

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: P673902

Luminaire Tested: **CCP-SA-2D-835-U-SL3-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P673902
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-835-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ SL3
distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7594 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

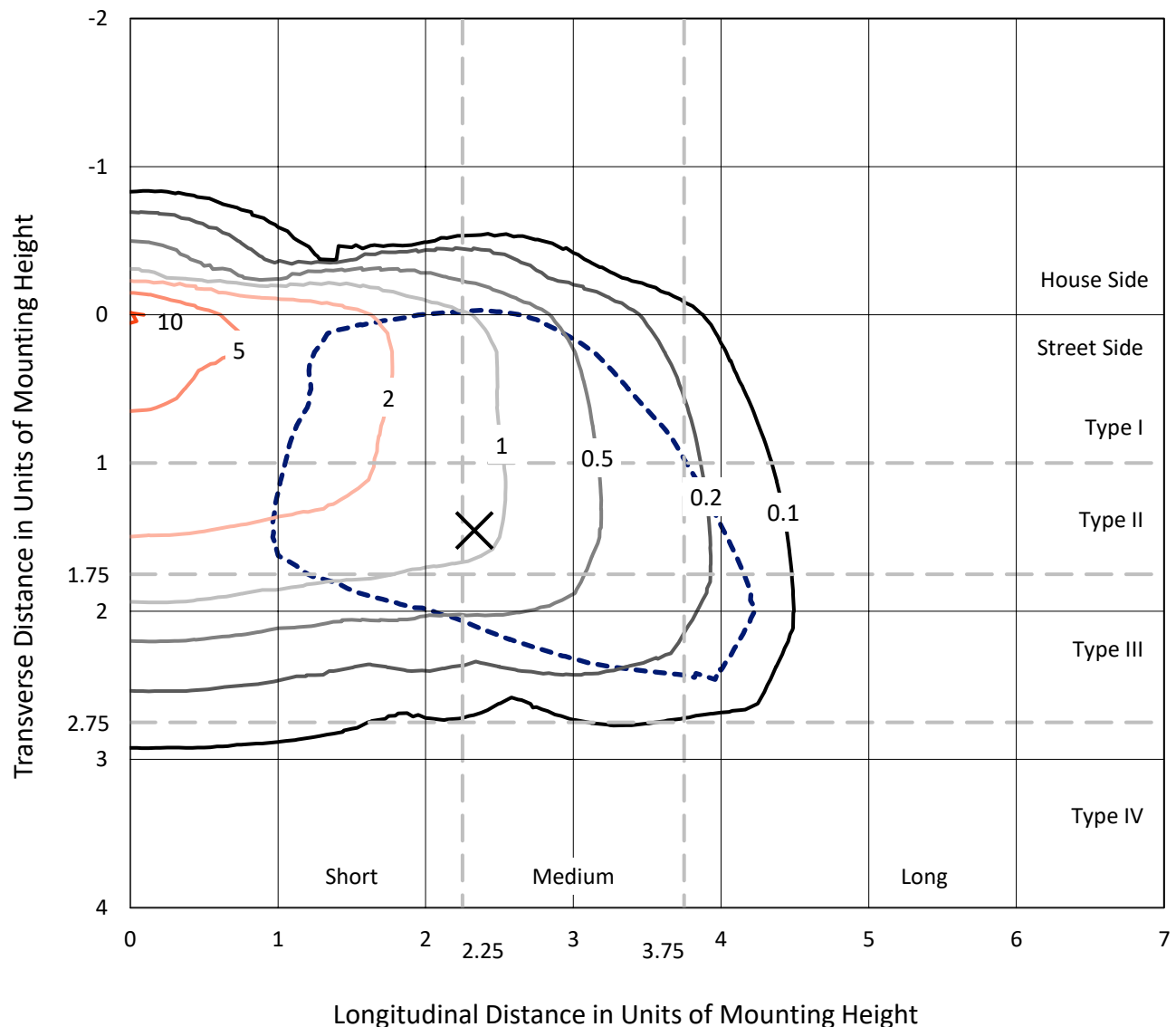
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

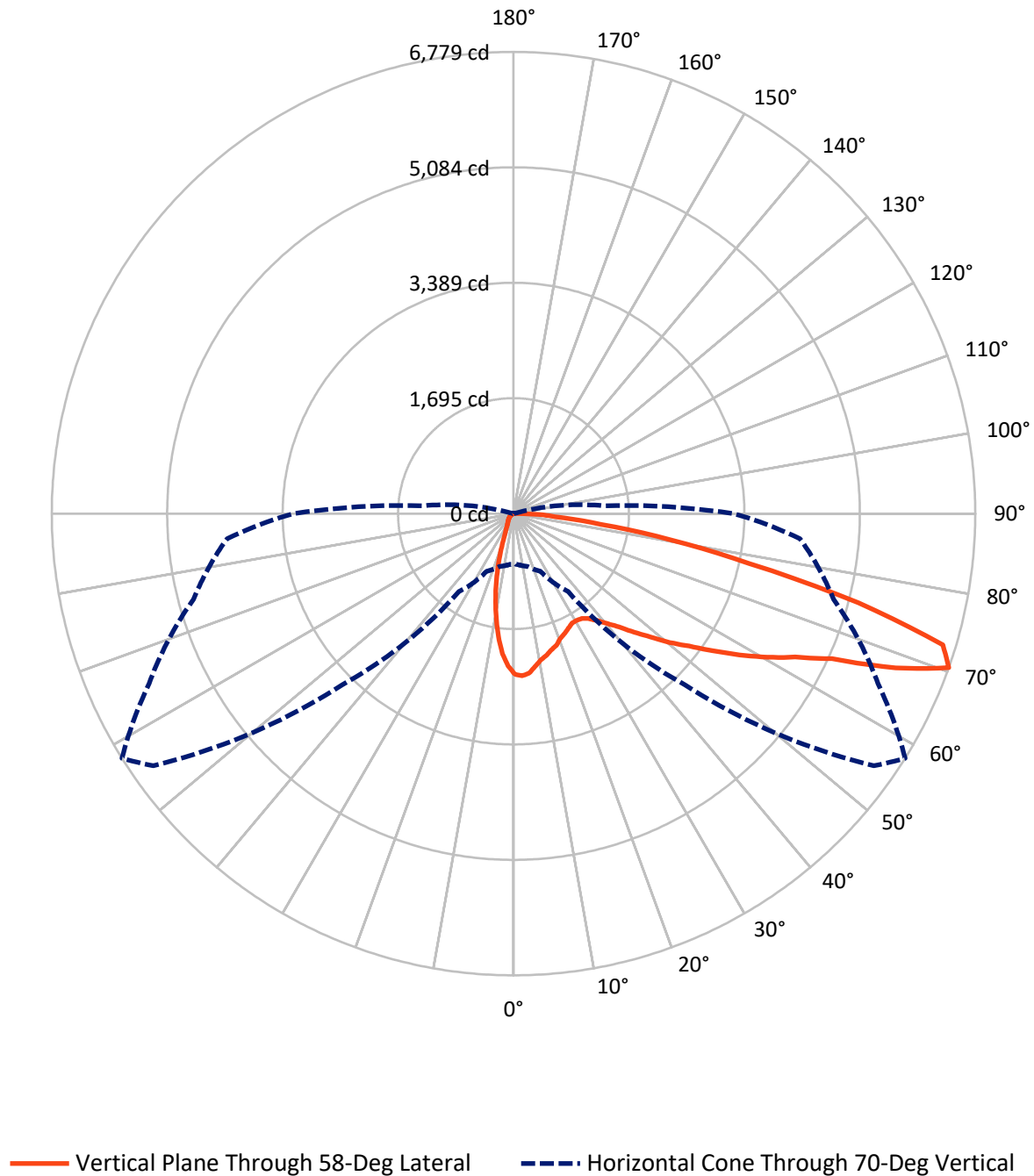
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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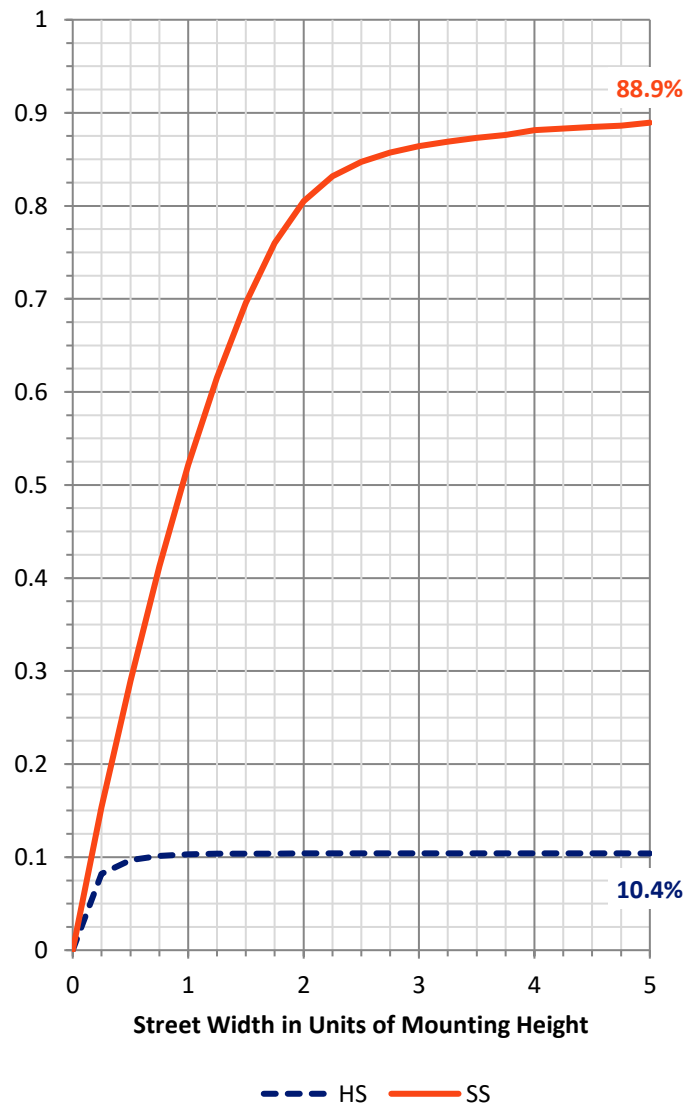
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	795.2	0.0	795.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6798.8	0.0	6798.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	7594.0	0.0	7594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	2.5
10°-20°	400.5	5.3
20°-30°	536.2	7.1
30°-40°	724.8	9.5
40°-50°	1040.3	13.7
50°-60°	1533.0	20.2
60°-70°	1869.9	24.6
70°-80°	1141.9	15.0
80°-90°	155.1	2.0
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°	7594.0	100.0
