

Report No.:

Test Time: 2025-05-09 14:33

Luminaire Property

Luminaire Category:

Luminaire Description: MINI PRO 38 50D

Current: 0.065 A

Power Factor: 0.506

Voltage: 230.1 V

Power: 7.60 W

Photometric Results

CIE Class: Direct

Measurement Flux: 550.9 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H45.1

Vertical Diffuse Angle(50%): V45.1

Luminaire Efficacy Rating (LER): 72

Max. Intensity: 817.45 cd

Total Rated Lamp Lumens: 550.9 lm

Efficiency: 100%

Upward Ratio: 0%

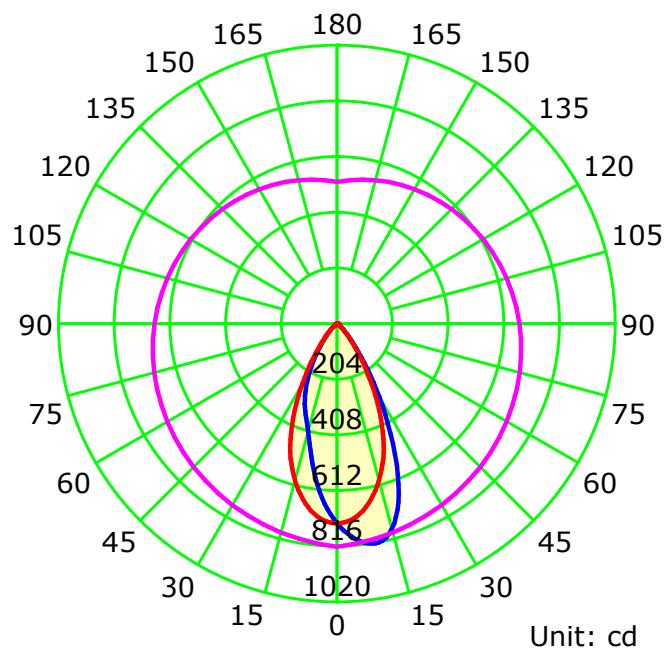
Central Intensity: 731.94 cd

Pos of Max. Intensity: H0 V10

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G10

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

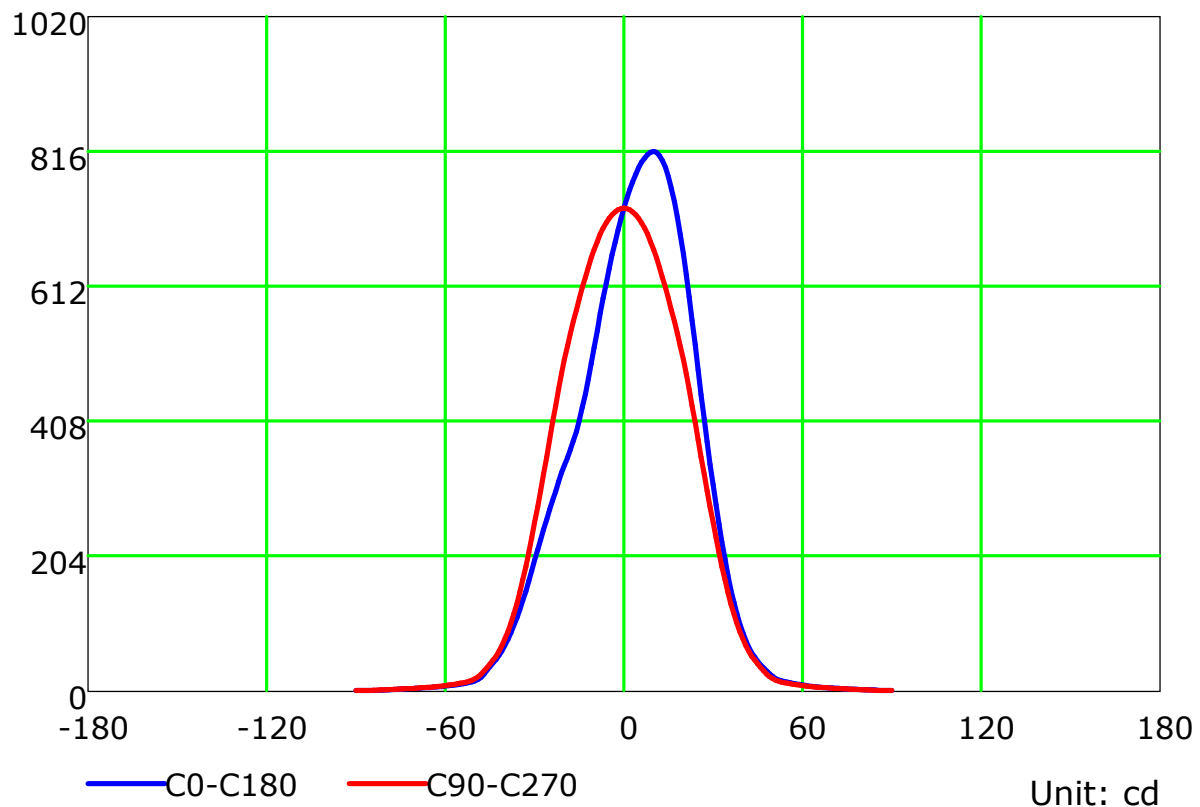
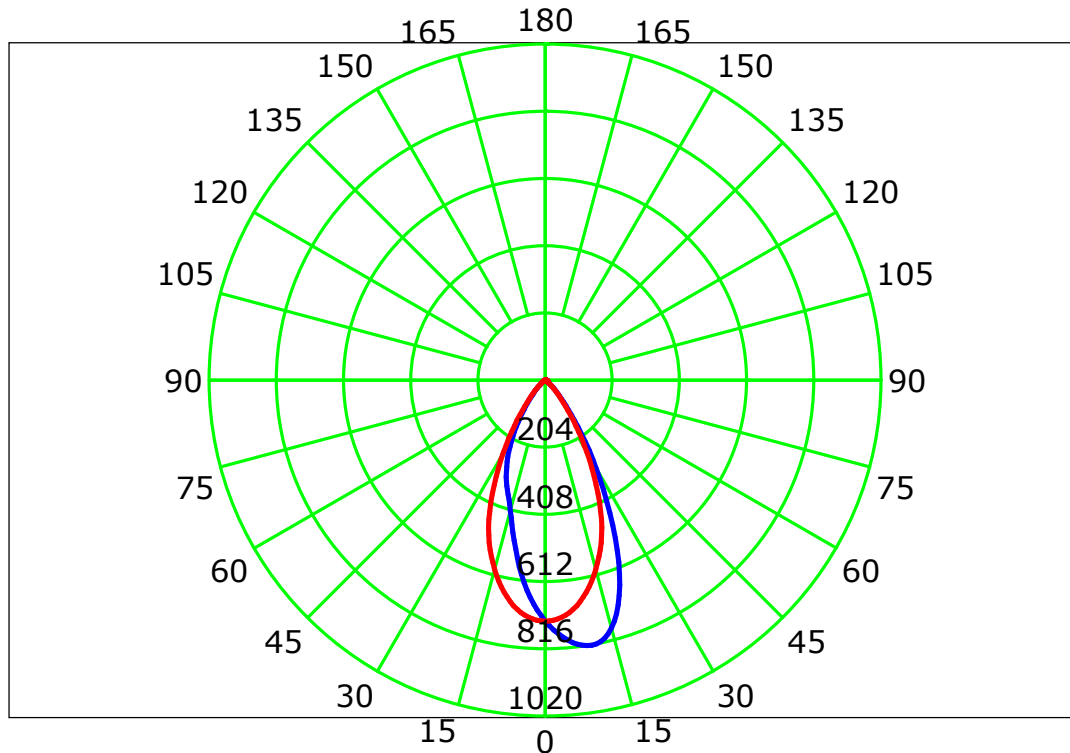
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

