	944.5								
G23.0	981.3	863.0								
G24.0	901.8	780.5								
G25.0	822.5	696.1								
G26.0	740.3	613.2								
G27.0	661.1	533.1								
G28.0	582.5	456.6								
G29.0	506.5	384.6								
G30.0	435.3	321.5								
G31.0	369.6	265.4								
G32.0	310.0	216.3								
G33.0	254.4	174.9								
G34.0	207.7	139.0								
G35.0	166.4	110.2								
G36.0	132.7	86.9								

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	105.0	66.9								
G38.0	81.8	50.0								
G39.0	62.8	35.6								
G40.0	46.9	24.8								
G41.0	33.8	20.1								
G42.0	24.8	16.9								
G43.0	20.1	14.1								
G44.0	16.6	11.9								
G45.0	13.9	10.2								
G46.0	11.6	8.6								
G47.0	9.7	7.1								
G48.0	8.2	6.1								
G49.0	7.1	5.3								
G50.0	6.0	4.5								
G51.0	5.1	3.8								
G52.0	4.5	3.2								
G53.0	3.7	2.9								
G54.0	3.2	2.1								
G55.0	2.6	1.6								
G56.0	2.1	1.1								
G57.0	1.9	0.9								
G58.0	1.1	0.6								
G59.0	1.0	0.4								
G60.0	0.9	0.4								
G61.0	0.6	0.3								
G62.0	0.6	0.3								
G63.0	0.4	0.1								
G64.0	0.4	0.0								
G65.0	0.4	0.1								
G66.0	0.1	0.1								
G67.0	0.1	0.0								
G68.0	0.1	0.0								
G69.0	0.1	0.0								
G70.0	0.1	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

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: