

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: P674816

Luminaire Tested: **CCW-SA-1E-730-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674816
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210.3 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

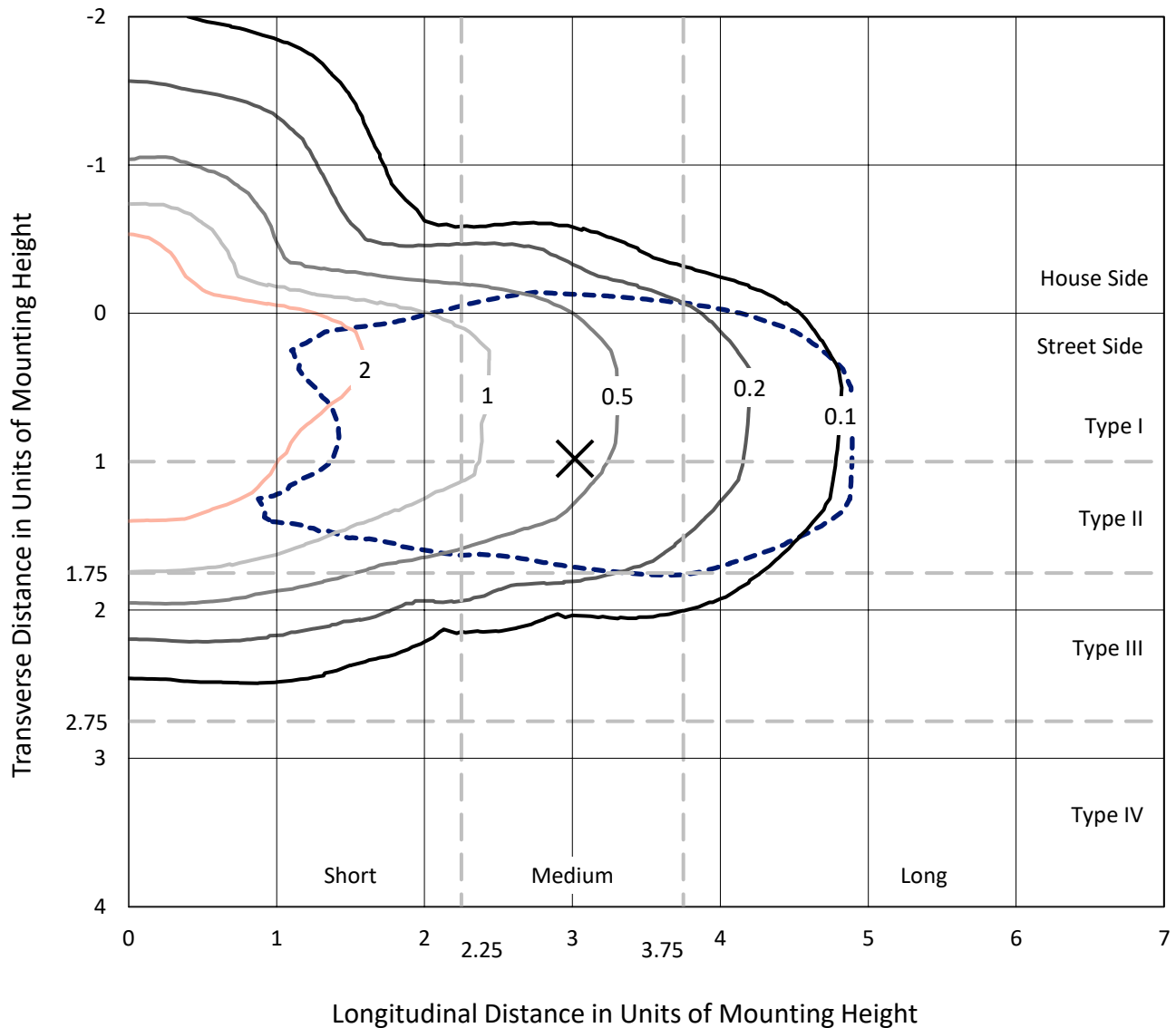
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

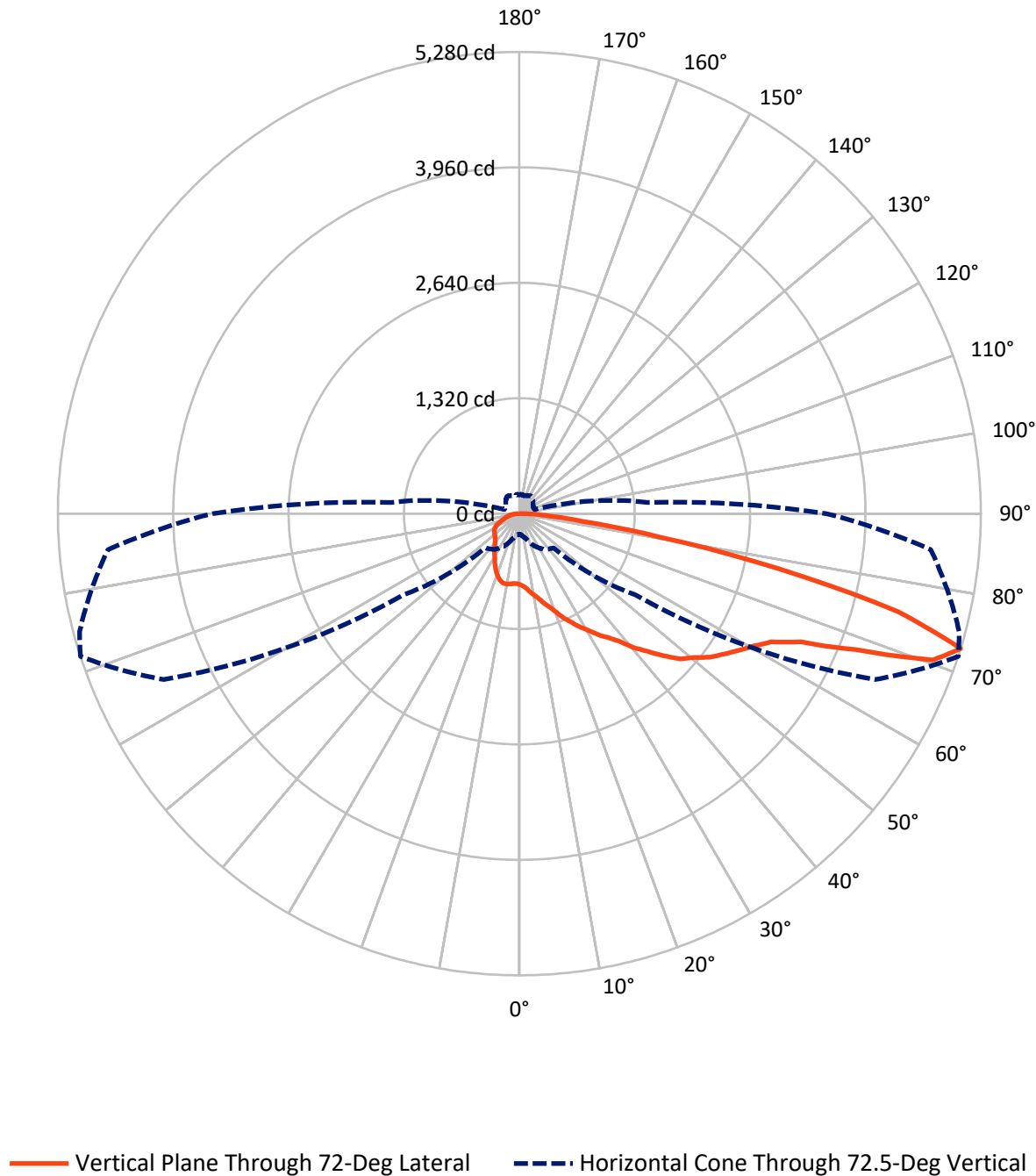
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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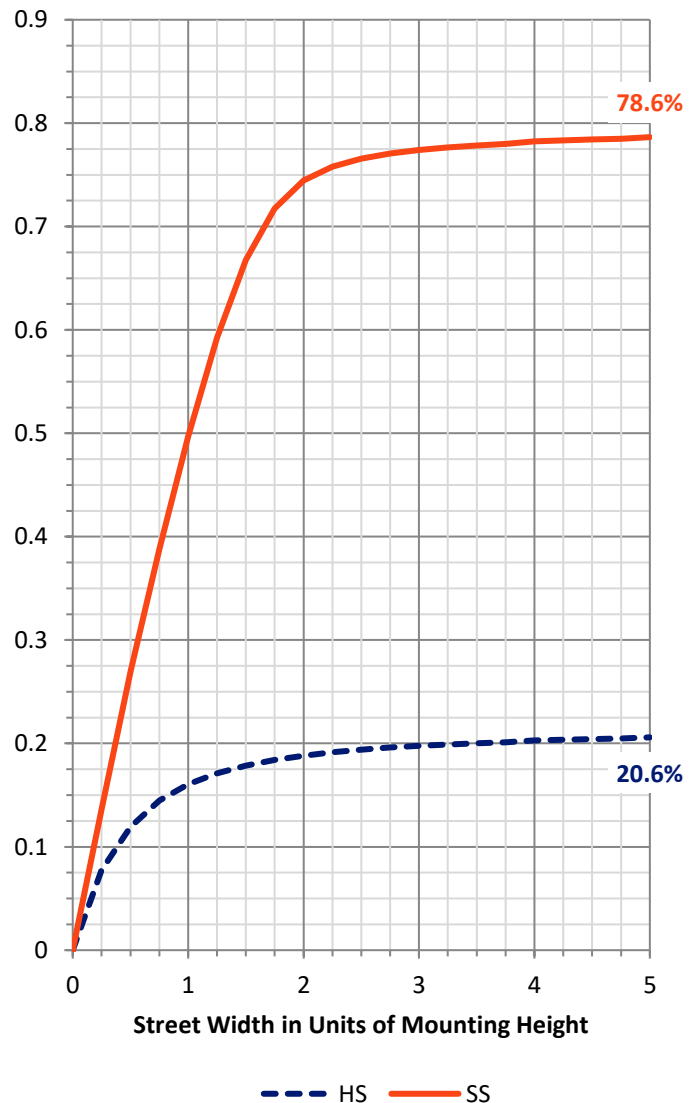
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.0	0.0	1307.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4903.3	0.0	4903.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	6210.3	0.0	6210.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.3
10°-20°	249.2	4.0
20°-30°	431.2	6.9
30°-40°	637.0	10.3
40°-50°	947.3	15.3
50°-60°	1298.6	20.9
60°-70°	1408.6	22.7
70°-80°	993.1	16.0
80°-90°	165.0	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°	6210.3	100.0
0°-180°	6210.3	100.0

Coefficient of Utilization



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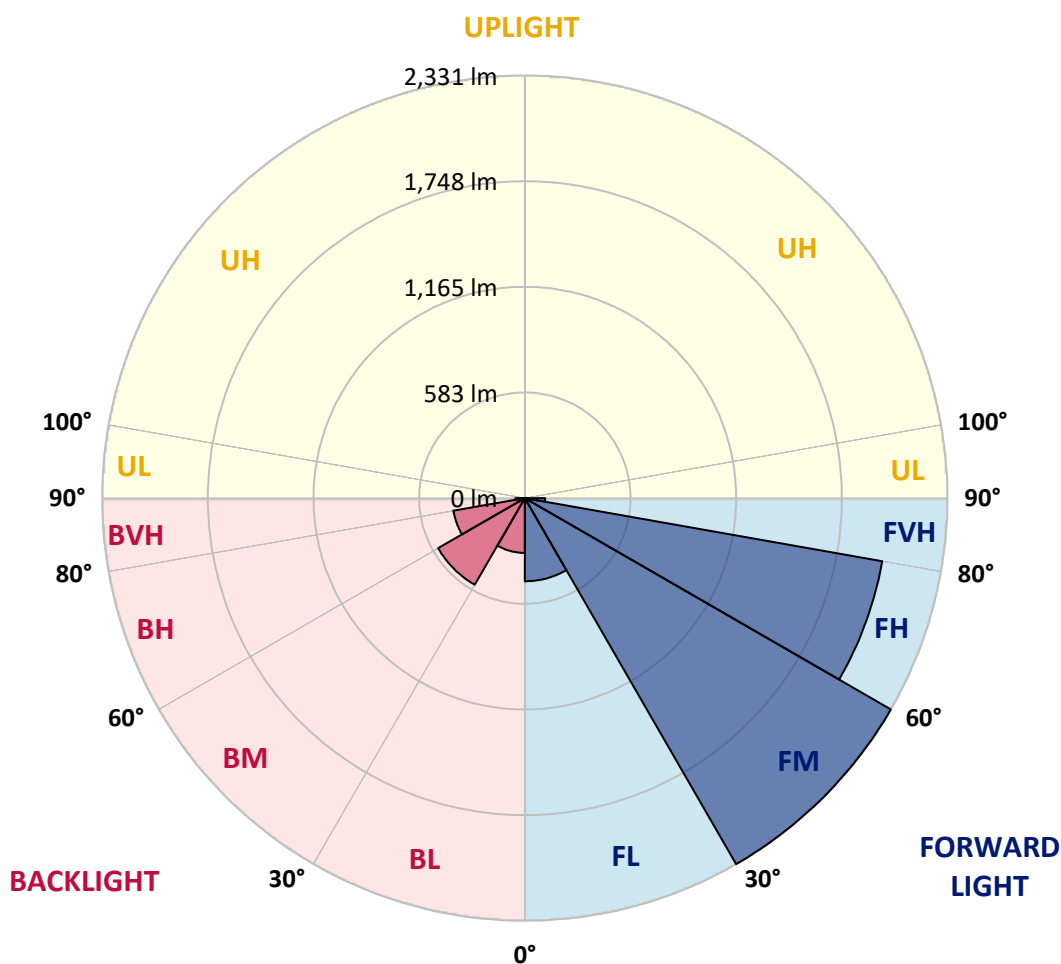
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	458.6	7.4			
FM	(30°-60°)	2330.8	37.5			
FH	(60°-80°)	2001.4	32.2			G2/5000
FVH	(80°-90°)	112.5	1.8			G2/225
BL	(0°-30°)	302.1	4.9	B1/500		
BM	(30°-60°)	552.0	8.9	B1/1000		
BH	(60°-80°)	400.4	6.4	B1/500		G1/500
BVH	(80°-90°)	52.5	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-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2
2.5°	875.4	875.4	868.5	866.2	866.2	847.9	850.2	838.7	829.6	829.6	820.4
5°	921.2	916.6	916.6	916.6	905.2	898.3	896.0	875.4	859.4	861.6	834.1
7.5°	932.7	935.0	937.3	948.7	941.9	946.4	941.9	918.9	907.5	896.0	870.8
10°	939.6	944.1	944.1	960.2	960.2	971.6	978.5	969.4	948.7	937.3	896.0
12.5°	955.6	948.7	957.9	969.4	980.8	1001.4	1022.1	1012.9	999.1	985.4	939.6
15°	955.6	957.9	964.8	983.1	1001.4	1022.1	1058.7	1072.5	1065.6	1040.4	992.3
17.5°	928.1	921.2	953.3	987.7	1022.1	1047.3	1095.4	1127.5	1122.9	1113.7	1040.4
20°	930.4	937.3	948.7	978.5	1033.5	1079.4	1138.9	1191.6	1203.1	1198.5	1104.6
22.5°	971.6	973.9	985.4	999.1	1042.7	1102.3	1191.6	1276.4	1297.1	1285.6	1175.6
25°	1012.9	1031.2	1031.2	1040.4	1056.4	1118.3	1226.0	1345.2	1375.0	1377.3	1248.9
27.5°	1079.4	1083.9	1097.7	1102.3	1116.0	1152.7	1265.0	1395.6	1464.3	1455.2	1315.4
30°	1157.3	1159.6	1168.7	1164.1	1166.4	1212.3	1301.6	1452.9	1546.8	1549.1	1386.4
32.5°	1248.9	1267.3	1271.8	1242.1	1246.6	1258.1	1358.9	1521.6	1650.0	1633.9	1448.3
35°	1384.1	1391.0	1377.3	1363.5	1329.1	1322.3	1418.5	1590.4	1739.3	1757.7	1540.0
37.5°	1551.4	1569.8	1551.4	1478.1	1441.4	1413.9	1491.8	1666.0	1847.0	1908.9	1631.6
40°	1707.3	1705.0	1686.6	1620.2	1556.0	1535.4	1597.3	1771.4	2014.3	2073.9	1764.5
42.5°	1833.3	1826.4	1815.0	1764.5	1705.0	1670.6	1718.7	1881.4	2154.1	2268.7	1918.1
45°	1943.3	1934.1	1936.4	1879.1	1821.8	1840.2	1840.2	2007.5	2319.1	2461.2	2094.5
47.5°	2046.4	2051.0	2044.1	2000.6	1957.0	2005.2	1980.0	2151.8	2481.8	2639.9	2243.5
50°	2165.6	2174.7	2151.8	2124.3	2085.4	2133.5	2101.4	2287.0	2587.2	2802.7	2422.2
52.5°	2277.9	2287.0	2307.7	2273.3	2234.3	2273.3	2200.0	2413.1	2727.0	2960.8	2559.7
55°	2305.4	2300.8	2415.4	2452.0	2472.7	2355.8	2287.0	2520.8	2837.0	3061.6	2715.6
57.5°	2179.3	2190.8	2346.6	2452.0	2672.0	2571.2	2385.6	2646.8	2951.6	3194.5	2859.9
60°	1865.4	1872.3	2067.0	2316.8	2637.7	2772.9	2651.4	2809.5	3077.6	3306.8	3022.6
62.5°	1246.6	1299.3	1542.3	1934.1	2394.7	2827.9	3075.4	3084.5	3231.2	3448.9	3244.9
65°	657.7	682.9	873.1	1189.4	1815.0	2637.7	3474.1	3629.9	3538.3	3710.1	3565.8
67.5°	430.8	440.0	543.1	721.9	1047.3	1925.0	3519.9	4576.4	4154.7	4207.4	4079.1
70°	320.8	325.4	401.0	533.9	648.5	1028.9	2885.2	5018.6	5016.4	4876.6	4688.7
72.5°	236.0	242.9	295.6	407.9	499.6	554.6	1622.5	4489.3	5279.9	5208.9	4725.3
75°	185.6	190.2	217.7	316.2	403.3	364.4	822.7	3325.1	4477.8	4819.3	4324.3
77.5°	151.2	155.8	171.9	229.2	323.1	281.9	394.2	2145.0	3036.4	3469.5	3309.1
80°	126.0	126.0	137.5	162.7	249.8	213.1	233.7	1205.4	1636.2	1805.8	1501.0
82.5°	107.7	105.4	114.6	119.2	185.6	153.5	151.2	545.4	719.6	763.1	563.7
85°	68.7	71.0	107.7	103.1	121.5	105.4	84.8	259.0	339.2	346.0	210.8
87.5°	27.5	27.5	45.8	57.3	68.7	64.2	41.2	116.9	149.0	149.0	59.6
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°	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2	811.2
2.5°	818.1	808.9	802.1	797.5	786.0	774.6	776.9	774.6	765.4	760.8	760.8
5°	827.3	818.1	806.7	788.3	776.9	763.1	767.7	758.5	749.4	756.2	744.8
7.5°	850.2	834.1	818.1	790.6	772.3	751.7	742.5	737.9	731.0	726.4	726.4
10°	882.3	859.4	829.6	788.3	758.5	726.4	721.9	712.7	705.8	705.8	703.5
12.5°	914.4	889.1	838.7	772.3	721.9	698.9	696.7	698.9	703.5	705.8	708.1
15°	955.6	914.4	836.4	742.5	692.1	682.9	694.4	703.5	712.7	721.9	719.6
17.5°	994.6	946.4	815.8	705.8	666.9	669.2	689.8	708.1	726.4	735.6	737.9
20°	1047.3	976.2	786.0	662.3	641.7	662.3	689.8	712.7	733.3	744.8	747.1
22.5°	1106.9	1010.6	747.1	623.3	621.0	641.7	669.2	703.5	726.4	747.1	744.8
25°	1159.6	1033.5	696.7	591.2	595.8	609.6	641.7	678.3	701.2	724.2	717.3
27.5°	1193.9	1038.1	643.9	568.3	568.3	582.1	611.9	634.8	655.4	673.7	676.0
30°	1232.9	1028.9	584.4	538.5	538.5	556.9	568.3	582.1	593.5	598.1	602.7
32.5°	1278.7	1008.3	547.7	515.6	515.6	529.4	536.2	531.7	529.4	517.9	524.8
35°	1322.3	978.5	506.4	485.8	495.0	501.9	499.6	485.8	472.1	451.4	444.6
37.5°	1375.0	948.7	469.8	453.7	469.8	472.1	472.1	456.0	437.7	412.5	412.5
40°	1455.2	925.8	440.0	433.1	449.2	446.9	435.4	423.9	430.8	417.1	417.1
42.5°	1540.0	916.6	412.5	414.8	421.7	423.9	412.5	398.7	426.2	410.2	412.5
45°	1645.4	923.5	394.2	391.9	407.9	405.6	398.7	387.3	396.5	355.2	343.7
47.5°	1743.9	937.3	385.0	375.8	394.2	398.7	389.6	364.4	350.6	325.4	320.8
50°	1833.3	967.1	375.8	357.5	375.8	385.0	369.0	341.5	325.4	309.4	309.4
52.5°	1918.1	1010.6	371.2	336.9	352.9	364.4	355.2	327.7	309.4	302.5	295.6
55°	2005.2	1049.6	364.4	323.1	327.7	350.6	348.3	311.7	293.3	293.3	291.0
57.5°	2128.9	1102.3	355.2	300.2	309.4	334.6	334.6	304.8	284.2	286.5	288.7
60°	2255.0	1164.1	346.0	277.3	284.2	318.5	323.1	295.6	277.3	279.6	277.3
62.5°	2456.6	1278.7	327.7	249.8	263.5	297.9	309.4	284.2	268.1	272.7	272.7
65°	2761.4	1475.8	288.7	226.9	242.9	279.6	295.6	272.7	254.4	268.1	263.5
67.5°	3251.8	1746.2	242.9	208.5	229.2	261.2	279.6	259.0	242.9	263.5	256.7
70°	3691.8	1879.1	208.5	192.5	208.5	240.6	261.2	245.2	229.2	249.8	240.6
72.5°	3513.1	1473.5	181.0	174.2	190.2	217.7	242.9	226.9	210.8	222.3	213.1
75°	3031.8	1173.3	158.1	155.8	169.6	197.1	222.3	210.8	194.8	199.4	194.8
77.5°	2298.5	969.4	135.2	132.9	144.4	176.5	199.4	190.2	174.2	171.9	171.9
80°	1026.6	476.7	112.3	112.3	119.2	151.2	169.6	165.0	149.0	146.7	144.4
82.5°	336.9	181.0	91.7	87.1	96.2	126.0	151.2	146.7	130.6	126.0	121.5
85°	135.2	87.1	66.5	66.5	75.6	105.4	135.2	126.0	105.4	94.0	94.0
87.5°	45.8	36.7	34.4	34.4	48.1	71.0	100.8	84.8	75.6	66.5	68.7
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)