

Report No.:

Test Time: 2025-05-04 11:09

Luminaire Property

Luminaire Category:

Luminaire Description: NOORLY 45 24D

Current: 0.064 A

Power Factor: 0.557

Voltage: 228.9 V

Power: 8.30 W

Photometric Results

CIE Class: Direct

Measurement Flux: 557.1 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H24.6

Vertical Diffuse Angle(50%): V24.6

Luminaire Efficacy Rating (LER): 67

Max. Intensity: 2411.45 cd

Total Rated Lamp Lumens: 557.1 lm

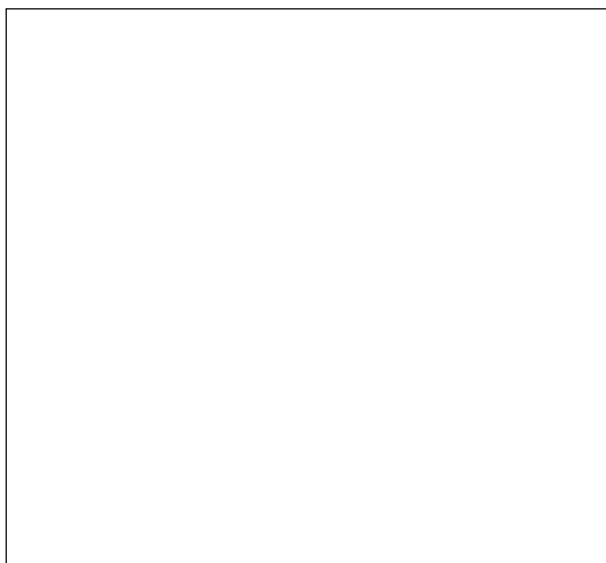
Efficiency: 100%

Upward Ratio: 0%

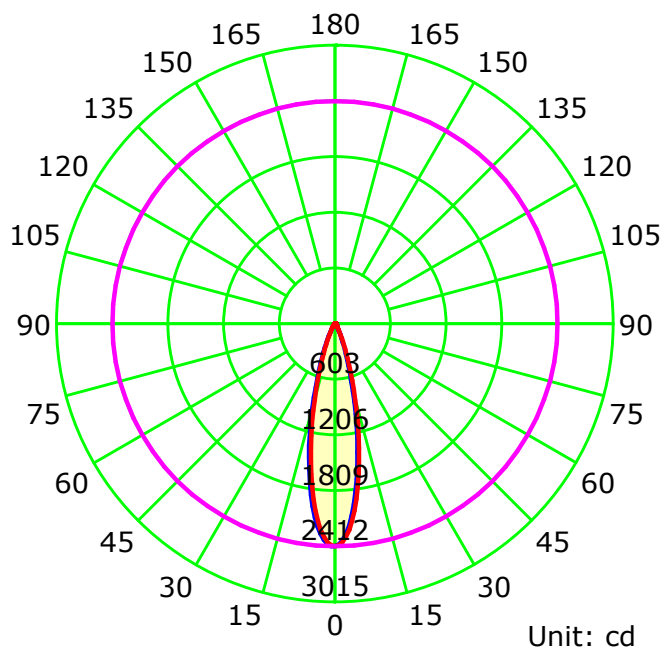
Central Intensity: 2411.45 cd

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

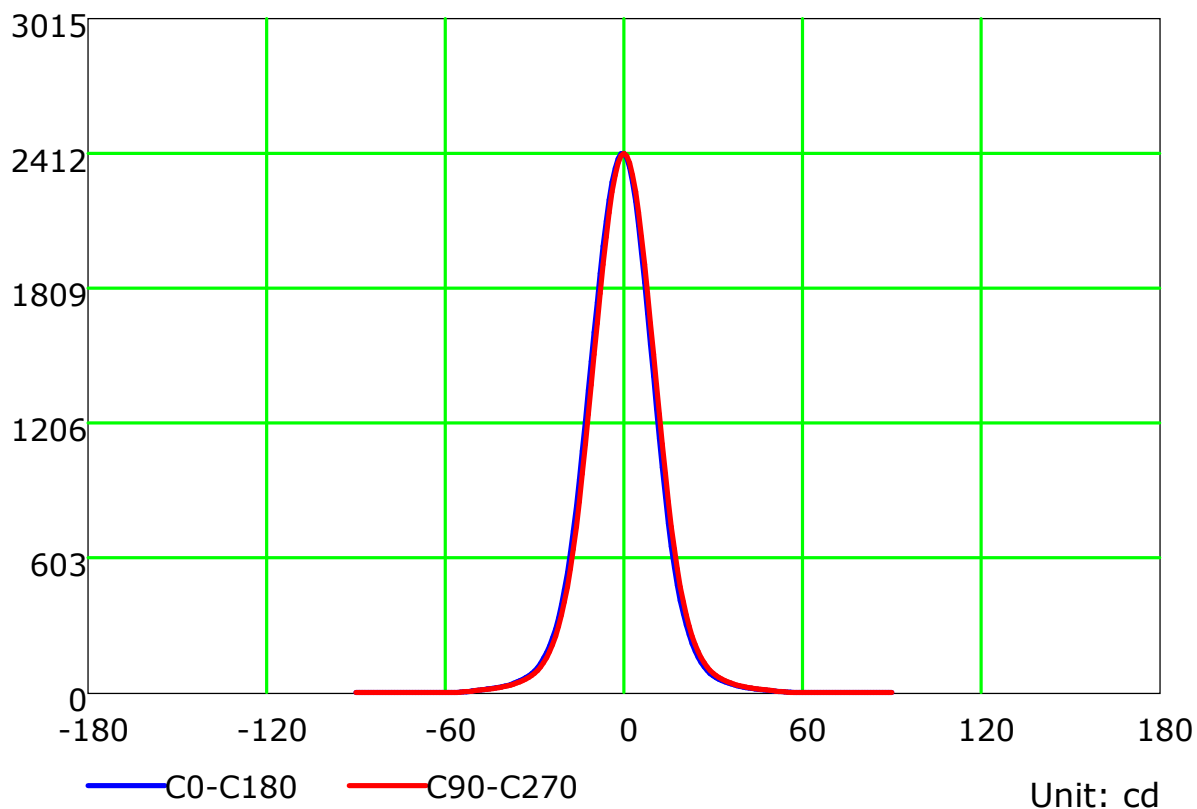
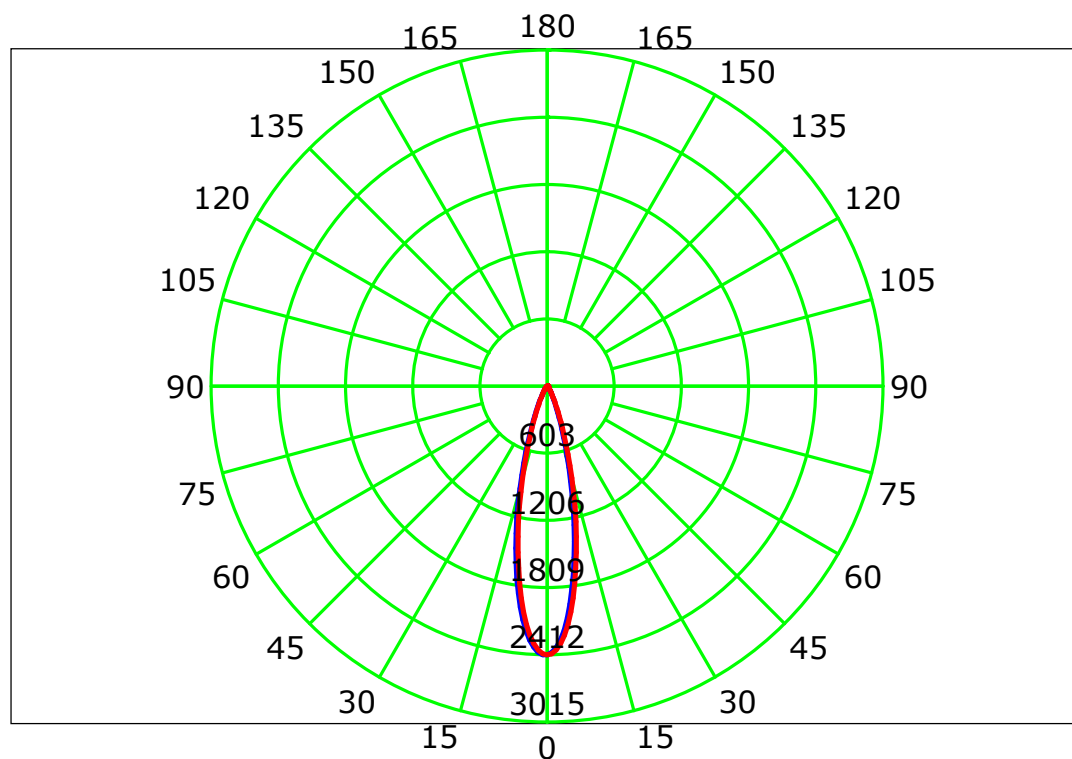
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

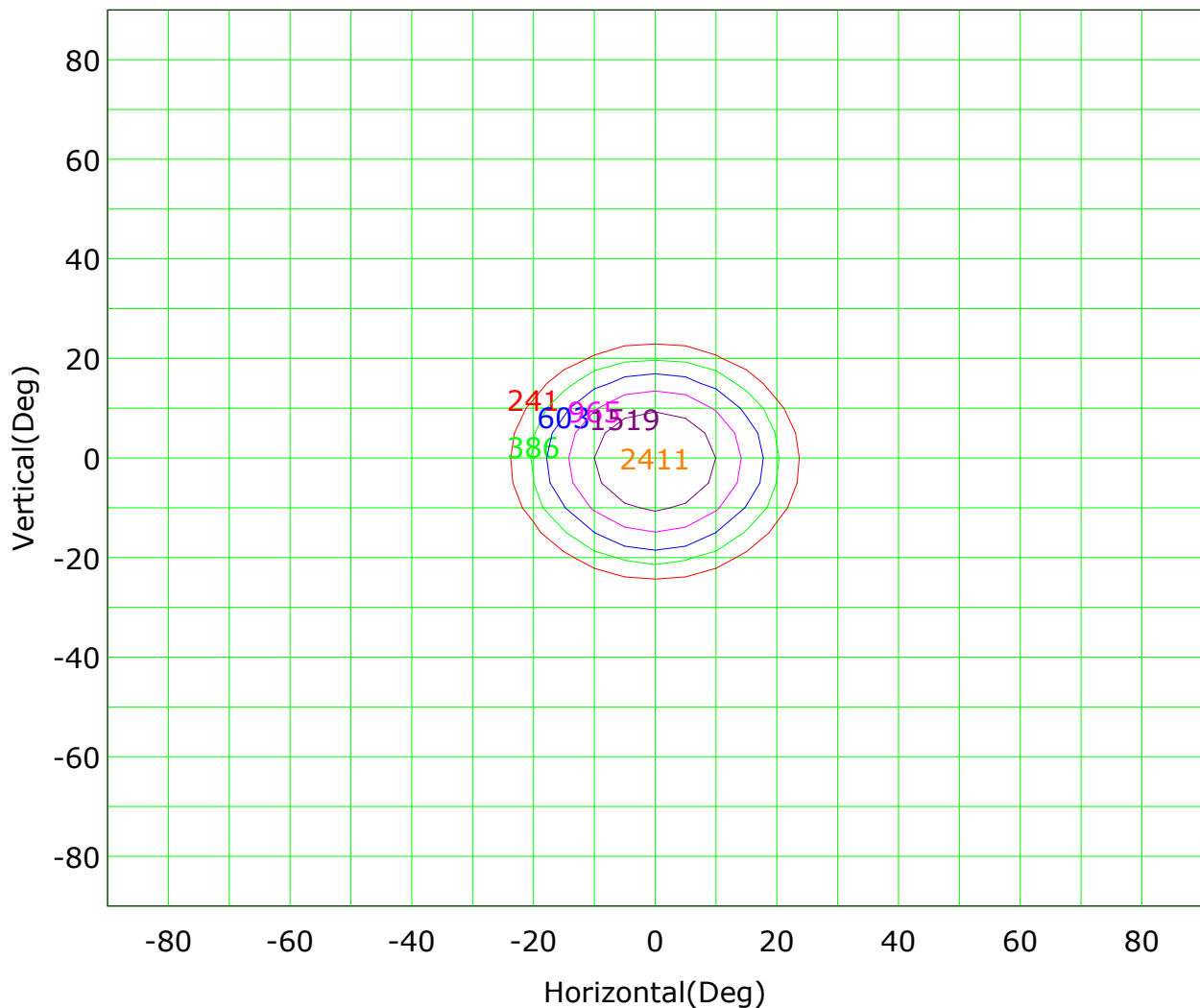
Luminous Intensity Distribution Curve



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: 3.655 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 2411 cd

(10%): 241 cd	(16%): 386 cd
(25%): 603 cd	(40%): 965 cd
(63%): 1519 cd	(100%): 2411 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

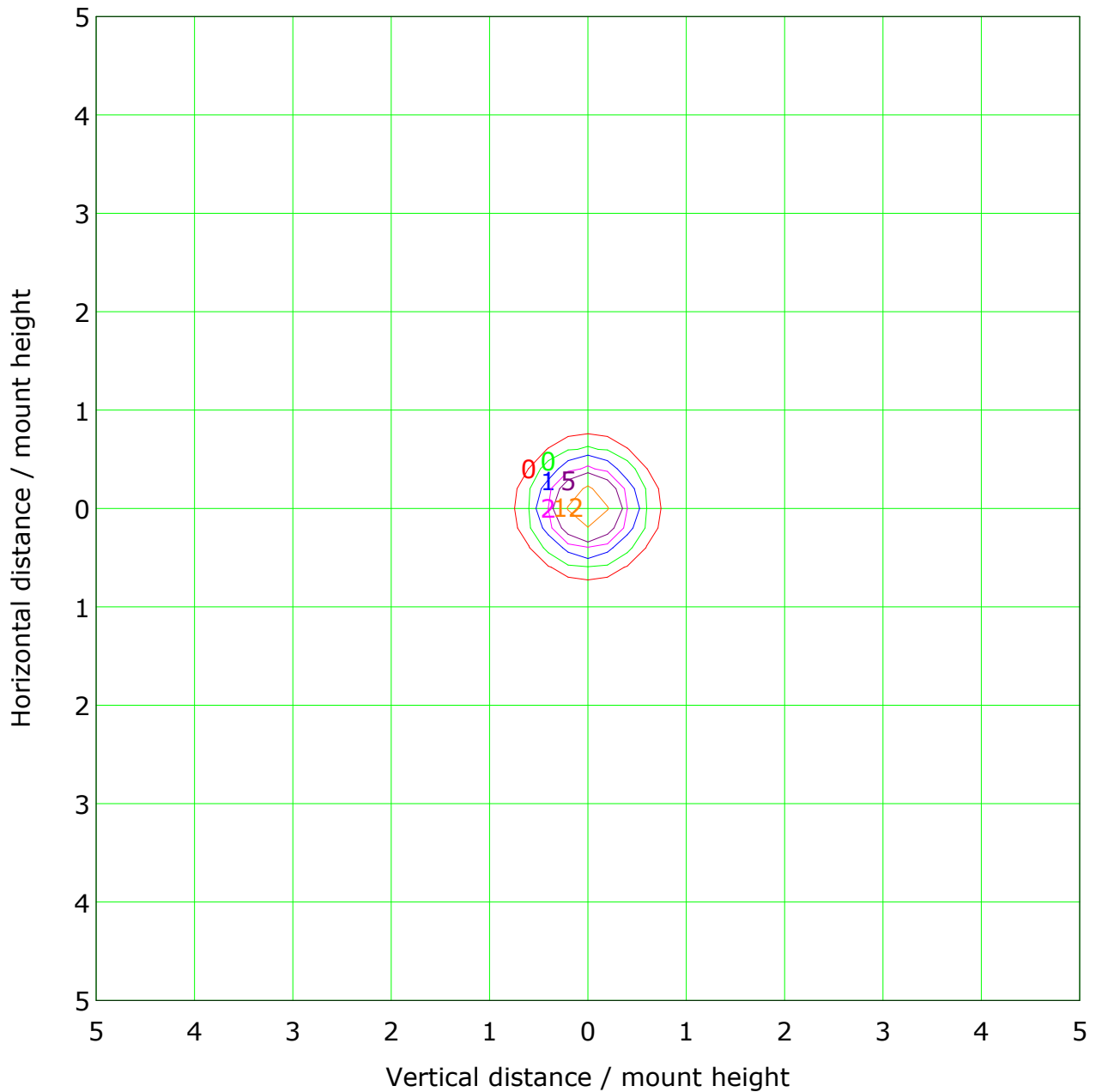
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m		Max Lux(100%): 24 lx	
(1%):	0 lx	(2%):	0 lx
(5%):	1 lx	(10%):	2 lx
(20%):	5 lx	(50%):	12 lx
(100%):	24 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

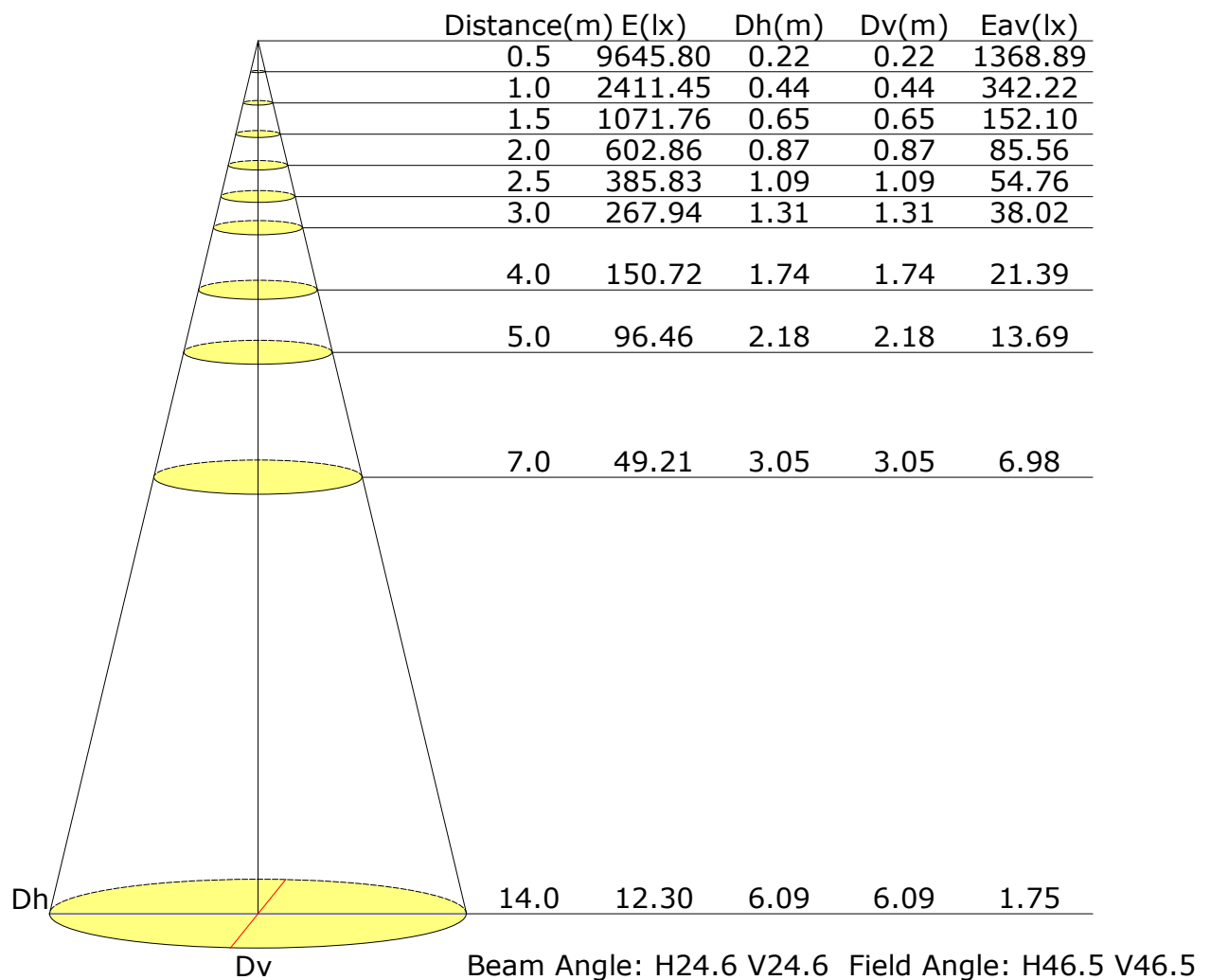
Test Device: CHL-6E

Distance: 3.655 m

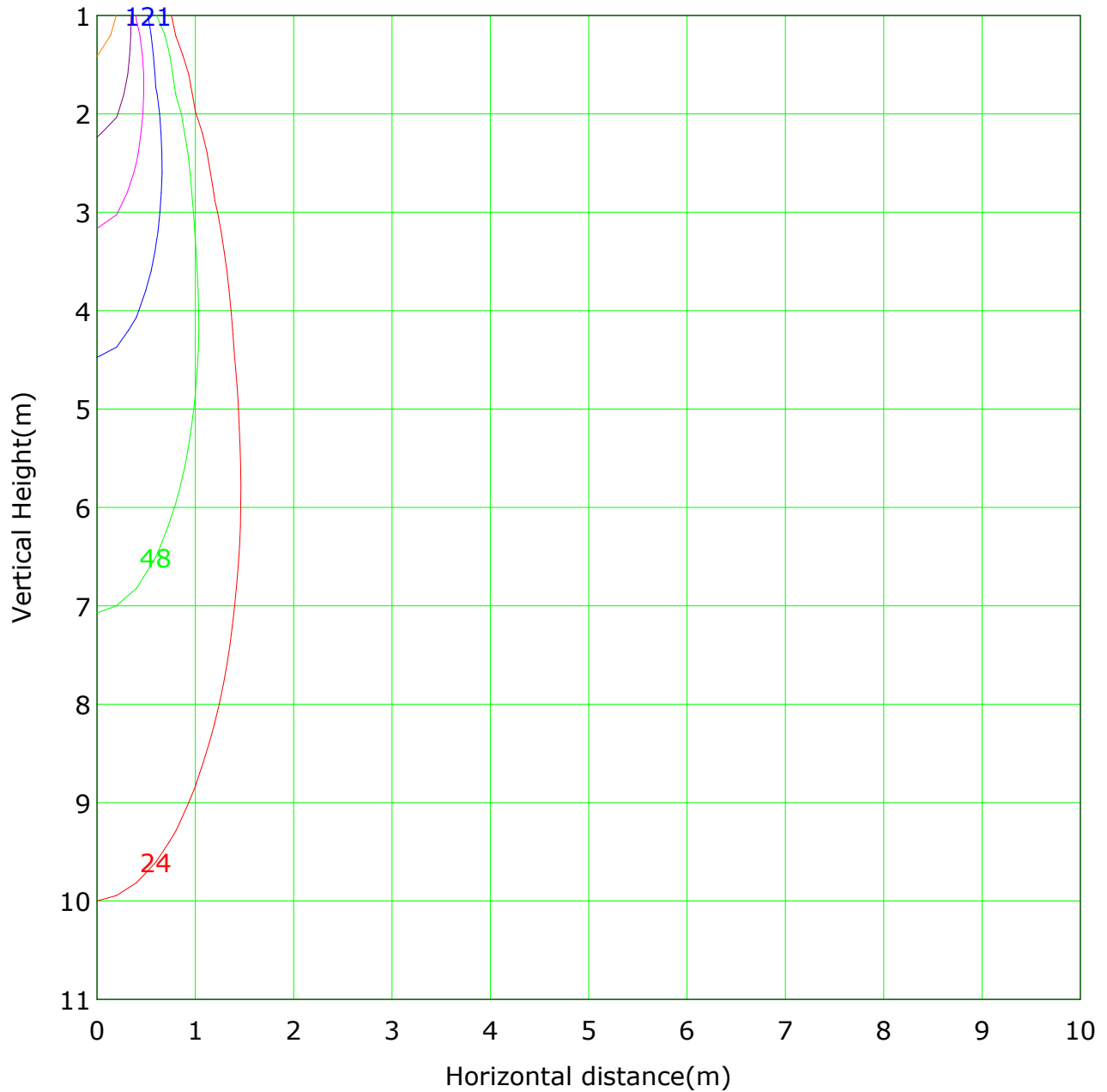
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1m Highest(m): 11 Max Lux: 2411

(1%): 24 lx	(2%): 48 lx
(5%): 121 lx	(10%): 241 lx
(20%): 482 lx	(50%): 1206 lx
(100%): 2411 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

