

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: P675761

Luminaire Tested: **CCW-SA-2C-835-U-SL4**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675761
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-835-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL4 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

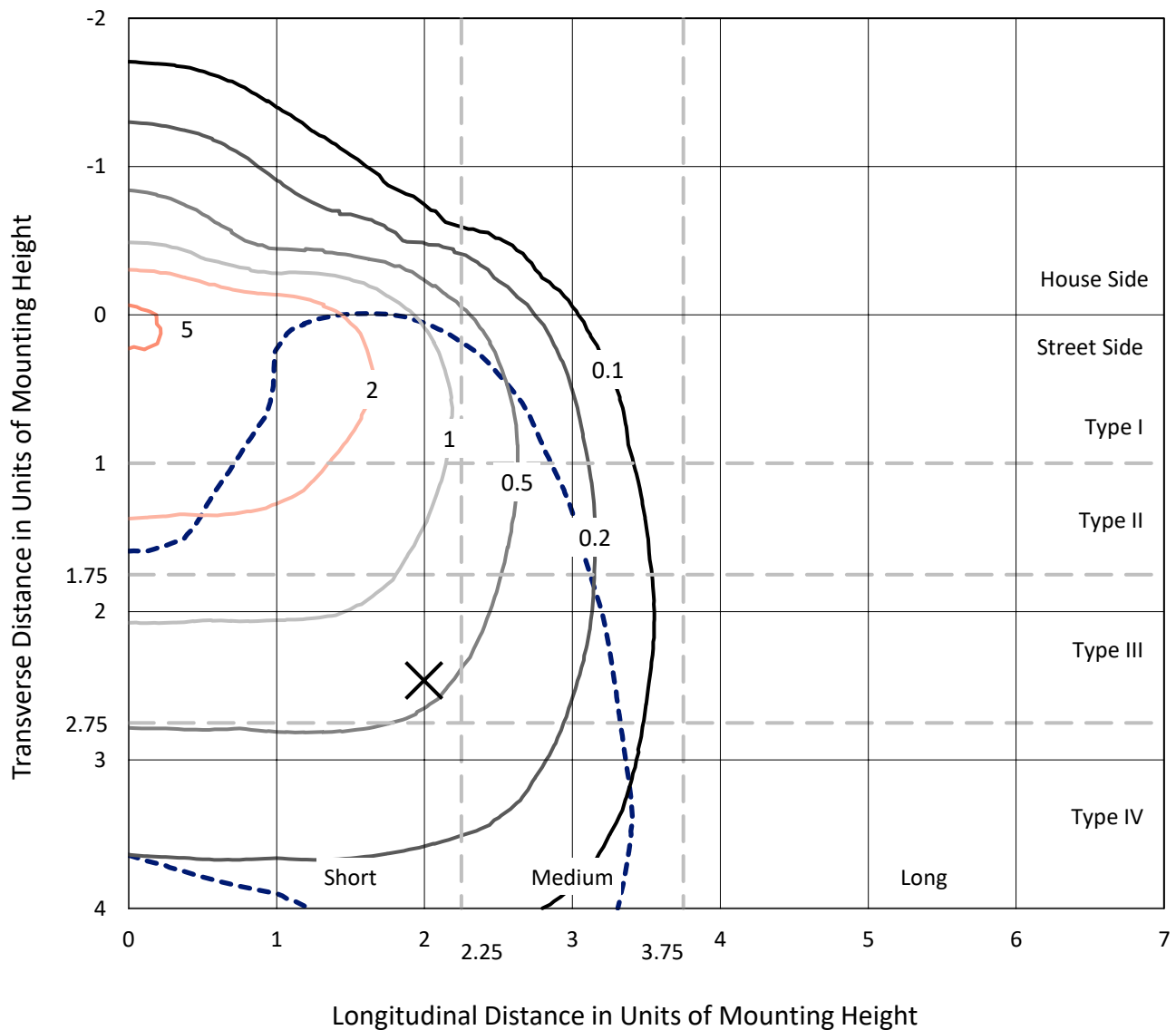
Lumens per Lamp: N/A
Luminaire Lumens: 7300.6 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

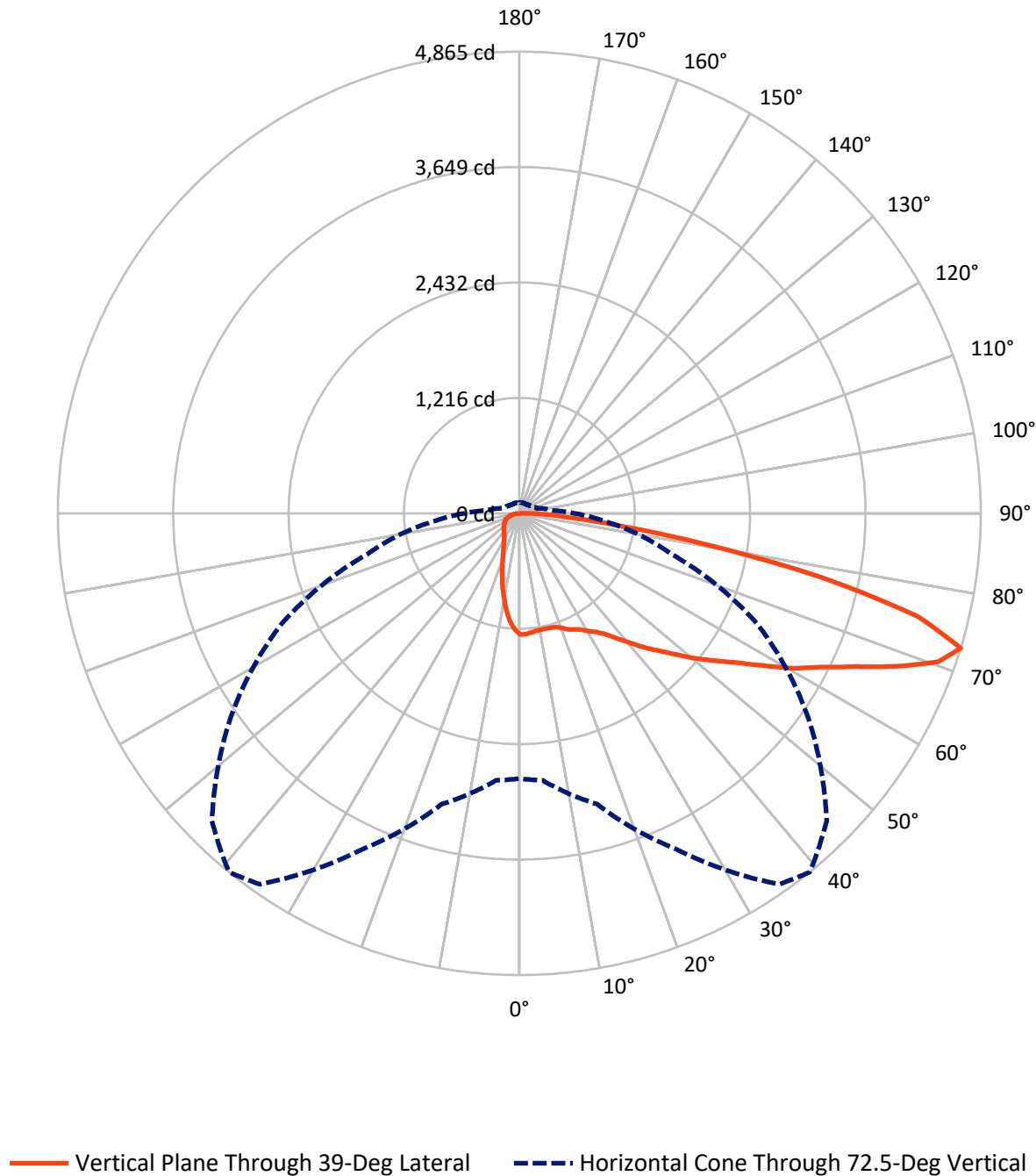
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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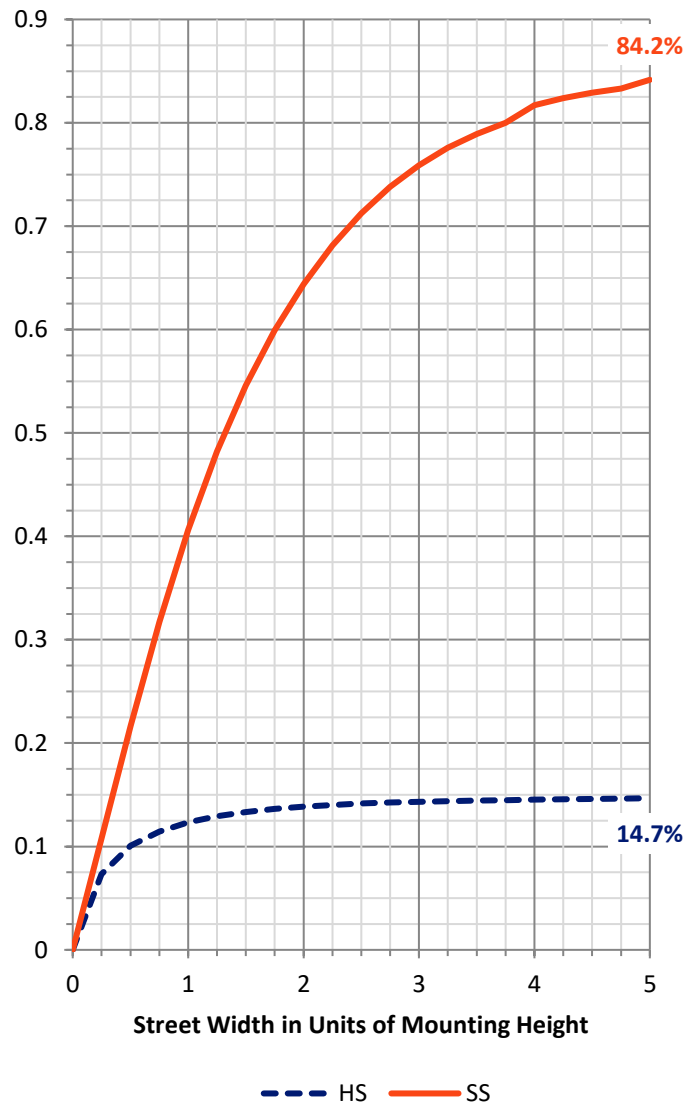
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1085.0	0.0	1085.0
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	6215.6	0.0	6215.6
	% Fixture	85.1	0.0	85.1
Total	Lumens	7300.6	0.0	7300.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	1.5
10°-20°	288.2	3.9
20°-30°	439.1	6.0
30°-40°	642.3	8.8
40°-50°	983.4	13.5
50°-60°	1442.2	19.8
60°-70°	1839.4	25.2
70°-80°	1329.0	18.2
80°-90°	224.2	3.1
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°	7300.6	100.0
0°-180°	7300.6	100.0

Coefficient of Utilization



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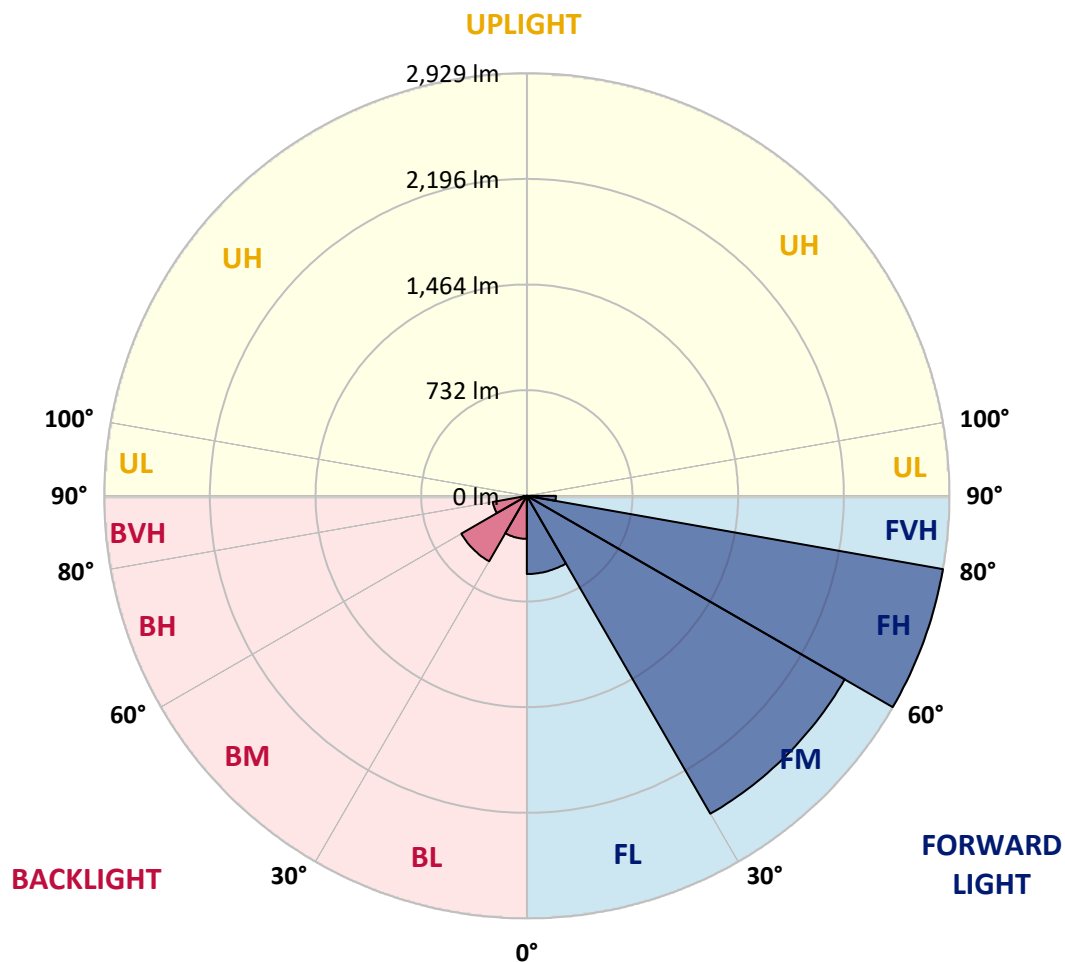
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.8	7.4			
FM	(30°-60°)	2543.7	34.8			
FH	(60°-80°)	2928.6	40.1			G2/5000
FVH	(80°-90°)	201.5	2.8			G2/225
BL	(0°-30°)	298.4	4.1	B1/500		
BM	(30°-60°)	524.2	7.2	B1/1000		
BH	(60°-80°)	239.7	3.3	B1/500		G1/500
BVH	(80°-90°)	22.7	0.3			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9
2.5°	1297.1	1299.9	1294.4	1288.9	1286.2	1275.2	1286.2	1280.7	1275.2	1275.2	1275.2
5°	1280.7	1283.4	1283.4	1277.9	1280.7	1261.5	1258.7	1261.5	1253.3	1247.8	1245.0
7.5°	1256.0	1261.5	1272.4	1269.7	1258.7	1250.5	1253.3	1250.5	1236.8	1228.6	1206.6
10°	1236.8	1242.3	1247.8	1253.3	1250.5	1247.8	1245.0	1234.1	1231.3	1212.1	1190.2
12.5°	1217.6	1217.6	1220.3	1242.3	1245.0	1245.0	1228.6	1228.6	1220.3	1217.6	1184.7
15°	1198.4	1206.6	1228.6	1234.1	1245.0	1250.5	1242.3	1242.3	1228.6	1209.4	1184.7
17.5°	1203.9	1217.6	1239.5	1253.3	1258.7	1258.7	1269.7	1261.5	1242.3	1231.3	1206.6
20°	1231.3	1234.1	1261.5	1286.2	1291.6	1291.6	1280.7	1272.4	1258.7	1239.5	1206.6
22.5°	1247.8	1267.0	1299.9	1313.6	1330.0	1330.0	1316.3	1297.1	1277.9	1258.7	1223.1
25°	1319.1	1321.8	1335.5	1357.5	1365.7	1354.7	1341.0	1319.1	1294.4	1275.2	1242.3
27.5°	1368.4	1382.1	1398.6	1409.6	1395.9	1387.6	1376.7	1352.0	1332.8	1316.3	1269.7
30°	1458.9	1442.5	1453.4	1458.9	1434.2	1439.7	1409.6	1387.6	1365.7	1365.7	1313.6
32.5°	1513.8	1527.5	1516.5	1513.8	1494.6	1491.8	1472.6	1448.0	1434.2	1450.7	1379.4
35°	1609.8	1601.5	1601.5	1598.8	1576.8	1563.1	1563.1	1519.3	1533.0	1568.6	1480.9
37.5°	1659.1	1656.4	1672.8	1686.5	1664.6	1672.8	1664.6	1645.4	1650.9	1714.0	1607.0
40°	1708.5	1727.7	1760.6	1766.1	1779.8	1790.7	1785.3	1782.5	1804.5	1905.9	1777.0
42.5°	1755.1	1771.6	1820.9	1864.8	1897.7	1933.4	1936.1	1936.1	2007.4	2152.7	1982.7
45°	1815.4	1829.1	1897.7	1985.5	2040.3	2065.0	2086.9	2111.6	2207.6	2380.4	2202.1
47.5°	1897.7	1908.7	1990.9	2100.6	2207.6	2221.3	2265.2	2292.6	2437.9	2613.5	2427.0
50°	2015.6	2007.4	2073.2	2232.3	2336.5	2402.3	2465.4	2514.7	2657.3	2849.3	2602.5
52.5°	2111.6	2111.6	2161.0	2372.1	2514.7	2577.8	2643.6	2712.2	2876.7	3085.1	2745.1
55°	2276.1	2259.7	2289.9	2509.2	2714.9	2775.3	2901.4	2959.0	3118.0	3260.6	2865.7
57.5°	2388.6	2396.8	2432.5	2690.2	2950.8	3024.8	3151.0	3192.1	3331.9	3444.4	2953.5
60°	2536.7	2509.2	2586.0	2890.4	3211.3	3315.5	3419.7	3444.4	3548.6	3562.3	2994.6
62.5°	2679.3	2673.8	2739.6	3090.6	3491.0	3565.0	3672.0	3699.4	3743.3	3655.5	2937.0
65°	2767.0	2802.7	2926.1	3310.0	3809.1	3891.4	3998.3	3943.5	3894.1	3573.3	2654.6
67.5°	2887.7	2904.1	3093.4	3548.6	4176.6	4300.0	4393.2	4176.6	3809.1	3236.0	2235.0
70°	2915.1	2959.0	3205.8	3798.1	4555.0	4681.2	4686.7	4097.1	3499.2	2632.6	1620.7
72.5°	2794.4	2824.6	3172.9	3902.4	4771.7	4864.9	4582.5	3704.9	2772.5	1659.1	883.0
75°	2350.2	2435.2	2761.5	3581.5	4374.0	4338.4	3883.2	2827.4	1664.6	734.9	373.0
77.5°	1637.2	1639.9	1980.0	2605.2	3274.4	3266.1	2769.8	1639.9	713.0	296.2	219.4
80°	726.7	778.8	984.5	1404.1	1988.2	1988.2	1615.2	814.5	356.5	192.0	150.8
82.5°	427.8	444.3	526.5	655.4	968.0	1020.2	773.3	543.0	244.1	120.7	93.2
85°	315.4	342.8	392.2	394.9	458.0	466.2	427.8	471.7	167.3	65.8	76.8
87.5°	235.8	252.3	312.6	260.5	244.1	230.4	263.3	482.7	63.1	32.9	24.7
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°	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9	1277.9
2.5°	1264.2	1264.2	1258.7	1247.8	1247.8	1225.8	1231.3	1236.8	1223.1	1223.1	1225.8
5°	1245.0	1234.1	1220.3	1203.9	1192.9	1162.8	1157.3	1138.1	1135.3	1129.8	1121.6
7.5°	1206.6	1190.2	1165.5	1140.8	1105.2	1077.7	1044.8	1017.4	1006.4	998.2	995.5
10°	1171.0	1168.2	1127.1	1077.7	1022.9	970.8	921.4	885.8	863.8	850.1	847.4
12.5°	1171.0	1149.0	1091.5	1022.9	943.4	866.6	803.5	754.1	724.0	702.0	693.8
15°	1165.5	1143.6	1066.8	962.6	872.1	767.9	680.1	628.0	584.1	562.2	564.9
17.5°	1171.0	1138.1	1031.1	918.7	792.5	680.1	575.9	512.8	468.9	452.5	449.7
20°	1173.7	1132.6	1003.7	858.4	710.3	584.1	485.4	425.1	392.2	381.2	381.2
22.5°	1168.2	1116.1	962.6	787.1	639.0	504.6	422.3	370.2	348.3	334.6	340.1
25°	1192.9	1113.4	924.2	726.7	556.7	438.8	375.7	337.3	323.6	315.4	318.1
27.5°	1198.4	1113.4	894.0	658.2	485.4	389.4	340.1	315.4	304.4	298.9	296.2
30°	1220.3	1118.9	858.4	589.6	427.8	351.0	312.6	298.9	290.7	287.9	287.9
32.5°	1280.7	1135.3	820.0	532.0	378.4	318.1	293.4	282.5	277.0	274.2	277.0
35°	1352.0	1179.2	778.8	471.7	342.8	296.2	277.0	268.7	266.0	266.0	266.0
37.5°	1461.7	1245.0	743.2	422.3	312.6	274.2	260.5	257.8	255.0	257.8	257.8
40°	1587.8	1316.3	710.3	383.9	290.7	260.5	246.8	246.8	244.1	246.8	249.6
42.5°	1733.2	1404.1	677.4	345.5	271.5	249.6	238.6	235.8	233.1	238.6	241.3
45°	1933.4	1524.7	655.4	323.6	257.8	238.6	227.6	227.6	224.9	224.9	230.4
47.5°	2100.6	1639.9	655.4	301.7	249.6	230.4	219.4	219.4	213.9	216.6	216.6
50°	2240.5	1738.6	669.1	296.2	238.6	222.1	213.9	208.4	205.7	205.7	205.7
52.5°	2333.7	1799.0	680.1	290.7	233.1	211.2	205.7	202.9	197.4	194.7	197.4
55°	2427.0	1840.1	682.8	290.7	224.9	200.2	194.7	194.7	189.2	186.5	186.5
57.5°	2462.6	1823.7	644.5	285.2	219.4	192.0	186.5	183.7	181.0	178.3	178.3
60°	2446.2	1763.3	559.4	271.5	213.9	186.5	175.5	175.5	175.5	170.0	172.8
62.5°	2333.7	1557.7	449.7	249.6	205.7	175.5	164.5	170.0	170.0	167.3	167.3
65°	2037.6	1286.2	364.7	230.4	194.7	167.3	156.3	164.5	167.3	164.5	161.8
67.5°	1629.0	990.0	301.7	208.4	181.0	153.6	145.3	153.6	156.3	153.6	153.6
70°	1118.9	639.0	244.1	186.5	161.8	139.9	131.6	137.1	137.1	139.9	139.9
72.5°	578.6	345.5	200.2	159.1	139.9	126.1	117.9	117.9	115.2	115.2	115.2
75°	287.9	235.8	167.3	134.4	117.9	107.0	101.5	96.0	96.0	96.0	96.0
77.5°	200.2	181.0	137.1	107.0	96.0	87.8	87.8	79.5	79.5	79.5	79.5
80°	150.8	142.6	104.2	82.3	74.0	68.6	68.6	65.8	65.8	63.1	63.1
82.5°	107.0	115.2	79.5	60.3	54.8	52.1	52.1	49.4	49.4	43.9	43.9
85°	85.0	96.0	60.3	43.9	41.1	35.7	35.7	32.9	32.9	30.2	27.4
87.5°	24.7	52.1	24.7	16.5	16.5	16.5	16.5	13.7	13.7	11.0	11.0
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)