

Report No.: 32.10111 High Lumen Pro
Track Light

Test Time: 2024-09-26 23:43

Luminaire Property

Luminaire Category:

Voltage: 240.2 V

Power: 32.20 W

Current: 0.140 A

Power Factor: 0.954

Photometric Results

CIE Class: Direct

Measurement Flux: 4251 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H47.2

Vertical Diffuse Angle(50%): V47.2

Luminaire Efficacy Rating (LER): 132

Max. Intensity: 6215.76 cd

Total Rated Lamp Lumens: 4251.0 lm

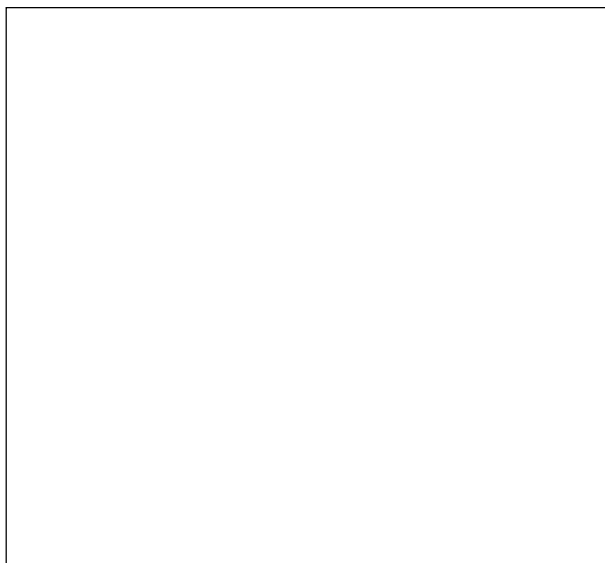
Efficiency: 100%

Upward Ratio: 0%

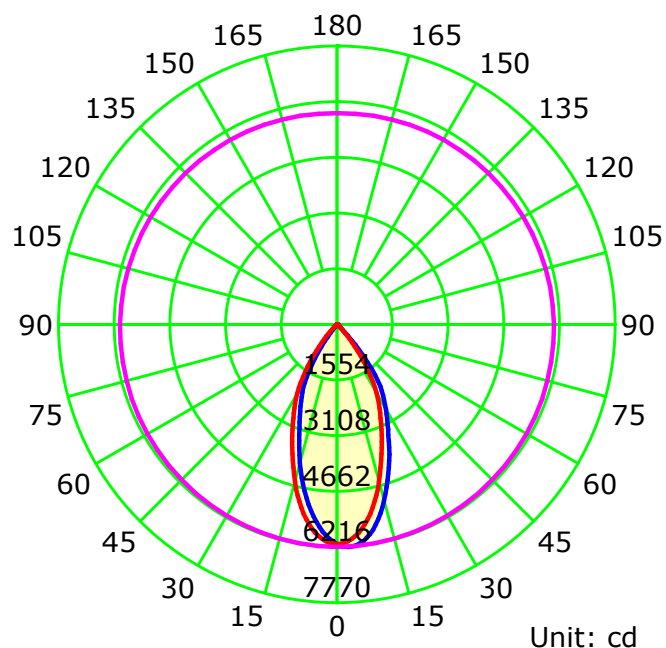
Central Intensity: 6128.5 cd

Pos of Max. Intensity: H0 V3

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

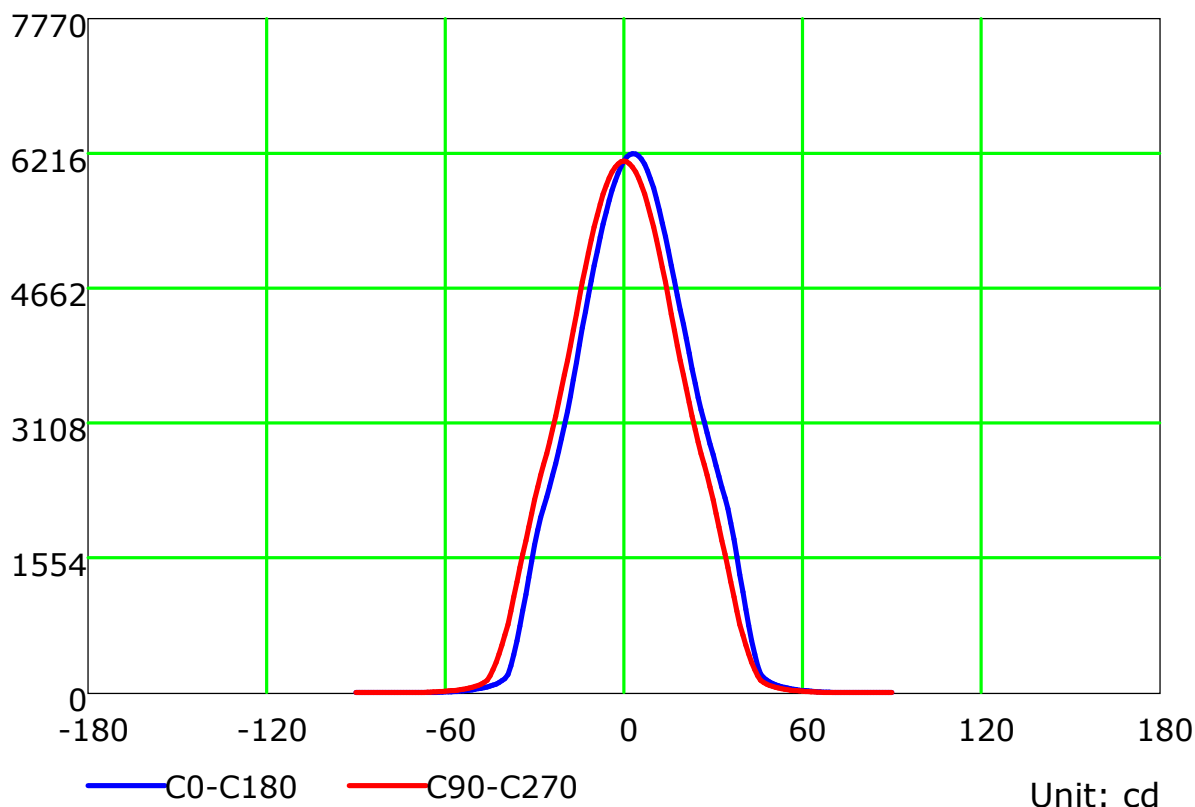
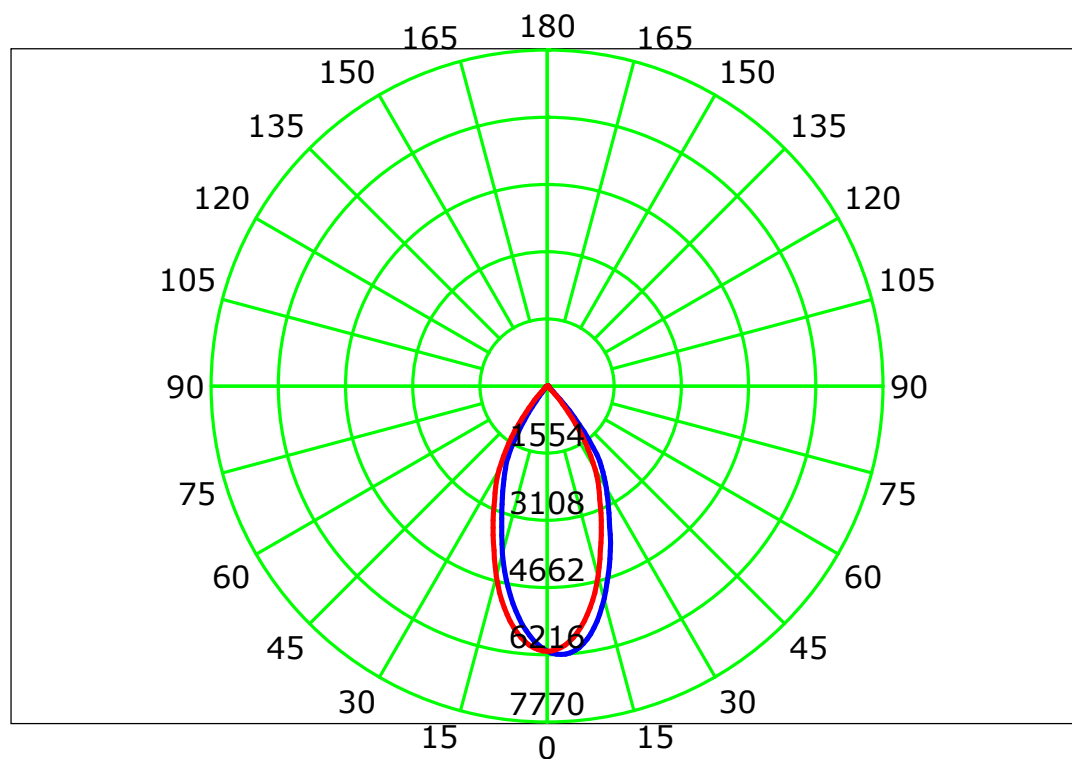
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

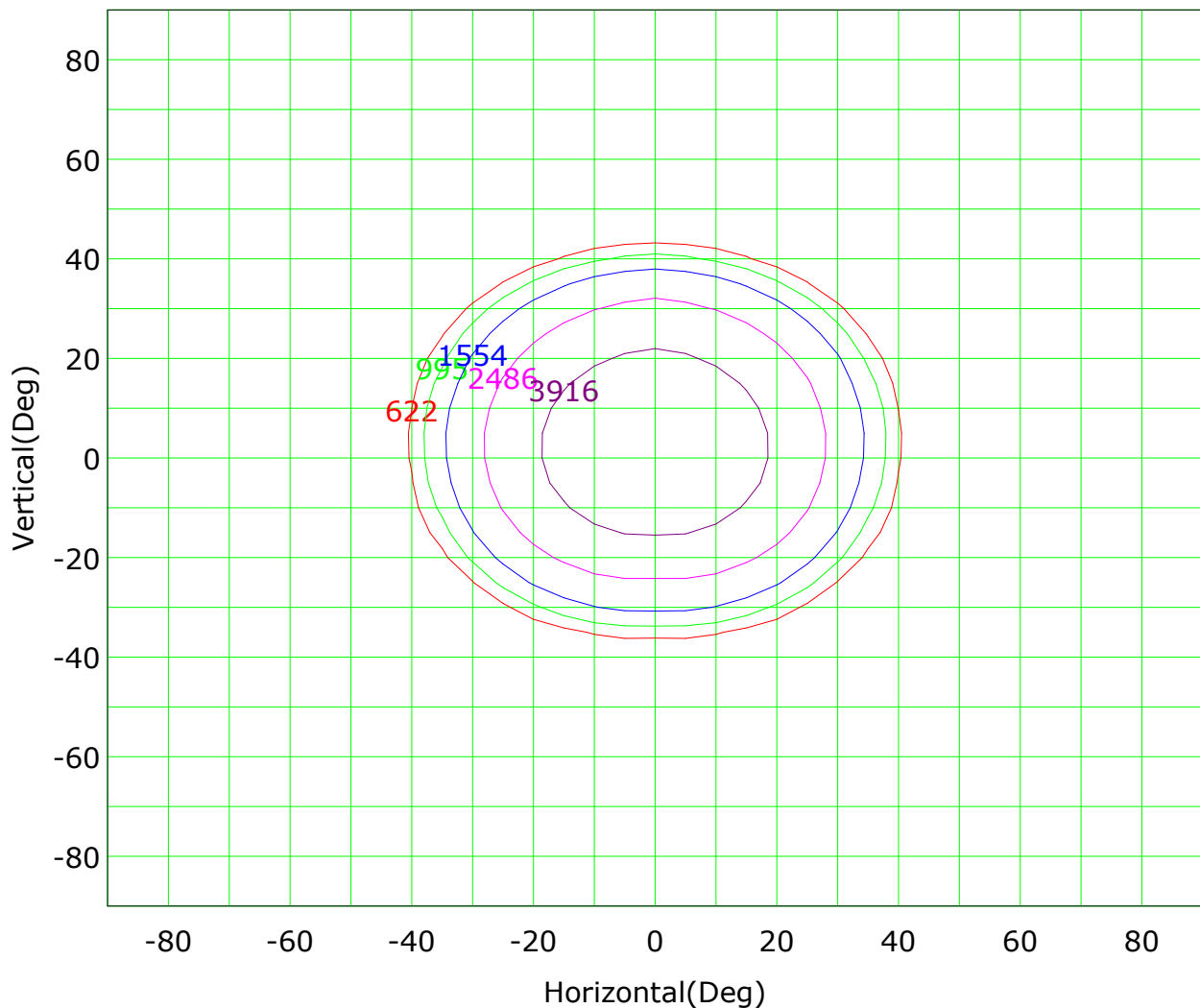
Luminous Intensity Distribution Curve



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)



I_{max} (100%): 6216 cd

(10%): 622 cd	(16%): 995 cd
(25%): 1554 cd	(40%): 2486 cd
(63%): 3916 cd	(100%): 6216 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