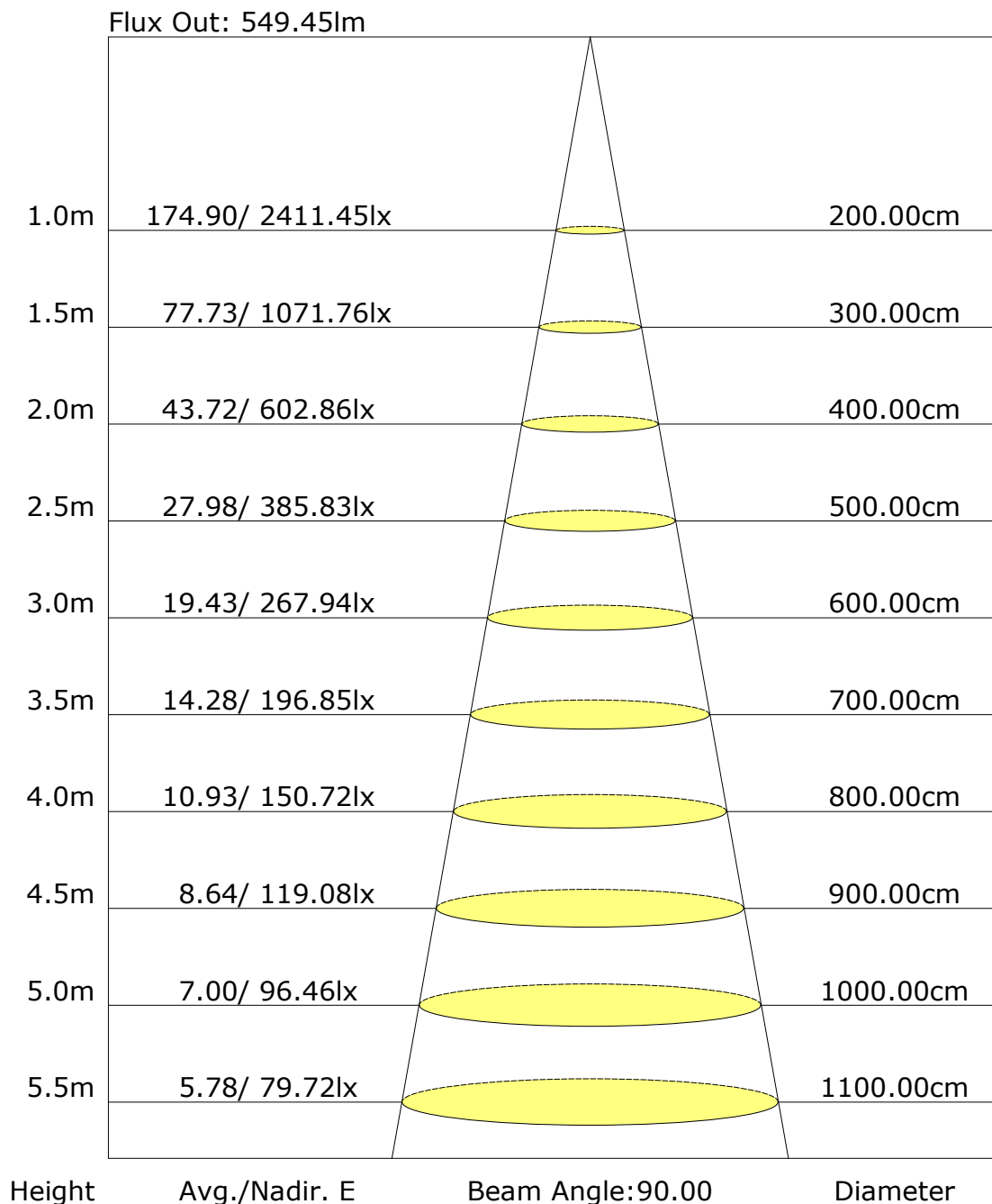
Test Device: CHL-6E

Distance: 3.655 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: 3.655 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	2406.3	2.3	2.3	0.41	0.41
1.0-2.0	2384.9	6.8	9.1	1.23	1.64
2.0-3.0	2341.6	11.2	20.3	2.01	3.65
3.0-4.0	2277.4	15.2	35.6	2.74	6.39
4.0-5.0	2193.5	18.9	54.5	3.39	9.78
5.0-6.0	2092.5	22.0	76.5	3.95	13.72
6.0-7.0	1977.0	24.5	101.0	4.41	18.13
7.0-8.0	1851.2	26.5	127.5	4.76	22.89
8.0-9.0	1718.9	27.9	155.4	5.00	27.89
9.0-10.0	1582.5	28.6	184.0	5.14	33.03
10.0-11.0	1445.0	28.9	212.9	5.18	38.21
11.0-12.0	1310.5	28.7	241.5	5.14	43.36
12.0-13.0	1178.1	28.0	269.5	5.02	48.37
13.0-14.0	1045.0	26.8	296.2	4.80	53.18
14.0-15.0	916.5	25.2	321.4	4.52	57.69
15.0-16.0	798.7	23.4	344.8	4.20	61.90
16.0-17.0	692.3	21.6	366.4	3.87	65.77
17.0-18.0	597.4	19.7	386.1	3.54	69.30
18.0-19.0	513.4	17.9	403.9	3.21	72.51
19.0-20.0	439.8	16.1	420.0	2.89	75.40
20.0-21.0	376.2	14.4	434.5	2.59	77.99
21.0-22.0	321.6	12.9	447.4	2.32	80.31
22.0-23.0	274.5	11.5	458.9	2.07	82.38
23.0-24.0	233.6	10.2	469.1	1.83	84.21
24.0-25.0	199.1	9.1	478.2	1.63	85.84
25.0-26.0	170.4	8.0	486.2	1.44	87.28
26.0-27.0	145.8	7.1	493.4	1.28	88.56
27.0-28.0	124.7	6.3	499.7	1.13	89.70
28.0-29.0	106.9	5.6	505.3	1.00	90.70
29.0-30.0	92.5	5.0	510.3	0.90	91.60
30.0-31.0	81.2	4.5	514.8	0.81	92.41
31.0-32.0	71.9	4.1	518.9	0.74	93.15
32.0-33.0	64.1	3.8	522.7	0.68	93.82
33.0-34.0	57.3	3.5	526.2	0.62	94.45
34.0-35.0	51.4	3.2	529.4	0.57	95.02
35.0-36.0	45.9	2.9	532.3	0.52	95.54

