

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: P674875

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674875
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6629.8 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

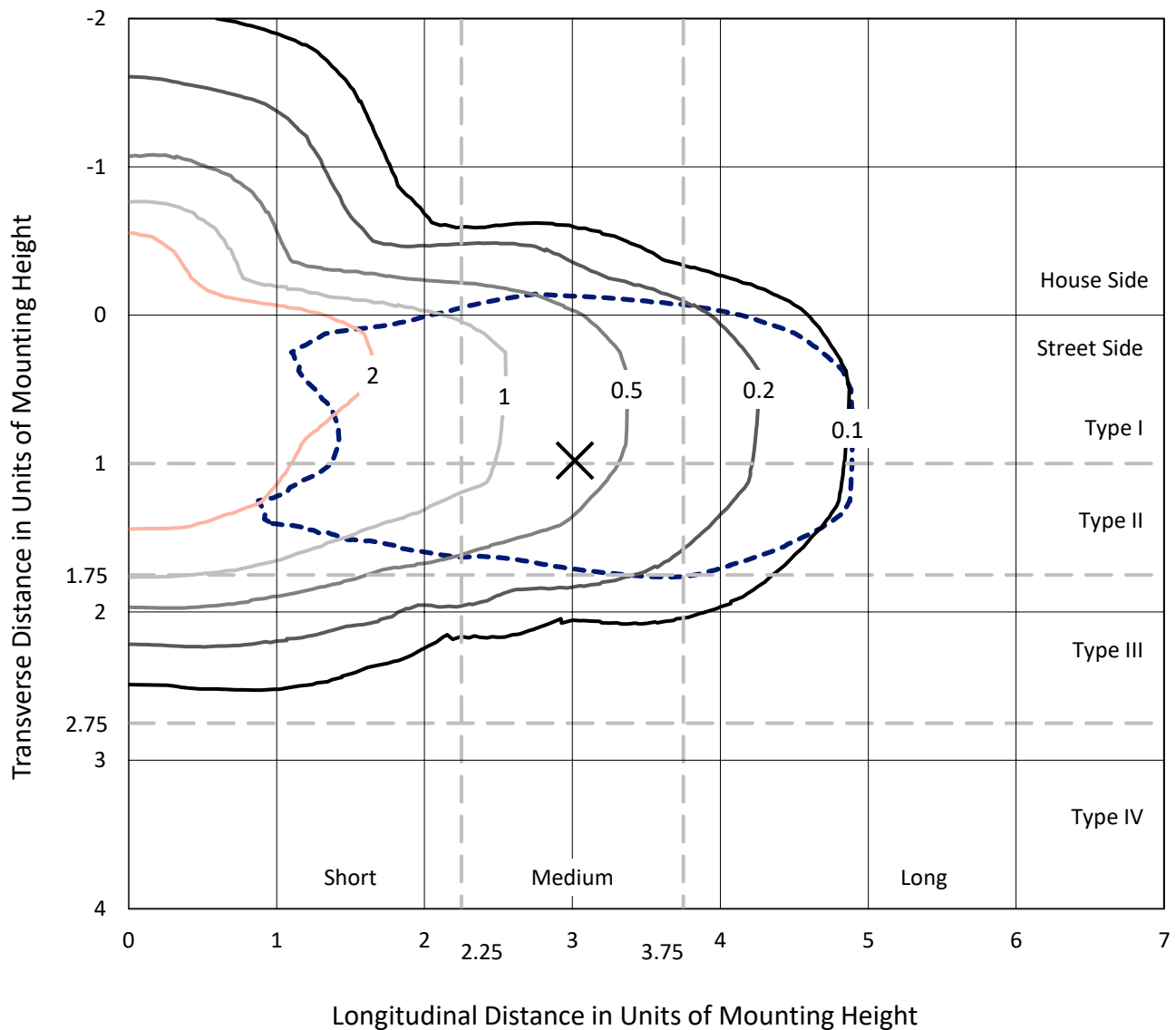
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

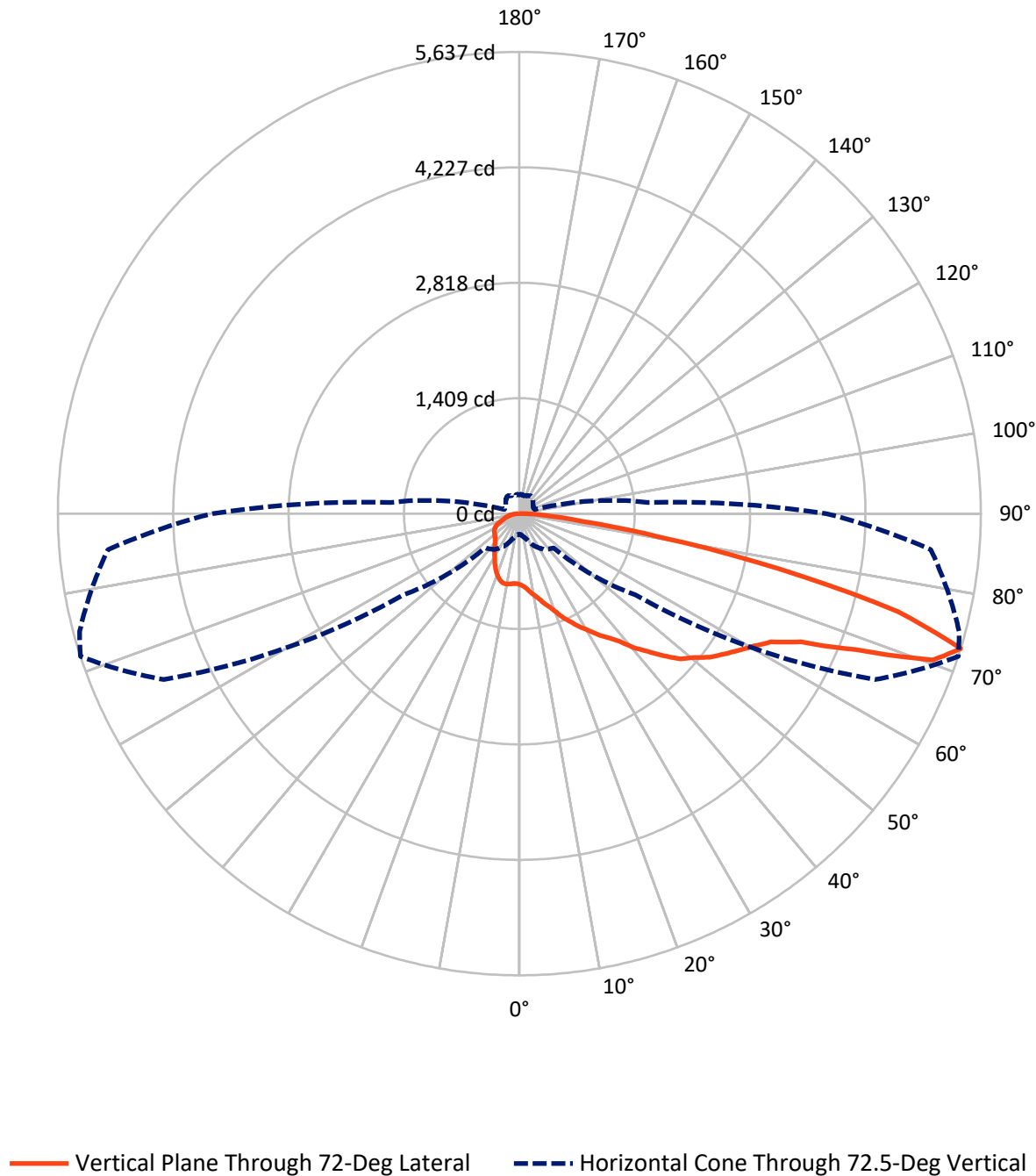
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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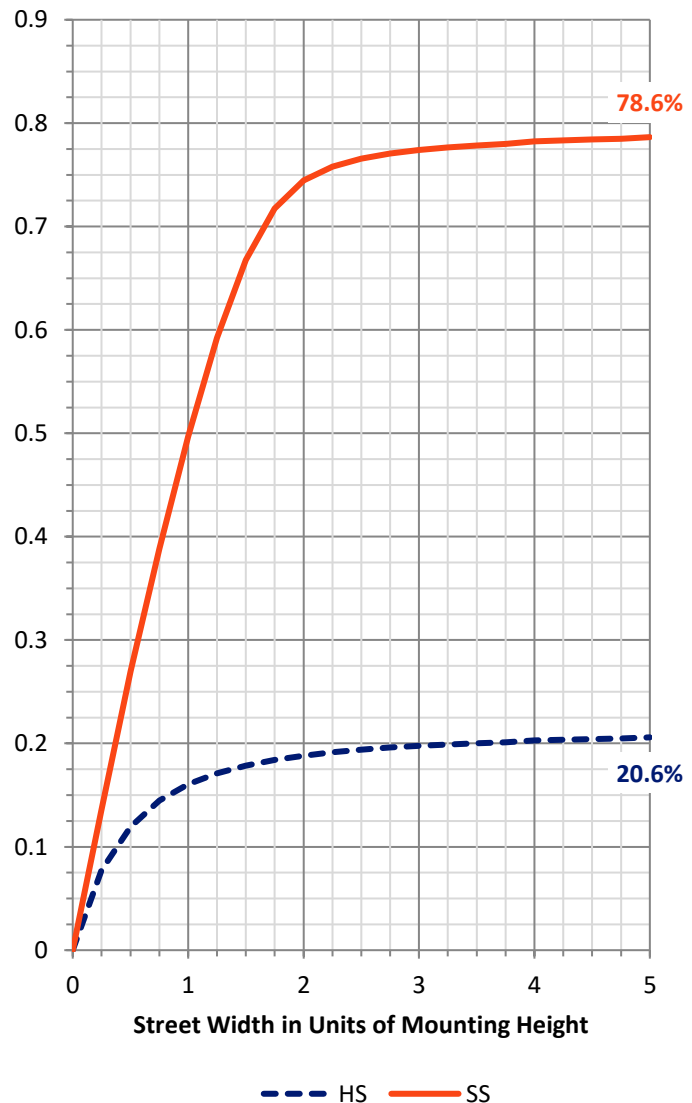
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1395.3	0.0	1395.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5234.6	0.0	5234.6
	% Fixture	79.0	0.0	79.0
Total	Lumens	6629.8	0.0	6629.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	1.3
10°-20°	266.1	4.0
20°-30°	460.4	6.9
30°-40°	680.0	10.3
40°-50°	1011.3	15.3
50°-60°	1386.4	20.9
60°-70°	1503.8	22.7
70°-80°	1060.2	16.0
80°-90°	176.2	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°	6629.8	100.0
0°-180°	6629.8	100.0

Coefficient of Utilization



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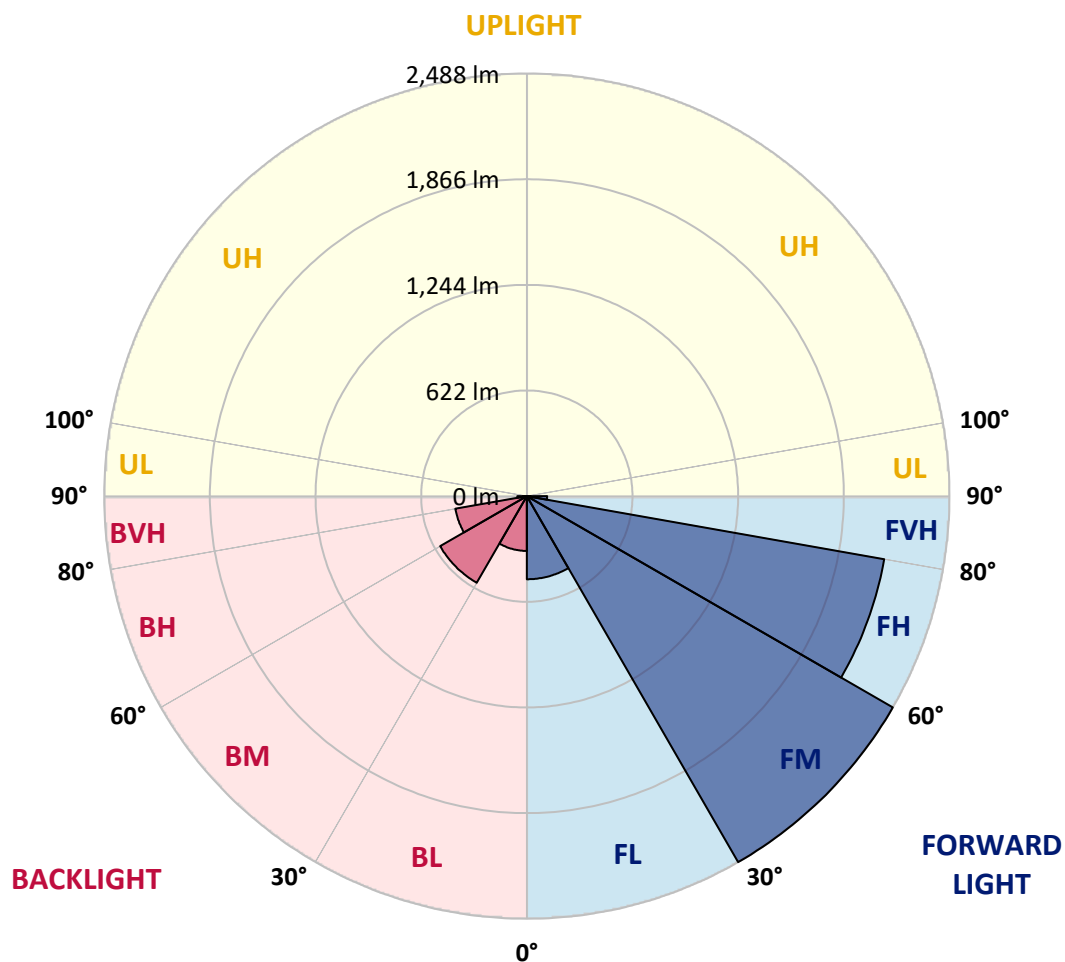
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.6	7.4			
FM	(30°-60°)	2488.3	37.5			
FH	(60°-80°)	2136.6	32.2			G2/5000
FVH	(80°-90°)	120.1	1.8			G2/225
BL	(0°-30°)	322.5	4.9	B1/500		
BM	(30°-60°)	589.3	8.9	B1/1000		
BH	(60°-80°)	427.4	6.4	B1/500		G1/500
BVH	(80°-90°)	56.1	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°	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0
2.5°	934.5	934.5	927.2	924.8	924.8	905.2	907.6	895.4	885.6	885.6	875.8
5°	983.5	978.6	978.6	978.6	966.3	959.0	956.6	934.5	917.4	919.9	890.5
7.5°	995.7	998.1	1000.6	1012.8	1005.5	1010.4	1005.5	981.0	968.8	956.6	929.6
10°	1003.0	1007.9	1007.9	1025.1	1025.1	1037.3	1044.6	1034.8	1012.8	1000.6	956.6
12.5°	1020.2	1012.8	1022.6	1034.8	1047.1	1069.1	1091.1	1081.3	1066.7	1052.0	1003.0
15°	1020.2	1022.6	1030.0	1049.5	1069.1	1091.1	1130.3	1144.9	1137.6	1110.7	1059.3
17.5°	990.8	983.5	1017.7	1054.4	1091.1	1118.0	1169.4	1203.7	1198.8	1189.0	1110.7
20°	993.3	1000.6	1012.8	1044.6	1103.3	1152.3	1215.9	1272.2	1284.4	1279.5	1179.2
22.5°	1037.3	1039.7	1052.0	1066.7	1113.1	1176.7	1272.2	1362.7	1384.7	1372.5	1255.0
25°	1081.3	1100.9	1100.9	1110.7	1127.8	1193.9	1308.8	1436.1	1467.9	1470.3	1333.3
27.5°	1152.3	1157.2	1171.8	1176.7	1191.4	1230.6	1350.4	1489.9	1563.3	1553.5	1404.3
30°	1235.5	1237.9	1247.7	1242.8	1245.2	1294.2	1389.6	1551.0	1651.4	1653.8	1480.1
32.5°	1333.3	1352.9	1357.8	1326.0	1330.9	1343.1	1450.7	1624.4	1761.4	1744.3	1546.2
35°	1477.7	1485.0	1470.3	1455.6	1418.9	1411.6	1514.3	1697.8	1856.9	1876.4	1644.0
37.5°	1656.2	1675.8	1656.2	1578.0	1538.8	1509.5	1592.6	1778.6	1971.8	2037.9	1741.9
40°	1822.6	1820.2	1800.6	1729.6	1661.1	1639.1	1705.2	1891.1	2150.4	2214.0	1883.8
42.5°	1957.2	1949.8	1937.6	1883.8	1820.2	1783.5	1834.8	2008.5	2299.7	2422.0	2047.7
45°	2074.6	2064.8	2067.2	2006.1	1944.9	1964.5	1964.5	2143.1	2475.8	2627.5	2236.1
47.5°	2184.7	2189.6	2182.2	2135.7	2089.3	2140.6	2113.7	2297.2	2649.5	2818.3	2395.1
50°	2311.9	2321.7	2297.2	2267.9	2226.3	2277.6	2243.4	2441.6	2762.0	2992.0	2585.9
52.5°	2431.8	2441.6	2463.6	2426.9	2385.3	2426.9	2348.6	2576.1	2911.3	3160.8	2732.7
55°	2461.1	2456.2	2578.6	2617.7	2639.7	2514.9	2441.6	2691.1	3028.7	3268.5	2899.0
57.5°	2326.6	2338.8	2505.2	2617.7	2852.6	2744.9	2546.7	2825.6	3151.0	3410.3	3053.2
60°	1991.4	1998.7	2206.7	2473.4	2815.9	2960.2	2830.5	2999.3	3285.6	3530.2	3226.9
62.5°	1330.9	1387.1	1646.5	2064.8	2556.5	3018.9	3283.1	3292.9	3449.5	3681.9	3464.2
65°	702.1	729.0	932.1	1269.7	1937.6	2815.9	3708.8	3875.2	3777.3	3960.8	3806.7
67.5°	459.9	469.7	579.8	770.6	1118.0	2055.0	3757.7	4885.6	4435.4	4491.7	4354.7
70°	342.5	347.4	428.1	570.0	692.3	1098.5	3080.1	5357.7	5355.3	5206.0	5005.4
72.5°	252.0	259.3	315.6	435.5	533.3	592.0	1732.1	4792.6	5636.6	5560.8	5044.6
75°	198.2	203.1	232.4	337.6	430.6	389.0	878.3	3549.8	4780.4	5144.9	4616.4
77.5°	161.5	166.4	183.5	244.6	344.9	300.9	420.8	2289.9	3241.5	3703.9	3532.7
80°	134.6	134.6	146.8	173.7	266.7	227.5	249.5	1286.8	1746.8	1927.8	1602.4
82.5°	115.0	112.5	122.3	127.2	198.2	163.9	161.5	582.3	768.2	814.7	601.8
85°	73.4	75.8	115.0	110.1	129.7	112.5	90.5	276.4	362.1	369.4	225.1
87.5°	29.4	29.4	48.9	61.2	73.4	68.5	44.0	124.8	159.0	159.0	63.6
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°	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0	866.0
2.5°	873.4	863.6	856.3	851.4	839.1	826.9	829.3	826.9	817.1	812.2	812.2
5°	883.2	873.4	861.1	841.6	829.3	814.7	819.6	809.8	800.0	807.3	795.1
7.5°	907.6	890.5	873.4	844.0	824.5	802.4	792.6	787.8	780.4	775.5	775.5
10°	941.9	917.4	885.6	841.6	809.8	775.5	770.6	760.8	753.5	753.5	751.1
12.5°	976.1	949.2	895.4	824.5	770.6	746.2	743.7	746.2	751.1	753.5	756.0
15°	1020.2	976.1	893.0	792.6	738.8	729.0	741.3	751.1	760.8	770.6	768.2
17.5°	1061.8	1010.4	870.9	753.5	711.9	714.4	736.4	756.0	775.5	785.3	787.8
20°	1118.0	1042.2	839.1	707.0	685.0	707.0	736.4	760.8	782.9	795.1	797.5
22.5°	1181.6	1078.9	797.5	665.4	663.0	685.0	714.4	751.1	775.5	797.5	795.1
25°	1237.9	1103.3	743.7	631.2	636.1	650.8	685.0	724.1	748.6	773.1	765.7
27.5°	1274.6	1108.2	687.5	606.7	606.7	621.4	653.2	677.7	699.7	719.3	721.7
30°	1316.2	1098.5	623.8	574.9	574.9	594.5	606.7	621.4	633.6	638.5	643.4
32.5°	1365.1	1076.4	584.7	550.5	550.5	565.1	572.5	567.6	565.1	552.9	560.2
35°	1411.6	1044.6	540.7	518.6	528.4	535.8	533.3	518.6	504.0	481.9	474.6
37.5°	1467.9	1012.8	501.5	484.4	501.5	504.0	504.0	486.8	467.3	440.4	440.4
40°	1553.5	988.4	469.7	462.4	479.5	477.1	464.8	452.6	459.9	445.3	445.3
42.5°	1644.0	978.6	440.4	442.8	450.1	452.6	440.4	425.7	455.0	437.9	440.4
45°	1756.5	985.9	420.8	418.3	435.5	433.0	425.7	413.4	423.2	379.2	367.0
47.5°	1861.7	1000.6	411.0	401.2	420.8	425.7	415.9	389.0	374.3	347.4	342.5
50°	1957.2	1032.4	401.2	381.6	401.2	411.0	393.9	364.5	347.4	330.3	330.3
52.5°	2047.7	1078.9	396.3	359.6	376.8	389.0	379.2	349.8	330.3	322.9	315.6
55°	2140.6	1120.5	389.0	344.9	349.8	374.3	371.9	332.7	313.1	313.1	310.7
57.5°	2272.7	1176.7	379.2	320.5	330.3	357.2	357.2	325.4	303.4	305.8	308.3
60°	2407.3	1242.8	369.4	296.0	303.4	340.1	344.9	315.6	296.0	298.5	296.0
62.5°	2622.6	1365.1	349.8	266.7	281.3	318.0	330.3	303.4	286.2	291.1	291.1
65°	2948.0	1575.5	308.3	242.2	259.3	298.5	315.6	291.1	271.6	286.2	281.3
67.5°	3471.5	1864.2	259.3	222.6	244.6	278.9	298.5	276.4	259.3	281.3	274.0
70°	3941.2	2006.1	222.6	205.5	222.6	256.9	278.9	261.8	244.6	266.7	256.9
72.5°	3750.4	1573.1	193.3	185.9	203.1	232.4	259.3	242.2	225.1	237.3	227.5
75°	3236.6	1252.6	168.8	166.4	181.0	210.4	237.3	225.1	207.9	212.8	207.9
77.5°	2453.8	1034.8	144.3	141.9	154.1	188.4	212.8	203.1	185.9	183.5	183.5
80°	1096.0	508.9	119.9	119.9	127.2	161.5	181.0	176.1	159.0	156.6	154.1
82.5°	359.6	193.3	97.9	93.0	102.8	134.6	161.5	156.6	139.4	134.6	129.7
85°	144.3	93.0	70.9	70.9	80.7	112.5	144.3	134.6	112.5	100.3	100.3
87.5°	48.9	39.1	36.7	36.7	51.4	75.8	107.6	90.5	80.7	70.9	73.4
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)