

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: P674897

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

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674897
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-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

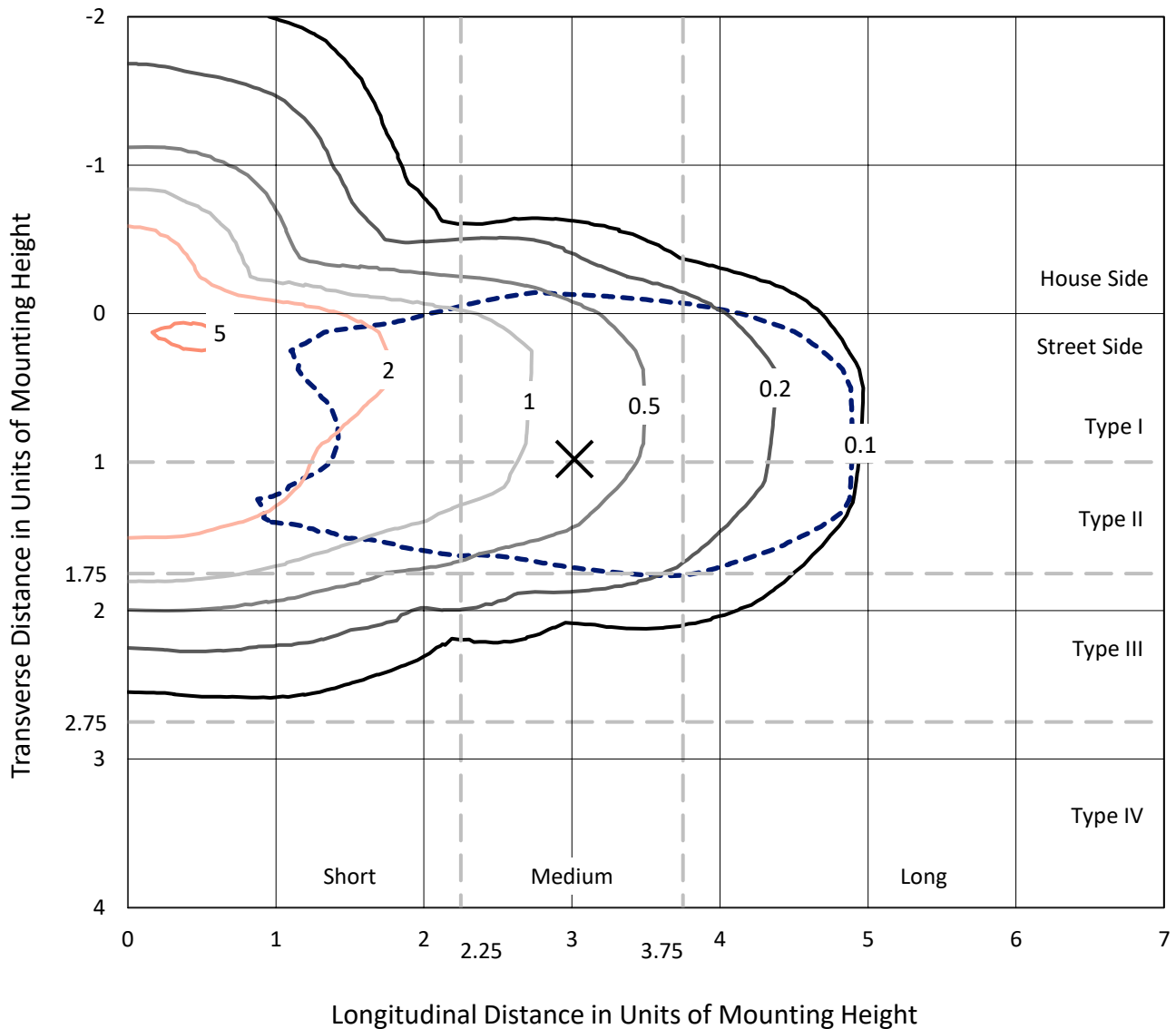
Lumens per Lamp: N/A
Luminaire Lumens: 7431.6 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

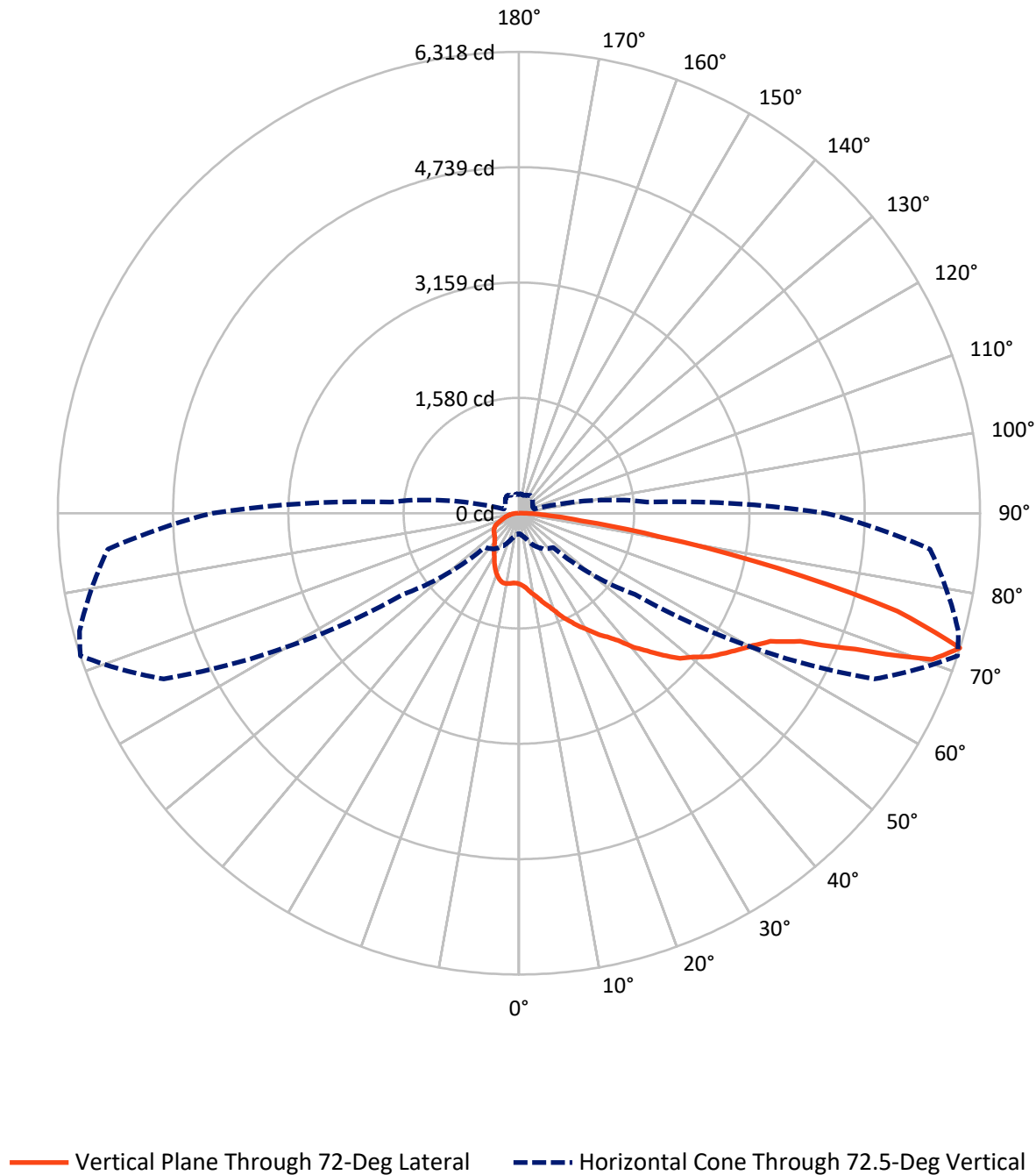


Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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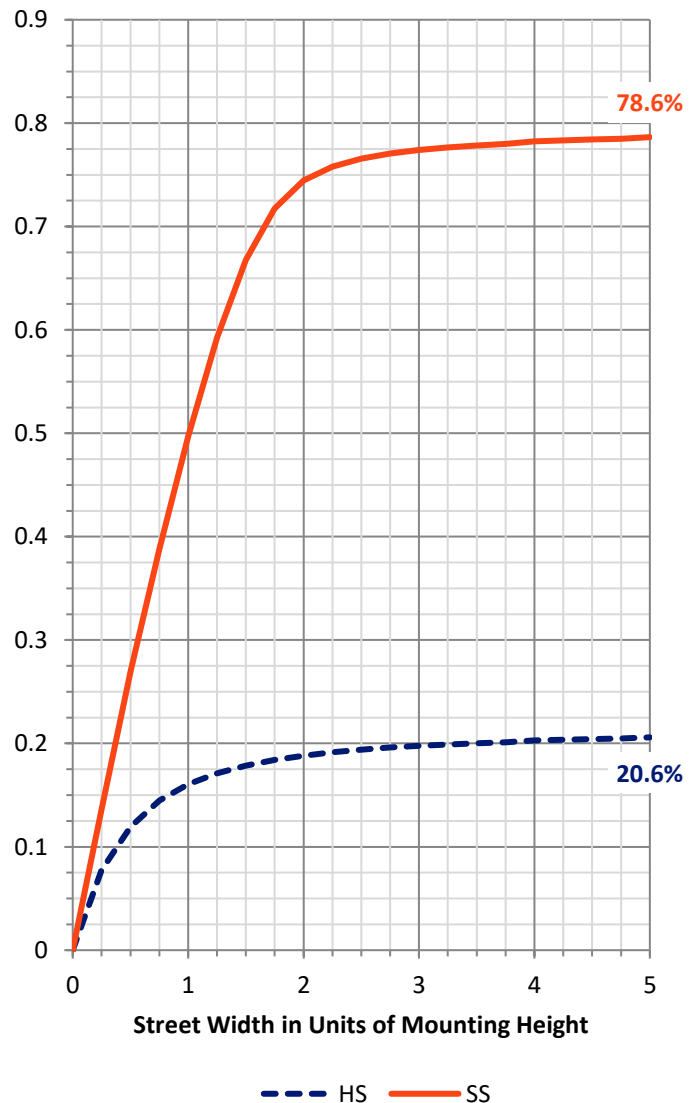
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.0	0.0	1564.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5867.6	0.0	5867.6
	% Fixture	79.0	0.0	79.0
Total	Lumens	7431.6	0.0	7431.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	1.3
10°-20°	298.2	4.0
20°-30°	516.1	6.9
30°-40°	762.3	10.3
40°-50°	1133.5	15.3
50°-60°	1554.0	20.9
60°-70°	1685.7	22.7
70°-80°	1188.4	16.0
80°-90°	197.5	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°	7431.6	100.0
0°-180°	7431.6	100.0

Coefficient of Utilization



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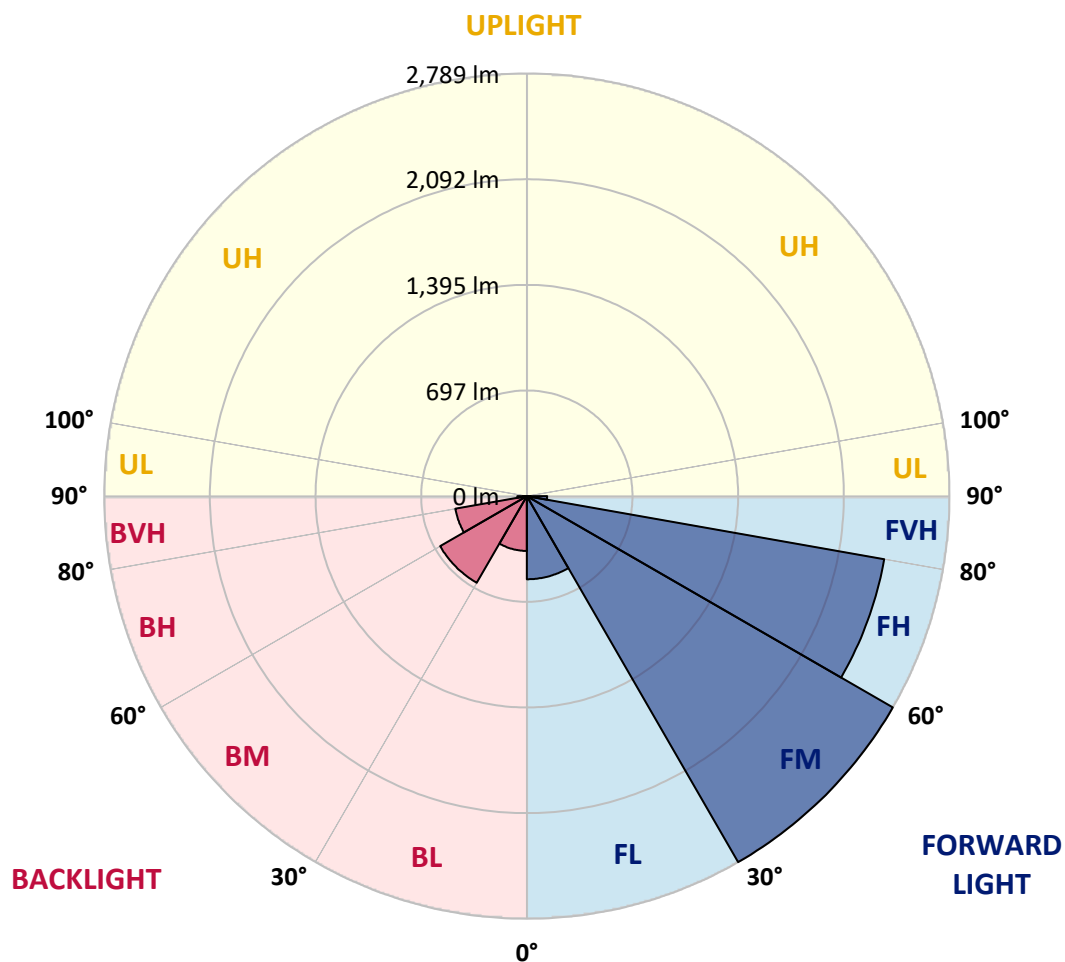
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	548.8	7.4			
FM	(30°-60°)	2789.2	37.5			
FH	(60°-80°)	2395.0	32.2			G2/5000
FVH	(80°-90°)	134.6	1.8			G2/225
BL	(0°-30°)	361.5	4.9	B1/500		
BM	(30°-60°)	660.6	8.9	B1/1000		
BH	(60°-80°)	479.1	6.4	B1/500		G1/500
BVH	(80°-90°)	62.8	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8
2.5°	1047.6	1047.6	1039.3	1036.6	1036.6	1014.7	1017.4	1003.7	992.7	992.7	981.7
5°	1102.4	1096.9	1096.9	1096.9	1083.2	1075.0	1072.2	1047.6	1028.4	1031.1	998.2
7.5°	1116.1	1118.9	1121.6	1135.3	1127.1	1132.6	1127.1	1099.7	1086.0	1072.2	1042.1
10°	1124.3	1129.8	1129.8	1149.0	1149.0	1162.7	1171.0	1160.0	1135.3	1121.6	1072.2
12.5°	1143.5	1135.3	1146.3	1160.0	1173.7	1198.4	1223.1	1212.1	1195.6	1179.2	1124.3
15°	1143.5	1146.3	1154.5	1176.5	1198.4	1223.1	1266.9	1283.4	1275.2	1245.0	1187.4
17.5°	1110.6	1102.4	1140.8	1181.9	1223.1	1253.2	1310.8	1349.2	1343.7	1332.8	1245.0
20°	1113.4	1121.6	1135.3	1171.0	1236.8	1291.6	1362.9	1426.0	1439.7	1434.2	1321.8
22.5°	1162.7	1165.5	1179.2	1195.6	1247.8	1319.1	1426.0	1527.5	1552.1	1538.4	1406.8
25°	1212.1	1234.0	1234.0	1245.0	1264.2	1338.2	1467.1	1609.7	1645.4	1648.1	1494.6
27.5°	1291.6	1297.1	1313.6	1319.1	1335.5	1379.4	1513.8	1670.1	1752.3	1741.4	1574.1
30°	1384.9	1387.6	1398.6	1393.1	1395.8	1450.7	1557.6	1738.6	1851.1	1853.8	1659.1
32.5°	1494.6	1516.5	1522.0	1486.3	1491.8	1505.5	1626.2	1820.9	1974.5	1955.3	1733.1
35°	1656.4	1664.6	1648.1	1631.7	1590.5	1582.3	1697.5	1903.2	2081.4	2103.4	1842.8
37.5°	1856.5	1878.5	1856.5	1768.8	1724.9	1692.0	1785.2	1993.7	2210.3	2284.3	1952.5
40°	2043.0	2040.3	2018.3	1938.8	1862.0	1837.3	1911.4	2119.8	2410.5	2481.8	2111.6
42.5°	2193.8	2185.6	2171.9	2111.6	2040.3	1999.1	2056.7	2251.4	2577.8	2714.9	2295.3
45°	2325.5	2314.5	2317.3	2248.7	2180.1	2202.1	2202.1	2402.3	2775.2	2945.2	2506.5
47.5°	2448.9	2454.4	2446.1	2394.0	2341.9	2399.5	2369.4	2575.0	2969.9	3159.1	2684.7
50°	2591.5	2602.5	2575.0	2542.1	2495.5	2553.1	2514.7	2736.8	3096.1	3353.8	2898.6
52.5°	2725.9	2736.8	2761.5	2720.4	2673.8	2720.4	2632.6	2887.7	3263.3	3543.1	3063.2
55°	2758.8	2753.3	2890.4	2934.3	2959.0	2819.1	2736.8	3016.5	3395.0	3663.7	3249.6
57.5°	2607.9	2621.6	2808.1	2934.3	3197.5	3076.9	2854.7	3167.4	3532.1	3822.8	3422.4
60°	2232.2	2240.5	2473.6	2772.5	3156.4	3318.2	3172.9	3362.1	3682.9	3957.2	3617.1
62.5°	1491.8	1554.9	1845.6	2314.5	2865.7	3384.0	3680.2	3691.1	3866.7	4127.2	3883.1
65°	787.0	817.2	1044.8	1423.3	2171.9	3156.4	4157.3	4343.8	4234.1	4439.8	4267.0
67.5°	515.6	526.5	649.9	863.8	1253.2	2303.5	4212.2	5476.4	4971.8	5034.9	4881.3
70°	383.9	389.4	479.9	639.0	776.1	1231.3	3452.6	6005.7	6002.9	5835.6	5610.8
72.5°	282.5	290.7	353.8	488.1	597.8	663.6	1941.6	5372.2	6318.3	6233.3	5654.6
75°	222.1	227.6	260.5	378.4	482.6	436.0	984.5	3979.1	5358.5	5767.1	5174.7
77.5°	181.0	186.5	205.7	274.2	386.7	337.3	471.7	2566.8	3633.6	4151.9	3959.9
80°	150.8	150.8	164.5	194.7	298.9	255.0	279.7	1442.5	1958.0	2160.9	1796.2
82.5°	128.9	126.1	137.1	142.6	222.1	183.7	181.0	652.7	861.1	913.2	674.6
85°	82.3	85.0	128.9	123.4	145.3	126.1	101.5	309.9	405.9	414.1	252.3
87.5°	32.9	32.9	54.8	68.6	82.3	76.8	49.4	139.9	178.3	178.3	71.3
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°	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8	970.8
2.5°	979.0	968.0	959.8	954.3	940.6	926.9	929.6	926.9	915.9	910.4	910.4
5°	990.0	979.0	965.3	943.4	929.6	913.2	918.7	907.7	896.7	905.0	891.3
7.5°	1017.4	998.2	979.0	946.1	924.2	899.5	888.5	883.0	874.8	869.3	869.3
10°	1055.8	1028.4	992.7	943.4	907.7	869.3	863.8	852.9	844.6	844.6	841.9
12.5°	1094.2	1064.0	1003.7	924.2	863.8	836.4	833.7	836.4	841.9	844.6	847.4
15°	1143.5	1094.2	1000.9	888.5	828.2	817.2	830.9	841.9	852.9	863.8	861.1
17.5°	1190.2	1132.6	976.3	844.6	798.0	800.8	825.4	847.4	869.3	880.3	883.0
20°	1253.2	1168.2	940.6	792.5	767.8	792.5	825.4	852.9	877.5	891.3	894.0
22.5°	1324.5	1209.4	894.0	745.9	743.2	767.8	800.8	841.9	869.3	894.0	891.3
25°	1387.6	1236.8	833.7	707.5	713.0	729.5	767.8	811.7	839.1	866.6	858.3
27.5°	1428.7	1242.3	770.6	680.1	680.1	696.5	732.2	759.6	784.3	806.2	809.0
30°	1475.4	1231.3	699.3	644.4	644.4	666.4	680.1	696.5	710.3	715.7	721.2
32.5°	1530.2	1206.6	655.4	617.0	617.0	633.5	641.7	636.2	633.5	619.8	628.0
35°	1582.3	1171.0	606.1	581.4	592.3	600.6	597.8	581.4	564.9	540.2	532.0
37.5°	1645.4	1135.3	562.2	543.0	562.2	564.9	564.9	545.7	523.8	493.6	493.6
40°	1741.4	1107.9	526.5	518.3	537.5	534.8	521.0	507.3	515.6	499.1	499.1
42.5°	1842.8	1096.9	493.6	496.4	504.6	507.3	493.6	477.2	510.1	490.9	493.6
45°	1969.0	1105.2	471.7	468.9	488.1	485.4	477.2	463.5	474.4	425.1	411.3
47.5°	2086.9	1121.6	460.7	449.7	471.7	477.2	466.2	436.0	419.6	389.4	383.9
50°	2193.8	1157.3	449.7	427.8	449.7	460.7	441.5	408.6	389.4	370.2	370.2
52.5°	2295.3	1209.4	444.3	403.1	422.3	436.0	425.1	392.2	370.2	362.0	353.8
55°	2399.5	1256.0	436.0	386.7	392.2	419.6	416.8	373.0	351.0	351.0	348.3
57.5°	2547.6	1319.1	425.1	359.2	370.2	400.4	400.4	364.7	340.0	342.8	345.5
60°	2698.4	1393.1	414.1	331.8	340.0	381.2	386.7	353.8	331.8	334.6	331.8
62.5°	2939.8	1530.2	392.2	298.9	315.4	356.5	370.2	340.0	320.9	326.3	326.3
65°	3304.5	1766.0	345.5	271.5	290.7	334.6	353.8	326.3	304.4	320.9	315.4
67.5°	3891.3	2089.6	290.7	249.6	274.2	312.6	334.6	309.9	290.7	315.4	307.1
70°	4417.9	2248.7	249.6	230.4	249.6	287.9	312.6	293.4	274.2	298.9	287.9
72.5°	4204.0	1763.3	216.6	208.4	227.6	260.5	290.7	271.5	252.3	266.0	255.0
75°	3628.1	1404.1	189.2	186.5	202.9	235.8	266.0	252.3	233.1	238.6	233.1
77.5°	2750.5	1160.0	161.8	159.1	172.8	211.2	238.6	227.6	208.4	205.7	205.7
80°	1228.6	570.4	134.4	134.4	142.6	181.0	202.9	197.4	178.3	175.5	172.8
82.5°	403.1	216.6	109.7	104.2	115.2	150.8	181.0	175.5	156.3	150.8	145.3
85°	161.8	104.2	79.5	79.5	90.5	126.1	161.8	150.8	126.1	112.4	112.4
87.5°	54.8	43.9	41.1	41.1	57.6	85.0	120.7	101.5	90.5	79.5	82.3
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)