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: 3.655 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	40.8	2.7	534.9	0.48	96.02
37.0-38.0	36.1	2.4	537.3	0.43	96.45
38.0-39.0	32.1	2.2	539.5	0.39	96.85
39.0-40.0	28.8	2.0	541.5	0.36	97.21
40.0-41.0	25.9	1.8	543.4	0.33	97.54
41.0-42.0	23.4	1.7	545.1	0.31	97.84
42.0-43.0	21.2	1.6	546.7	0.28	98.13
43.0-44.0	19.2	1.4	548.1	0.26	98.39
44.0-45.0	17.4	1.3	549.5	0.24	98.63
45.0-46.0	15.8	1.2	550.7	0.22	98.85
46.0-47.0	14.3	1.1	551.8	0.20	99.05
47.0-48.0	12.7	1.0	552.9	0.18	99.24
48.0-49.0	11.0	0.9	553.8	0.16	99.40
49.0-50.0	9.5	0.8	554.6	0.14	99.54
50.0-51.0	7.8	0.7	555.2	0.12	99.66
51.0-52.0	6.3	0.5	555.7	0.10	99.76
52.0-53.0	4.9	0.4	556.2	0.08	99.84
53.0-54.0	3.8	0.3	556.5	0.06	99.89
54.0-55.0	2.8	0.2	556.8	0.04	99.94
55.0-56.0	1.9	0.2	556.9	0.03	99.97
56.0-57.0	1.2	0.1	557.0	0.02	99.99
57.0-58.0	0.6	0.1	557.1	0.01	100.00
58.0-59.0	0.1	0.0	557.1	0.00	100.00
59.0-60.0	0.0	0.0	557.1	0.00	100.00
60.0-61.0	0.0	0.0	557.1	0.00	100.00
61.0-62.0	0.0	0.0	557.1	0.00	100.00
62.0-63.0	0.0	0.0	557.1	0.00	100.00
63.0-64.0	0.0	0.0	557.1	0.00	100.00
64.0-65.0	0.0	0.0	557.1	0.00	100.00
65.0-66.0	0.0	0.0	557.1	0.00	100.00
66.0-67.0	0.0	0.0	557.1	0.00	100.00
67.0-68.0	0.0	0.0	557.1	0.00	100.00
68.0-69.0	0.0	0.0	557.1	0.00	100.00
69.0-70.0	0.0	0.0	557.1	0.00	100.00
70.0-71.0	0.0	0.0	557.1	0.00	100.00
71.0-72.0	0.0	0.0	557.1	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: 3.655 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.655 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	2411.4	2411.4								
G1.0	2392.0	2410.3								
G2.0	2349.6	2387.8								
G3.0	2284.8	2344.4								
G4.0	2197.0	2283.3								
G5.0	2089.6	2203.9								
G6.0	1967.8	2108.5								
G7.0	1834.8	1997.1								
G8.0	1697.3	1875.5								
G9.0	1558.4	1744.5								
G10.0	1416.1	1611.1								
G11.0	1271.5	1481.6								
G12.0	1136.7	1352.3								
G13.0	1007.8	1215.5								
G14.0	876.6	1080.2								
G15.0	757.4	951.8								
G16.0	653.2	832.4								
G17.0	560.8	723.0								
G18.0	480.8	624.9								
G19.0	411.9	535.8								
G20.0	352.6	458.8								
G21.0	302.3	391.0								
G22.0	259.6	333.5								
G23.0	220.1	284.7								
G24.0	185.7	243.8								
G25.0	157.8	209.0								
G26.0	134.9	179.7								
G27.0	115.0	153.6								
G28.0	98.8	131.2								
G29.0	85.5	112.2								
G30.0	75.5	97.0								
G31.0	67.1	85.1								
G32.0	59.9	75.5								
G33.0	53.5	67.4								
G34.0	48.4	60.0								
G35.0	43.4	53.8								
G36.0	38.8	47.6								

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: 3.655 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	34.6	42.1								
G38.0	30.7	37.1								
G39.0	27.7	32.8								
G40.0	25.0	29.5								
G41.0	22.8	26.5								
G42.0	20.5	24.0								
G43.0	18.7	21.6								
G44.0	16.9	19.6								
G45.0	15.4	17.8								
G46.0	14.2	15.9								
G47.0	12.9	14.2								
G48.0	11.2	12.4								
G49.0	9.7	10.8								
G50.0	8.4	9.0								
G51.0	6.6	7.3								
G52.0	5.4	5.7								
G53.0	4.5	4.2								
G54.0	3.1	3.3								
G55.0	2.4	2.3								
G56.0	1.5	1.4								
G57.0	1.0	0.8								
G58.0	0.2	0.3								
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:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

Unit: cd

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.655 m
Humidity:
Inspector: