

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: P675418

Luminaire Tested: **CCW-SA-2C-740-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675418
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

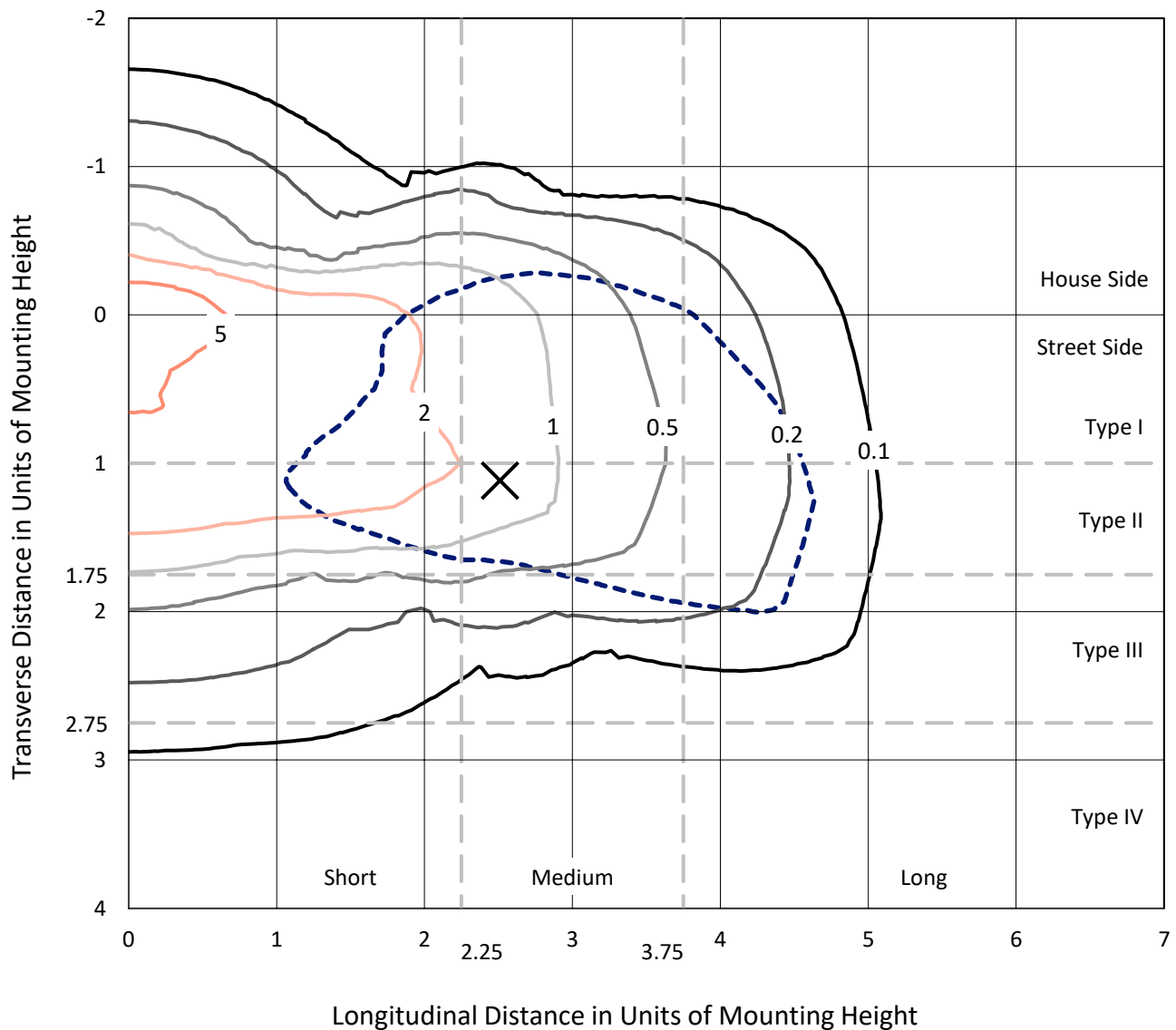
Lumens per Lamp: N/A
Luminaire Lumens: 8948.3 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

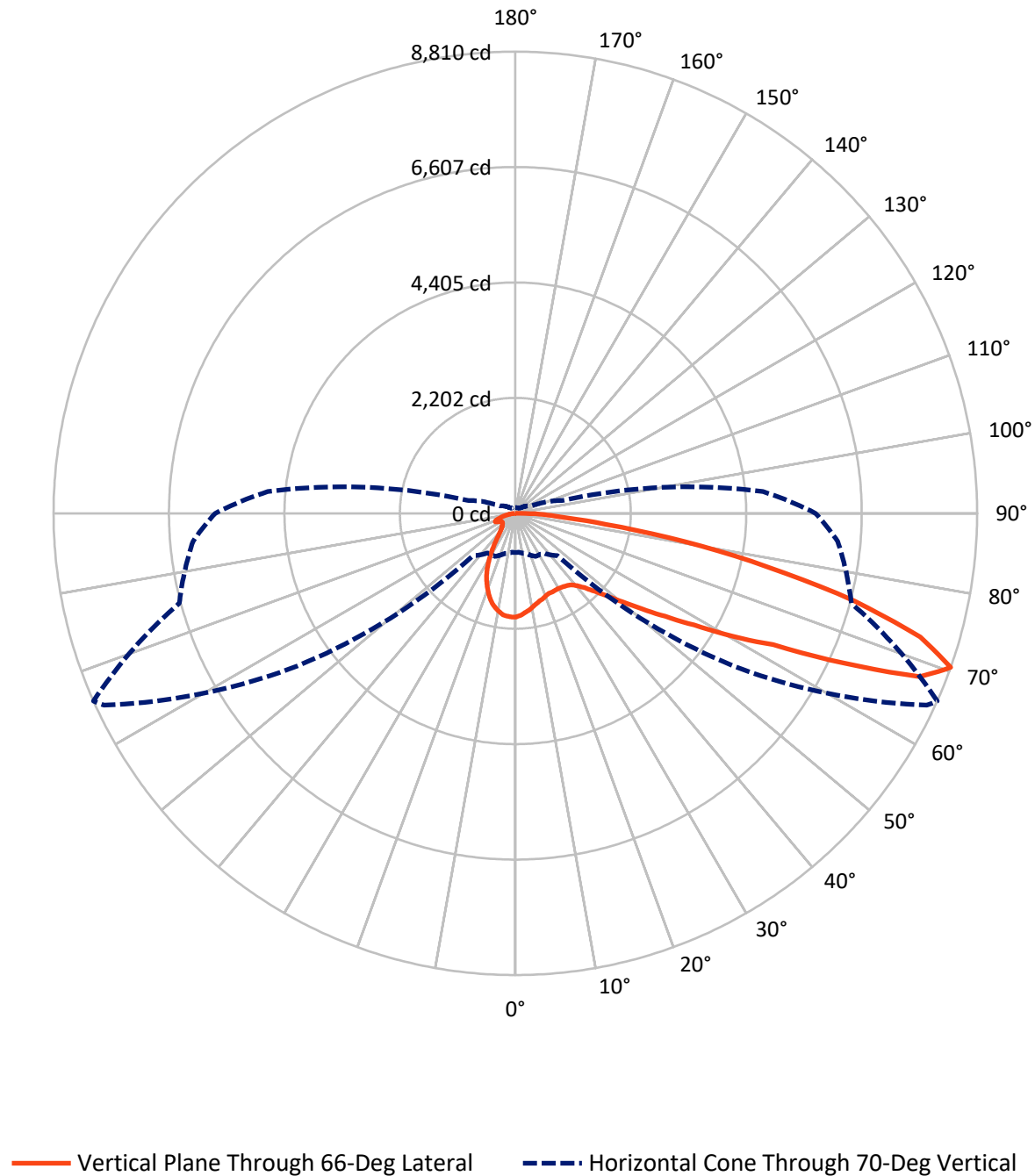
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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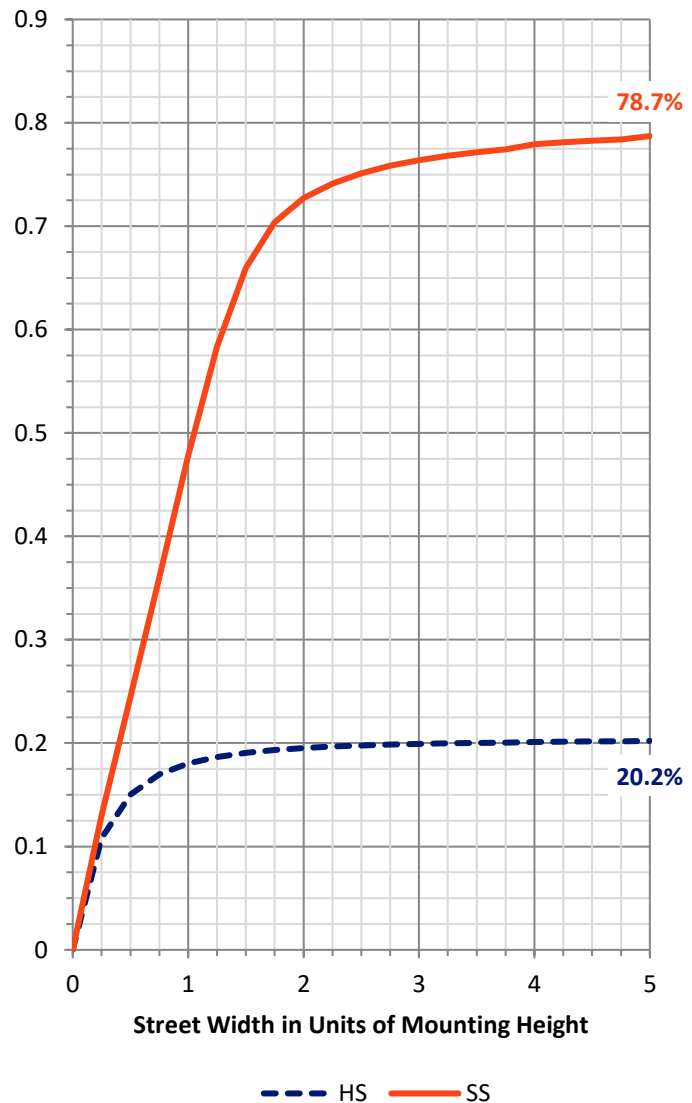
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1831.6	0.0	1831.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7116.7	0.0	7116.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	8948.3	0.0	8948.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	2.0
10°-20°	430.3	4.8
20°-30°	591.0	6.6
30°-40°	792.4	8.9
40°-50°	1149.7	12.8
50°-60°	1747.5	19.5
60°-70°	2158.3	24.1
70°-80°	1605.0	17.9
80°-90°	299.4	3.3
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°	8948.3	100.0
0°-180°	8948.3	100.0

Coefficient of Utilization



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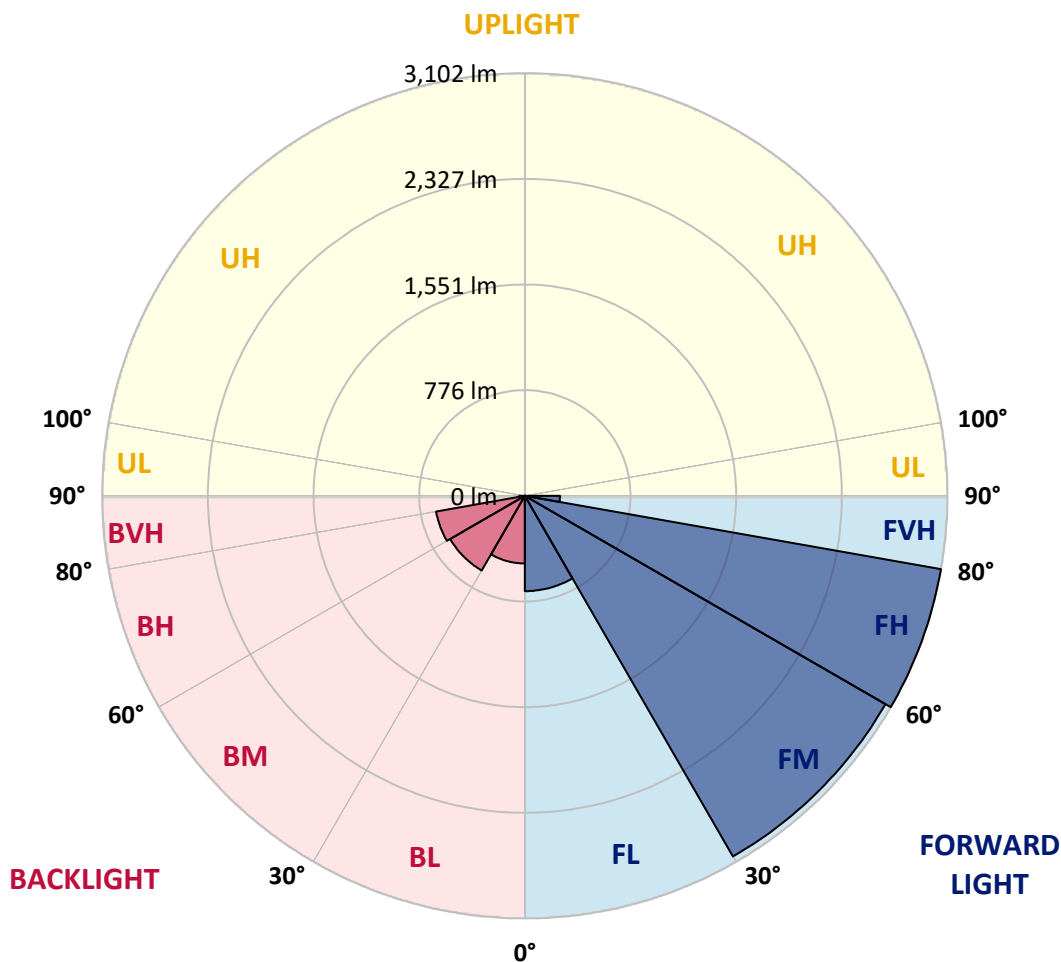
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	699.7	7.8			
FM	(30°-60°)	3056.9	34.2			
FH	(60°-80°)	3102.1	34.7			G2/5000
FVH	(80°-90°)	258.1	2.9			G3/500
BL	(0°-30°)	496.4	5.5	B1/500		
BM	(30°-60°)	632.7	7.1	B1/1000		
BH	(60°-80°)	661.2	7.4	B2/1000		G2/1000
BVH	(80°-90°)	41.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0
2.5°	1880.4	1890.4	1893.8	1900.4	1917.0	1930.4	1950.3	1960.3	1950.3	1963.6	1963.6
5°	1750.6	1737.3	1770.6	1783.9	1803.9	1830.5	1877.1	1913.7	1903.7	1943.7	1977.0
7.5°	1640.8	1640.8	1650.8	1680.7	1704.0	1744.0	1793.9	1850.5	1867.1	1920.4	1970.3
10°	1541.0	1554.3	1554.3	1600.9	1614.2	1660.8	1744.0	1813.9	1817.2	1907.1	1977.0
12.5°	1487.7	1481.1	1514.3	1527.6	1567.6	1614.2	1680.7	1767.3	1770.6	1867.1	1963.6
15°	1444.4	1451.1	1467.7	1501.0	1537.6	1574.2	1637.5	1717.4	1734.0	1847.2	1957.0
17.5°	1447.8	1451.1	1451.1	1474.4	1504.4	1547.6	1607.5	1700.7	1710.7	1820.5	1947.0
20°	1467.7	1454.4	1464.4	1474.4	1494.4	1534.3	1584.2	1664.1	1674.1	1817.2	1970.3
22.5°	1511.0	1501.0	1497.7	1494.4	1491.0	1514.3	1577.6	1644.1	1654.1	1800.6	1980.3
25°	1580.9	1577.6	1554.3	1531.0	1514.3	1514.3	1564.3	1660.8	1657.4	1800.6	1986.9
27.5°	1664.1	1664.1	1660.8	1617.5	1567.6	1541.0	1574.2	1654.1	1650.8	1800.6	2003.6
30°	1777.3	1777.3	1767.3	1727.3	1637.5	1560.9	1580.9	1647.5	1657.4	1787.2	1990.3
32.5°	1900.4	1897.1	1907.1	1870.5	1777.3	1654.1	1620.8	1660.8	1670.8	1800.6	1993.6
35°	1990.3	2010.2	2043.5	2010.2	1917.0	1750.6	1677.4	1687.4	1694.1	1803.9	2006.9
37.5°	2093.4	2116.7	2163.3	2190.0	2090.1	1897.1	1767.3	1730.7	1730.7	1847.2	2010.2
40°	2243.2	2219.9	2299.8	2346.4	2306.4	2076.8	1907.1	1810.5	1813.9	1903.7	2053.5
42.5°	2353.0	2376.3	2459.5	2542.8	2492.8	2296.5	2060.2	1940.3	1940.3	1986.9	2120.1
45°	2476.2	2502.8	2619.3	2719.1	2755.8	2559.4	2269.8	2126.7	2120.1	2150.0	2239.9
47.5°	2612.6	2649.3	2782.4	2898.9	2995.4	2832.3	2539.4	2353.0	2349.7	2373.0	2439.6
50°	2769.1	2782.4	2892.2	3105.2	3298.3	3195.1	2868.9	2672.6	2655.9	2665.9	2755.8
52.5°	2815.7	2805.7	2932.2	3161.8	3514.6	3637.7	3318.2	3035.3	3028.7	3005.4	3121.9
55°	2645.9	2679.2	2802.4	3095.2	3691.0	4160.3	3810.8	3531.2	3471.3	3408.1	3547.9
57.5°	2306.4	2309.8	2449.6	2795.7	3554.5	4592.9	4646.2	4017.1	4020.5	3850.7	4010.5
60°	1793.9	1783.9	1893.8	2206.6	3165.1	4726.1	5558.1	4792.6	4759.3	4293.4	4439.8
62.5°	1294.7	1274.7	1298.0	1481.1	2366.4	4523.0	6453.4	5661.3	5521.5	4746.0	4859.2
65°	1065.0	1075.0	1085.0	1095.0	1328.0	3730.9	6729.6	7079.1	6892.7	5275.2	5321.8
67.5°	882.0	888.6	931.9	991.8	985.1	2203.3	6410.1	8390.4	8320.5	5930.9	5721.2
70°	748.8	745.5	795.4	905.3	921.9	1144.9	5075.5	8660.0	8809.8	6636.4	6173.8
72.5°	599.1	605.7	649.0	795.4	905.3	965.2	2922.2	8080.9	8077.6	7178.9	5930.9
75°	429.3	429.3	489.2	659.0	875.3	955.2	1617.5	6559.9	6683.0	6746.3	5145.4
77.5°	282.9	296.2	342.8	492.6	822.1	935.2	1025.1	4769.3	4922.4	5045.6	3937.3
80°	193.0	199.7	229.6	342.8	695.6	941.9	838.7	3208.4	3268.3	2785.7	1597.5
82.5°	116.5	119.8	153.1	239.6	499.2	895.3	788.8	1770.6	1734.0	842.0	459.3
85°	63.2	66.6	96.5	159.8	329.5	782.1	775.5	868.7	808.8	309.5	193.0
87.5°	23.3	23.3	43.3	79.9	189.7	535.8	675.6	515.9	482.6	156.4	89.9
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°	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0	1977.0
2.5°	1980.3	1980.3	1980.3	1980.3	1977.0	1963.6	1973.6	1970.3	1950.3	1953.7	1940.3
5°	1973.6	1990.3	1980.3	1967.0	1950.3	1910.4	1897.1	1887.1	1860.5	1850.5	1860.5
7.5°	1990.3	1977.0	1970.3	1947.0	1880.4	1843.8	1797.2	1740.7	1700.7	1690.7	1700.7
10°	1986.9	1986.9	1957.0	1890.4	1827.2	1720.7	1660.8	1560.9	1504.4	1487.7	1491.0
12.5°	1973.6	1983.6	1937.0	1830.5	1710.7	1580.9	1471.1	1364.6	1264.7	1224.8	1218.1
15°	1986.9	1977.0	1893.8	1757.3	1590.9	1411.2	1251.4	1095.0	1001.8	941.9	928.6
17.5°	1967.0	1957.0	1837.2	1657.4	1434.5	1204.8	1005.1	835.4	742.2	718.9	718.9
20°	1990.3	1927.0	1770.6	1537.6	1271.4	978.5	752.2	625.7	602.4	602.4	609.1
22.5°	1986.9	1920.4	1714.0	1421.1	1075.0	738.9	559.1	522.5	525.9	552.5	549.2
25°	1967.0	1907.1	1634.2	1291.3	868.7	555.8	462.6	452.6	475.9	505.9	502.6
27.5°	1963.6	1870.5	1560.9	1138.2	662.3	439.3	402.7	402.7	426.0	452.6	449.3
30°	1943.7	1840.5	1471.1	965.2	499.2	382.7	369.4	369.4	379.4	392.7	392.7
32.5°	1940.3	1800.6	1371.2	785.5	399.4	346.1	339.5	342.8	342.8	349.5	346.1
35°	1913.7	1747.3	1268.0	609.1	346.1	326.2	319.5	316.2	316.2	312.9	312.9
37.5°	1903.7	1714.0	1161.5	472.6	322.8	309.5	302.9	292.9	289.6	289.6	286.2
40°	1913.7	1680.7	1058.4	382.7	302.9	296.2	286.2	272.9	269.6	269.6	269.6
42.5°	1950.3	1677.4	951.9	332.8	292.9	282.9	269.6	256.3	252.9	256.3	252.9
45°	2033.5	1704.0	848.7	309.5	279.6	269.6	252.9	243.0	239.6	243.0	243.0
47.5°	2170.0	1777.3	755.5	296.2	269.6	256.3	239.6	229.6	229.6	229.6	229.6
50°	2396.3	1917.0	665.6	286.2	262.9	246.3	229.6	216.3	213.0	213.0	216.3
52.5°	2735.8	2156.7	592.4	279.6	252.9	233.0	216.3	206.3	199.7	196.4	199.7
55°	3145.2	2506.1	569.1	272.9	239.6	223.0	206.3	193.0	186.4	186.4	183.1
57.5°	3584.5	2892.2	609.1	266.3	229.6	209.7	193.0	179.7	173.1	169.7	169.7
60°	4060.4	3348.2	755.5	262.9	219.7	196.4	179.7	169.7	159.8	156.4	156.4
62.5°	4493.1	3760.9	1018.4	259.6	213.0	183.1	166.4	153.1	146.4	143.1	143.1
65°	4985.7	4220.2	1274.7	272.9	209.7	173.1	153.1	139.8	133.1	129.8	129.8
67.5°	5415.0	4619.6	1424.5	306.2	219.7	159.8	136.5	126.5	123.1	119.8	119.8
70°	5727.8	4742.7	955.2	336.1	236.3	149.8	123.1	116.5	109.8	109.8	109.8
72.5°	5308.5	4233.5	565.8	316.2	223.0	139.8	109.8	103.2	99.8	99.8	96.5
75°	4539.7	3604.5	436.0	256.3	179.7	119.8	96.5	89.9	86.5	86.5	83.2
77.5°	3351.5	2582.7	322.8	203.0	139.8	96.5	83.2	79.9	76.5	73.2	73.2
80°	1311.3	1131.6	219.7	149.8	103.2	76.5	69.9	66.6	63.2	59.9	59.9
82.5°	406.0	342.8	126.5	99.8	73.2	59.9	56.6	53.3	49.9	46.6	46.6
85°	176.4	169.7	83.2	63.2	49.9	39.9	39.9	36.6	33.3	30.0	30.0
87.5°	86.5	83.2	46.6	30.0	26.6	20.0	20.0	16.6	13.3	13.3	13.3
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)