

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: P674874

Luminaire Tested: **CCW-SA-2B-827-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674874
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-827-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5064.1 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

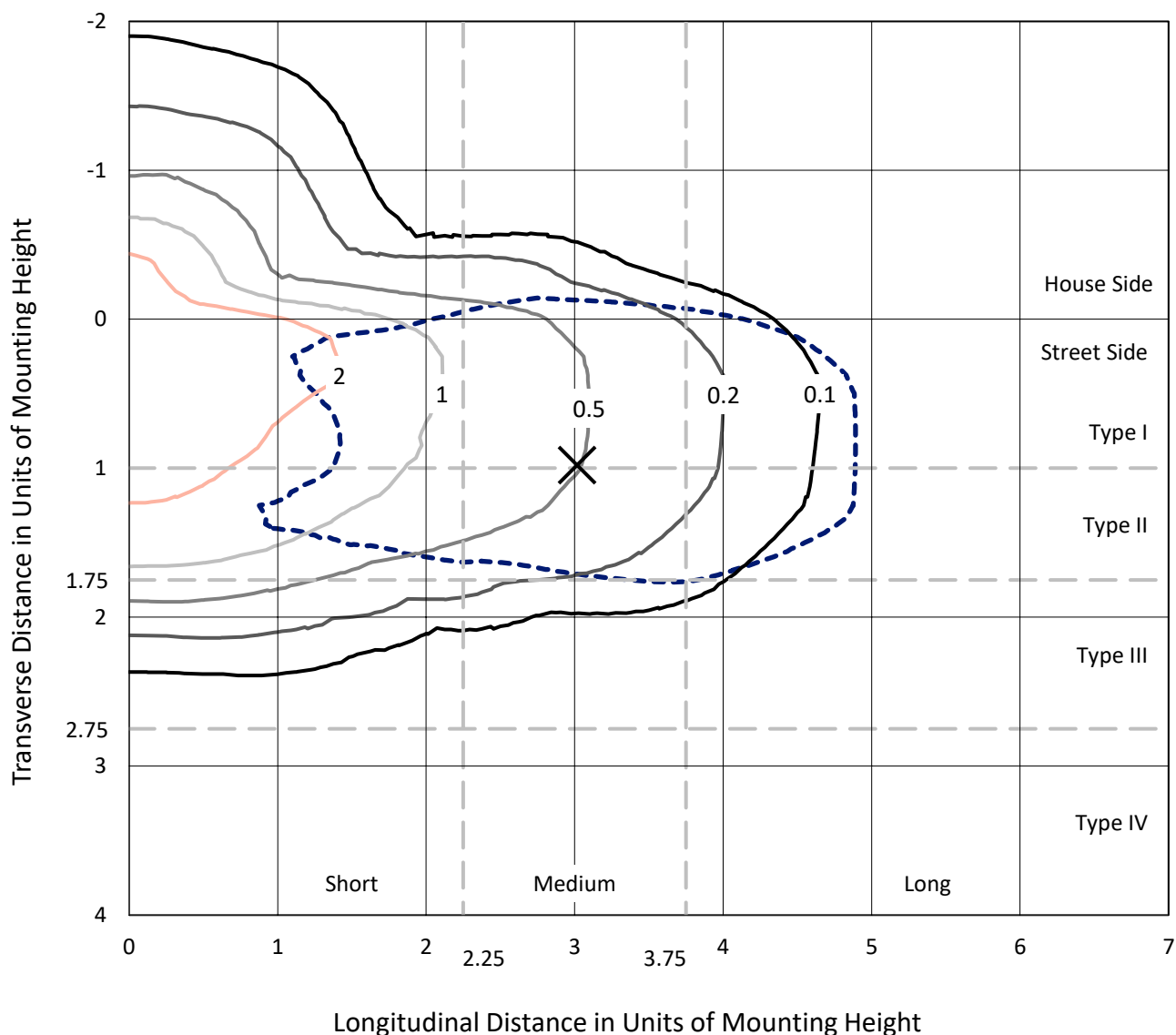
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

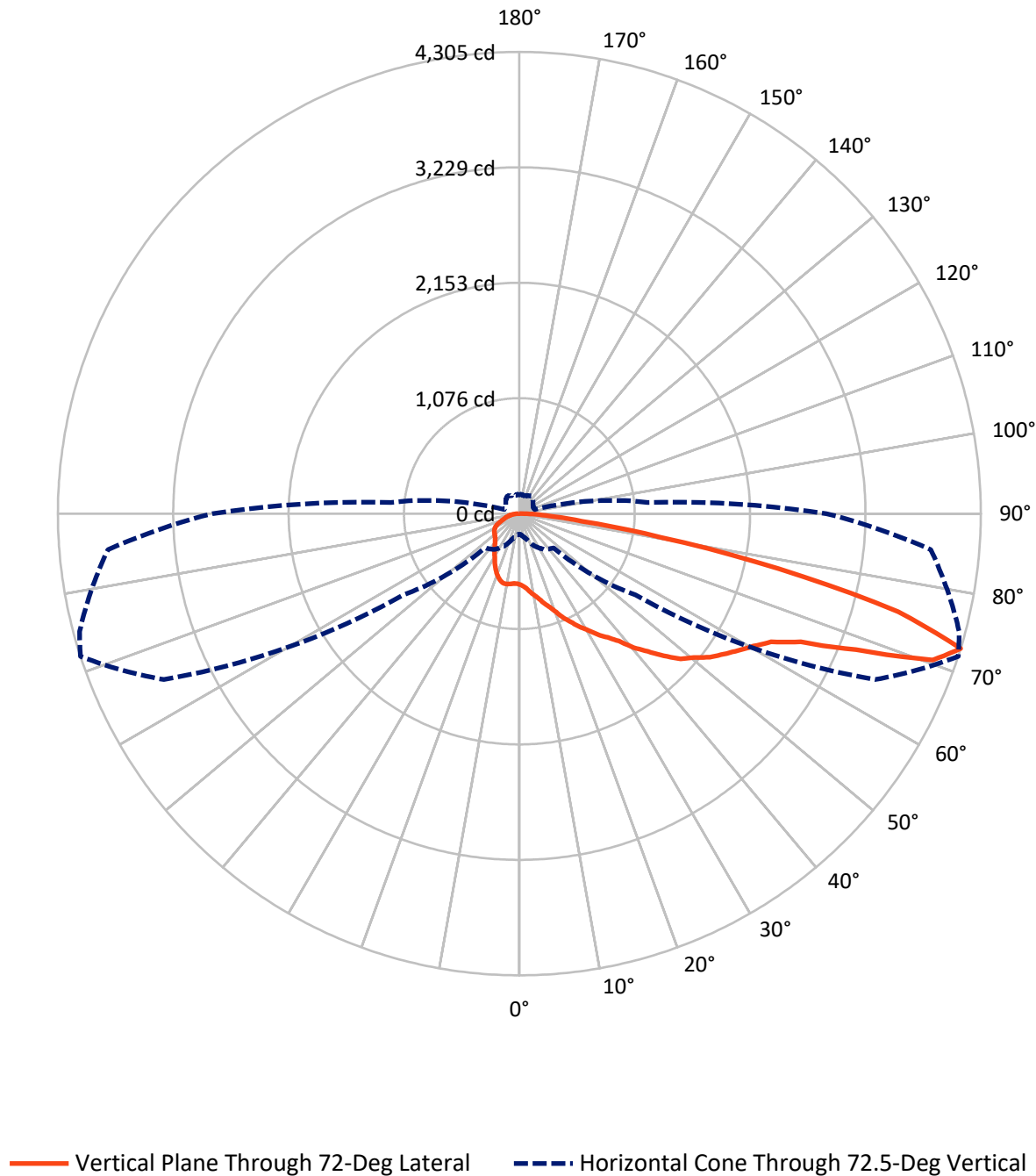


Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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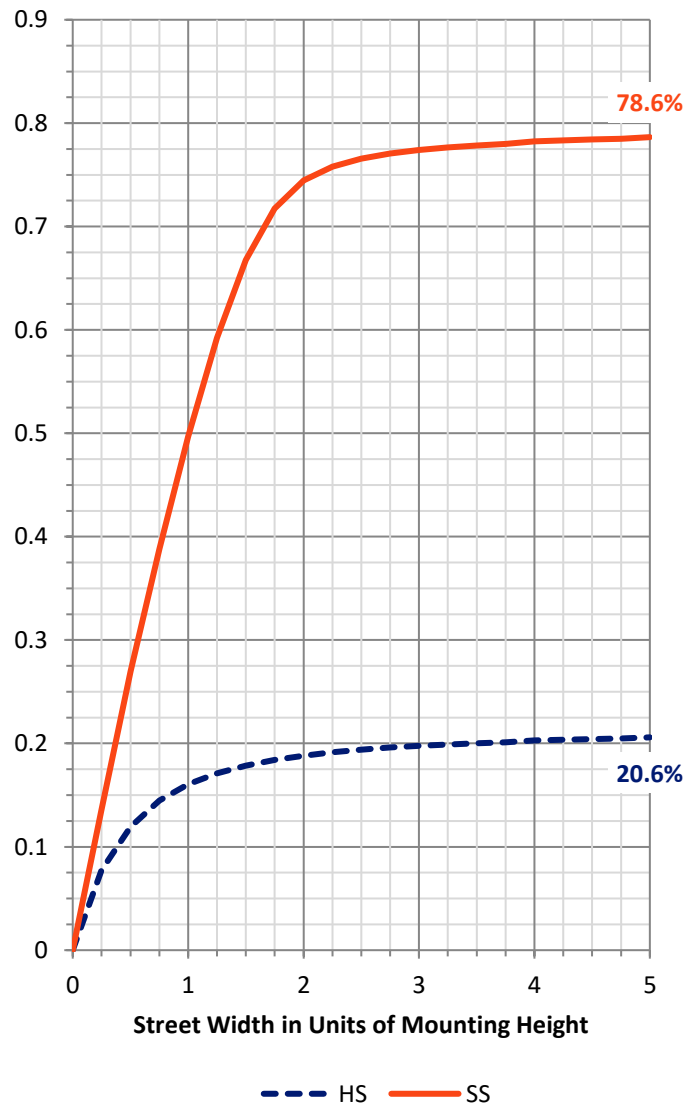
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1065.8	0.0	1065.8
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3998.3	0.0	3998.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	5064.1	0.0	5064.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.3
10°-20°	203.2	4.0
20°-30°	351.6	6.9
30°-40°	519.4	10.3
40°-50°	772.4	15.3
50°-60°	1058.9	20.9
60°-70°	1148.6	22.7
70°-80°	809.8	16.0
80°-90°	134.6	2.7
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°	5064.1	100.0
0°-180°	5064.1	100.0

Coefficient of Utilization



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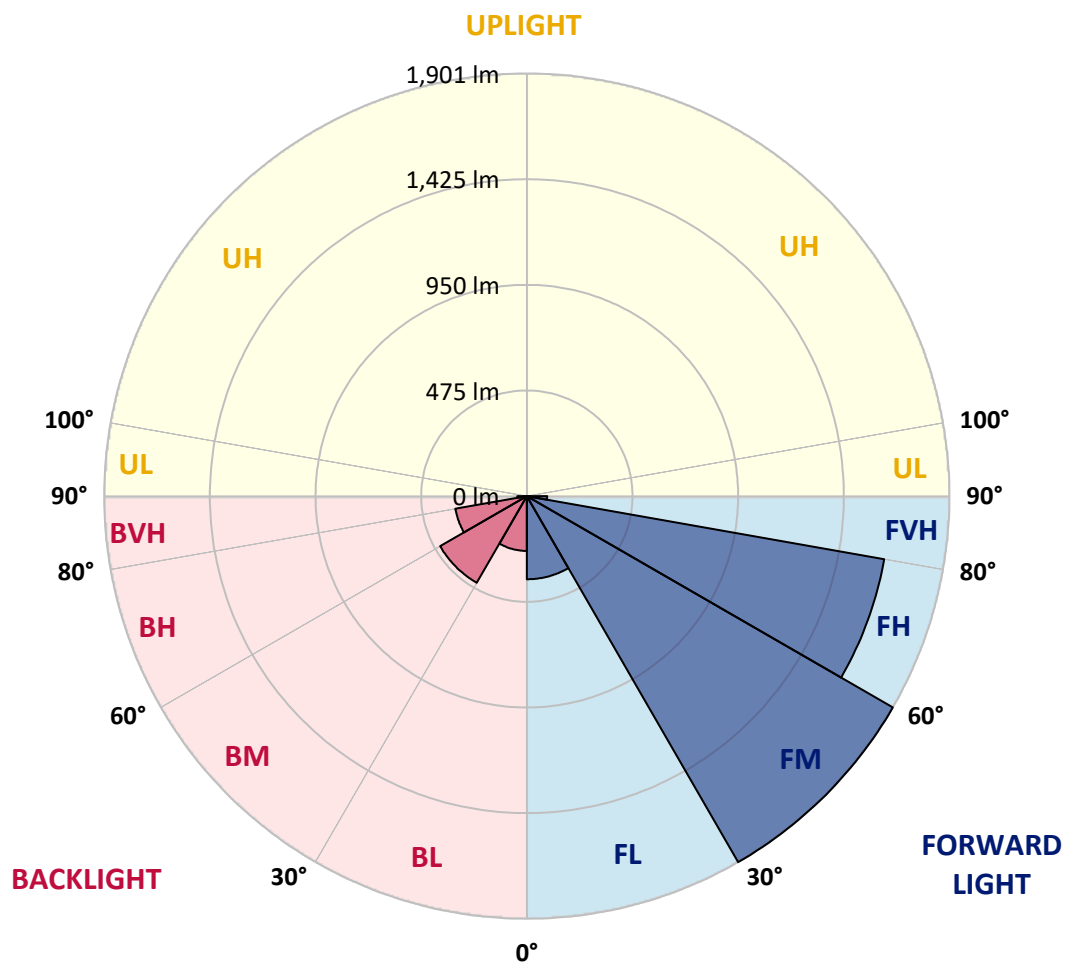
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.9	7.4			
FM	(30°-60°)	1900.7	37.5			
FH	(60°-80°)	1632.0	32.2			G1/1800
FVH	(80°-90°)	91.7	1.8			G1/100
BL	(0°-30°)	246.3	4.9	B1/500		
BM	(30°-60°)	450.1	8.9	B1/1000		
BH	(60°-80°)	326.5	6.4	B1/500		G1/500
BVH	(80°-90°)	42.8	0.8			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5
2.5°	713.8	713.8	708.2	706.4	706.4	691.4	693.3	683.9	676.5	676.5	669.0
5°	751.2	747.5	747.5	747.5	738.1	732.5	730.7	713.8	700.8	702.6	680.2
7.5°	760.5	762.4	764.3	773.6	768.0	771.8	768.0	749.3	740.0	730.7	710.1
10°	766.2	769.9	769.9	783.0	783.0	792.3	797.9	790.4	773.6	764.3	730.7
12.5°	779.2	773.6	781.1	790.4	799.8	816.6	833.4	826.0	814.7	803.5	766.2
15°	779.2	781.1	786.7	801.7	816.6	833.4	863.3	874.5	868.9	848.4	809.1
17.5°	756.8	751.2	777.4	805.4	833.4	854.0	893.2	919.4	915.6	908.2	848.4
20°	758.7	764.3	773.6	797.9	842.8	880.1	928.7	971.7	981.1	977.3	900.7
22.5°	792.3	794.2	803.5	814.7	850.2	898.8	971.7	1040.9	1057.7	1048.3	958.6
25°	826.0	840.9	840.9	848.4	861.5	911.9	999.7	1096.9	1121.2	1123.1	1018.4
27.5°	880.1	883.9	895.1	898.8	910.0	939.9	1031.5	1138.0	1194.1	1186.6	1072.6
30°	943.7	945.5	953.0	949.3	951.2	988.5	1061.4	1184.7	1261.4	1263.2	1130.5
32.5°	1018.4	1033.4	1037.1	1012.8	1016.6	1025.9	1108.1	1240.8	1345.4	1332.4	1181.0
35°	1128.7	1134.3	1123.1	1111.9	1083.8	1078.2	1156.7	1296.9	1418.3	1433.3	1255.7
37.5°	1265.1	1280.0	1265.1	1205.3	1175.4	1153.0	1216.5	1358.5	1506.2	1556.6	1330.5
40°	1392.2	1390.3	1375.3	1321.2	1268.8	1252.0	1302.5	1444.5	1642.6	1691.1	1438.9
42.5°	1494.9	1489.3	1480.0	1438.9	1390.3	1362.3	1401.5	1534.2	1756.6	1850.0	1564.1
45°	1584.6	1577.2	1579.0	1532.3	1485.6	1500.5	1500.5	1637.0	1891.1	2007.0	1708.0
47.5°	1668.7	1672.5	1666.9	1631.4	1595.8	1635.1	1614.5	1754.7	2023.8	2152.7	1829.4
50°	1765.9	1773.4	1754.7	1732.3	1700.5	1739.7	1713.6	1864.9	2109.7	2285.4	1975.2
52.5°	1857.5	1864.9	1881.8	1853.7	1822.0	1853.7	1793.9	1967.7	2223.7	2414.3	2087.3
55°	1879.9	1876.1	1969.6	1999.5	2016.3	1921.0	1864.9	2055.5	2313.4	2496.5	2214.4
57.5°	1777.1	1786.5	1913.5	1999.5	2178.9	2096.7	1945.3	2158.3	2406.9	2604.9	2332.1
60°	1521.1	1526.7	1685.5	1889.2	2150.8	2261.1	2162.1	2291.0	2509.6	2696.5	2464.8
62.5°	1016.6	1059.5	1257.6	1577.2	1952.8	2305.9	2507.8	2515.2	2634.8	2812.4	2646.0
65°	536.3	556.9	712.0	969.8	1480.0	2150.8	2832.9	2960.0	2885.2	3025.4	2907.7
67.5°	351.3	358.8	442.9	588.6	854.0	1569.7	2870.3	3731.7	3387.9	3430.9	3326.2
70°	261.6	265.4	327.0	435.4	528.8	839.0	2352.7	4092.4	4090.5	3976.5	3823.3
72.5°	192.5	198.1	241.1	332.6	407.4	452.2	1323.0	3660.7	4305.4	4247.5	3853.2
75°	151.4	155.1	177.5	257.9	328.9	297.1	670.9	2711.4	3651.4	3929.8	3526.2
77.5°	123.3	127.1	140.2	186.9	263.5	229.8	321.4	1749.1	2476.0	2829.2	2698.4
80°	102.8	102.8	112.1	132.7	203.7	173.8	190.6	982.9	1334.2	1472.5	1224.0
82.5°	87.8	86.0	93.4	97.2	151.4	125.2	123.3	444.7	586.8	622.3	459.7
85°	56.1	57.9	87.8	84.1	99.0	86.0	69.1	211.2	276.6	282.2	171.9
87.5°	22.4	22.4	37.4	46.7	56.1	52.3	33.6	95.3	121.5	121.5	48.6
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°	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5	661.5
2.5°	667.1	659.6	654.0	650.3	641.0	631.6	633.5	631.6	624.1	620.4	620.4
5°	674.6	667.1	657.8	642.8	633.5	622.3	626.0	618.5	611.1	616.7	607.3
7.5°	693.3	680.2	667.1	644.7	629.7	612.9	605.5	601.7	596.1	592.4	592.4
10°	719.4	700.8	676.5	642.8	618.5	592.4	588.6	581.2	575.6	575.6	573.7
12.5°	745.6	725.0	683.9	629.7	588.6	569.9	568.1	569.9	573.7	575.6	577.4
15°	779.2	745.6	682.1	605.5	564.3	556.9	566.2	573.7	581.2	588.6	586.8
17.5°	811.0	771.8	665.2	575.6	543.8	545.7	562.5	577.4	592.4	599.8	601.7
20°	854.0	796.1	641.0	540.0	523.2	540.0	562.5	581.2	598.0	607.3	609.2
22.5°	902.6	824.1	609.2	508.3	506.4	523.2	545.7	573.7	592.4	609.2	607.3
25°	945.5	842.8	568.1	482.1	485.9	497.1	523.2	553.1	571.8	590.5	584.9
27.5°	973.6	846.5	525.1	463.4	463.4	474.6	498.9	517.6	534.4	549.4	551.3
30°	1005.3	839.0	476.5	439.1	439.1	454.1	463.4	474.6	484.0	487.7	491.5
32.5°	1042.7	822.2	446.6	420.5	420.5	431.7	437.3	433.5	431.7	422.3	427.9
35°	1078.2	797.9	413.0	396.2	403.6	409.2	407.4	396.2	384.9	368.1	362.5
37.5°	1121.2	773.6	383.1	370.0	383.1	384.9	384.9	371.9	356.9	336.4	336.4
40°	1186.6	754.9	358.8	353.2	366.3	364.4	355.0	345.7	351.3	340.1	340.1
42.5°	1255.7	747.5	336.4	338.2	343.8	345.7	336.4	325.1	347.6	334.5	336.4
45°	1341.7	753.1	321.4	319.5	332.6	330.8	325.1	315.8	323.3	289.6	280.3
47.5°	1422.1	764.3	313.9	306.5	321.4	325.1	317.7	297.1	285.9	265.4	261.6
50°	1494.9	788.6	306.5	291.5	306.5	313.9	300.9	278.4	265.4	252.3	252.3
52.5°	1564.1	824.1	302.7	274.7	287.8	297.1	289.6	267.2	252.3	246.7	241.1
55°	1635.1	855.9	297.1	263.5	267.2	285.9	284.0	254.1	239.2	239.2	237.3
57.5°	1736.0	898.8	289.6	244.8	252.3	272.8	272.8	248.5	231.7	233.6	235.5
60°	1838.8	949.3	282.2	226.1	231.7	259.7	263.5	241.1	226.1	228.0	226.1
62.5°	2003.2	1042.7	267.2	203.7	214.9	242.9	252.3	231.7	218.6	222.4	222.4
65°	2251.8	1203.4	235.5	185.0	198.1	228.0	241.1	222.4	207.4	218.6	214.9
67.5°	2651.6	1423.9	198.1	170.0	186.9	213.0	228.0	211.2	198.1	214.9	209.3
70°	3010.4	1532.3	170.0	157.0	170.0	196.2	213.0	199.9	186.9	203.7	196.2
72.5°	2864.7	1201.6	147.6	142.0	155.1	177.5	198.1	185.0	171.9	181.3	173.8
75°	2472.3	956.8	128.9	127.1	138.3	160.7	181.3	171.9	158.8	162.6	158.8
77.5°	1874.3	790.4	110.3	108.4	117.7	143.9	162.6	155.1	142.0	140.2	140.2
80°	837.2	388.7	91.6	91.6	97.2	123.3	138.3	134.5	121.5	119.6	117.7
82.5°	274.7	147.6	74.7	71.0	78.5	102.8	123.3	119.6	106.5	102.8	99.0
85°	110.3	71.0	54.2	54.2	61.7	86.0	110.3	102.8	86.0	76.6	76.6
87.5°	37.4	29.9	28.0	28.0	39.2	57.9	82.2	69.1	61.7	54.2	56.1
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)