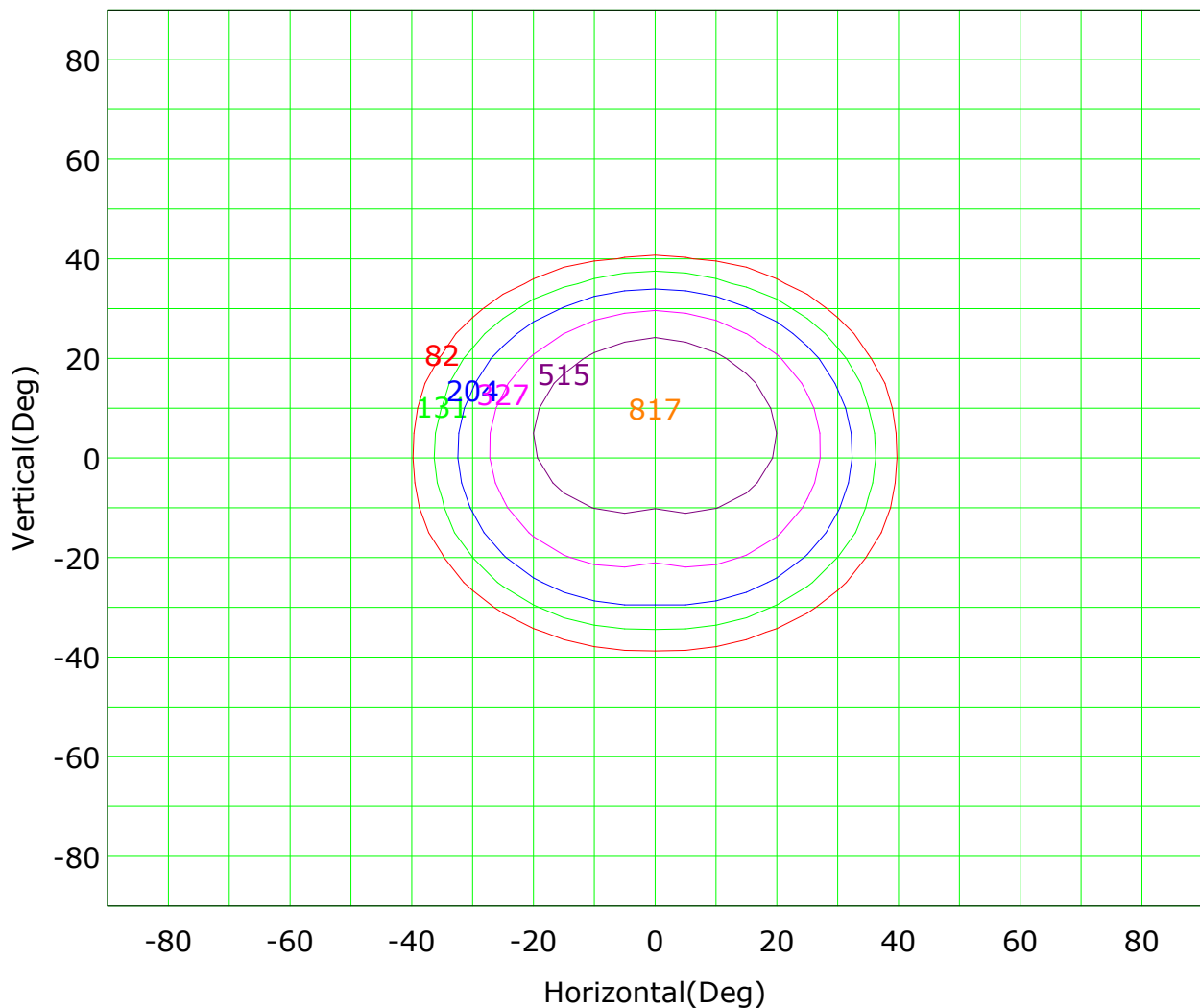
Luminous Intensity Distribution Curve



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%): 817 cd

(10%):	82 cd	(16%):	131 cd
(25%):	204 cd	(40%):	327 cd
(63%):	515 cd	(100%):	817 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

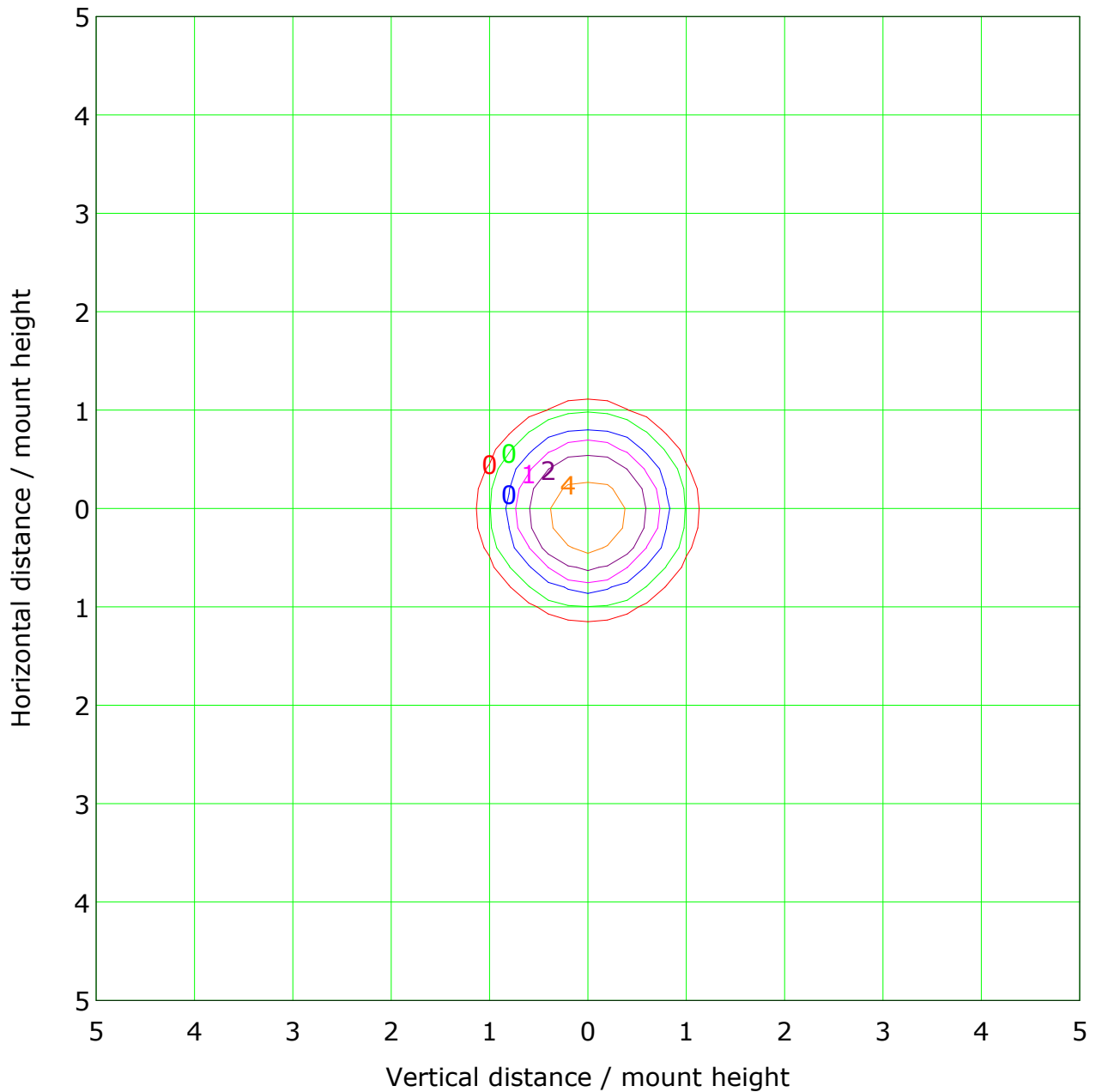
Test Device: CHL-6E

Distance: 3.655 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 8 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	0 lx	— (10%):	1 lx
— (20%):	2 lx	— (50%):	4 lx
— (100%):	8 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

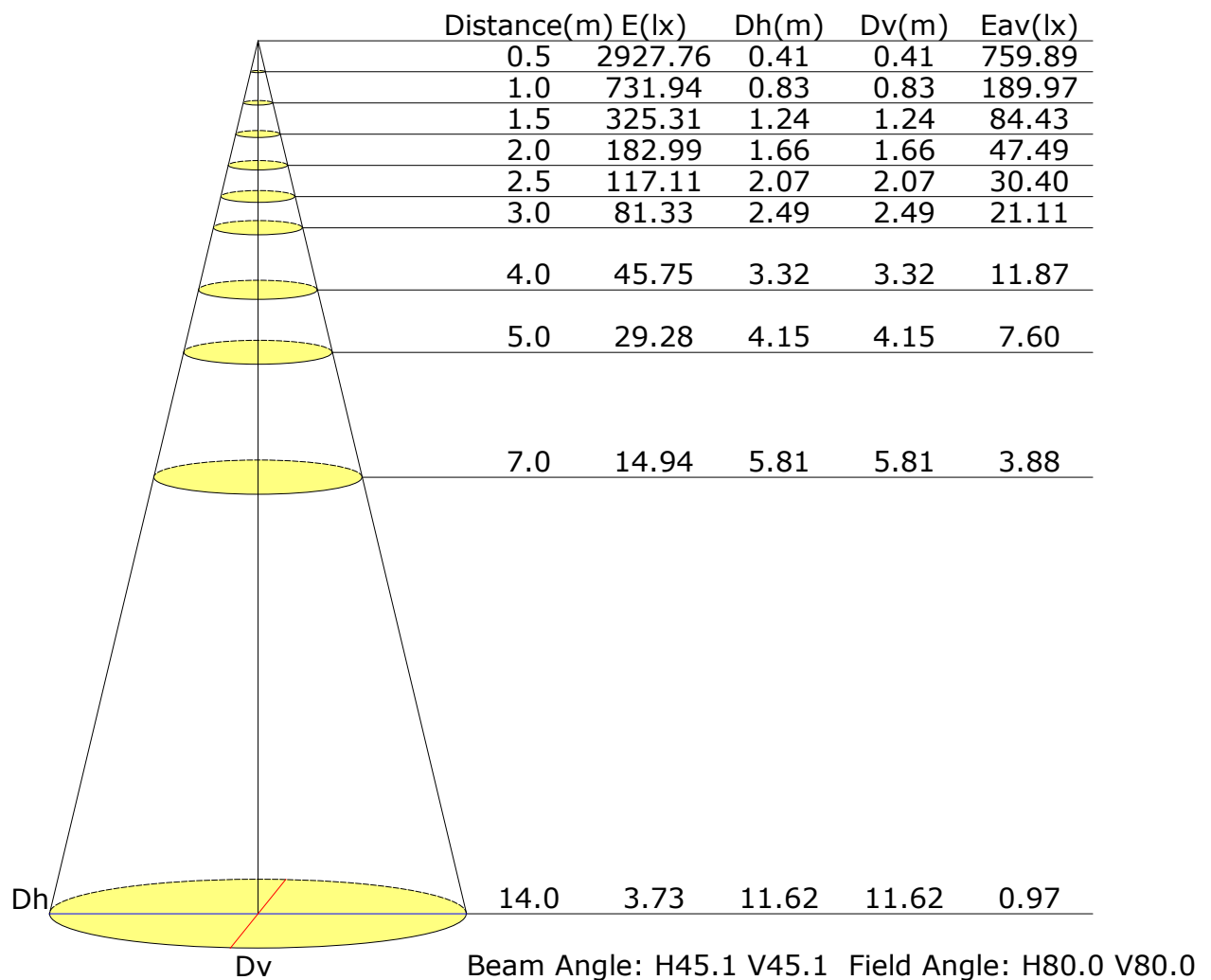
Test Device: CHL-6E

Distance: 3.655 m

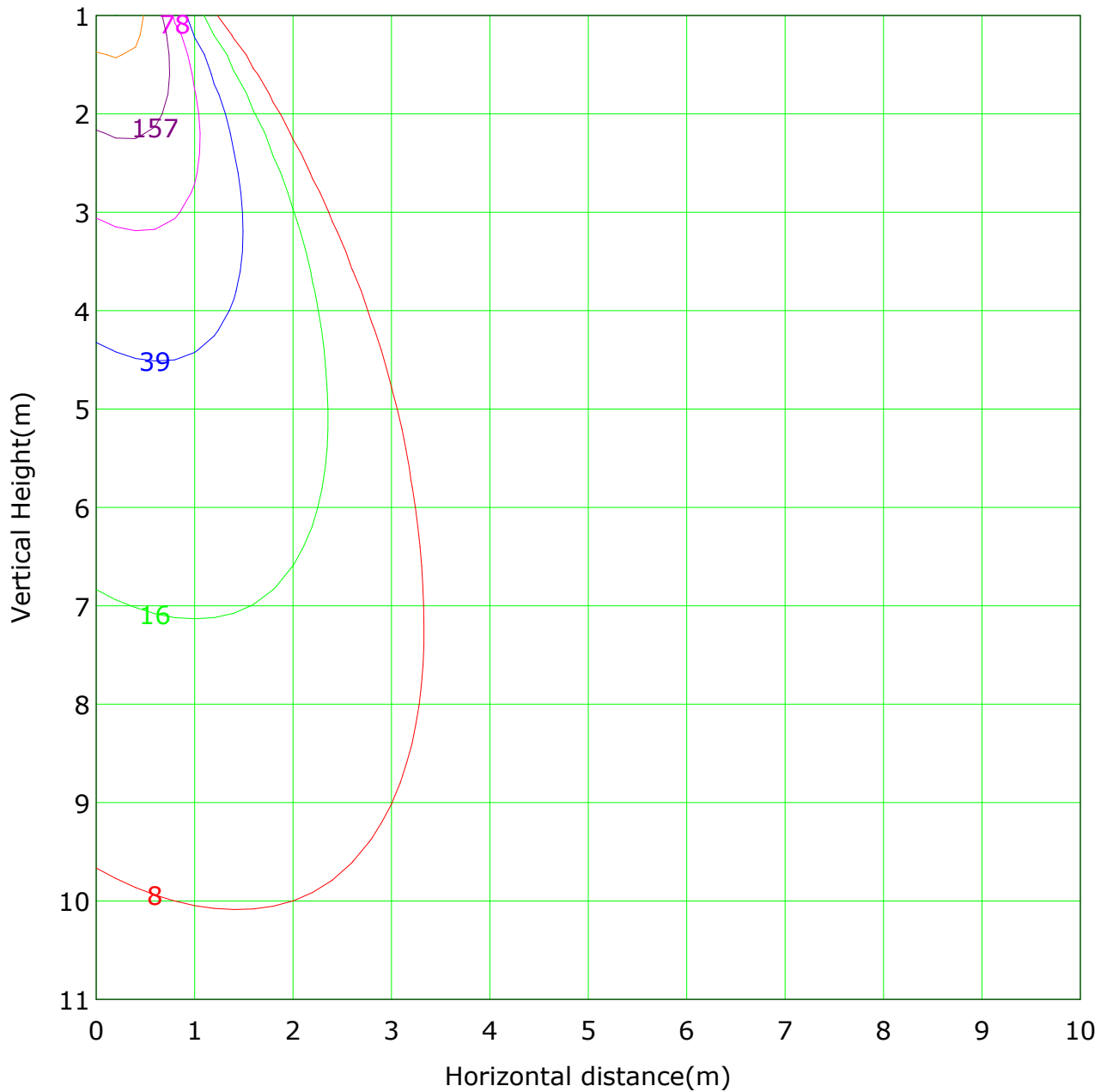
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

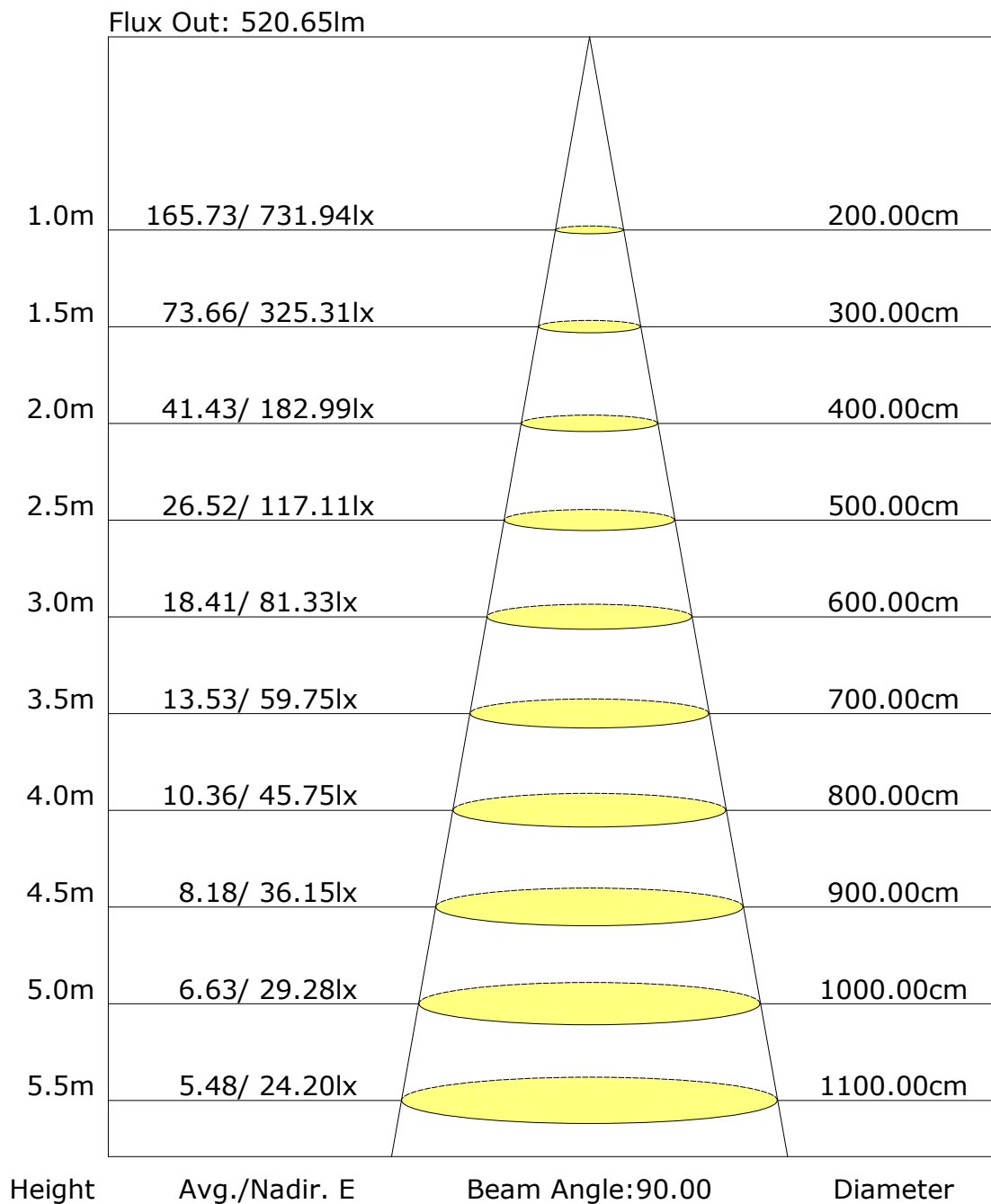


Lowest(m): 1m Highest(m): 11 Max Lux: 783	
(1%): 8 lx	(2%): 16 lx
(5%): 39 lx	(10%): 78 lx
(20%): 157 lx	(50%): 392 lx
(100%): 783 lx	

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	731.4	0.7	0.7	0.13	0.13
1.0-2.0	730.0	2.1	2.8	0.38	0.51
2.0-3.0	727.4	3.5	6.3	0.63	1.14
3.0-4.0	723.7	4.8	11.1	0.88	2.02
4.0-5.0	719.0	6.2	17.3	1.12	3.14
5.0-6.0	712.8	7.5	24.8	1.36	4.50
6.0-7.0	705.4	8.8	33.6	1.59	6.09
7.0-8.0	696.9	10.0	43.5	1.81	7.90
8.0-9.0	686.6	11.1	54.7	2.02	9.92
9.0-10.0	674.7	12.2	66.9	2.22	12.14
10.0-11.0	662.5	13.2	80.1	2.40	14.54
11.0-12.0	649.2	14.2	94.3	2.58	17.12
12.0-13.0	634.6	15.1	109.4	2.73	19.85
13.0-14.0	619.3	15.9	125.2	2.88	22.73
14.0-15.0	603.2	16.6	141.8	3.01	25.74
15.0-16.0	586.1	17.2	159.0	3.12	28.86
16.0-17.0	568.8	17.7	176.7	3.22	32.07
17.0-18.0	550.9	18.2	194.8	3.30	35.37
18.0-19.0	532.1	18.5	213.4	3.36	38.73
19.0-20.0	512.3	18.8	232.1	3.40	42.13
20.0-21.0	491.3	18.9	251.0	3.42	45.56
21.0-22.0	468.7	18.8	269.8	3.42	48.98
22.0-23.0	444.2	18.6	288.5	3.38	52.36
23.0-24.0	419.0	18.3	306.8	3.33	55.69
24.0-25.0	393.3	17.9	324.7	3.25	58.94
25.0-26.0	367.2	17.3	342.0	3.15	62.08
26.0-27.0	341.3	16.7	358.7	3.03	65.12
27.0-28.0	315.8	16.0	374.7	2.90	68.02
28.0-29.0	291.0	15.2	389.9	2.76	70.78
29.0-30.0	266.8	14.4	404.3	2.61	73.40
30.0-31.0	243.3	13.5	417.9	2.46	75.86
31.0-32.0	220.6	12.6	430.5	2.30	78.15
32.0-33.0	198.9	11.7	442.2	2.13	80.28
33.0-34.0	178.2	10.8	453.0	1.96	82.24
34.0-35.0	158.6	9.9	462.9	1.79	84.02
35.0-36.0	140.5	8.9	471.8	1.62	85.65

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	124.1	8.1	479.9	1.47	87.12
37.0-38.0	109.2	7.3	487.2	1.32	88.44
38.0-39.0	95.8	6.5	493.7	1.19	89.63
39.0-40.0	83.8	5.8	499.6	1.06	90.69
40.0-41.0	73.2	5.2	504.8	0.95	91.64
41.0-42.0	64.0	4.7	509.4	0.84	92.48
42.0-43.0	56.1	4.2	513.6	0.75	93.23
43.0-44.0	49.3	3.7	517.3	0.68	93.91
44.0-45.0	43.3	3.3	520.7	0.60	94.52
45.0-46.0	37.7	3.0	523.6	0.54	95.05
46.0-47.0	32.3	2.6	526.2	0.47	95.52
47.0-48.0	27.3	2.2	528.4	0.40	95.92
48.0-49.0	23.1	1.9	530.3	0.34	96.26
49.0-50.0	19.7	1.6	531.9	0.30	96.56
50.0-51.0	17.0	1.4	533.4	0.26	96.82
51.0-52.0	15.1	1.3	534.7	0.24	97.06
52.0-53.0	13.7	1.2	535.9	0.22	97.27
53.0-54.0	12.5	1.1	537.0	0.20	97.47
54.0-55.0	11.6	1.0	538.0	0.19	97.66
55.0-56.0	10.9	1.0	539.0	0.18	97.84
56.0-57.0	10.1	0.9	539.9	0.17	98.01
57.0-58.0	9.4	0.9	540.8	0.16	98.17
58.0-59.0	8.8	0.8	541.6	0.15	98.31
59.0-60.0	8.1	0.8	542.3	0.14	98.45
60.0-61.0	7.4	0.7	543.1	0.13	98.58
61.0-62.0	6.7	0.6	543.7	0.12	98.70
62.0-63.0	6.3	0.6	544.3	0.11	98.81
63.0-64.0	5.9	0.6	544.9	0.10	98.91
64.0-65.0	5.4	0.5	545.4	0.10	99.01
65.0-66.0	5.0	0.5	545.9	0.09	99.10
66.0-67.0	4.8	0.5	546.4	0.09	99.19
67.0-68.0	4.5	0.5	546.9	0.08	99.27
68.0-69.0	4.2	0.4	547.3	0.08	99.35
69.0-70.0	3.8	0.4	547.7	0.07	99.42
70.0-71.0	3.5	0.4	548.0	0.07	99.48
71.0-72.0	3.3	0.3	548.4	0.06	99.55

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	731.9	731.9								
G1.0	746.0	715.8								
G2.0	759.5	698.8								
G3.0	771.3	680.1								
G4.0	782.7	660.7								
G5.0	792.7	639.7								
G6.0	801.3	617.5								
G7.0	807.7	594.9								
G8.0	812.8	572.2								
G9.0	816.1	545.2								
G10.0	817.4	519.9								
G11.0	816.1	496.5								
G12.0	811.6	472.7								
G13.0	804.1	450.0								
G14.0	793.5	429.6								
G15.0	779.1	410.4								
G16.0	761.9	393.1								
G17.0	741.5	378.7								
G18.0	718.0	365.5								
G19.0	692.0	353.1								
G20.0	662.5	341.6								
G21.0	630.9	330.2								
G22.0	596.9	316.7								
G23.0	561.4	302.0								
G24.0	524.4	288.3								
G25.0	486.4	274.3								
G26.0	448.6	259.6								
G27.0	412.4	244.5								
G28.0	377.4	229.1								
G29.0	343.7	213.7								
G30.0	312.1	197.7								
G31.0	281.8	181.6								
G32.0	253.1	166.1								
G33.0	225.5	150.9								
G34.0	199.6	136.7								
G35.0	174.9	123.2								
G36.0	153.2	110.7								

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: 3.655 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	133.7	98.7								
G38.0	116.5	87.8								
G39.0	101.1	77.9								
G40.0	87.8	68.6								
G41.0	76.1	60.5								
G42.0	65.9	53.6								
G43.0	57.5	47.3								
G44.0	50.8	41.8								
G45.0	44.3	36.5								
G46.0	38.9	31.1								
G47.0	34.1	25.2								
G48.0	29.6	20.4								
G49.0	25.3	17.1								
G50.0	21.4	15.0								
G51.0	18.3	13.3								
G52.0	16.5	12.4								
G53.0	14.7	11.2								
G54.0	13.6	10.5								
G55.0	12.7	9.7								
G56.0	11.8	9.1								
G57.0	10.8	8.5								
G58.0	10.0	8.1								
G59.0	9.3	7.6								
G60.0	8.5	6.9								
G61.0	7.8	6.3								
G62.0	7.0	5.8								
G63.0	6.4	5.7								
G64.0	6.0	5.4								
G65.0	5.4	4.8								
G66.0	5.1	4.6								
G67.0	4.8	4.5								
G68.0	4.8	4.0								
G69.0	4.2	3.6								
G70.0	3.9	3.4								
G71.0	3.6	3.1								
G72.0	3.4	3.0								
G73.0	3.1	2.8								

C Plane (°):0.0-180.0: 180.0
Test Lab:
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Humidity:
Inspector:

Unit: cd

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