

Report No.: AX-TL-LU-23W-084
Track Light

Test Time: 2024-10-05 19:19

Luminaire Property

Luminaire Category:

Voltage: 230.3 V

Power: 20.30 W

Current: 0.093 A

Power Factor: 0.941

Photometric Results

CIE Class: Direct

Measurement Flux: 2083.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H13.9

Vertical Diffuse Angle(50%): V13.9

Luminaire Efficacy Rating (LER): 103

Max. Intensity: 20372.65 cd

Total Rated Lamp Lumens: 2083.8 lm

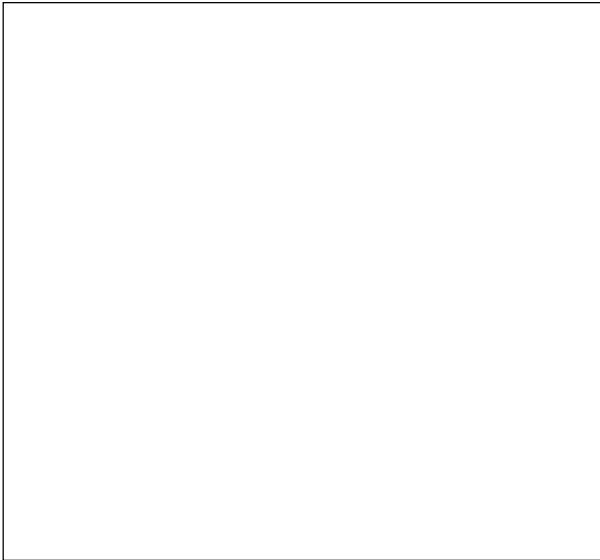
Efficiency: 100%

Upward Ratio: 0%

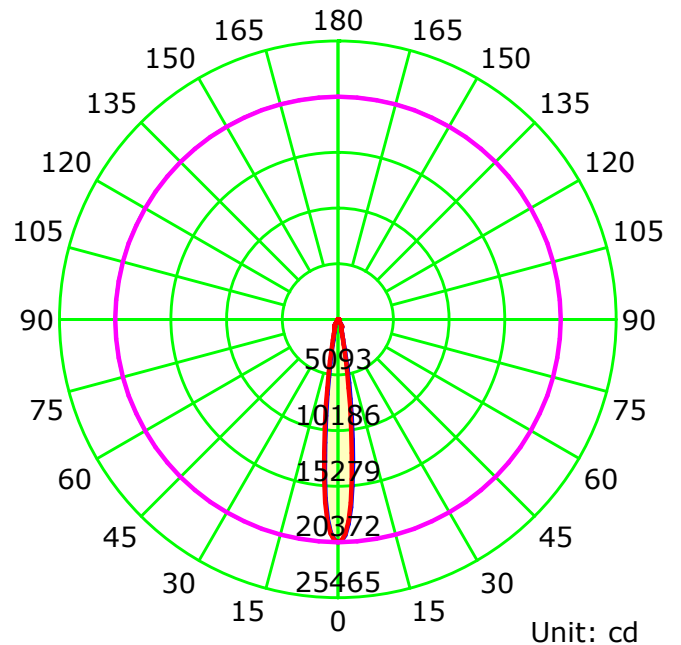
Central Intensity: 20372.64 cd

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

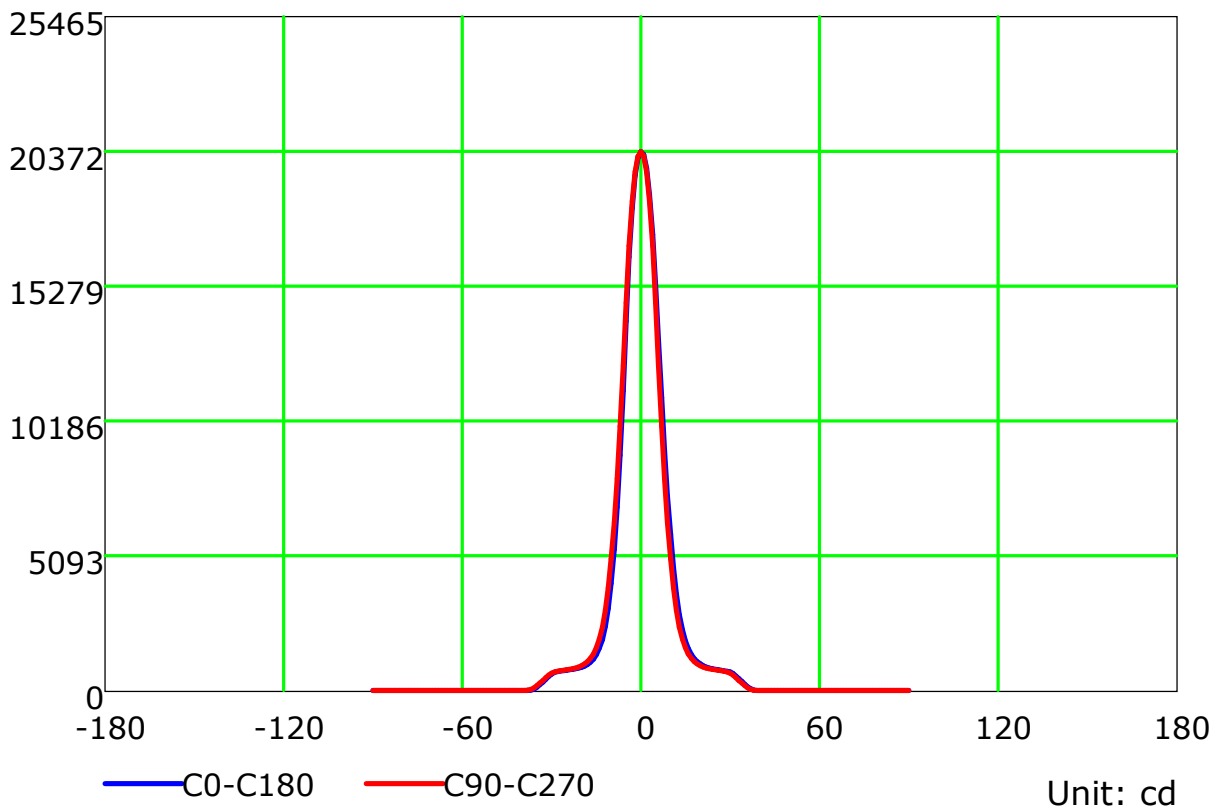
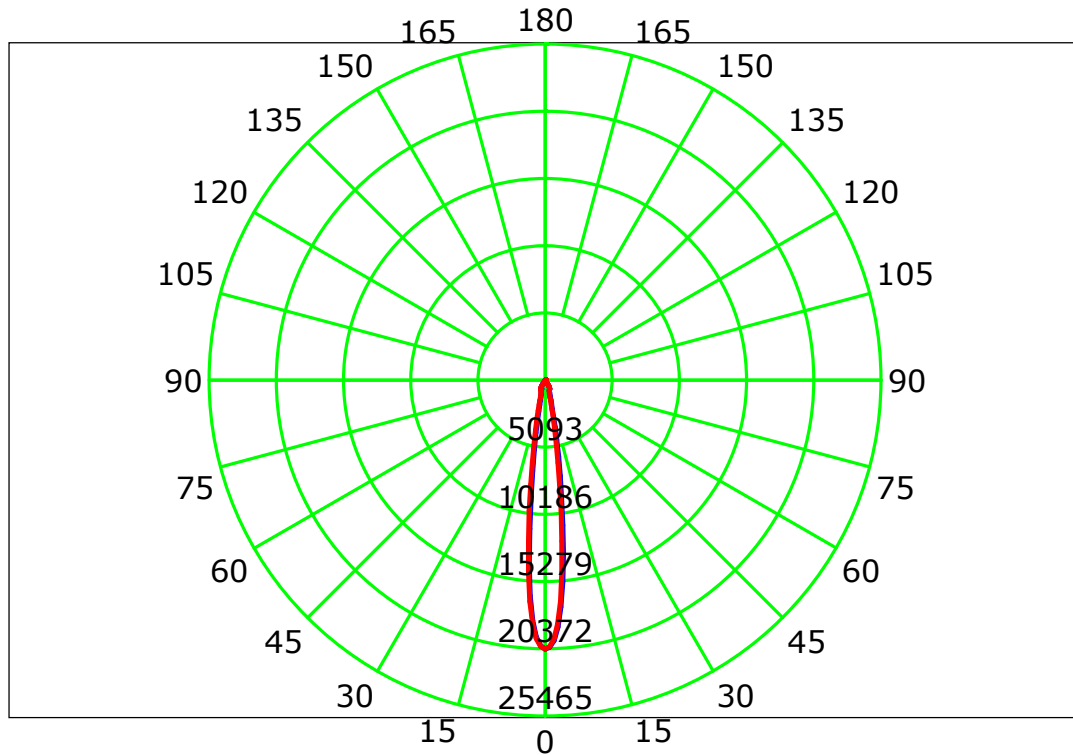
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

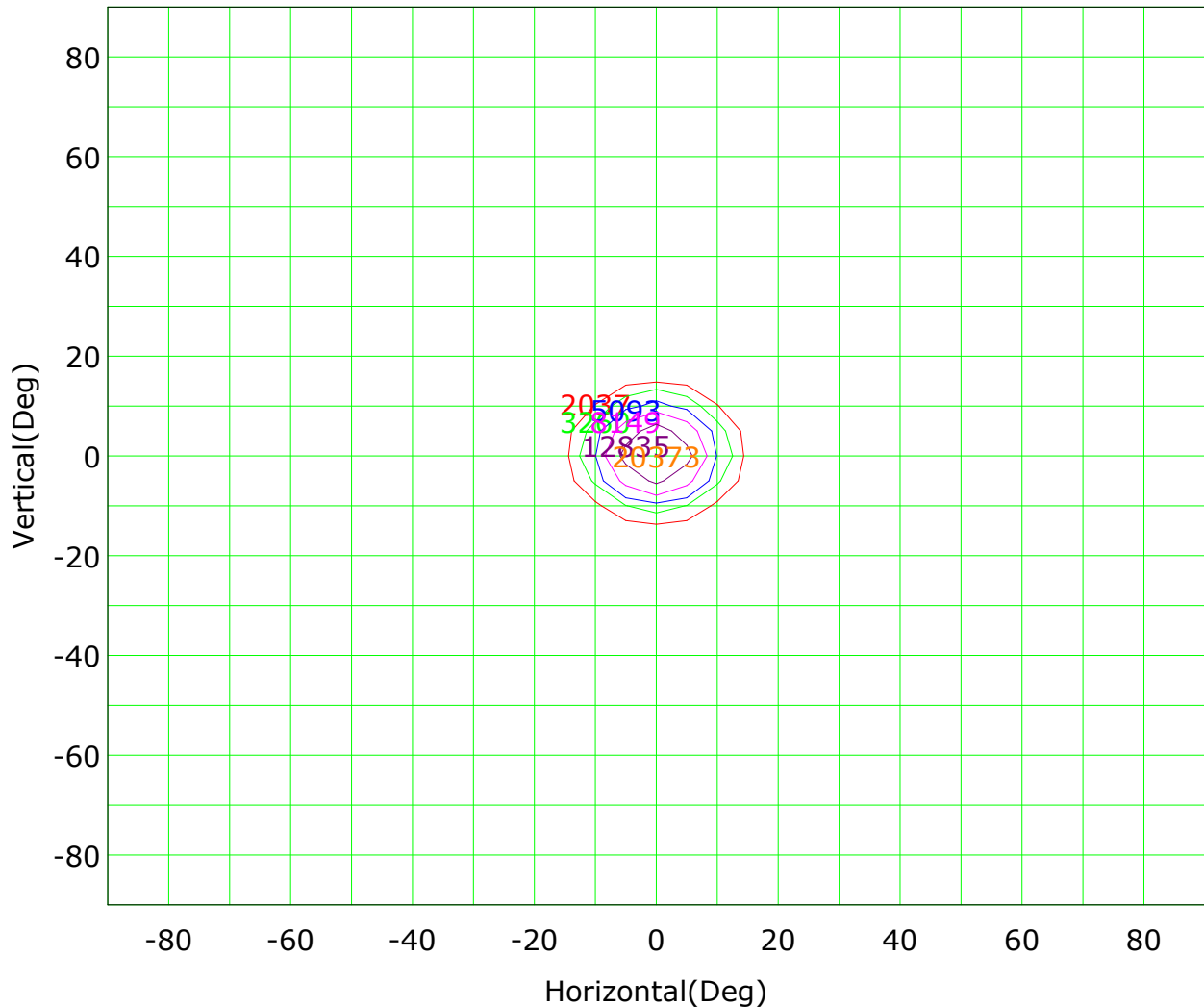
Luminous Intensity Distribution Curve



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%): 20373 cd

(10%): 2037 cd	(16%): 3260 cd
(25%): 5093 cd	(40%): 8149 cd
(63%): 12835 cd	(100%): 20373 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

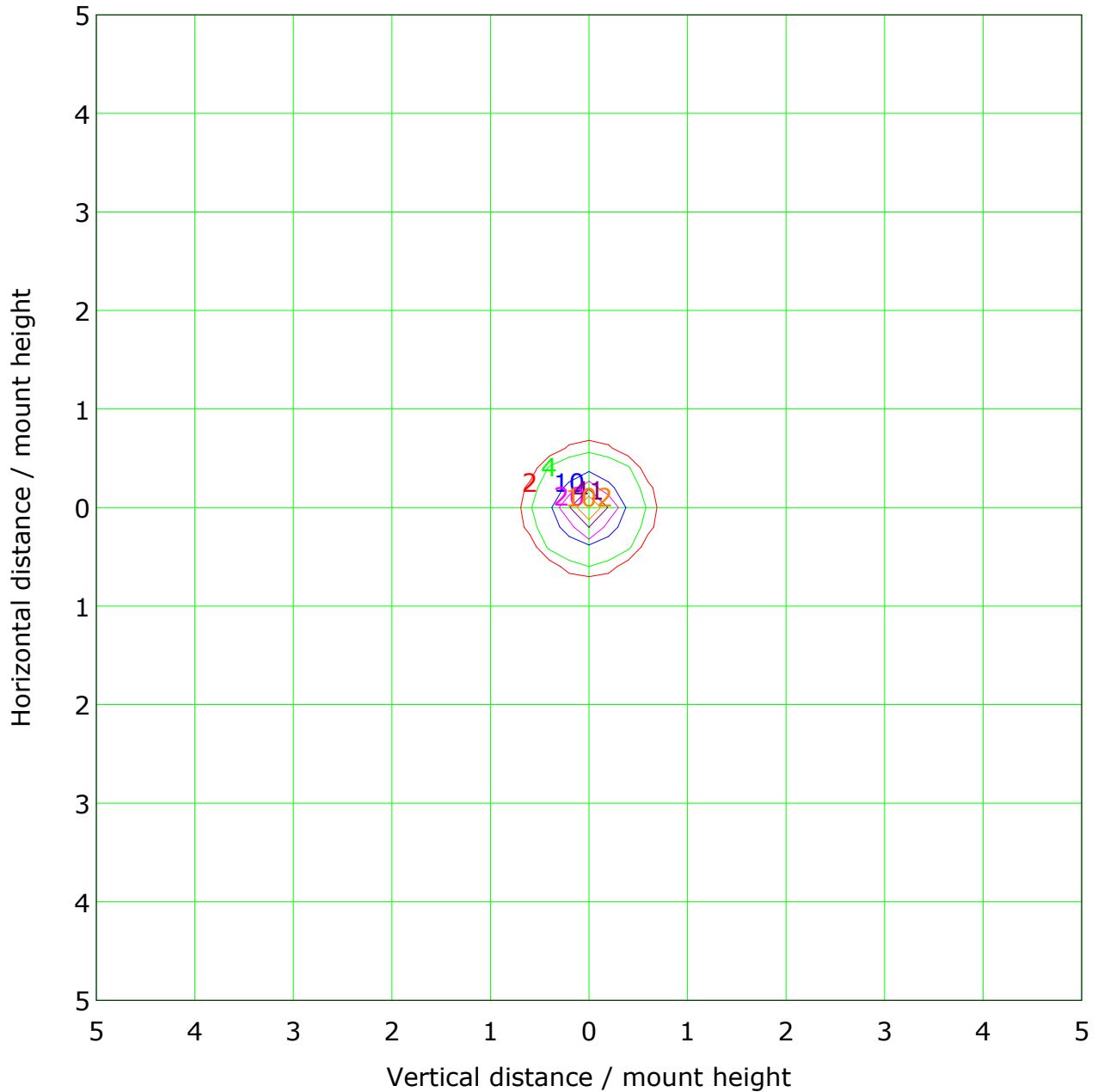
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 204 lx	
(1%):	2 lx	(2%):	4 lx
(5%):	10 lx	(10%):	20 lx
(20%):	41 lx	(50%):	102 lx
(100%):	204 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

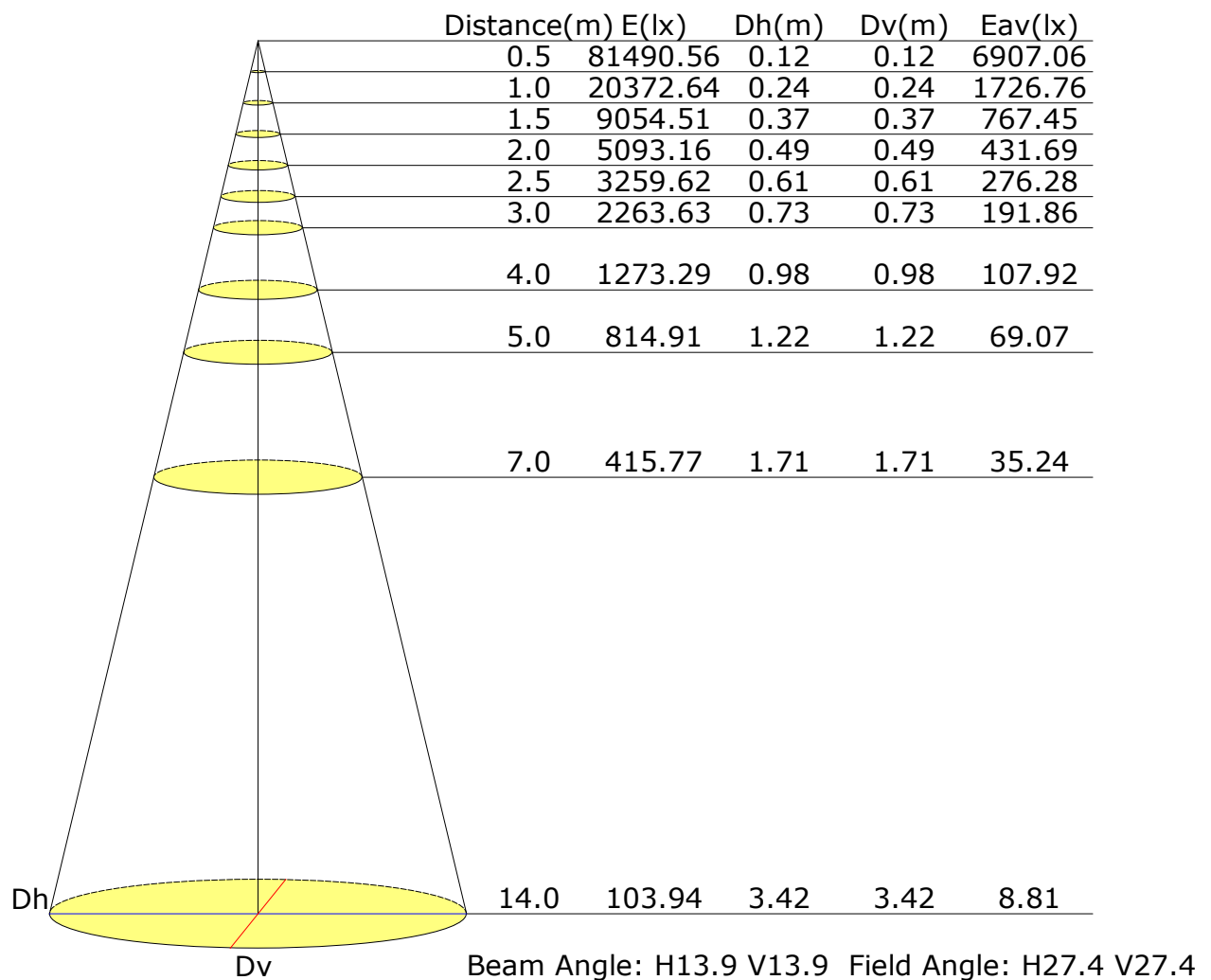
Test Device: CHL-6E

Distance: 3.328 m

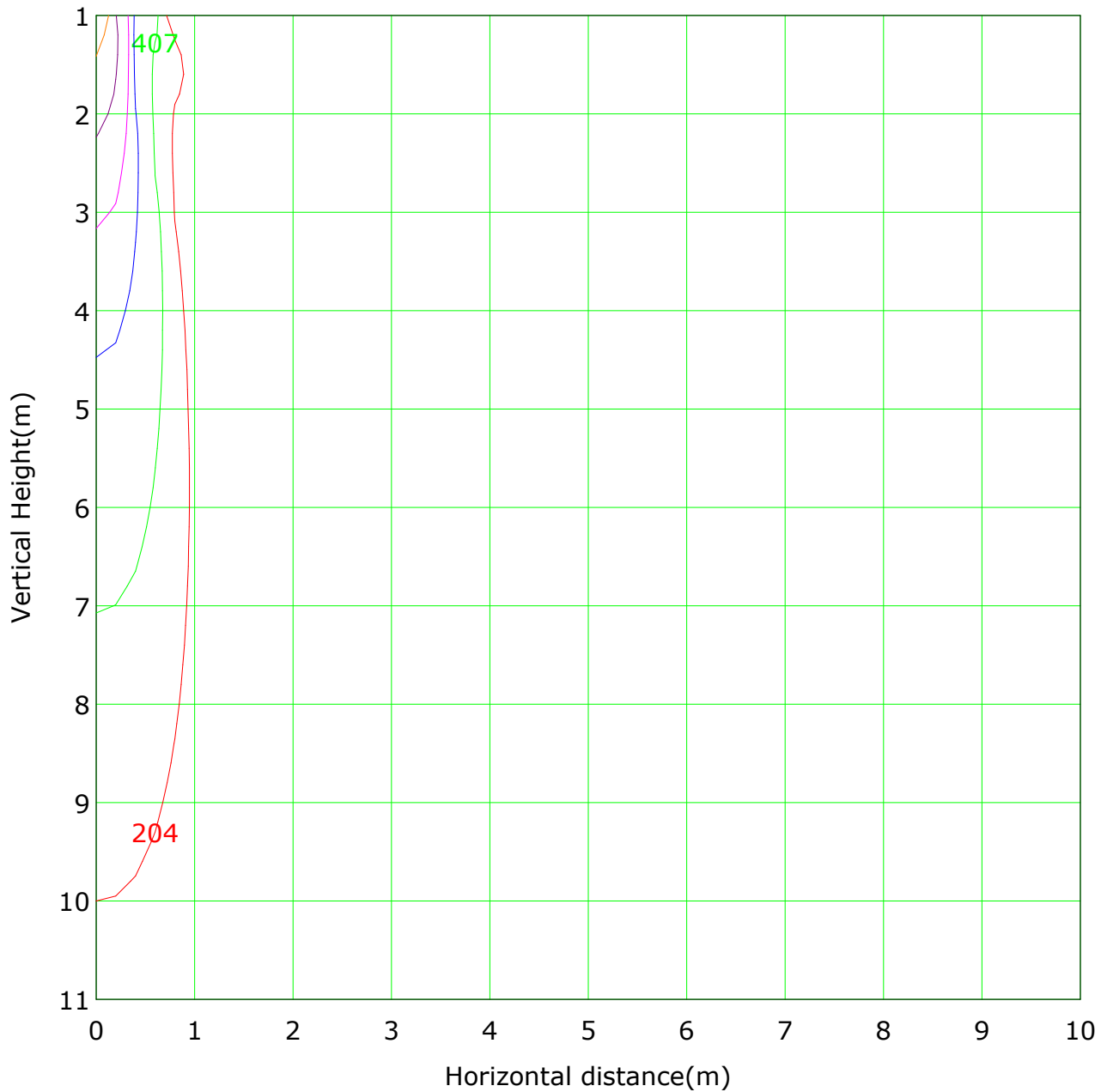
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 20373

(1%): 204 lx	(2%): 407 lx
(5%): 1019 lx	(10%): 2037 lx
(20%): 4075 lx	(50%): 10186 lx
(100%): 20373 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

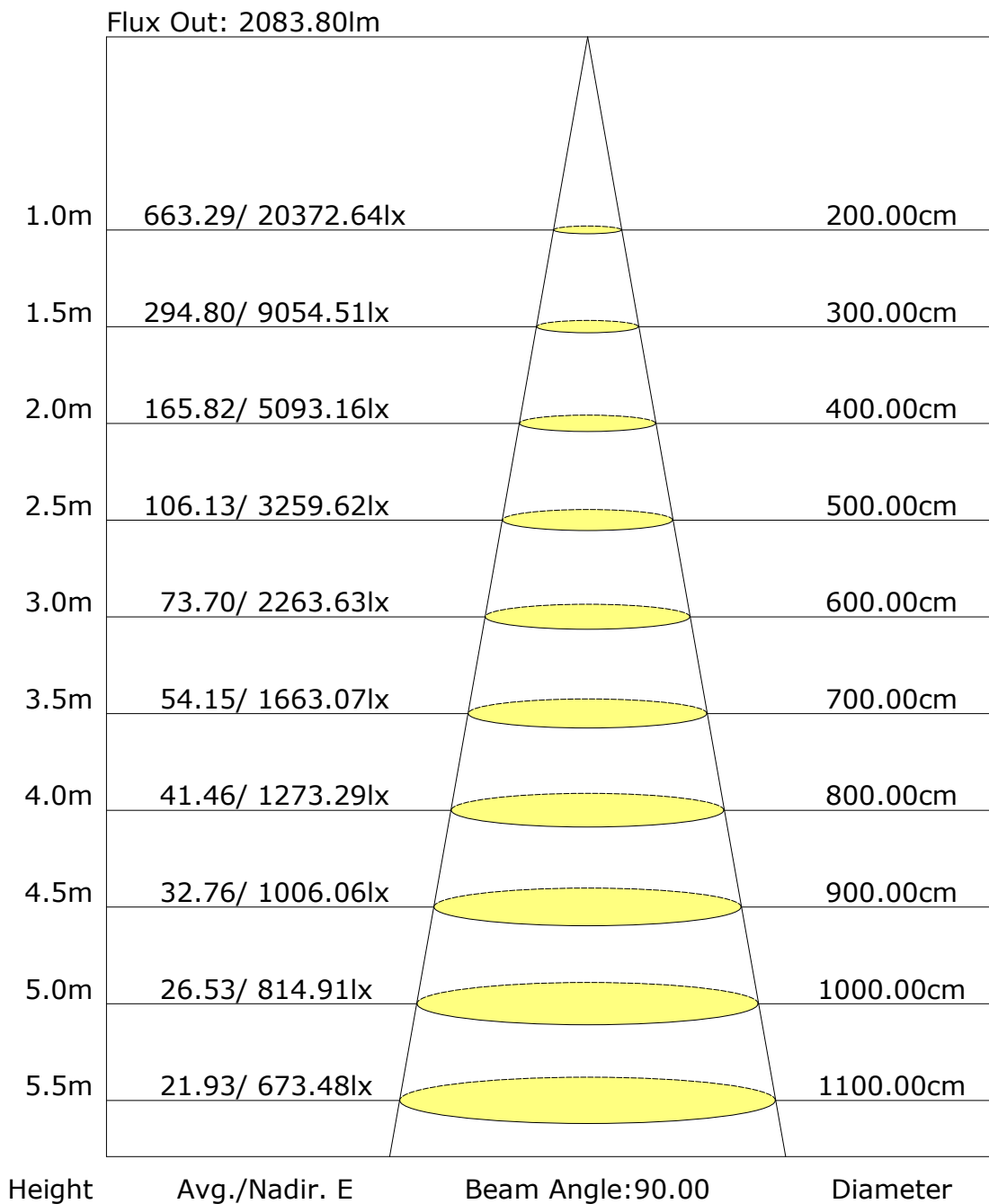
Test Device: CHL-6E

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	20284.8	19.4	19.4	0.93	0.93
1.0-2.0	19900.8	57.1	76.5	2.74	3.67
2.0-3.0	19046.2	91.1	167.6	4.37	8.05
3.0-4.0	17648.1	118.1	285.8	5.67	13.71
4.0-5.0	15730.1	135.3	421.1	6.49	20.21
5.0-6.0	13469.7	141.6	562.7	6.79	27.00
6.0-7.0	11138.4	138.3	701.0	6.64	33.64
7.0-8.0	8995.2	128.8	829.7	6.18	39.82
8.0-9.0	7173.8	116.3	946.0	5.58	45.40
9.0-10.0	5663.2	102.5	1048.5	4.92	50.32
10.0-11.0	4427.1	88.5	1137.0	4.25	54.56
11.0-12.0	3453.8	75.5	1212.5	3.62	58.19
12.0-13.0	2715.2	64.4	1276.9	3.09	61.28
13.0-14.0	2172.3	55.6	1332.5	2.67	63.95
14.0-15.0	1784.6	49.0	1381.5	2.35	66.30
15.0-16.0	1505.0	44.1	1425.7	2.12	68.42
16.0-17.0	1303.1	40.6	1466.2	1.95	70.36
17.0-18.0	1157.5	38.2	1504.4	1.83	72.20
18.0-19.0	1052.8	36.6	1541.0	1.76	73.95
19.0-20.0	975.5	35.7	1576.7	1.71	75.67
20.0-21.0	918.2	35.3	1612.0	1.69	77.36
21.0-22.0	875.8	35.2	1647.2	1.69	79.05
22.0-23.0	844.0	35.4	1682.6	1.70	80.75
23.0-24.0	819.0	35.8	1718.4	1.72	82.47
24.0-25.0	797.9	36.3	1754.7	1.74	84.21
25.0-26.0	779.2	36.8	1791.5	1.77	85.97
26.0-27.0	760.8	37.2	1828.7	1.79	87.76
27.0-28.0	742.1	37.6	1866.3	1.80	89.56
28.0-29.0	721.8	37.8	1904.1	1.81	91.37
29.0-30.0	686.9	37.1	1941.2	1.78	93.15
30.0-31.0	625.8	34.8	1976.0	1.67	94.83
31.0-32.0	539.8	30.9	2006.9	1.48	96.31
32.0-33.0	438.2	25.8	2032.7	1.24	97.55
33.0-34.0	333.8	20.2	2052.9	0.97	98.52
34.0-35.0	232.5	14.4	2067.4	0.69	99.21
35.0-36.0	140.6	9.0	2076.3	0.43	99.64

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	69.2	4.5	2080.9	0.22	99.86
37.0-38.0	27.1	1.8	2082.7	0.09	99.95
38.0-39.0	10.3	0.7	2083.4	0.03	99.98
39.0-40.0	4.1	0.3	2083.6	0.01	99.99
40.0-41.0	1.6	0.1	2083.8	0.01	100.00
41.0-42.0	0.6	0.0	2083.8	0.00	100.00
42.0-43.0	0.0	0.0	2083.8	0.00	100.00
43.0-44.0	0.0	0.0	2083.8	0.00	100.00
44.0-45.0	0.0	0.0	2083.8	0.00	100.00
45.0-46.0	0.0	0.0	2083.8	0.00	100.00
46.0-47.0	0.0	0.0	2083.8	0.00	100.00
47.0-48.0	0.0	0.0	2083.8	0.00	100.00
48.0-49.0	0.0	0.0	2083.8	0.00	100.00
49.0-50.0	0.0	0.0	2083.8	0.00	100.00
50.0-51.0	0.0	0.0	2083.8	0.00	100.00
51.0-52.0	0.0	0.0	2083.8	0.00	100.00
52.0-53.0	0.0	0.0	2083.8	0.00	100.00
53.0-54.0	0.0	0.0	2083.8	0.00	100.00
54.0-55.0	0.0	0.0	2083.8	0.00	100.00
55.0-56.0	0.0	0.0	2083.8	0.00	100.00
56.0-57.0	0.0	0.0	2083.8	0.00	100.00
57.0-58.0	0.0	0.0	2083.8	0.00	100.00
58.0-59.0	0.0	0.0	2083.8	0.00	100.00
59.0-60.0	0.0	0.0	2083.8	0.00	100.00
60.0-61.0	0.0	0.0	2083.8	0.00	100.00
61.0-62.0	0.0	0.0	2083.8	0.00	100.00
62.0-63.0	0.0	0.0	2083.8	0.00	100.00
63.0-64.0	0.0	0.0	2083.8	0.00	100.00
64.0-65.0	0.0	0.0	2083.8	0.00	100.00
65.0-66.0	0.0	0.0	2083.8	0.00	100.00
66.0-67.0	0.0	0.0	2083.8	0.00	100.00
67.0-68.0	0.0	0.0	2083.8	0.00	100.00
68.0-69.0	0.0	0.0	2083.8	0.00	100.00
69.0-70.0	0.0	0.0	2083.8	0.00	100.00
70.0-71.0	0.0	0.0	2083.8	0.00	100.00
71.0-72.0	0.0	0.0	2083.8	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	20372.6	20372.6								
G1.0	20253.0	20140.8								
G2.0	19740.6	19468.8								
G3.0	18734.6	18240.9								
G4.0	17232.3	16384.6								
G5.0	15333.7	13969.9								
G6.0	13241.8	11333.2								
G7.0	11075.2	8903.5								
G8.0	9059.4	6942.6								
G9.0	7355.2	5338.1								
G10.0	5902.9	4056.6								
G11.0	4642.5	3106.6								
G12.0	3643.9	2422.2								
G13.0	2867.3	1927.3								
G14.0	2297.6	1596.9								
G15.0	1883.7	1360.1								
G16.0	1585.7	1190.5								
G17.0	1366.3	1069.6								
G18.0	1206.8	987.3								
G19.0	1090.8	926.3								
G20.0	1004.8	880.1								
G21.0	940.0	847.7								
G22.0	892.6	822.8								
G23.0	857.7	802.8								
G24.0	829.0	786.6								
G25.0	806.6	769.2								
G26.0	786.6	754.2								
G27.0	764.2	738.0								
G28.0	745.5	720.6								
G29.0	728.0	693.1								
G30.0	701.9	624.6								
G31.0	643.3	533.6								
G32.0	556.0	426.4								
G33.0	450.0	320.4								
G34.0	345.3	219.4								
G35.0	240.6	124.7								
G36.0	143.4	53.6								

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	64.8	15.0								
G38.0	20.0	8.7								
G39.0	8.7	3.7								
G40.0	3.7	0.0								
G41.0	2.5	0.0								
G42.0	0.0	0.0								
G43.0	0.0	0.0								
G44.0	0.0	0.0								
G45.0	0.0	0.0								
G46.0	0.0	0.0								
G47.0	0.0	0.0								
G48.0	0.0	0.0								
G49.0	0.0	0.0								
G50.0	0.0	0.0								
G51.0	0.0	0.0								
G52.0	0.0	0.0								
G53.0	0.0	0.0								
G54.0	0.0	0.0								
G55.0	0.0	0.0								
G56.0	0.0	0.0								
G57.0	0.0	0.0								
G58.0	0.0	0.0								
G59.0	0.0	0.0								
G60.0	0.0	0.0								
G61.0	0.0	0.0								
G62.0	0.0	0.0								
G63.0	0.0	0.0								
G64.0	0.0	0.0								
G65.0	0.0	0.0								
G66.0	0.0	0.0								
G67.0	0.0	0.0								
G68.0	0.0	0.0								
G69.0	0.0	0.0								
G70.0	0.0	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:

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Temperature:

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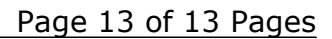
Gamma Plane (°):0.0-90.0:1.0

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: