

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: P674898

Luminaire Tested: **CCW-SA-2D-835-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674898
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9167 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

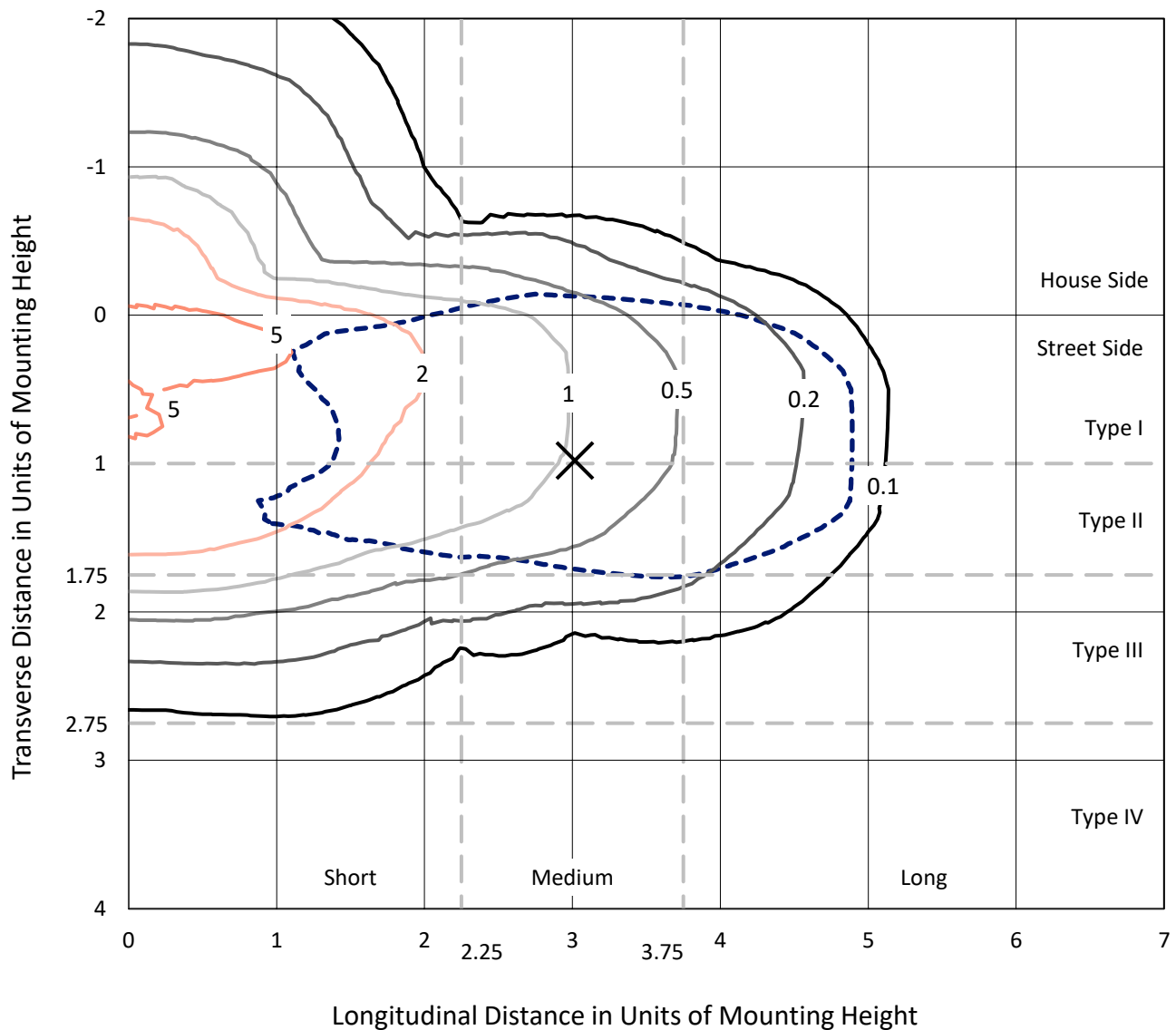
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

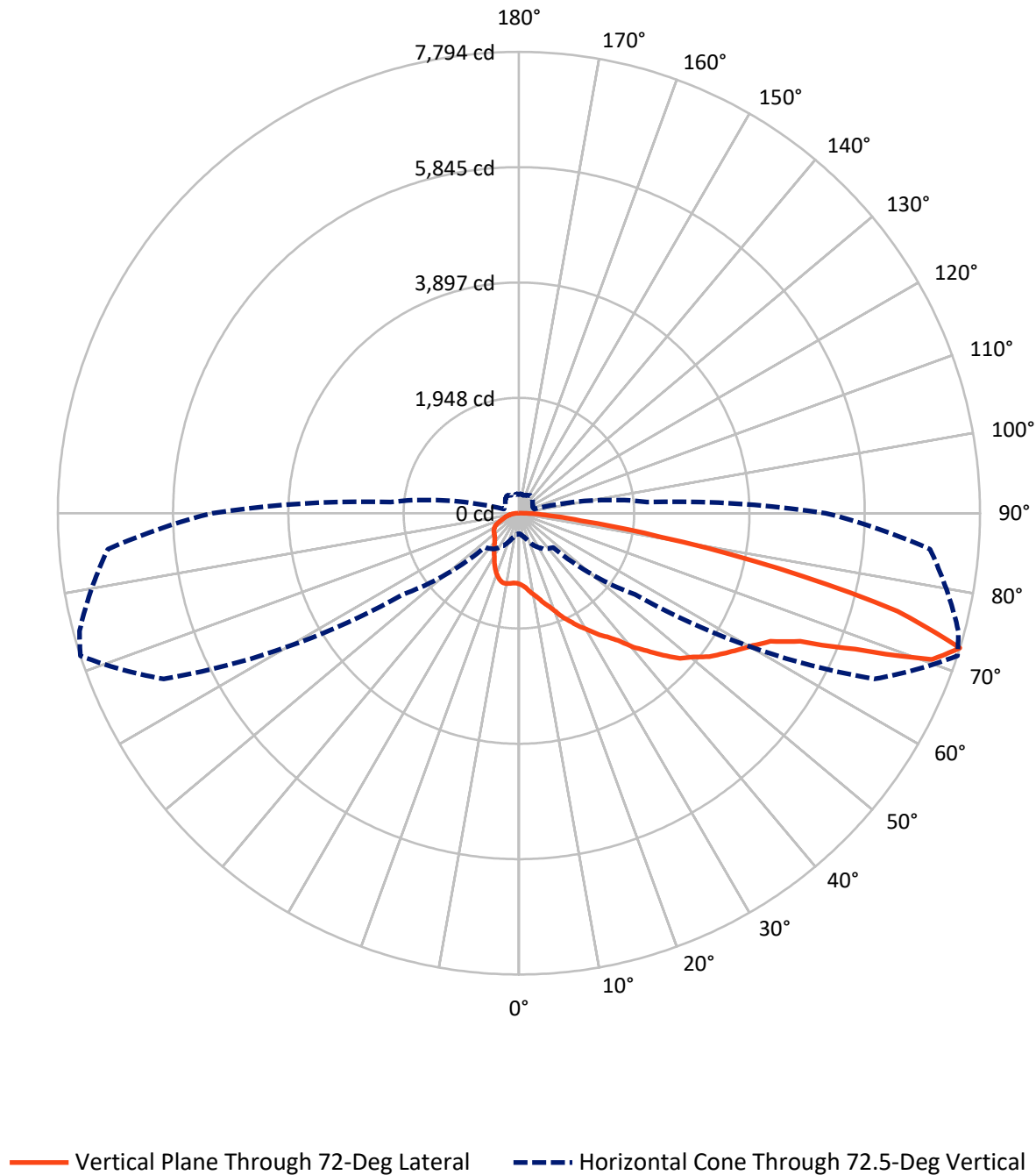
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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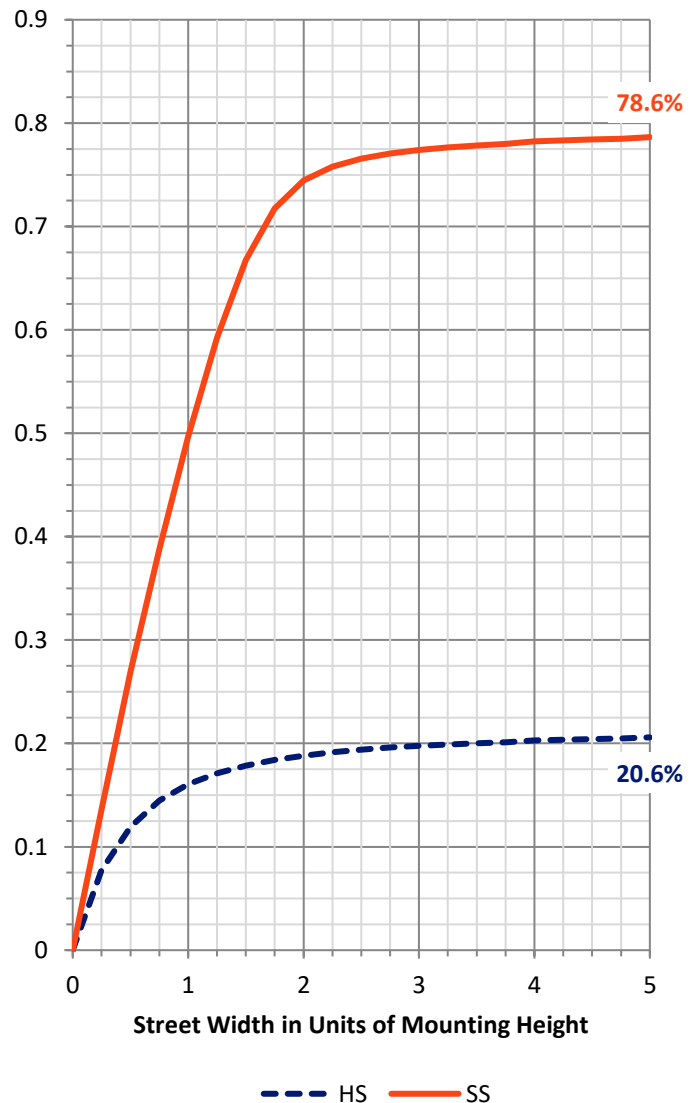
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1929.2	0.0	1929.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	7237.7	0.0	7237.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	9167.0	0.0	9167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	1.3
10°-20°	367.9	4.0
20°-30°	636.6	6.9
30°-40°	940.3	10.3
40°-50°	1398.2	15.3
50°-60°	1916.9	20.9
60°-70°	2079.3	22.7
70°-80°	1465.9	16.0
80°-90°	243.6	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°	9167.0	100.0
0°-180°	9167.0	100.0

Coefficient of Utilization



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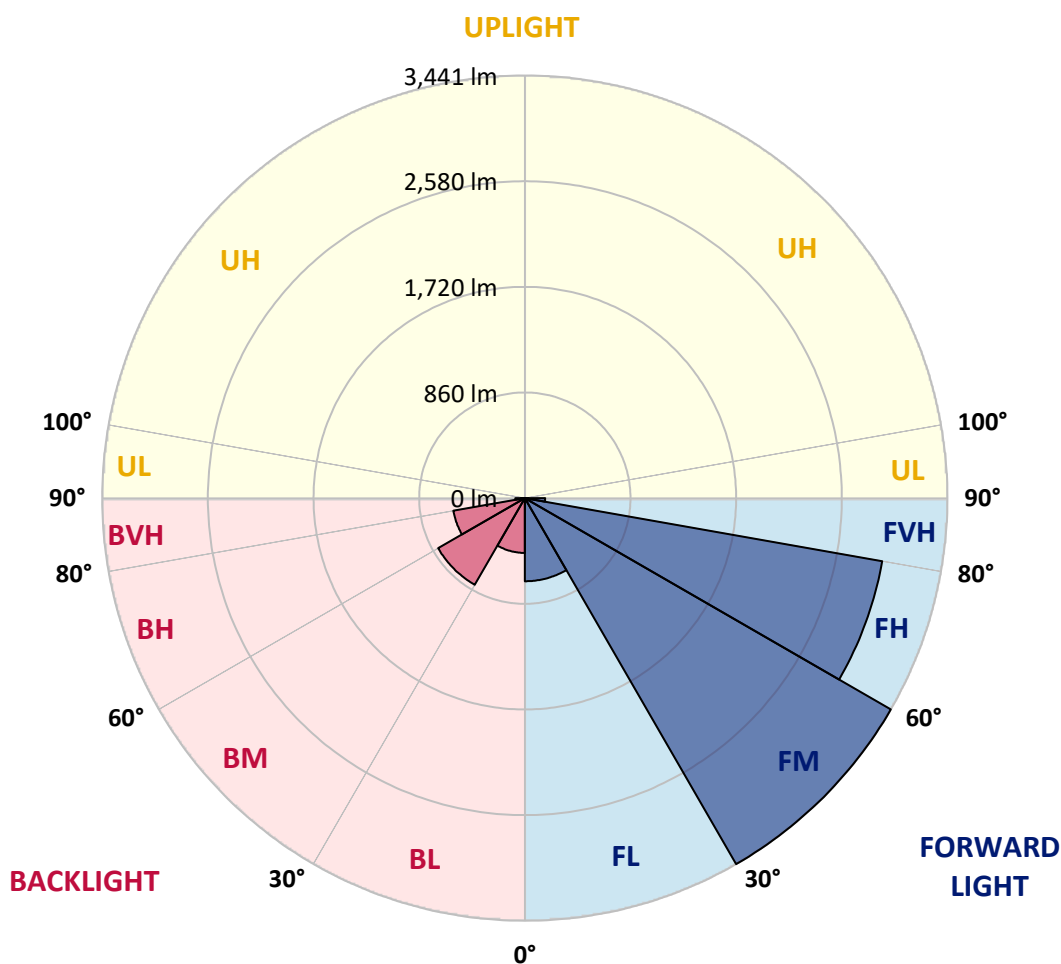
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	676.9	7.4			
FM	(30°-60°)	3440.5	37.5			
FH	(60°-80°)	2954.2	32.2			G2/5000
FVH	(80°-90°)	166.1	1.8			G2/225
BL	(0°-30°)	445.9	4.9	B1/500		
BM	(30°-60°)	814.8	8.9	B1/1000		
BH	(60°-80°)	591.0	6.4	B2/1000		G2/1000
BVH	(80°-90°)	77.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5
2.5°	1292.2	1292.2	1282.0	1278.6	1278.6	1251.6	1255.0	1238.1	1224.5	1224.5	1211.0
5°	1359.8	1353.1	1353.1	1353.1	1336.1	1326.0	1322.6	1292.2	1268.5	1271.9	1231.3
7.5°	1376.7	1380.1	1383.5	1400.4	1390.3	1397.0	1390.3	1356.4	1339.5	1322.6	1285.4
10°	1386.9	1393.7	1393.7	1417.3	1417.3	1434.2	1444.4	1430.9	1400.4	1383.5	1322.6
12.5°	1410.6	1400.4	1414.0	1430.9	1447.8	1478.2	1508.7	1495.1	1474.8	1454.5	1386.9
15°	1410.6	1414.0	1424.1	1451.2	1478.2	1508.7	1562.8	1583.1	1572.9	1535.7	1464.7
17.5°	1370.0	1359.8	1407.2	1457.9	1508.7	1545.9	1616.9	1664.3	1657.5	1644.0	1535.7
20°	1373.4	1383.5	1400.4	1444.4	1525.6	1593.2	1681.2	1759.0	1775.9	1769.1	1630.4
22.5°	1434.2	1437.6	1454.5	1474.8	1539.1	1627.1	1759.0	1884.1	1914.6	1897.7	1735.3
25°	1495.1	1522.2	1522.2	1535.7	1559.4	1650.7	1809.7	1985.6	2029.6	2033.0	1843.5
27.5°	1593.2	1600.0	1620.3	1627.1	1647.4	1701.5	1867.2	2060.0	2161.5	2148.0	1941.6
30°	1708.2	1711.6	1725.2	1718.4	1721.8	1789.4	1921.3	2144.6	2283.3	2286.7	2046.5
32.5°	1843.5	1870.6	1877.4	1833.4	1840.2	1857.1	2005.9	2246.1	2435.5	2411.8	2137.8
35°	2043.1	2053.3	2033.0	2012.7	1961.9	1951.8	2093.9	2347.6	2567.4	2594.5	2273.1
37.5°	2290.1	2317.1	2290.1	2181.8	2127.7	2087.1	2202.1	2459.2	2726.4	2817.8	2408.5
40°	2520.1	2516.7	2489.6	2391.5	2296.8	2266.4	2357.7	2614.8	2973.4	3061.3	2604.6
42.5°	2706.1	2696.0	2679.1	2604.6	2516.7	2466.0	2537.0	2777.2	3179.7	3348.8	2831.3
45°	2868.5	2855.0	2858.3	2773.8	2689.2	2716.3	2716.3	2963.2	3423.2	3633.0	3091.7
47.5°	3020.7	3027.5	3017.3	2953.1	2888.8	2959.8	2922.6	3176.3	3663.4	3896.8	3311.6
50°	3196.6	3210.1	3176.3	3135.7	3078.2	3149.3	3101.9	3375.9	3819.0	4137.0	3575.5
52.5°	3362.4	3375.9	3406.3	3355.6	3298.1	3355.6	3247.4	3561.9	4025.4	4370.4	3778.4
55°	3403.0	3396.2	3565.3	3619.4	3649.9	3477.4	3375.9	3720.9	4187.7	4519.2	4008.4
57.5°	3216.9	3233.8	3463.8	3619.4	3944.2	3795.3	3521.3	3907.0	4356.9	4715.4	4221.6
60°	2753.5	2763.6	3051.2	3419.9	3893.4	4093.0	3913.7	4147.1	4542.9	4881.2	4461.7
62.5°	1840.2	1918.0	2276.5	2855.0	3534.9	4174.2	4539.5	4553.1	4769.5	5090.9	4789.8
65°	970.8	1008.0	1288.8	1755.6	2679.1	3893.4	5128.1	5358.1	5222.8	5476.5	5263.4
67.5°	635.9	649.5	801.7	1065.5	1545.9	2841.4	5195.8	6755.2	6132.8	6210.6	6021.1
70°	473.6	480.3	592.0	788.2	957.3	1518.8	4258.8	7408.0	7404.6	7198.3	6920.9
72.5°	348.4	358.6	436.4	602.1	737.4	818.6	2394.9	6626.6	7793.6	7688.8	6975.0
75°	274.0	280.8	321.4	466.8	595.3	537.8	1214.4	4908.2	6609.7	7113.7	6383.1
77.5°	223.3	230.0	253.7	338.3	477.0	416.1	581.8	3166.2	4482.0	5121.3	4884.6
80°	186.0	186.0	203.0	240.2	368.7	314.6	345.0	1779.3	2415.2	2665.5	2215.6
82.5°	159.0	155.6	169.1	175.9	274.0	226.6	223.3	805.1	1062.2	1126.4	832.1
85°	101.5	104.9	159.0	152.2	179.3	155.6	125.2	382.2	500.6	510.8	311.2
87.5°	40.6	40.6	67.7	84.6	101.5	94.7	60.9	172.5	219.9	219.9	87.9
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°	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5	1197.5
2.5°	1207.6	1194.1	1183.9	1177.2	1160.3	1143.3	1146.7	1143.3	1129.8	1123.0	1123.0
5°	1221.1	1207.6	1190.7	1163.6	1146.7	1126.4	1133.2	1119.7	1106.1	1116.3	1099.4
7.5°	1255.0	1231.3	1207.6	1167.0	1140.0	1109.5	1096.0	1089.2	1079.1	1072.3	1072.3
10°	1302.3	1268.5	1224.5	1163.6	1119.7	1072.3	1065.5	1052.0	1041.9	1041.9	1038.5
12.5°	1349.7	1312.5	1238.1	1140.0	1065.5	1031.7	1028.3	1031.7	1038.5	1041.9	1045.2
15°	1410.6	1349.7	1234.7	1096.0	1021.6	1008.0	1024.9	1038.5	1052.0	1065.5	1062.2
17.5°	1468.1	1397.0	1204.2	1041.9	984.4	987.7	1018.2	1045.2	1072.3	1085.8	1089.2
20°	1545.9	1441.0	1160.3	977.6	947.1	977.6	1018.2	1052.0	1082.5	1099.4	1102.7
22.5°	1633.8	1491.8	1102.7	920.1	916.7	947.1	987.7	1038.5	1072.3	1102.7	1099.4
25°	1711.6	1525.6	1028.3	872.7	879.5	899.8	947.1	1001.3	1035.1	1068.9	1058.8
27.5°	1762.4	1532.3	950.5	838.9	838.9	859.2	903.2	937.0	967.4	994.5	997.9
30°	1819.9	1518.8	862.6	794.9	794.9	822.0	838.9	859.2	876.1	882.9	889.6
32.5°	1887.5	1488.4	808.5	761.1	761.1	781.4	791.5	784.8	781.4	764.5	774.6
35°	1951.8	1444.4	747.6	717.1	730.7	740.8	737.4	717.1	696.8	666.4	656.2
37.5°	2029.6	1400.4	693.4	669.8	693.4	696.8	696.8	673.1	646.1	608.9	608.9
40°	2148.0	1366.6	649.5	639.3	663.0	659.6	642.7	625.8	635.9	615.6	615.6
42.5°	2273.1	1353.1	608.9	612.3	622.4	625.8	608.9	588.6	629.2	605.5	608.9
45°	2428.7	1363.2	581.8	578.4	602.1	598.7	588.6	571.7	585.2	524.3	507.4
47.5°	2574.2	1383.5	568.3	554.8	581.8	588.6	575.1	537.8	517.5	480.3	473.6
50°	2706.1	1427.5	554.8	527.7	554.8	568.3	544.6	504.0	480.3	456.7	456.7
52.5°	2831.3	1491.8	548.0	497.3	520.9	537.8	524.3	483.7	456.7	446.5	436.4
55°	2959.8	1549.3	537.8	477.0	483.7	517.5	514.2	460.0	433.0	433.0	429.6
57.5°	3142.5	1627.1	524.3	443.1	456.7	493.9	493.9	449.9	419.4	422.8	426.2
60°	3328.5	1718.4	510.8	409.3	419.4	470.2	477.0	436.4	409.3	412.7	409.3
62.5°	3626.2	1887.5	483.7	368.7	389.0	439.7	456.7	419.4	395.8	402.5	402.5
65°	4076.1	2178.4	426.2	334.9	358.6	412.7	436.4	402.5	375.5	395.8	389.0
67.5°	4800.0	2577.6	358.6	307.8	338.3	385.6	412.7	382.2	358.6	389.0	378.9
70°	5449.5	2773.8	307.8	284.1	307.8	355.2	385.6	361.9	338.3	368.7	355.2
72.5°	5185.6	2175.0	267.2	257.1	280.8	321.4	358.6	334.9	311.2	328.1	314.6
75°	4475.3	1731.9	233.4	230.0	250.3	290.9	328.1	311.2	287.5	294.3	287.5
77.5°	3392.8	1430.9	199.6	196.2	213.1	260.5	294.3	280.8	257.1	253.7	253.7
80°	1515.4	703.6	165.8	165.8	175.9	223.3	250.3	243.6	219.9	216.5	213.1
82.5°	497.3	267.2	135.3	128.5	142.1	186.0	223.3	216.5	192.8	186.0	179.3
85°	199.6	128.5	98.1	98.1	111.6	155.6	199.6	186.0	155.6	138.7	138.7
87.5°	67.7	54.1	50.7	50.7	71.0	104.9	148.8	125.2	111.6	98.1	101.5
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)