0°-180°	7594.0	100.0

Coefficient of Utilization



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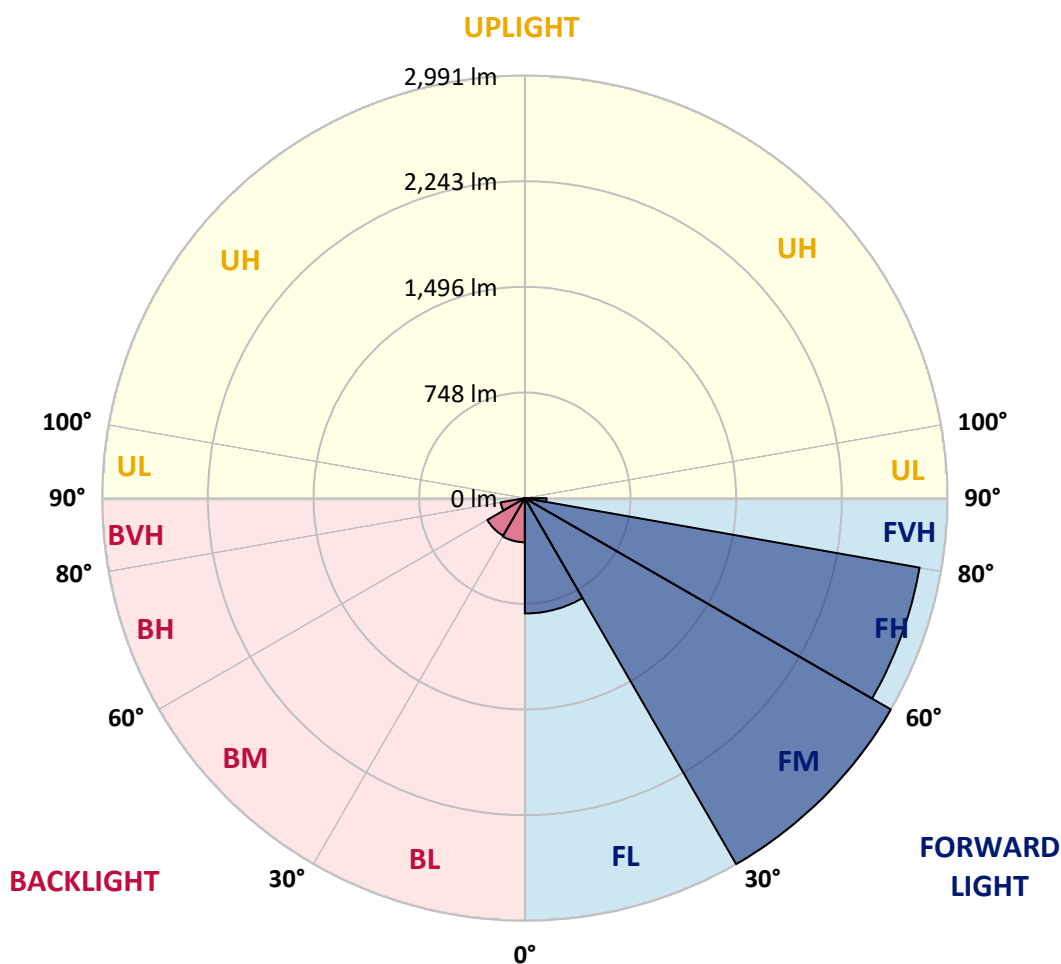
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	816.5	10.8			
FM	(30°-60°)	2991.2	39.4			
FH	(60°-80°)	2837.5	37.4			G2/5000
FVH	(80°-90°)	153.6	2.0			G2/225
BL	(0°-30°)	312.5	4.1	B1/500		
BM	(30°-60°)	306.9	4.0	B1/1000		
BH	(60°-80°)	174.3	2.3	B1/500		G1/500
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4
2.5°	2400.1	2409.1	2387.7	2412.6	2389.5	2400.1	2387.7	2384.1	2385.9	2387.7	2373.4
5°	2288.0	2309.3	2318.2	2304.0	2337.8	2332.5	2353.9	2355.6	2346.7	2337.8	2339.6
7.5°	2140.2	2161.6	2170.5	2179.4	2213.2	2257.7	2286.2	2268.4	2282.6	2314.7	2266.6
10°	2033.4	2028.0	2026.2	2044.0	2108.1	2145.5	2193.6	2188.3	2223.9	2254.1	2215.0
12.5°	1901.6	1890.9	1923.0	1937.2	1994.2	2060.1	2097.5	2136.6	2172.2	2204.3	2159.8
15°	1803.7	1812.6	1825.0	1855.3	1896.3	1983.5	2038.7	2076.1	2140.2	2156.2	2138.4
17.5°	1725.3	1732.5	1750.3	1766.3	1817.9	1901.6	1988.8	2033.4	2101.0	2143.8	2088.6
20°	1727.1	1705.7	1705.7	1721.8	1750.3	1850.0	1942.6	1956.8	2049.4	2122.4	2085.0
22.5°	1728.9	1721.8	1705.7	1704.0	1716.4	1787.6	1882.0	1914.1	2013.8	2099.2	2054.7
25°	1753.8	1727.1	1728.9	1704.0	1709.3	1744.9	1819.7	1867.8	1981.7	2111.7	2038.7
27.5°	1775.2	1787.6	1762.7	1752.0	1721.8	1720.0	1782.3	1823.3	1965.7	2140.2	2049.4
30°	1823.3	1832.2	1832.2	1825.0	1796.6	1755.6	1769.8	1821.5	1933.7	2134.9	2031.6
32.5°	1903.4	1887.4	1908.7	1898.0	1860.6	1796.6	1809.0	1835.7	1953.2	2202.5	2060.1
35°	1930.1	1942.6	1971.0	1947.9	1935.4	1898.0	1873.1	1892.7	1981.7	2270.2	2102.8
37.5°	2012.0	1994.2	2013.8	2065.4	2077.9	2010.2	1962.1	1990.6	2088.6	2350.3	2142.0
40°	2019.1	2033.4	2069.0	2170.5	2182.9	2154.4	2115.3	2122.4	2195.4	2453.6	2239.9
42.5°	2054.7	2070.8	2143.8	2229.2	2296.9	2302.2	2273.7	2273.7	2336.0	2619.2	2348.5
45°	2124.2	2097.5	2191.8	2336.0	2434.0	2453.6	2491.0	2482.1	2531.9	2793.6	2551.5
47.5°	2150.9	2159.8	2263.0	2437.5	2549.7	2640.5	2702.8	2704.6	2729.5	3016.2	2815.0
50°	2238.1	2236.3	2361.0	2523.0	2688.6	2854.2	2975.3	2975.3	2973.5	3233.4	3041.1
52.5°	2353.9	2350.3	2446.4	2638.7	2854.2	3062.5	3222.8	3228.1	3269.0	3500.5	3301.1
55°	2542.6	2526.6	2619.2	2761.6	3019.8	3272.6	3550.4	3552.1	3520.1	3691.0	3488.1
57.5°	2701.1	2699.3	2775.8	2912.9	3204.9	3543.2	3865.5	3913.6	3812.1	3886.9	3637.6
60°	2660.1	2683.3	2841.7	3044.7	3400.8	3881.5	4205.6	4280.4	4118.4	4020.4	3749.8
62.5°	2405.5	2458.9	2631.6	2955.7	3566.4	4373.0	4673.9	4640.1	4278.6	4134.4	3886.9
65°	1730.7	1784.1	1997.8	2483.8	3374.1	4720.2	5289.9	5136.8	4563.5	4303.5	4070.3
67.5°	1018.5	1039.8	1173.4	1584.7	2523.0	4531.4	6037.8	6050.2	5124.4	4563.5	4387.2
70°	735.4	751.4	803.0	934.8	1397.7	3552.1	6454.4	6778.5	5902.4	4862.6	4219.8
72.5°	564.4	564.4	651.7	778.1	890.3	2127.7	5939.8	6589.7	6071.6	4576.0	3400.8
75°	406.0	416.6	511.0	669.5	820.8	1068.3	4376.5	5229.4	5145.7	3708.8	2375.2
77.5°	233.2	238.6	359.7	560.9	771.0	733.6	2704.6	3545.0	3644.7	2321.8	1029.1
80°	119.3	122.9	201.2	443.4	698.0	639.2	1613.2	2334.3	1979.9	674.8	238.6
82.5°	58.8	58.8	90.8	283.1	592.9	566.2	949.0	1289.1	701.5	154.9	99.7
85°	19.6	21.4	41.0	160.2	429.1	341.9	580.5	612.5	235.0	58.8	55.2
87.5°	5.3	7.1	10.7	58.8	187.0	224.3	345.4	391.7	96.1	23.1	26.7
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°	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4	2357.4
2.5°	2320.0	2307.6	2293.3	2257.7	2229.2	2191.8	2166.9	2147.3	2109.9	2117.0	2101.0
5°	2296.9	2273.7	2191.8	2113.5	2042.3	1933.7	1858.9	1810.8	1771.6	1732.5	1760.9
7.5°	2255.9	2200.7	2072.5	1926.5	1775.2	1632.7	1490.3	1404.8	1342.5	1285.5	1283.8
10°	2186.5	2097.5	1896.3	1705.7	1472.5	1285.5	1103.9	961.5	868.9	801.2	799.5
12.5°	2108.1	2015.6	1762.7	1452.9	1184.0	920.5	703.3	552.0	464.7	411.3	404.2
15°	2058.3	1923.0	1595.4	1228.6	895.6	600.0	389.9	295.6	261.7	249.3	249.3
17.5°	1994.2	1839.3	1429.8	995.3	621.4	347.2	252.8	227.9	226.1	222.6	219.0
20°	1967.5	1775.2	1282.0	794.1	393.5	245.7	217.2	211.9	211.9	208.3	204.8
22.5°	1896.3	1682.6	1125.3	582.2	261.7	215.4	204.8	197.6	194.1	190.5	194.1
25°	1864.2	1616.7	977.5	402.4	213.7	192.3	187.0	179.8	174.5	172.7	172.7
27.5°	1842.8	1550.8	833.3	279.5	188.7	176.3	165.6	160.2	153.1	146.0	146.0
30°	1826.8	1499.2	694.4	206.5	169.1	156.7	147.8	135.3	126.4	119.3	119.3
32.5°	1805.5	1438.7	555.5	176.3	153.1	140.7	124.6	114.0	101.5	96.1	96.1
35°	1812.6	1397.7	436.2	156.7	137.1	121.1	106.8	92.6	80.1	74.8	73.0
37.5°	1826.8	1367.4	331.2	140.7	122.9	105.1	89.0	73.0	65.9	58.8	58.8
40°	1887.4	1358.5	243.9	130.0	112.2	92.6	74.8	60.5	53.4	48.1	46.3
42.5°	1988.8	1371.0	188.7	117.5	101.5	78.3	62.3	49.9	42.7	37.4	35.6
45°	2118.8	1419.1	154.9	110.4	89.0	65.9	49.9	41.0	32.0	28.5	28.5
47.5°	2307.6	1493.9	135.3	101.5	78.3	55.2	42.7	32.0	24.9	21.4	21.4
50°	2521.2	1579.3	119.3	90.8	67.7	46.3	33.8	24.9	17.8	16.0	16.0
52.5°	2734.9	1687.9	110.4	83.7	58.8	37.4	26.7	17.8	12.5	10.7	10.7
55°	2959.2	1784.1	99.7	78.3	48.1	30.3	19.6	10.7	7.1	5.3	5.3
57.5°	3115.9	1821.5	87.2	67.7	37.4	23.1	14.2	7.1	3.6	1.8	1.8
60°	3228.1	1826.8	74.8	55.2	28.5	17.8	8.9	3.6	1.8	0.0	0.0
62.5°	3322.5	1837.5	64.1	42.7	21.4	12.5	5.3	1.8	0.0	0.0	0.0
65°	3509.4	1828.6	51.6	33.8	14.2	7.1	3.6	0.0	0.0	0.0	0.0
67.5°	3657.2	1739.6	41.0	23.1	8.9	3.6	1.8	0.0	0.0	0.0	0.0
70°	3235.2	1326.5	32.0	16.0	5.3	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	2540.8	884.9	21.4	8.9	3.6	1.8	0.0	0.0	0.0	0.0	0.0
75°	1666.6	439.8	16.0	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	648.1	115.7	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	156.7	39.2	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	67.7	14.2	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.0	7.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.4	3.6	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)