

Report No.:91.06215 Tla Surface Mounted
Light

Test Time: 2024-10-07 19:48

Luminaire Property

Luminaire Category:

Luminaire Description:

Current: 0.031 A

Power Factor: 0.860

Voltage: 230.5 V

Power: 6.10 W

Photometric Results

CIE Class: Direct

Measurement Flux: 600.7 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H35.8

Vertical Diffuse Angle(50%): V35.8

Luminaire Efficacy Rating (LER): 98

Max. Intensity: 1157.31 cd

Total Rated Lamp Lumens: 600.7 lm

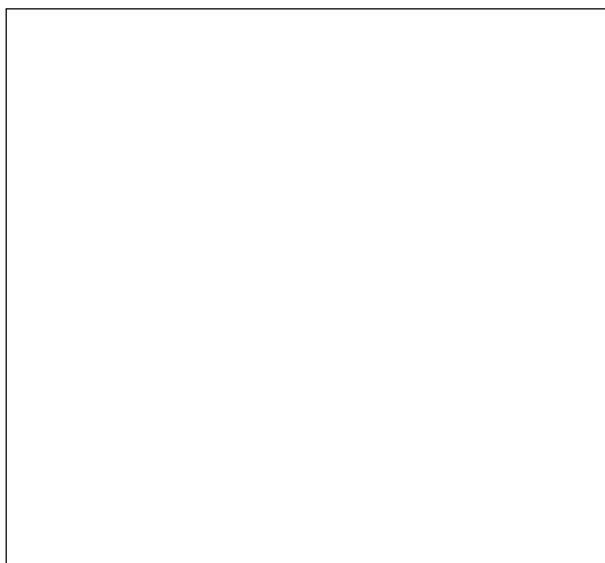
Efficiency: 100%

Upward Ratio: 0%

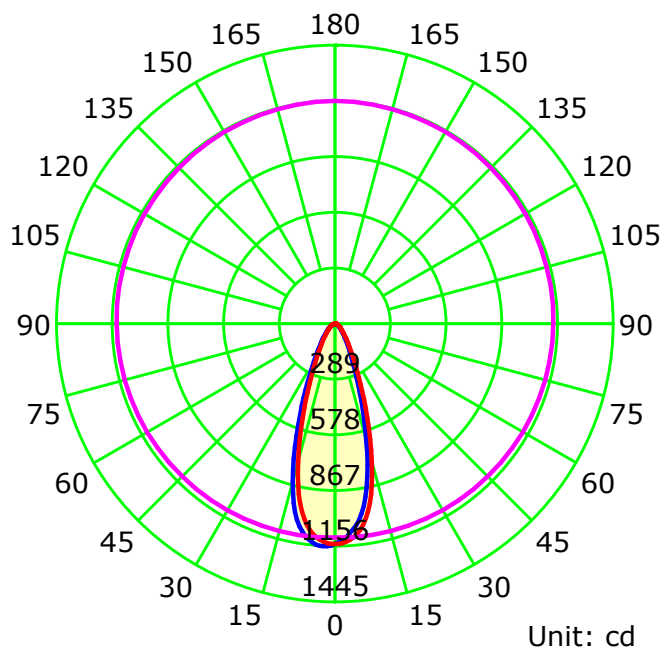
Central Intensity: 1143.89 cd

Pos of Max. Intensity: H180 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

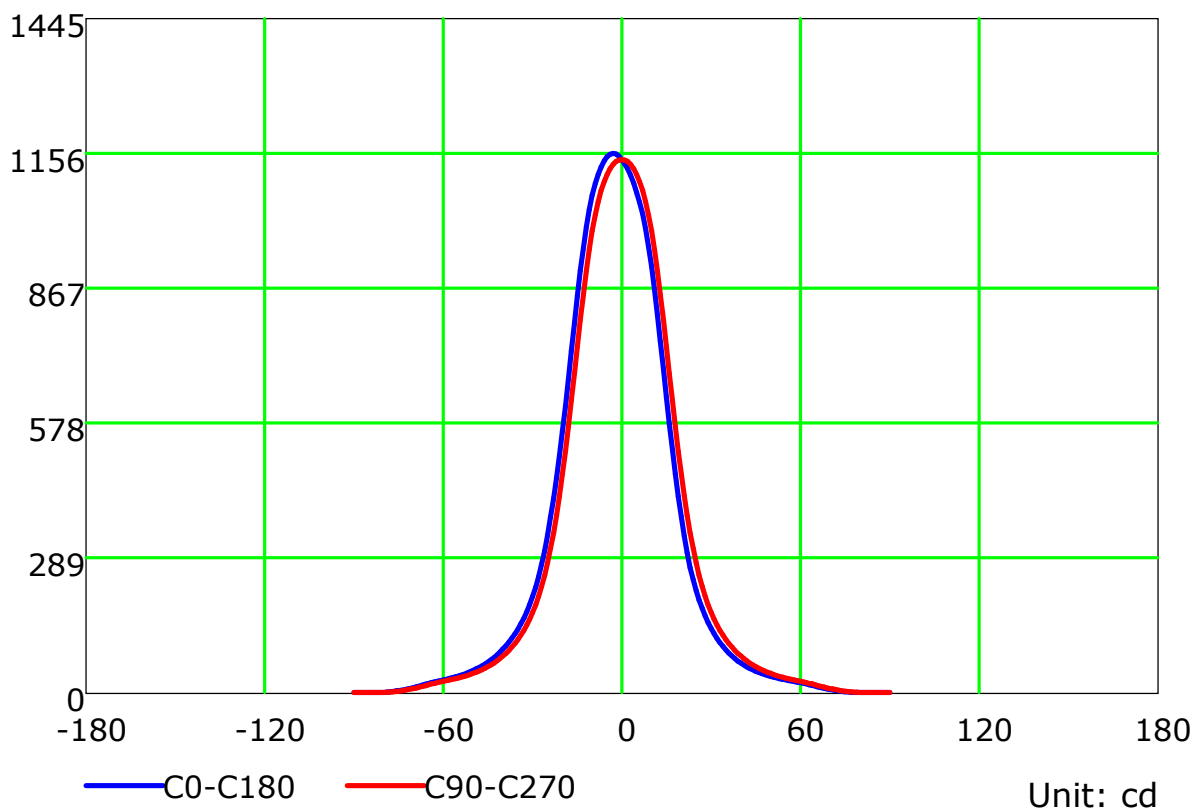
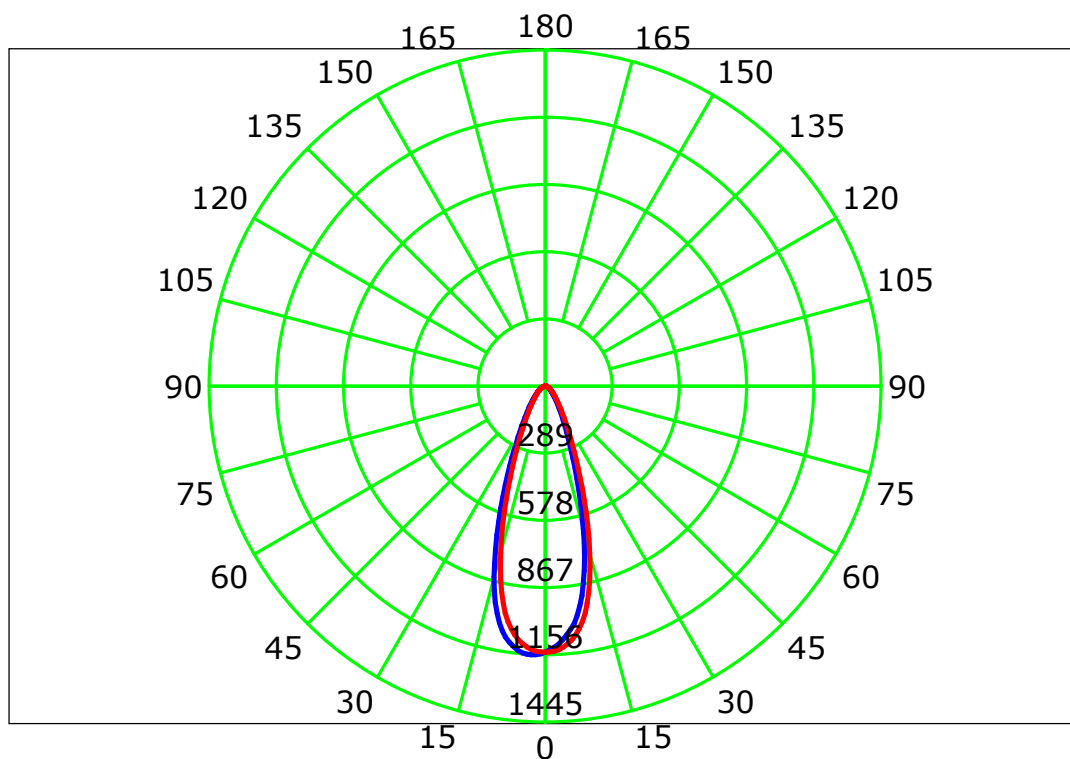
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

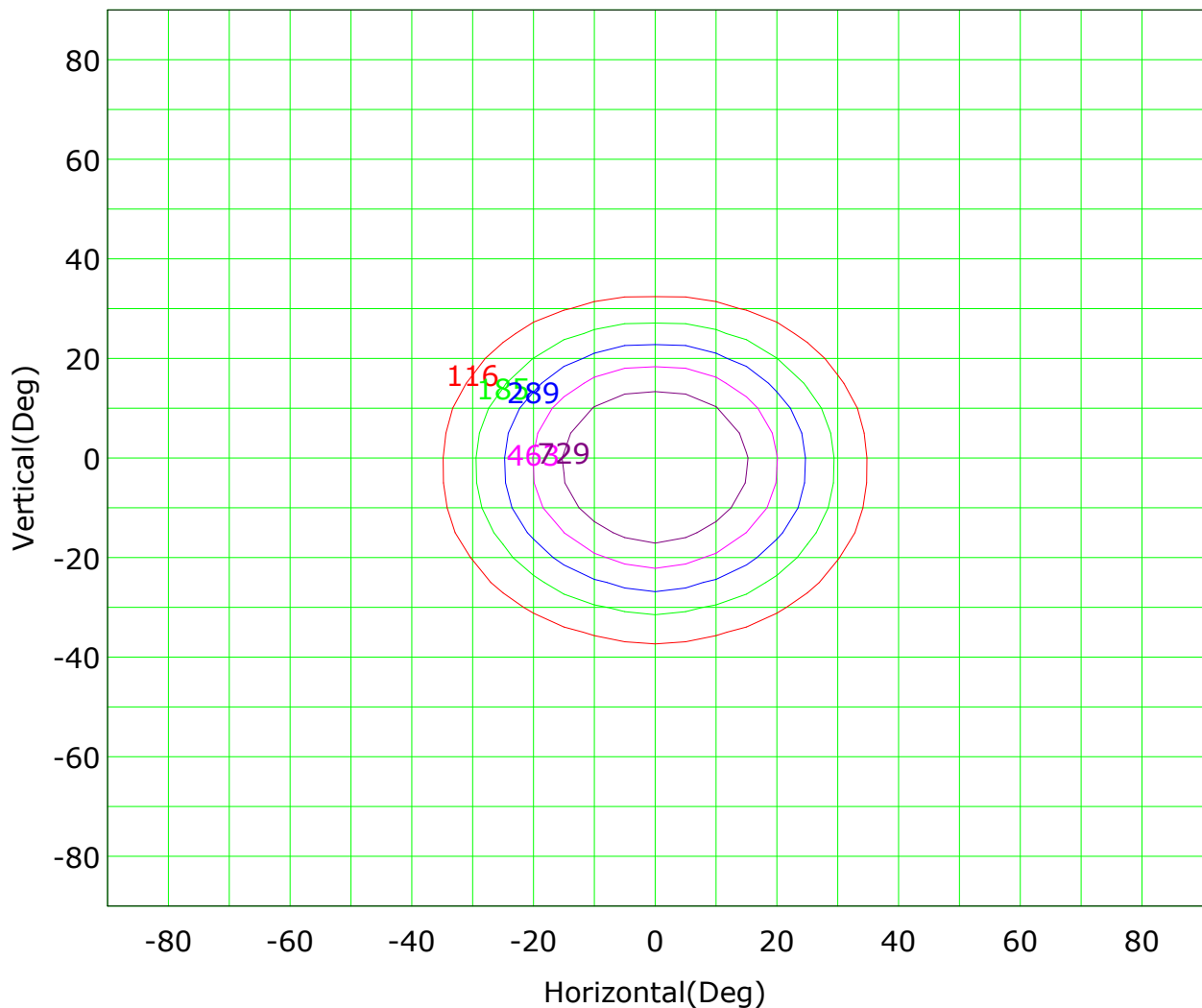
Luminous Intensity Distribution Curve



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)



Imax (100%): 1157 cd

(10%): 116 cd	(16%): 185 cd
(25%): 289 cd	(40%): 463 cd
(63%): 729 cd	(100%): 1157 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

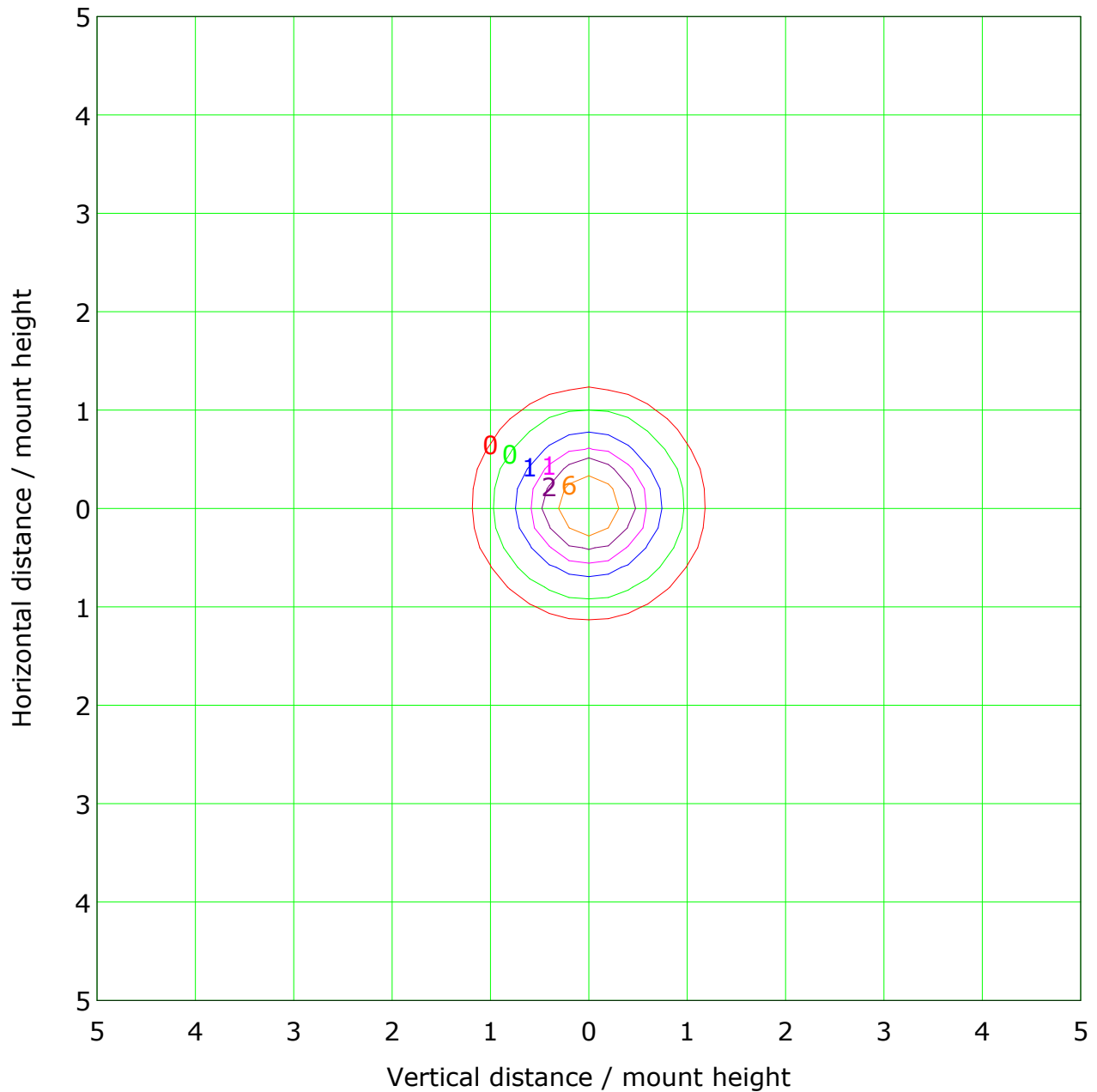
Test Device: CHL-6E

Distance: 3.328 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10m Max Lux(100%): 12 lx			
— (1%):	0 lx	— (2%):	0 lx
— (5%):	1 lx	— (10%):	1 lx
— (20%):	2 lx	— (50%):	6 lx
— (100%):	12 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

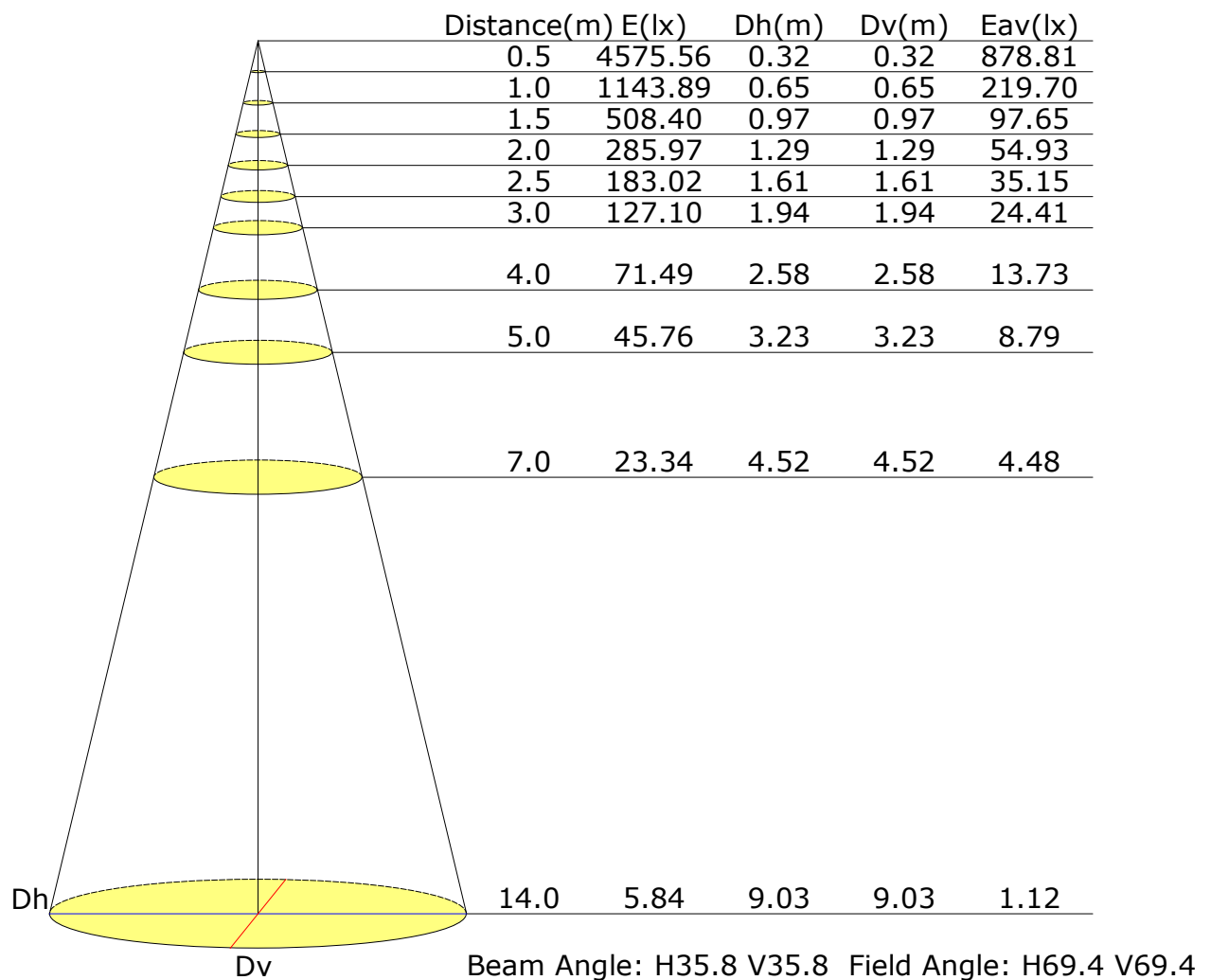
Test Device: CHL-6E

Distance: 3.328 m

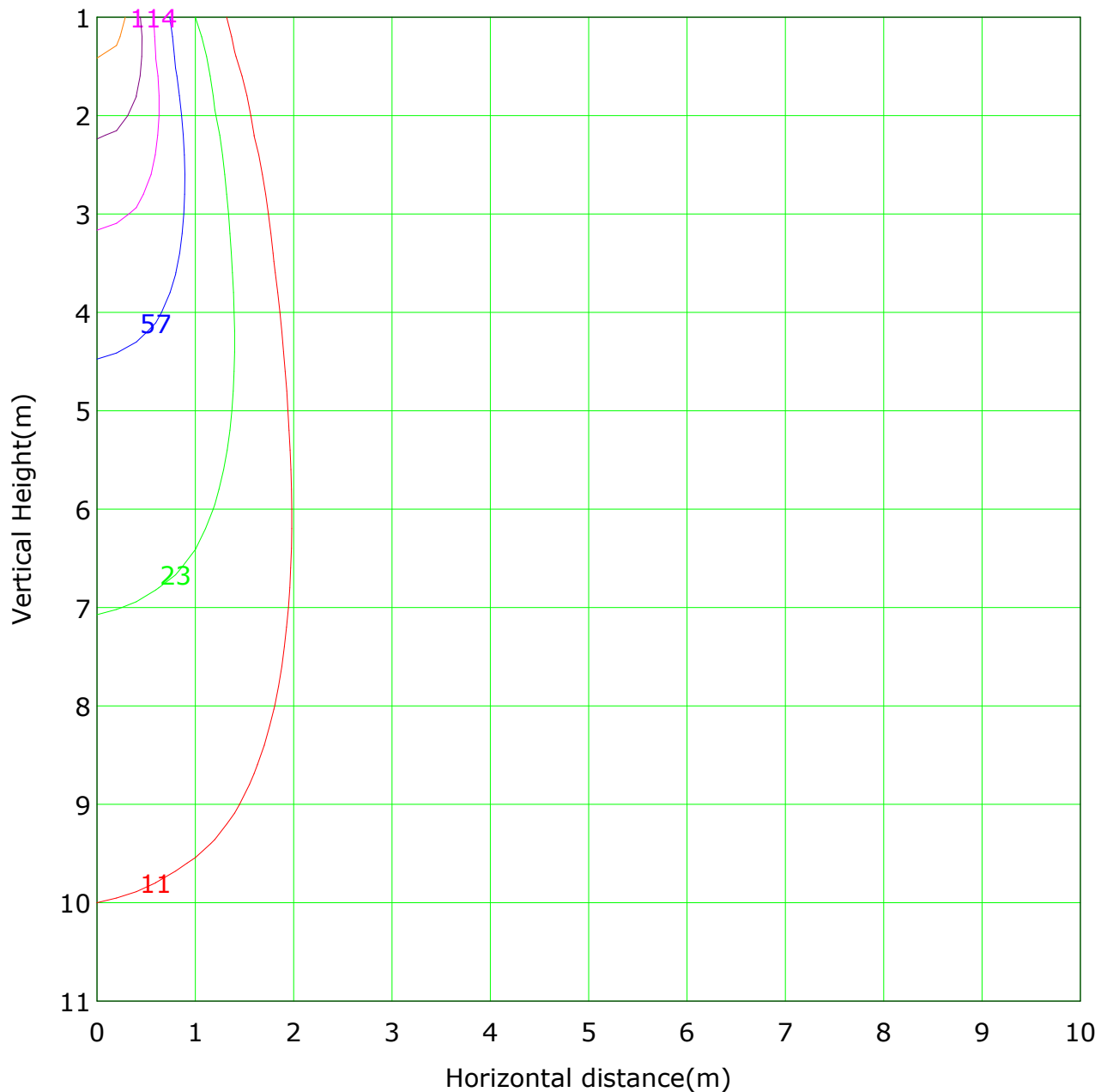
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



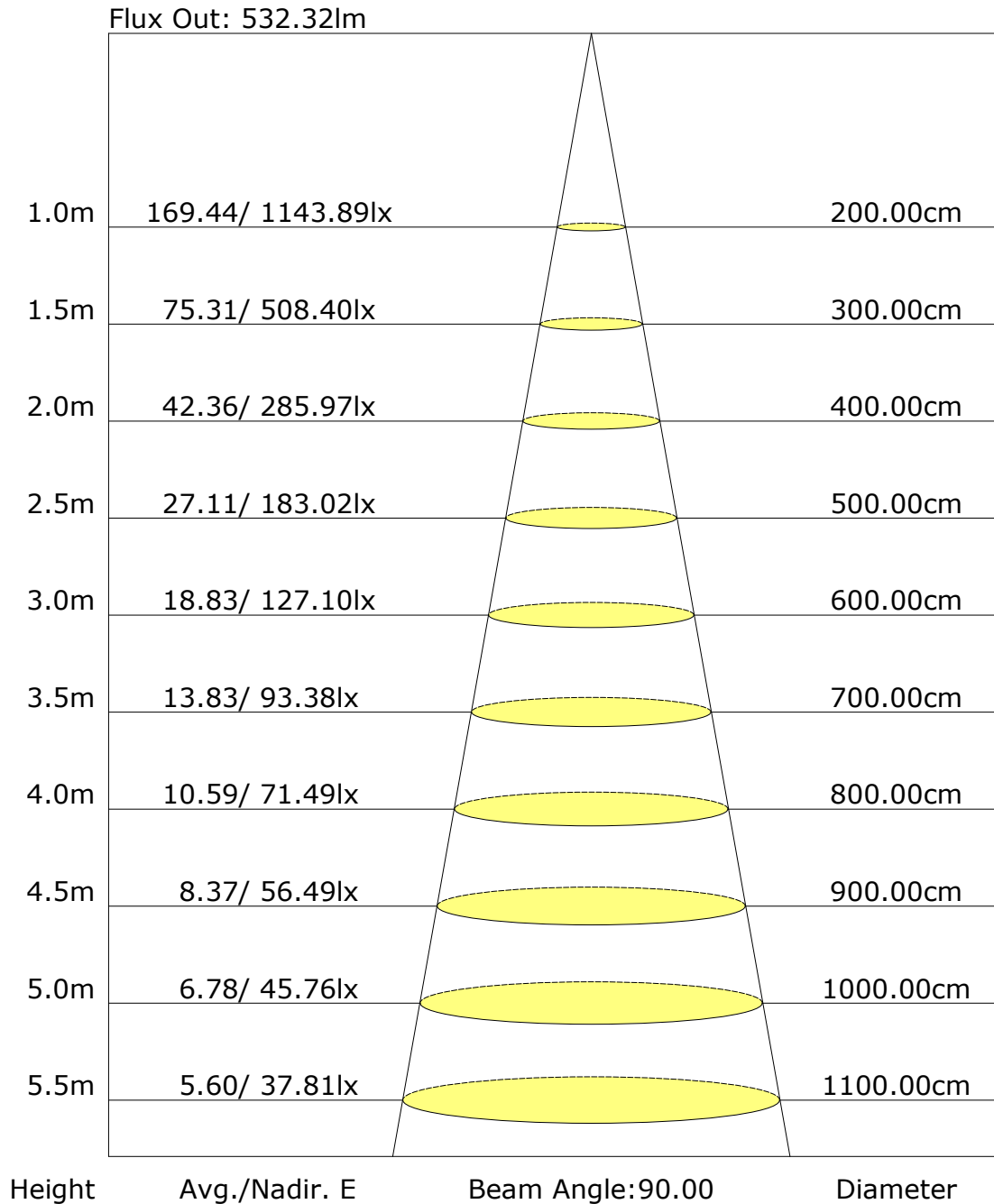
Lowest(m): 1m Highest(m): 11 Max Lux: 1144

(1%): 11 lx	(2%): 23 lx
(5%): 57 lx	(10%): 114 lx
(20%): 229 lx	(50%): 572 lx
(100%): 1144 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	1143.6	1.1	1.1	0.18	0.18
1.0-2.0	1141.8	3.3	4.4	0.55	0.73
2.0-3.0	1137.3	5.4	9.8	0.91	1.63
3.0-4.0	1129.4	7.6	17.4	1.26	2.89
4.0-5.0	1118.5	9.6	27.0	1.60	4.49
5.0-6.0	1104.9	11.6	38.6	1.93	6.43
6.0-7.0	1087.8	13.5	52.1	2.25	8.68
7.0-8.0	1066.2	15.3	67.4	2.54	11.22
8.0-9.0	1039.9	16.9	84.2	2.81	14.02
9.0-10.0	1008.4	18.3	102.5	3.04	17.06
10.0-11.0	971.0	19.4	121.9	3.23	20.29
11.0-12.0	928.1	20.3	142.2	3.38	23.67
12.0-13.0	880.0	20.9	163.1	3.48	27.14
13.0-14.0	827.4	21.2	184.2	3.53	30.67
14.0-15.0	771.7	21.2	205.4	3.53	34.20
15.0-16.0	714.3	20.9	226.4	3.48	37.68
16.0-17.0	656.3	20.4	246.8	3.40	41.09
17.0-18.0	599.4	19.8	266.6	3.29	44.38
18.0-19.0	544.8	19.0	285.5	3.16	47.53
19.0-20.0	493.3	18.1	303.6	3.01	50.54
20.0-21.0	445.2	17.1	320.7	2.85	53.38
21.0-22.0	401.4	16.1	336.8	2.69	56.07
22.0-23.0	361.9	15.2	352.0	2.53	58.60
23.0-24.0	326.3	14.3	366.3	2.37	60.97
24.0-25.0	294.3	13.4	379.7	2.23	63.20
25.0-26.0	265.5	12.5	392.2	2.09	65.29
26.0-27.0	240.0	11.7	403.9	1.96	67.24
27.0-28.0	217.7	11.0	415.0	1.84	69.08
28.0-29.0	198.0	10.4	425.3	1.73	70.80
29.0-30.0	180.6	9.8	435.1	1.62	72.43
30.0-31.0	165.1	9.2	444.3	1.53	73.96
31.0-32.0	151.5	8.7	452.9	1.45	75.40
32.0-33.0	139.4	8.2	461.2	1.37	76.77
33.0-34.0	128.4	7.8	468.9	1.29	78.06
34.0-35.0	118.5	7.4	476.3	1.22	79.29
35.0-36.0	109.5	7.0	483.3	1.16	80.45

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	101.4	6.6	489.9	1.10	81.55
37.0-38.0	94.1	6.3	496.2	1.05	82.59
38.0-39.0	87.4	6.0	502.1	0.99	83.59
39.0-40.0	81.4	5.7	507.8	0.94	84.53
40.0-41.0	75.8	5.4	513.2	0.90	85.43
41.0-42.0	70.7	5.1	518.3	0.85	86.29
42.0-43.0	66.0	4.9	523.2	0.81	87.10
43.0-44.0	61.7	4.7	527.9	0.78	87.88
44.0-45.0	57.7	4.4	532.3	0.74	88.61
45.0-46.0	54.2	4.2	536.6	0.71	89.32
46.0-47.0	50.9	4.1	540.6	0.67	89.99
47.0-48.0	47.9	3.9	544.5	0.64	90.64
48.0-49.0	45.1	3.7	548.2	0.62	91.25
49.0-50.0	42.6	3.6	551.7	0.59	91.85
50.0-51.0	40.2	3.4	555.1	0.57	92.41
51.0-52.0	38.0	3.3	558.4	0.54	92.96
52.0-53.0	36.0	3.1	561.5	0.52	93.48
53.0-54.0	34.1	3.0	564.5	0.50	93.98
54.0-55.0	32.4	2.9	567.4	0.48	94.46
55.0-56.0	30.8	2.8	570.2	0.46	94.92
56.0-57.0	29.1	2.7	572.9	0.44	95.36
57.0-58.0	27.6	2.6	575.4	0.43	95.79
58.0-59.0	26.2	2.5	577.9	0.41	96.20
59.0-60.0	24.9	2.4	580.2	0.39	96.59
60.0-61.0	23.6	2.3	582.5	0.38	96.96
61.0-62.0	22.2	2.1	584.6	0.36	97.32
62.0-63.0	20.7	2.0	586.6	0.33	97.65
63.0-64.0	19.2	1.9	588.5	0.31	97.97
64.0-65.0	17.7	1.8	590.3	0.29	98.26
65.0-66.0	16.0	1.6	591.9	0.27	98.53
66.0-67.0	14.3	1.4	593.3	0.24	98.77
67.0-68.0	12.7	1.3	594.6	0.21	98.98
68.0-69.0	11.0	1.1	595.7	0.19	99.17
69.0-70.0	9.4	1.0	596.7	0.16	99.33
70.0-71.0	8.1	0.8	597.5	0.14	99.47
71.0-72.0	6.9	0.7	598.2	0.12	99.59

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:

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	1143.9	1143.9								
G1.0	1134.9	1151.6								
G2.0	1124.8	1155.9								
G3.0	1111.1	1157.3								
G4.0	1093.6	1155.7								
G5.0	1073.6	1151.1								
G6.0	1052.9	1141.9								
G7.0	1028.1	1128.4								
G8.0	995.9	1112.5								
G9.0	958.5	1092.7								
G10.0	914.3	1067.9								
G11.0	864.7	1036.9								
G12.0	811.4	999.3								
G13.0	754.3	955.1								
G14.0	694.5	905.8								
G15.0	634.6	851.9								
G16.0	577.4	793.3								
G17.0	521.7	733.0								
G18.0	469.6	673.1								
G19.0	421.4	615.2								
G20.0	376.0	560.5								
G21.0	335.5	508.9								
G22.0	299.8	461.6								
G23.0	268.6	417.4								
G24.0	242.3	376.7								
G25.0	219.2	338.8								
G26.0	198.9	305.0								
G27.0	181.0	275.2								
G28.0	165.4	249.3								
G29.0	151.0	226.6								
G30.0	138.1	206.7								
G31.0	126.6	189.2								
G32.0	116.4	173.8								
G33.0	107.3	159.9								
G34.0	99.1	147.2								
G35.0	91.5	136.1								
G36.0	84.5	125.9								

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	78.5	116.8								
G38.0	73.0	108.3								
G39.0	67.9	100.4								
G40.0	63.4	93.6								
G41.0	59.3	86.9								
G42.0	55.5	80.9								
G43.0	52.0	75.5								
G44.0	48.9	70.5								
G45.0	45.9	65.6								
G46.0	43.6	61.6								
G47.0	41.0	57.6								
G48.0	38.7	54.1								
G49.0	36.8	50.9								
G50.0	35.0	47.7								
G51.0	33.3	44.8								
G52.0	31.8	42.2								
G53.0	30.0	39.8								
G54.0	28.8	37.6								
G55.0	27.6	35.6								
G56.0	26.1	33.8								
G57.0	24.8	31.8								
G58.0	23.6	30.3								
G59.0	22.6	28.4								
G60.0	21.6	26.9								
G61.0	20.4	25.6								
G62.0	18.8	24.1								
G63.0	17.0	22.8								
G64.0	15.5	21.6								
G65.0	13.9	19.9								
G66.0	12.2	18.0								
G67.0	10.8	16.3								
G68.0	9.4	14.4								
G69.0	7.8	12.5								
G70.0	6.6	10.8								
G71.0	5.6	9.6								
G72.0	4.5	7.9								
G73.0	3.7	6.5								

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