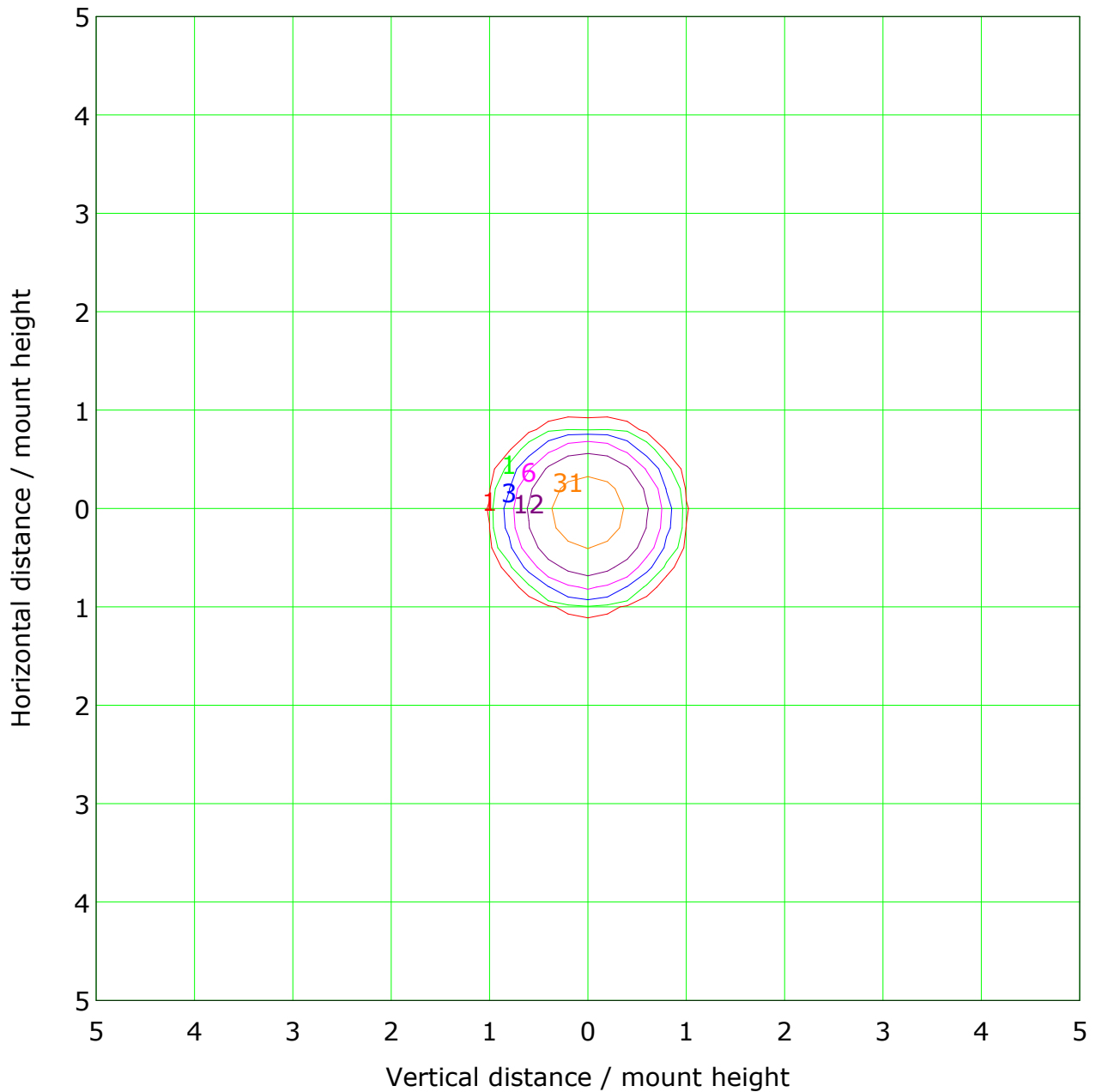
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot

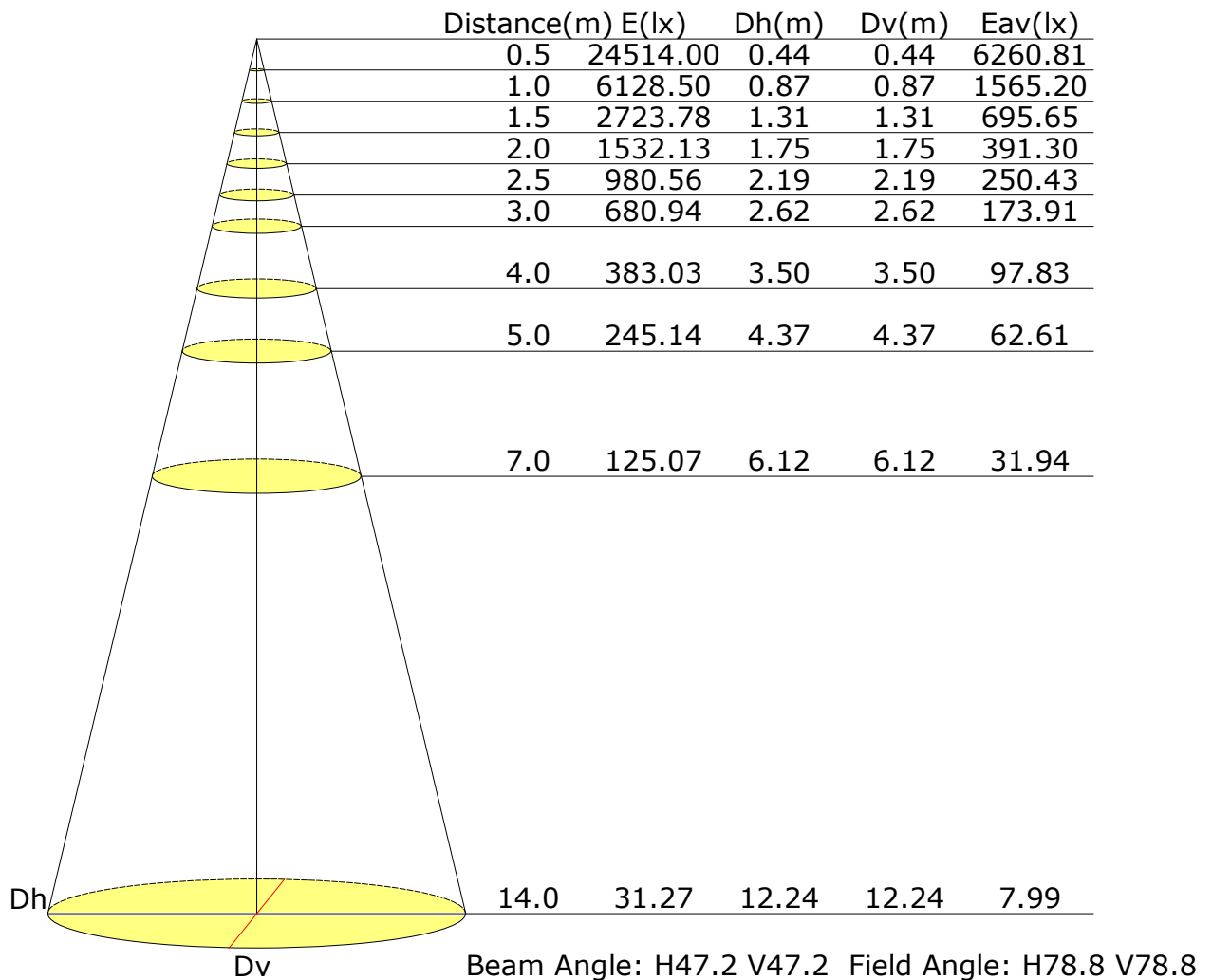


Mounting Height: 10m		Max Lux(100%): 62 lx	
(1%):	1 lx	(2%):	1 lx
(5%):	3 lx	(10%):	6 lx
(20%):	12 lx	(50%):	31 lx
(100%):	62 lx		

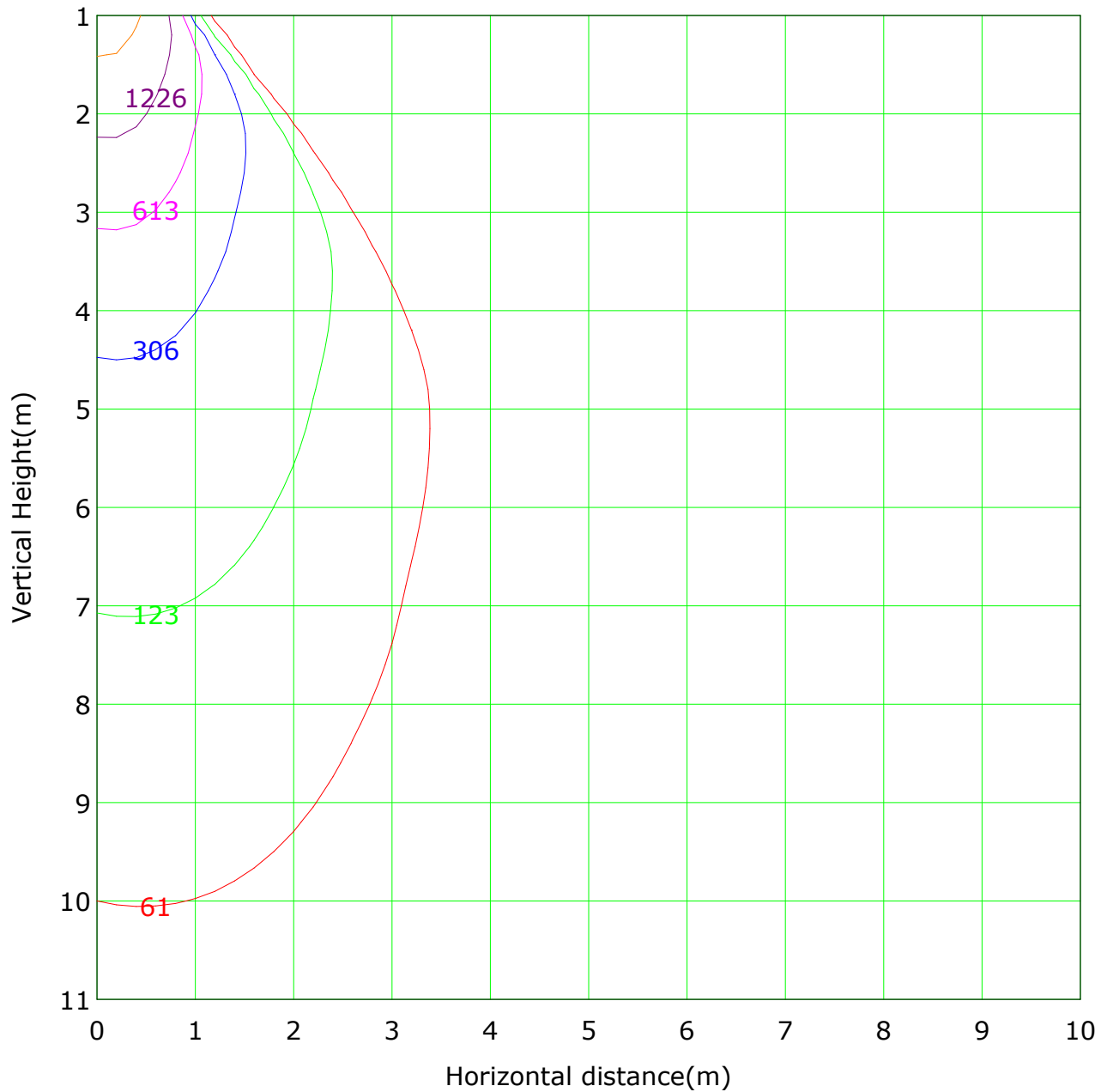
C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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



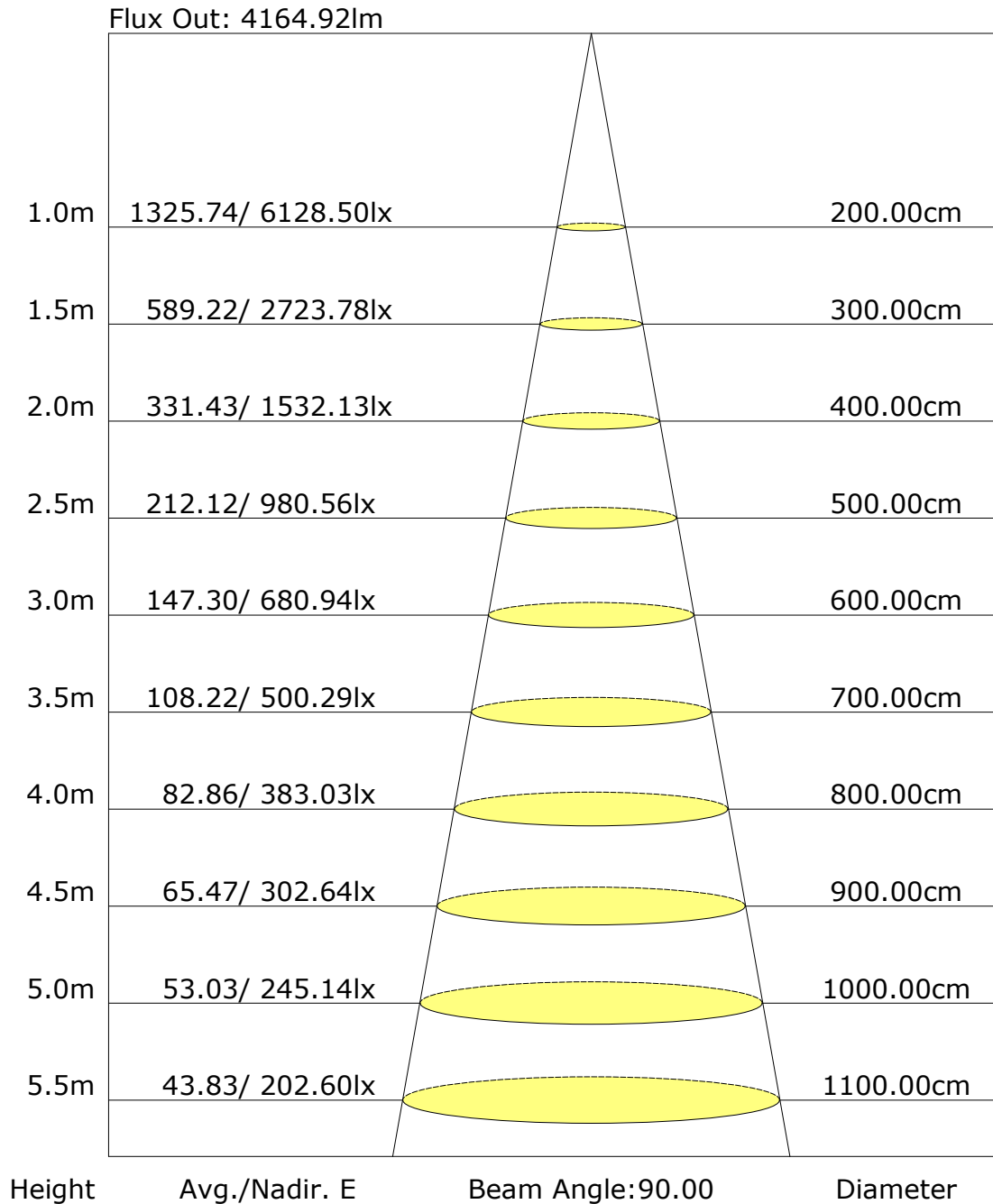
Lowest(m): 1m Highest(m): 11 Max Lux: 6129

