

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: P671098

Luminaire Tested: **CCP-SA-2B-735-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671098
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-735-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T4W
distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6871.7 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

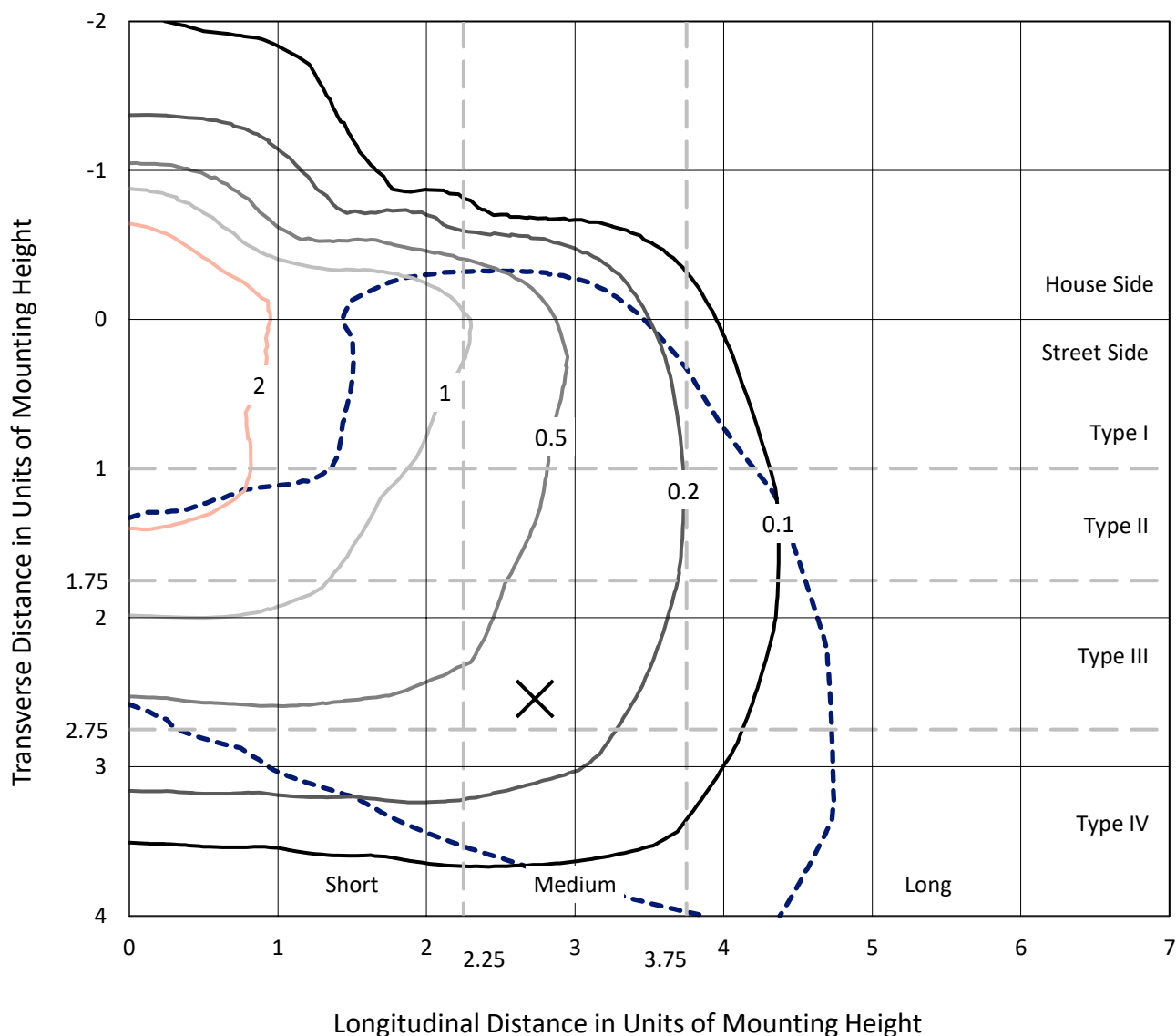
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

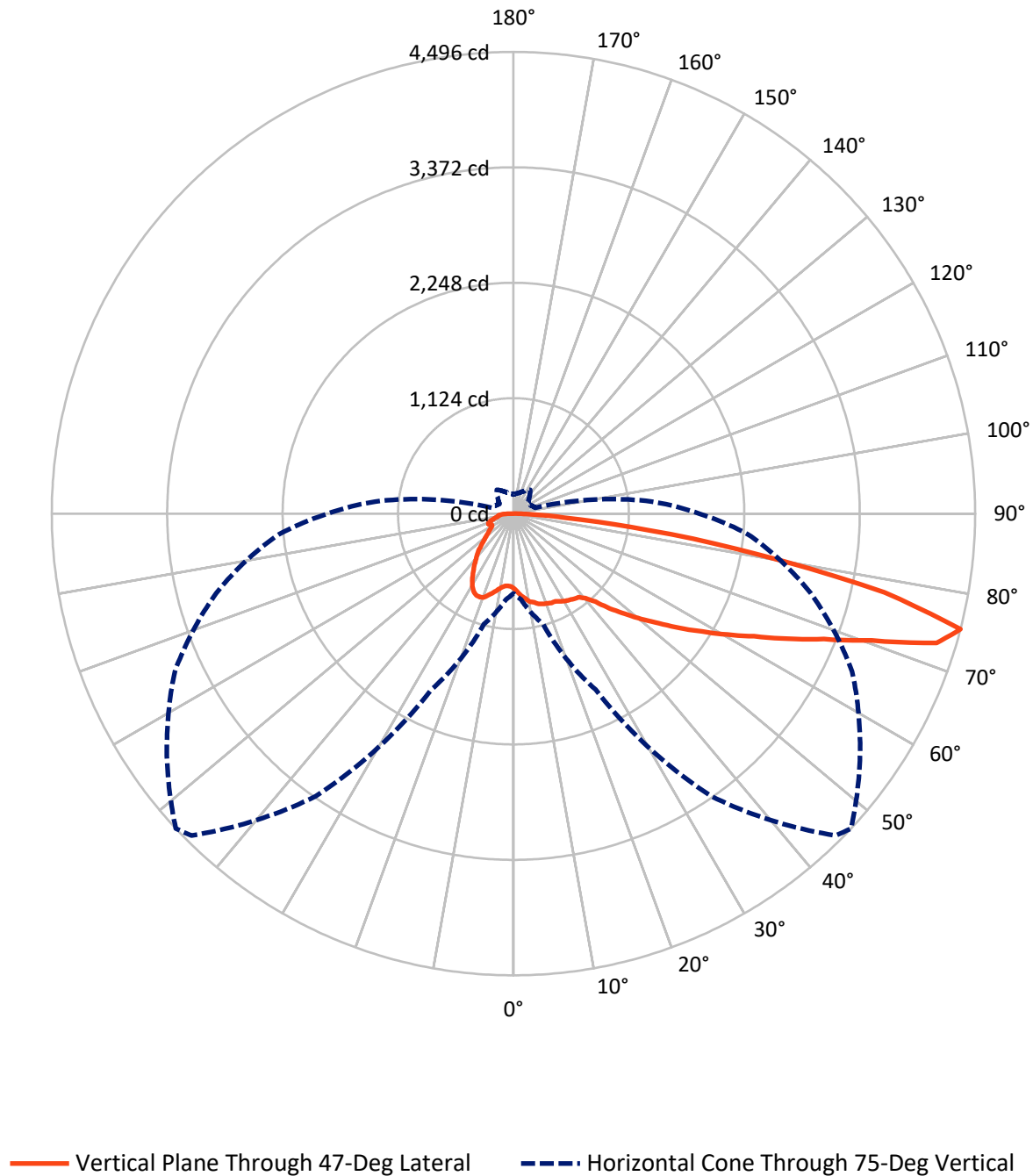
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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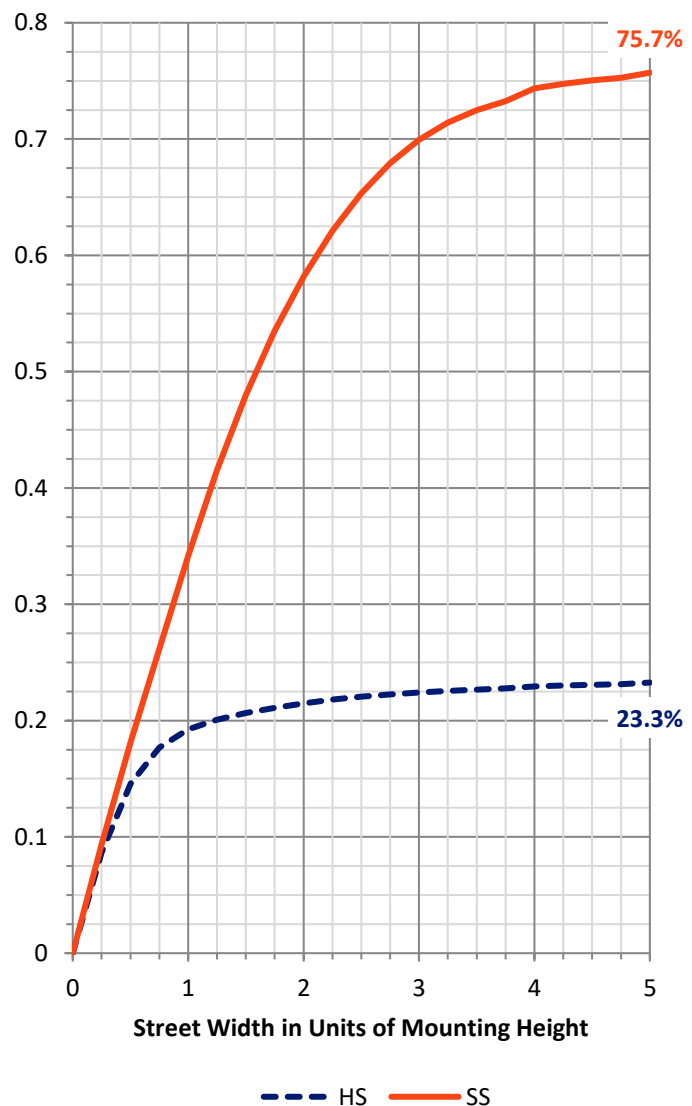
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1643.3	0.0	1643.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5228.3	0.0	5228.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	6871.7	0.0	6871.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.1
10°-20°	244.9	3.6
20°-30°	419.5	6.1
30°-40°	587.0	8.5
40°-50°	818.5	11.9
50°-60°	1223.4	17.8
60°-70°	1763.9	25.7
70°-80°	1501.4	21.8
80°-90°	239.2	3.5
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°	6871.7	100.0
0°-180°	6871.7	100.0

Coefficient of Utilization



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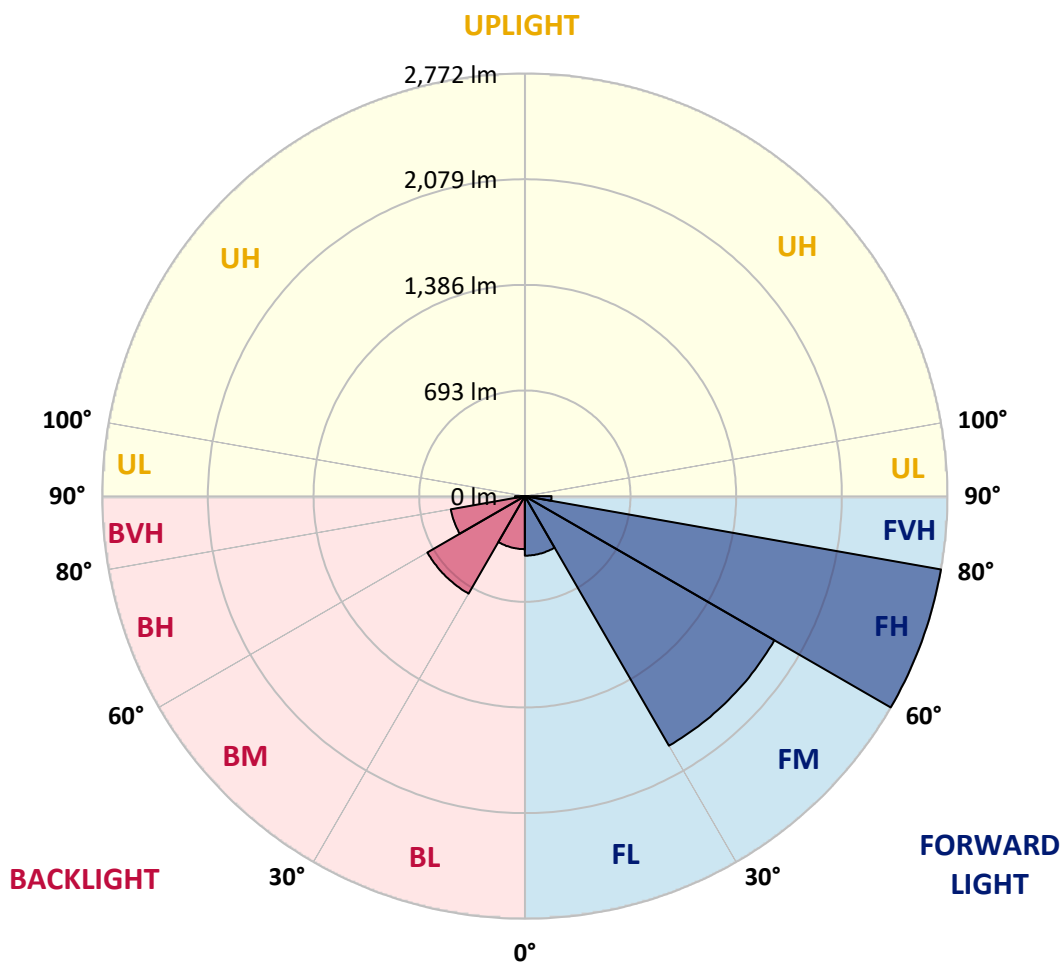
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.4	5.7			
FM	(30°-60°)	1890.4	27.5			
FH	(60°-80°)	2772.3	40.3			G2/5000
FVH	(80°-90°)	175.2	2.6			G2/225
BL	(0°-30°)	347.8	5.1	B1/500		
BM	(30°-60°)	738.6	10.7	B1/1000		
BH	(60°-80°)	493.0	7.2	B1/500		G1/500
BVH	(80°-90°)	63.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6
2.5°	782.3	784.8	784.8	779.8	774.8	764.7	764.7	754.7	749.7	737.2	732.1
5°	855.0	847.5	840.0	837.4	824.9	807.4	804.8	794.8	767.2	754.7	737.2
7.5°	907.6	905.1	902.6	892.6	870.0	842.5	834.9	819.9	792.3	767.2	747.2
10°	950.3	960.3	950.3	927.7	905.1	875.1	872.5	845.0	819.9	789.8	764.7
12.5°	997.9	1000.4	982.9	955.3	920.2	895.1	885.1	875.1	847.5	822.4	784.8
15°	1030.5	1025.5	1013.0	975.3	935.2	910.2	912.7	900.1	870.0	852.5	812.4
17.5°	1030.5	1030.5	1010.4	982.9	947.8	925.2	925.2	917.7	897.6	872.5	845.0
20°	1010.4	1010.4	997.9	982.9	942.8	937.7	932.7	927.7	927.7	905.1	865.0
22.5°	985.4	980.4	985.4	960.3	932.7	937.7	945.3	942.8	935.2	915.2	887.6
25°	960.3	962.8	967.8	950.3	925.2	947.8	945.3	957.8	952.8	937.7	915.2
27.5°	957.8	962.8	965.3	947.8	937.7	957.8	967.8	980.4	982.9	967.8	940.2
30°	995.4	992.9	990.4	967.8	960.3	977.9	987.9	1005.4	1020.5	987.9	965.3
32.5°	1093.2	1078.1	1063.1	1002.9	980.4	992.9	1002.9	1028.0	1030.5	1013.0	980.4
35°	1248.6	1238.6	1188.5	1083.2	1020.5	1007.9	1018.0	1035.5	1040.5	1028.0	1002.9
37.5°	1426.7	1421.6	1351.4	1223.6	1103.2	1043.0	1033.0	1058.1	1078.1	1050.6	1015.5
40°	1602.2	1582.1	1532.0	1406.6	1208.5	1095.7	1083.2	1095.7	1103.2	1083.2	1060.6
42.5°	1760.1	1737.6	1725.0	1599.7	1346.4	1183.5	1173.4	1143.3	1165.9	1140.8	1110.7
45°	1893.0	1888.0	1883.0	1775.2	1504.4	1326.4	1318.8	1241.1	1266.2	1246.1	1203.5
47.5°	1988.3	2010.9	2003.3	1943.2	1684.9	1479.3	1456.7	1356.5	1394.1	1374.0	1331.4
50°	2101.1	2113.7	2106.1	2066.0	1852.9	1654.8	1612.2	1509.4	1552.0	1549.5	1527.0
52.5°	2201.4	2239.0	2196.4	2193.9	2093.6	1845.4	1772.7	1674.9	1745.1	1772.7	1770.2
55°	2319.3	2349.4	2336.8	2331.8	2309.2	2030.9	1965.7	1847.9	1965.7	2005.9	2041.0
57.5°	2419.6	2417.1	2464.7	2522.4	2549.9	2244.0	2166.3	2028.4	2206.4	2251.6	2349.4
60°	2464.7	2507.3	2587.5	2733.0	2810.7	2472.2	2392.0	2281.7	2449.6	2484.7	2665.3
62.5°	2494.8	2532.4	2687.8	2933.6	2978.7	2705.4	2630.2	2519.9	2715.4	2740.5	3008.8
65°	2412.0	2447.1	2755.5	3008.8	3169.2	2956.1	2938.6	2823.2	2981.2	2996.2	3369.8
67.5°	2316.8	2354.4	2697.9	3104.1	3422.5	3289.6	3262.0	3124.1	3244.5	3226.9	3645.6
70°	2148.8	2198.9	2549.9	3186.8	3703.3	3756.0	3700.8	3505.2	3517.8	3352.3	3658.2
72.5°	1637.3	1669.9	1995.8	2858.3	3833.7	4402.8	4307.6	3916.4	3773.5	3377.4	3229.4
75°	777.3	837.4	1113.2	1890.5	3359.8	4432.9	4495.6	4119.5	3638.1	2996.2	2289.2
77.5°	225.7	225.7	338.5	802.3	2106.1	3572.9	3690.8	3497.7	3001.3	2219.0	1203.5
80°	122.9	130.4	178.0	283.3	925.2	2254.1	2424.6	2319.3	1767.7	877.6	310.9
82.5°	70.2	72.7	117.8	170.5	421.2	1226.1	1326.4	1203.5	672.0	265.8	145.4
85°	40.1	42.6	67.7	112.8	250.7	451.3	491.4	426.2	270.8	178.0	72.7
87.5°	20.1	20.1	32.6	52.7	127.9	127.9	125.4	152.9	163.0	107.8	32.6
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°	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6	729.6
2.5°	729.6	727.1	727.1	717.1	714.6	707.1	707.1	702.0	699.5	707.1	707.1
5°	732.1	719.6	717.1	707.1	709.6	704.6	714.6	709.6	707.1	707.1	704.6
7.5°	737.2	724.6	714.6	707.1	704.6	712.1	724.6	724.6	739.7	732.1	732.1
10°	749.7	742.2	729.6	724.6	724.6	732.1	747.2	757.2	769.7	769.7	762.2
12.5°	779.8	767.2	752.2	744.7	754.7	762.2	777.3	787.3	802.3	807.4	802.3
15°	802.3	789.8	784.8	779.8	787.3	797.3	809.9	819.9	837.4	842.5	840.0
17.5°	832.4	817.4	814.9	817.4	822.4	829.9	837.4	845.0	857.5	857.5	857.5
20°	847.5	842.5	840.0	847.5	857.5	867.5	862.5	857.5	855.0	860.0	857.5
22.5°	875.1	870.0	872.5	880.1	880.1	875.1	867.5	850.0	845.0	850.0	845.0
25°	900.1	895.1	895.1	890.1	887.6	870.0	855.0	840.0	822.4	829.9	827.4
27.5°	925.2	922.7	922.7	902.6	877.6	847.5	827.4	809.9	799.8	812.4	804.8
30°	955.3	957.8	945.3	897.6	837.4	804.8	782.3	779.8	777.3	784.8	782.3
32.5°	982.9	985.4	965.3	890.1	807.4	744.7	722.1	724.6	737.2	749.7	762.2
35°	997.9	1010.4	985.4	865.0	747.2	677.0	651.9	674.5	697.0	714.6	727.1
37.5°	1025.5	1058.1	1015.5	837.4	694.5	616.8	599.2	606.8	634.4	661.9	674.5
40°	1065.6	1103.2	1023.0	784.8	624.3	556.6	546.6	549.1	559.1	576.7	589.2
42.5°	1135.8	1175.9	1030.5	717.1	554.1	519.0	491.4	483.9	476.4	476.4	473.9
45°	1238.6	1276.2	1020.5	631.8	483.9	458.8	438.8	421.2	401.2	368.6	373.6
47.5°	1389.1	1419.1	1028.0	556.6	418.7	398.7	383.6	363.6	333.5	298.4	295.9
50°	1617.2	1572.1	1018.0	478.9	371.1	353.5	341.0	313.4	278.3	253.2	250.7
52.5°	1883.0	1792.7	1007.9	413.7	331.0	315.9	305.9	275.8	243.2	230.7	228.2
55°	2203.9	2073.5	1023.0	356.0	300.9	288.3	278.3	250.7	225.7	215.6	213.1
57.5°	2582.5	2376.9	1105.7	310.9	268.3	263.3	260.8	238.2	215.6	208.1	205.6
60°	2938.6	2667.8	1160.9	278.3	238.2	243.2	248.2	238.2	213.1	208.1	208.1
62.5°	3236.9	2908.5	1073.1	250.7	223.2	238.2	260.8	253.2	243.2	248.2	243.2
65°	3500.2	2991.2	802.3	235.7	215.6	250.7	288.3	285.8	263.3	268.3	265.8
67.5°	3545.3	2890.9	524.0	223.2	210.6	275.8	323.4	293.4	248.2	248.2	240.7
70°	3357.3	2622.7	351.0	210.6	208.1	275.8	331.0	275.8	233.2	233.2	223.2
72.5°	2755.5	2096.1	270.8	198.1	190.6	245.7	313.4	260.8	218.1	213.1	195.6
75°	1810.3	1351.4	220.6	188.0	165.5	215.6	283.3	240.7	208.1	193.1	185.5
77.5°	887.6	606.8	185.5	165.5	142.9	188.0	258.3	228.2	195.6	180.5	175.5
80°	243.2	218.1	155.5	145.4	120.4	163.0	243.2	218.1	183.0	168.0	160.5
82.5°	137.9	135.4	125.4	117.8	100.3	163.0	245.7	218.1	173.0	170.5	145.4
85°	75.2	80.2	90.3	87.8	77.7	145.4	233.2	190.6	140.4	117.8	117.8
87.5°	30.1	37.6	45.1	50.1	52.7	107.8	175.5	145.4	107.8	90.3	90.3
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)