

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P671938

Luminaire Tested: **CCP-SA-1F-727-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671938
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6327.7 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

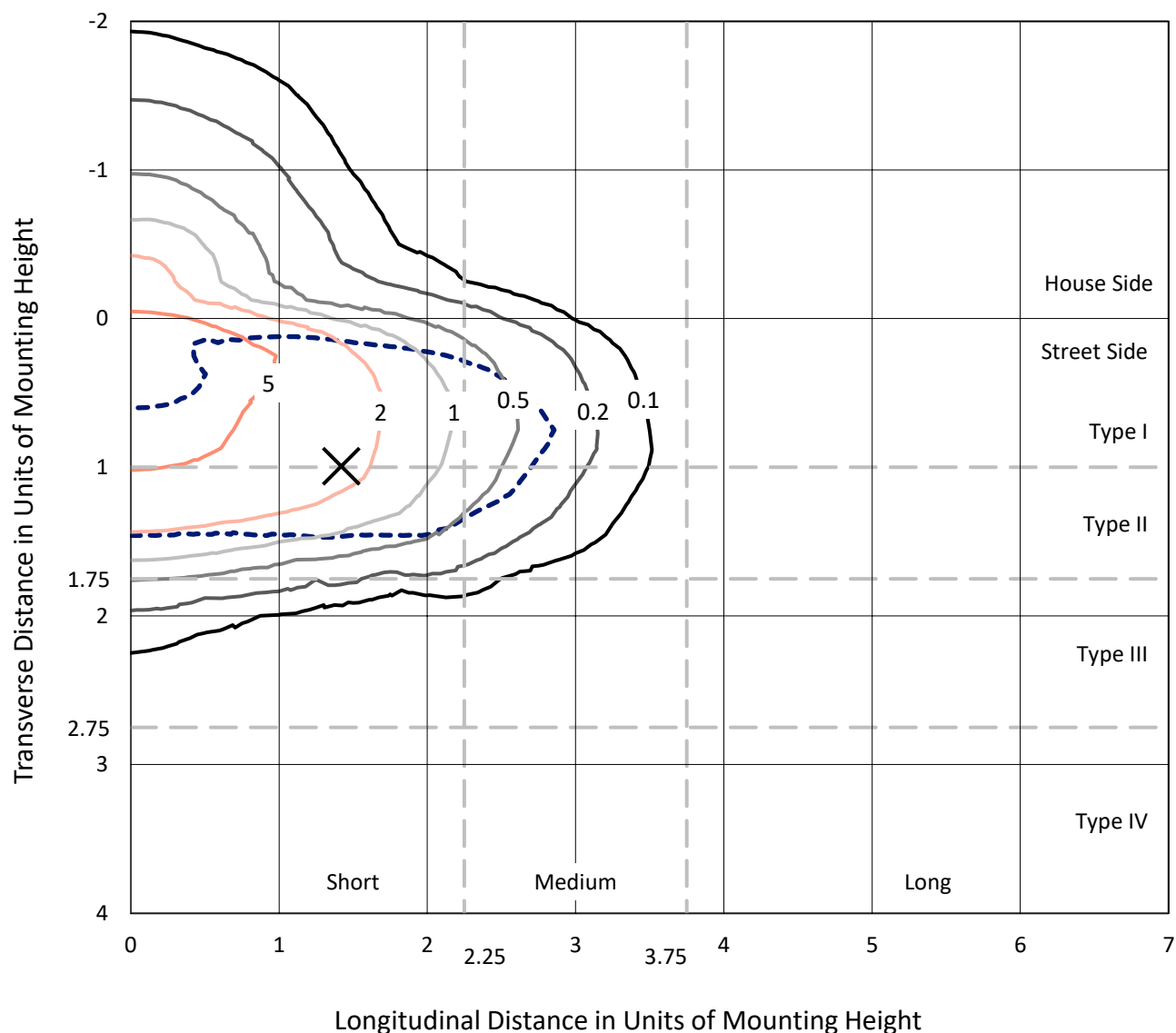
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

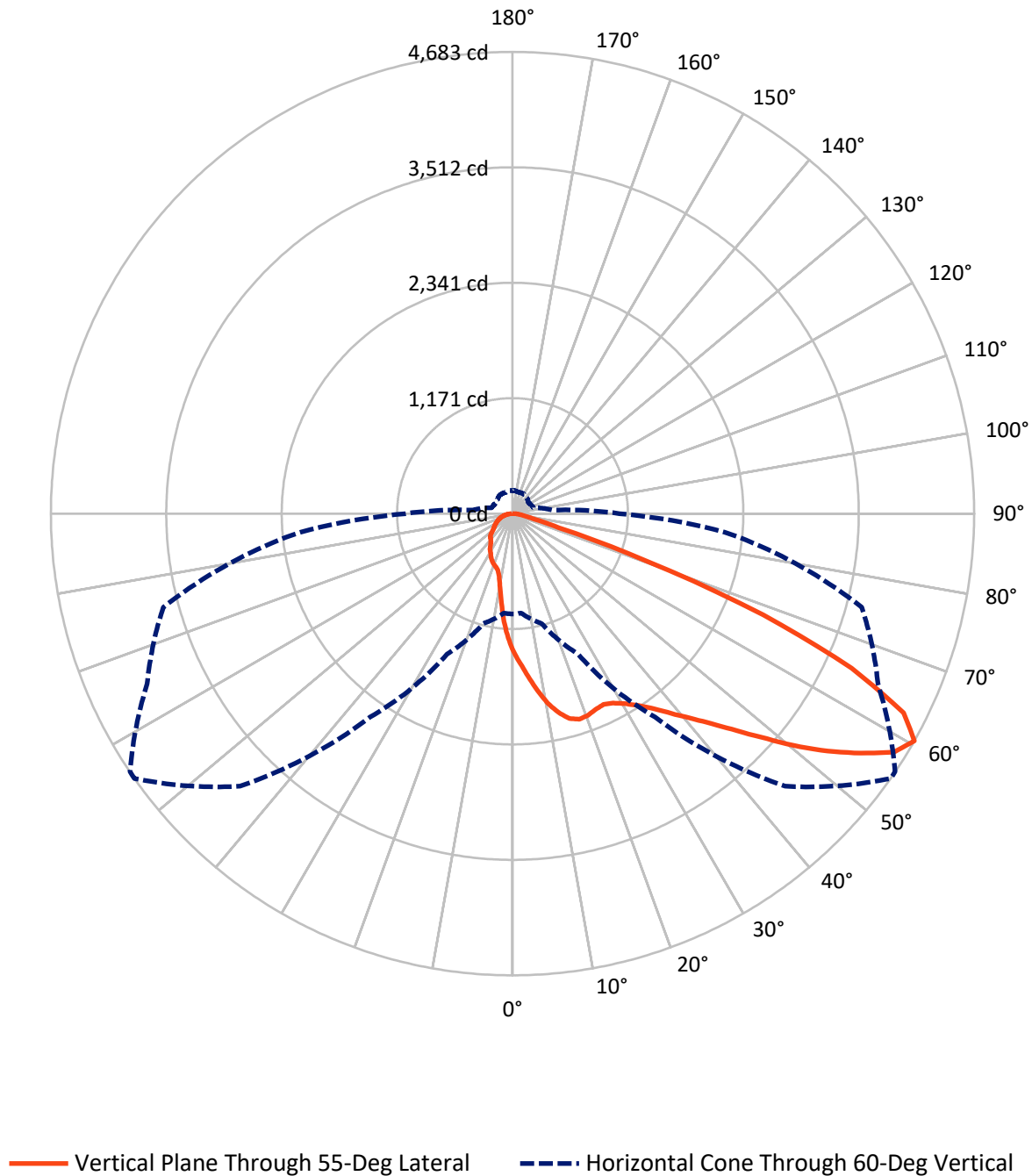


Based on 15 foot mounting height. Maximum calculated value = 8.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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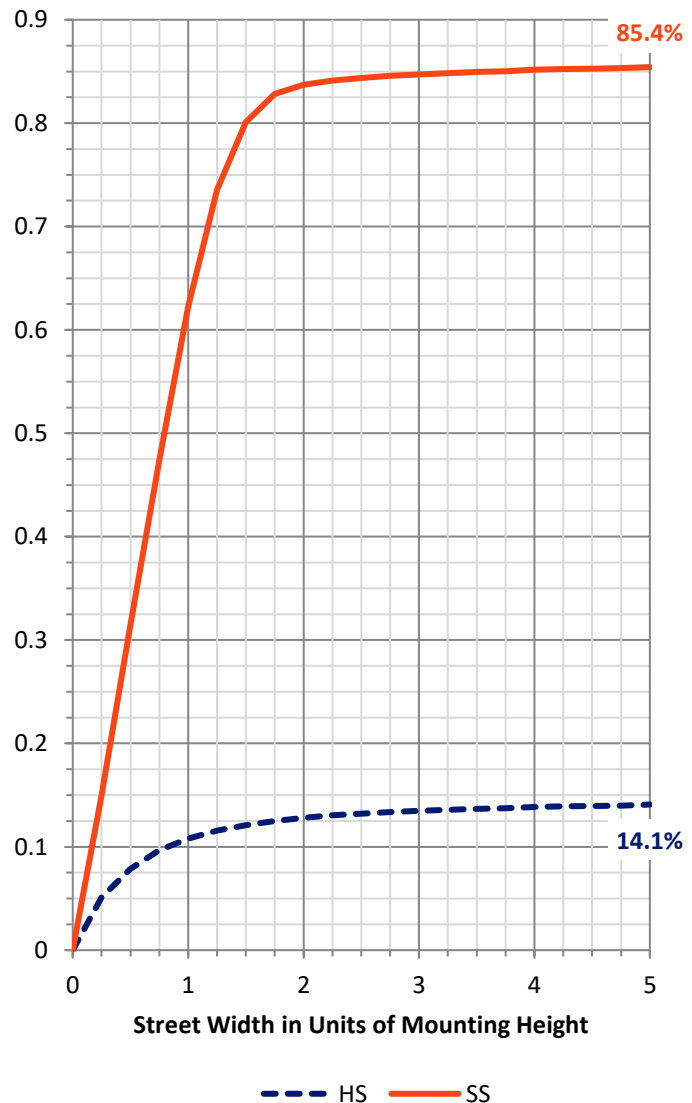
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.6	0.0	909.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5418.1	0.0	5418.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	6327.7	0.0	6327.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	2.1
10°-20°	372.1	5.9
20°-30°	605.8	9.6
30°-40°	905.5	14.3
40°-50°	1330.8	21.0
50°-60°	1559.8	24.6
60°-70°	1028.4	16.3
70°-80°	327.5	5.2
80°-90°	66.6	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6327.7	100.0
0°-180°	6327.7	100.0

Coefficient of Utilization



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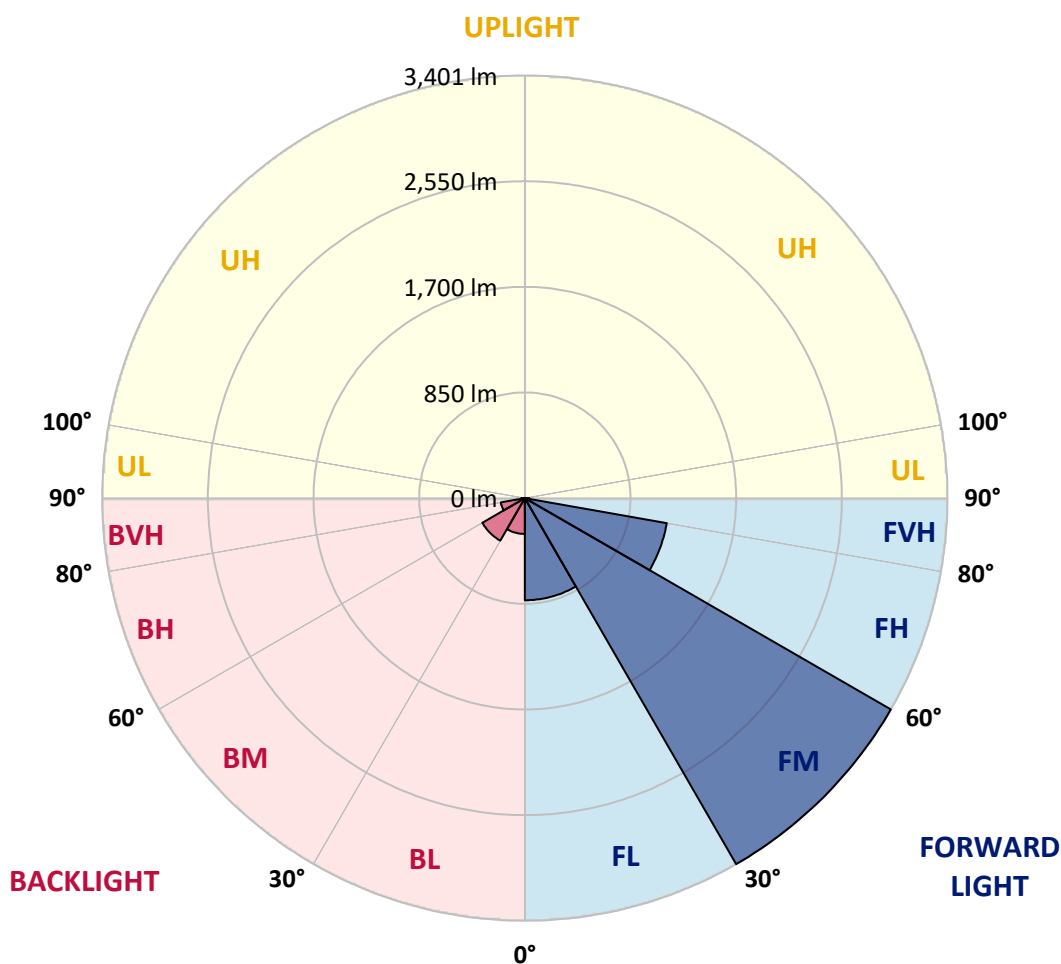
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	821.3	13.0			
FM	(30°-60°)	3400.7	53.7			
FH	(60°-80°)	1159.6	18.3			G1/1800
FVH	(80°-90°)	36.5	0.6			G1/100
BL	(0°-30°)	287.9	4.6	B1/500		
BM	(30°-60°)	395.3	6.2	B1/1000		
BH	(60°-80°)	196.3	3.1	B1/500		G1/500
BVH	(80°-90°)	30.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3
2.5°	1633.1	1627.1	1627.1	1612.0	1589.5	1558.3	1521.2	1512.0	1497.8	1461.6	1414.8
5°	1882.1	1875.7	1867.0	1840.4	1798.7	1736.3	1657.9	1643.6	1592.7	1518.0	1433.6
7.5°	2046.8	2043.1	2040.3	2017.4	1976.1	1914.7	1809.7	1793.6	1707.4	1583.6	1451.5
10°	2029.8	2040.8	2060.1	2076.1	2084.4	2052.7	1954.1	1935.3	1828.5	1659.7	1478.1
12.5°	1870.7	1886.3	1922.0	1987.6	2063.3	2124.3	2068.3	2057.8	1957.8	1740.4	1511.6
15°	1752.3	1758.8	1776.2	1824.8	1937.6	2100.4	2156.8	2147.2	2078.4	1844.1	1550.1
17.5°	1715.7	1718.4	1722.5	1738.6	1815.6	2007.3	2193.1	2202.2	2195.4	1951.8	1593.7
20°	1734.0	1735.8	1736.3	1739.0	1775.7	1929.4	2183.4	2199.0	2298.1	2059.6	1636.8
22.5°	1804.6	1802.3	1799.1	1788.6	1809.2	1915.6	2157.7	2182.5	2377.4	2157.7	1676.7
25°	1928.0	1924.8	1902.3	1880.3	1889.0	1965.1	2144.0	2170.6	2439.3	2250.4	1706.0
27.5°	2074.7	2071.5	2048.6	2006.9	1997.7	2047.7	2176.1	2192.6	2484.7	2332.5	1718.9
30°	2227.0	2227.0	2198.6	2150.4	2121.1	2142.2	2235.3	2248.6	2519.1	2411.8	1727.1
32.5°	2393.0	2397.6	2353.6	2298.5	2266.0	2253.6	2318.3	2329.7	2569.1	2505.4	1744.5
35°	2606.3	2596.2	2542.5	2470.1	2417.8	2389.8	2421.0	2434.3	2642.5	2621.9	1772.5
37.5°	2846.1	2828.2	2762.2	2675.5	2584.3	2537.5	2558.1	2561.3	2751.2	2773.7	1823.4
40°	3044.2	3041.0	2985.1	2903.0	2787.9	2725.0	2715.0	2716.8	2902.1	2953.4	1900.5
42.5°	3211.2	3199.2	3189.2	3160.3	3038.3	2935.1	2893.8	2894.3	3065.8	3139.2	1978.0
45°	3285.0	3282.7	3312.5	3386.8	3299.2	3177.7	3119.0	3127.2	3253.4	3329.9	2052.7
47.5°	3253.4	3255.2	3335.0	3529.9	3581.7	3488.6	3384.5	3379.5	3435.0	3476.2	2118.8
50°	2970.9	3000.7	3216.7	3543.2	3767.0	3813.3	3695.9	3677.1	3594.1	3592.7	2159.1
52.5°	2757.6	2756.2	2888.8	3407.9	3832.6	4106.4	4000.9	3958.7	3725.7	3658.3	2162.3
55°	2469.6	2467.8	2566.4	3012.1	3702.3	4310.9	4288.4	4235.7	3846.3	3679.9	2140.3
57.5°	1870.2	1905.1	2003.2	2411.4	3289.6	4278.4	4563.1	4519.1	3964.2	3670.2	2136.2
60°	1017.7	1013.5	1155.7	1571.6	2518.7	3908.7	4682.8	4680.5	4089.4	3666.6	2161.4
62.5°	469.2	464.6	493.0	699.8	1444.2	3131.4	4451.7	4484.7	4205.4	3633.1	2159.1
65°	350.8	338.9	300.4	325.6	552.6	1869.3	3781.2	3869.3	4026.6	3495.5	2059.1
67.5°	312.8	301.3	256.4	240.3	277.5	659.5	2742.9	2824.1	3367.1	3237.8	1897.3
70°	286.6	276.5	231.6	206.4	208.2	292.1	1435.9	1595.5	2467.8	2702.1	1617.1
72.5°	261.4	252.7	211.9	181.6	175.2	193.1	489.3	590.2	1535.0	1969.3	1205.7
75°	234.8	226.6	190.8	162.8	150.4	143.1	233.0	250.9	811.7	1087.4	647.1
77.5°	204.1	199.5	170.1	143.5	133.0	108.2	155.0	162.8	347.6	427.0	308.2
80°	177.5	173.8	151.8	130.2	119.2	83.5	106.9	112.4	171.5	213.3	172.4
82.5°	115.6	124.7	125.7	111.9	105.0	67.0	70.6	74.8	113.7	125.7	75.2
85°	47.7	57.8	86.7	77.0	72.9	56.9	46.8	47.7	69.7	73.4	27.1
87.5°	21.6	23.8	42.7	43.1	37.6	21.6	23.4	25.7	35.8	35.3	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3	1403.3
2.5°	1402.0	1380.9	1343.3	1295.1	1260.7	1235.5	1208.0	1187.8	1165.3	1145.6	1148.8
5°	1398.8	1357.9	1273.6	1184.1	1097.0	1025.4	965.8	921.8	876.4	858.5	856.2
7.5°	1401.5	1332.3	1193.8	1047.5	914.9	823.7	754.4	712.7	686.5	671.4	672.3
10°	1400.6	1307.9	1107.5	905.7	760.8	677.4	635.2	621.4	619.1	621.0	623.7
12.5°	1402.0	1274.9	1010.8	778.3	650.3	607.7	609.5	621.9	629.7	634.7	637.9
15°	1407.9	1247.9	911.7	677.8	592.5	593.9	613.6	632.9	644.3	649.8	652.6
17.5°	1416.6	1213.9	823.7	601.7	568.2	589.3	615.0	635.6	644.3	647.6	649.8
20°	1417.6	1175.0	734.7	549.4	552.2	579.7	602.2	618.7	629.7	633.3	635.2
22.5°	1413.4	1122.2	643.4	511.3	533.8	561.3	580.6	599.4	584.7	572.8	569.6
25°	1396.0	1055.7	565.5	480.2	510.9	536.6	558.6	537.9	531.1	521.9	522.8
27.5°	1358.4	972.7	492.1	450.8	483.8	520.5	504.5	501.7	493.0	483.8	483.8
30°	1308.9	885.1	430.6	420.1	451.3	469.6	473.3	469.2	464.1	452.2	453.1
32.5°	1264.4	792.5	387.1	394.4	430.6	430.6	446.7	446.7	428.3	394.9	394.9
35°	1220.4	705.3	355.0	372.8	396.7	404.5	426.5	397.6	371.5	356.3	355.4
37.5°	1186.0	631.0	333.9	354.5	363.7	383.4	383.9	362.8	354.0	340.3	338.9
40°	1165.8	568.7	321.0	345.3	346.2	364.6	334.3	340.3	338.5	327.9	326.5
42.5°	1154.8	520.5	311.4	337.5	332.9	315.1	309.6	319.6	322.9	317.4	315.1
45°	1146.1	482.9	303.6	310.5	322.4	289.8	287.5	295.3	302.2	301.8	299.9
47.5°	1141.5	456.8	296.7	293.5	295.8	274.7	270.1	273.8	282.5	288.0	287.5
50°	1123.6	436.6	286.6	276.1	261.4	261.4	259.1	259.1	269.7	280.7	281.6
52.5°	1091.9	412.7	272.0	259.6	242.6	249.9	250.9	249.0	260.0	272.0	272.9
55°	1057.1	394.9	252.2	244.4	227.0	239.4	243.5	241.7	249.0	257.3	256.8
57.5°	1057.5	394.4	235.3	229.3	212.3	226.1	236.2	236.6	236.2	242.1	242.1
60°	1084.1	403.6	222.0	209.1	195.4	211.9	228.4	228.4	225.2	233.9	234.8
62.5°	1091.9	402.7	213.7	189.9	180.2	199.0	216.9	219.7	217.4	229.8	231.1
65°	1023.2	381.1	205.5	172.4	166.5	184.8	202.7	210.5	208.2	224.3	226.1
67.5°	927.8	353.1	192.6	156.8	152.3	171.1	188.0	196.3	195.8	216.9	217.8
70°	799.8	318.7	176.6	140.8	138.5	155.0	170.1	178.9	183.0	207.3	206.8
72.5°	619.6	273.3	152.3	123.8	123.4	138.5	151.8	161.4	169.2	192.6	192.6
75°	399.4	215.1	124.3	107.3	105.5	119.7	133.5	144.5	168.3	205.5	205.0
77.5°	244.0	164.2	100.0	89.4	89.0	101.8	115.6	134.4	183.9	183.0	177.9
80°	146.3	117.9	79.8	71.5	71.5	83.5	98.6	144.0	152.7	174.3	164.6
82.5°	76.1	72.5	59.6	52.7	55.0	65.6	89.9	115.1	124.7	105.9	97.2
85°	31.2	38.5	36.7	33.5	34.9	45.4	86.7	92.2	73.8	77.5	78.0
87.5°	10.5	17.0	17.0	13.3	14.7	32.1	51.4	30.7	37.1	22.0	16.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)