(1%): 61 lx	(2%): 123 lx
(5%): 306 lx	(10%): 613 lx
(20%): 1226 lx	(50%): 3064 lx
(100%): 6129 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	6125.1	5.9	5.9	0.14	0.14
1.0-2.0	6109.2	17.5	23.4	0.41	0.55
2.0-3.0	6077.1	29.1	52.5	0.68	1.23
3.0-4.0	6029.7	40.4	92.8	0.95	2.18
4.0-5.0	5967.1	51.3	144.2	1.21	3.39
5.0-6.0	5889.8	61.9	206.1	1.46	4.85
6.0-7.0	5797.2	72.0	278.0	1.69	6.54
7.0-8.0	5689.7	81.4	359.5	1.92	8.46
8.0-9.0	5569.1	90.3	449.8	2.12	10.58
9.0-10.0	5437.5	98.4	548.2	2.32	12.90
10.0-11.0	5295.1	105.8	654.0	2.49	15.38
11.0-12.0	5143.7	112.5	766.4	2.65	18.03
12.0-13.0	4984.7	118.3	884.8	2.78	20.81
13.0-14.0	4818.3	123.3	1008.1	2.90	23.71
14.0-15.0	4643.1	127.5	1135.6	3.00	26.71
15.0-16.0	4459.2	130.7	1266.3	3.07	29.79
16.0-17.0	4271.9	133.1	1399.3	3.13	32.92
17.0-18.0	4088.4	134.8	1534.1	3.17	36.09
18.0-19.0	3913.2	136.2	1670.3	3.20	39.29
19.0-20.0	3745.5	137.1	1807.4	3.23	42.52
20.0-21.0	3584.4	137.7	1945.1	3.24	45.76
21.0-22.0	3426.1	137.7	2082.8	3.24	48.99
22.0-23.0	3266.2	137.1	2219.8	3.22	52.22
23.0-24.0	3109.8	136.0	2355.8	3.20	55.42
24.0-25.0	2961.1	134.7	2490.5	3.17	58.59
25.0-26.0	2822.7	133.3	2623.7	3.13	61.72
26.0-27.0	2693.1	131.8	2755.5	3.10	64.82
27.0-28.0	2568.4	130.1	2885.6	3.06	67.88
28.0-29.0	2439.7	127.7	3013.2	3.00	70.88
29.0-30.0	2297.3	124.1	3137.3	2.92	73.80
30.0-31.0	2144.5	119.4	3256.6	2.81	76.61
31.0-32.0	1987.8	113.9	3370.5	2.68	79.29
32.0-33.0	1829.8	107.8	3478.3	2.54	81.82
33.0-34.0	1673.3	101.3	3579.6	2.38	84.21
34.0-35.0	1519.3	94.4	3674.0	2.22	86.43
35.0-36.0	1358.8	86.5	3760.5	2.04	88.46

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	1189.9	77.6	3838.1	1.83	90.29
37.0-38.0	1021.9	68.2	3906.3	1.60	91.89
38.0-39.0	862.4	58.9	3965.2	1.38	93.28
39.0-40.0	723.4	50.5	4015.7	1.19	94.46
40.0-41.0	605.6	43.1	4058.8	1.01	95.48
41.0-42.0	497.1	36.1	4094.9	0.85	96.33
42.0-43.0	396.4	29.4	4124.3	0.69	97.02
43.0-44.0	306.1	23.1	4147.4	0.54	97.56
44.0-45.0	228.1	17.5	4164.9	0.41	97.98
45.0-46.0	167.1	13.1	4178.0	0.31	98.28
46.0-47.0	128.4	10.2	4188.2	0.24	98.52
47.0-48.0	106.9	8.6	4196.8	0.20	98.73
48.0-49.0	91.6	7.5	4204.4	0.18	98.90
49.0-50.0	78.2	6.5	4210.9	0.15	99.06
50.0-51.0	66.4	5.6	4216.5	0.13	99.19
51.0-52.0	57.7	4.9	4221.5	0.12	99.31
52.0-53.0	50.5	4.4	4225.9	0.10	99.41
53.0-54.0	43.3	3.8	4229.7	0.09	99.50
54.0-55.0	37.7	3.4	4233.0	0.08	99.58
55.0-56.0	32.4	2.9	4236.0	0.07	99.65
56.0-57.0	27.4	2.5	4238.5	0.06	99.71
57.0-58.0	24.0	2.2	4240.7	0.05	99.76
58.0-59.0	20.6	1.9	4242.6	0.05	99.80
59.0-60.0	17.5	1.6	4244.3	0.04	99.84
60.0-61.0	15.3	1.5	4245.7	0.03	99.88
61.0-62.0	12.8	1.2	4247.0	0.03	99.91
62.0-63.0	10.3	1.0	4248.0	0.02	99.93
63.0-64.0	8.4	0.8	4248.8	0.02	99.95
64.0-65.0	6.2	0.6	4249.4	0.01	99.96
65.0-66.0	4.7	0.5	4249.9	0.01	99.97
66.0-67.0	3.7	0.4	4250.2	0.01	99.98
67.0-68.0	2.8	0.3	4250.5	0.01	99.99
68.0-69.0	2.2	0.2	4250.7	0.01	99.99
69.0-70.0	1.2	0.1	4250.9	0.00	100.00
70.0-71.0	0.6	0.1	4250.9	0.00	100.00
71.0-72.0	0.3	0.0	4251.0	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	6128.5	6128.5								
G1.0	6175.9	6067.4								
G2.0	6203.3	5990.1								
G3.0	6215.8	5899.1								
G4.0	6210.8	5793.1								
G5.0	6189.6	5674.7								
G6.0	6150.9	5543.8								
G7.0	6093.6	5400.5								
G8.0	6015.0	5249.6								
G9.0	5924.0	5087.5								
G10.0	5818.1	4920.5								
G11.0	5694.7	4747.2								
G12.0	5558.8	4573.9								
G13.0	5414.2	4391.9								
G14.0	5259.6	4207.4								
G15.0	5093.8	4011.7								
G16.0	4924.2	3807.3								
G17.0	4749.7	3606.5								
G18.0	4580.2	3417.1								
G19.0	4414.4	3241.3								
G20.0	4248.6	3078.0								
G21.0	4084.0	2927.1								
G22.0	3913.2	2780.0								
G23.0	3732.4	2639.1								
G24.0	3562.9	2504.5								
G25.0	3402.1	2374.9								
G26.0	3261.2	2252.7								
G27.0	3125.3	2133.0								
G28.0	2995.7	2019.6								
G29.0	2867.3	1876.2								
G30.0	2742.6	1702.9								
G31.0	2616.7	1515.9								
G32.0	2492.0	1326.4								
G33.0	2368.6	1131.9								
G34.0	2246.4	946.2								
G35.0	2120.5	764.2								
G36.0	1956.0	594.7								

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	1770.2	438.8								
G38.0	1569.5	309.2								
G39.0	1361.3	209.4								
G40.0	1161.9	160.8								
G41.0	962.4	137.1								
G42.0	774.2	114.7								
G43.0	598.4	98.5								
G44.0	441.3	86.0								
G45.0	309.2	76.1								
G46.0	216.9	66.1								
G47.0	173.3	57.3								
G48.0	147.1	49.9								
G49.0	124.7	44.9								
G50.0	103.5	39.9								
G51.0	89.8	32.4								
G52.0	79.8	28.7								
G53.0	69.8	23.7								
G54.0	59.8	20.0								
G55.0	52.4	18.7								
G56.0	44.9	13.7								
G57.0	39.9	11.2								
G58.0	34.9	10.0								
G59.0	28.7	8.7								
G60.0	23.7	8.7								
G61.0	22.4	6.2								
G62.0	18.7	3.7								
G63.0	16.2	2.5								
G64.0	13.7	1.3								
G65.0	10.0	0.0								
G66.0	8.7	0.0								
G67.0	6.2	0.0								
G68.0	5.0	0.0								
G69.0	3.7	0.0								
G70.0	1.3	0.0								
G71.0	1.3	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: