

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: STREETWORKS

Report Number: P799893

Luminaire Tested: **ARCH2-60-730-U-T2U**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P799893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-18)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-60-730-U-T2U
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 485mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

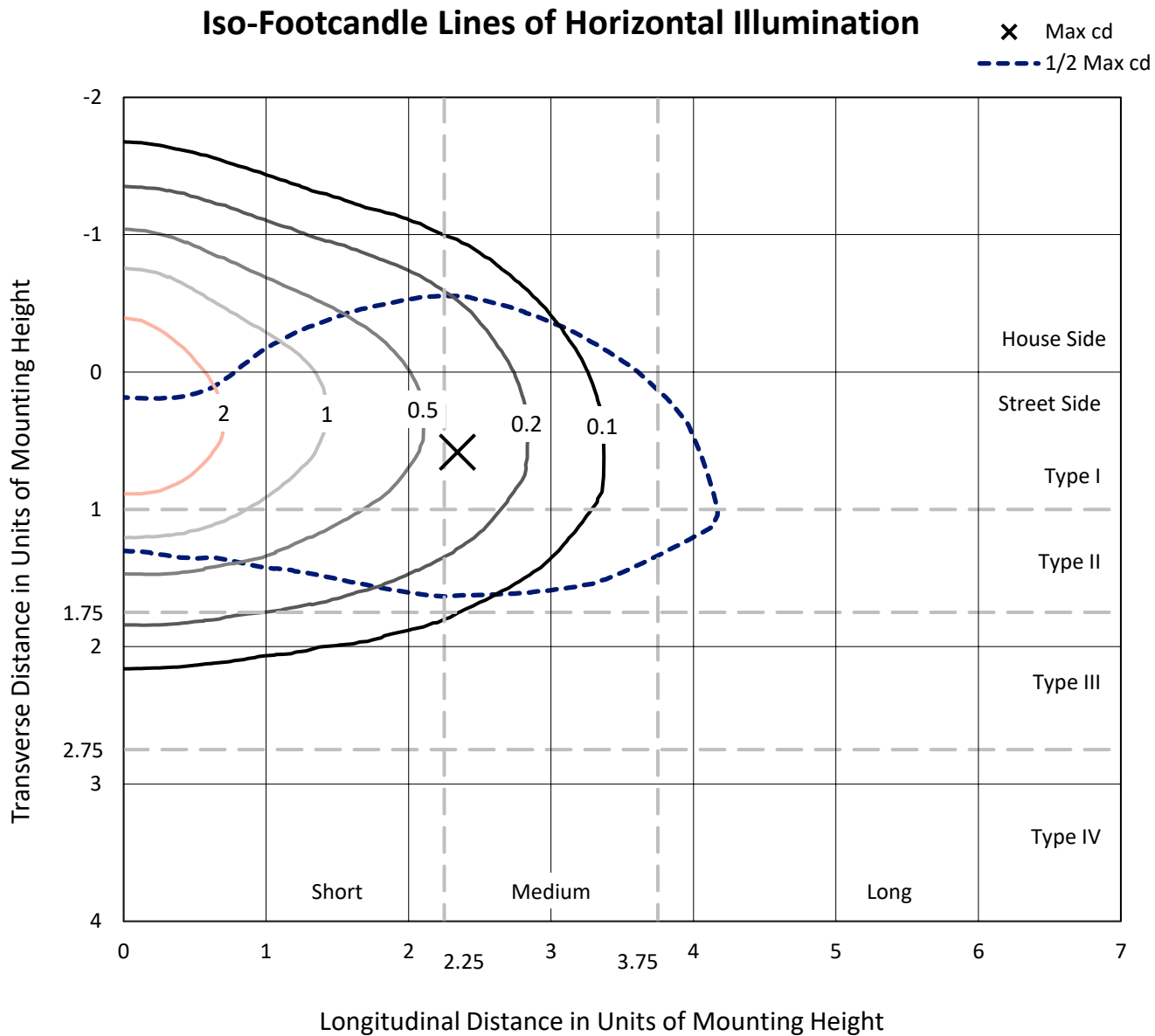
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8934 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 63.8
Input Voltage (V): NR
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: 24 FT

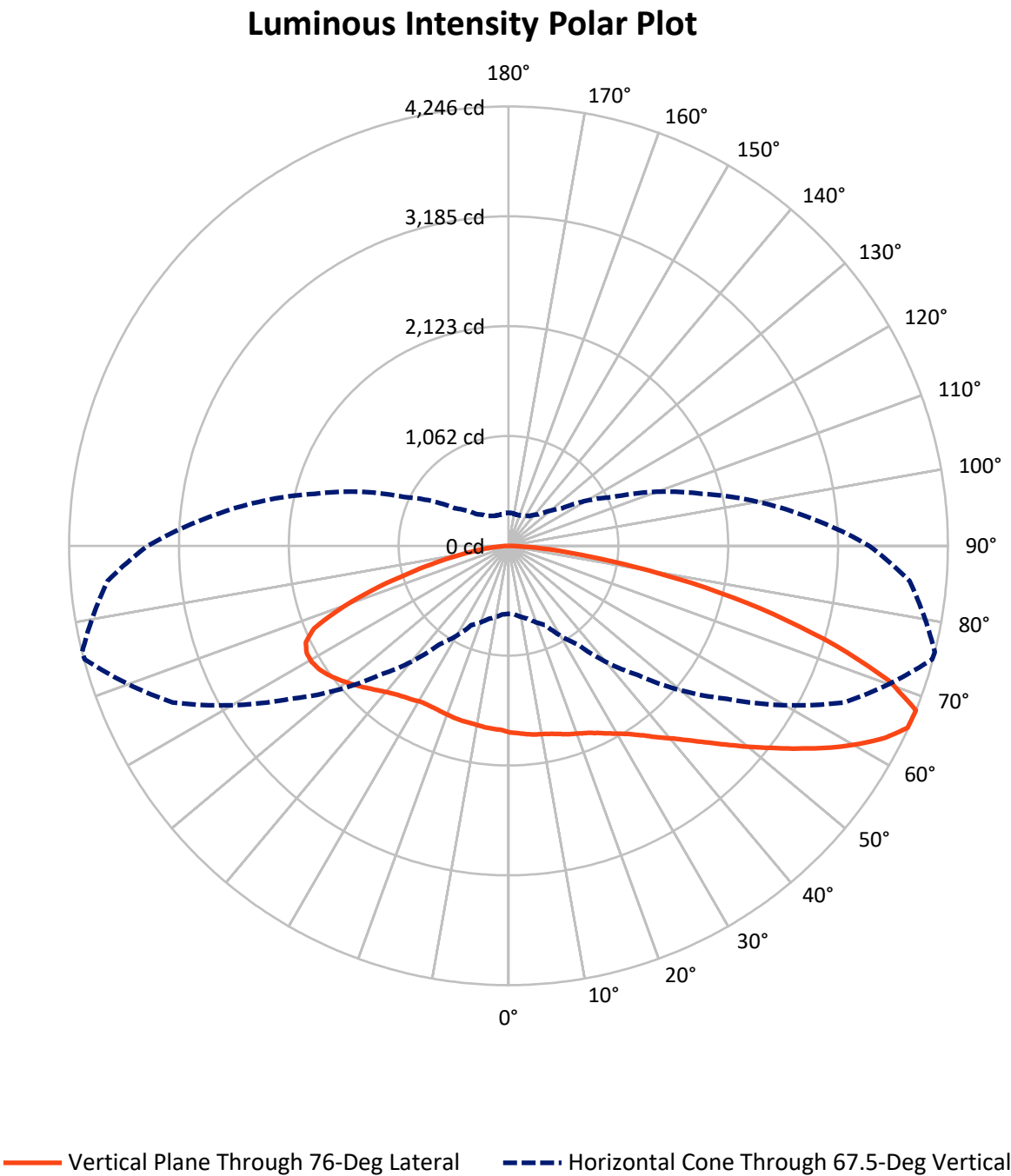


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Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type II - Medium - N/A

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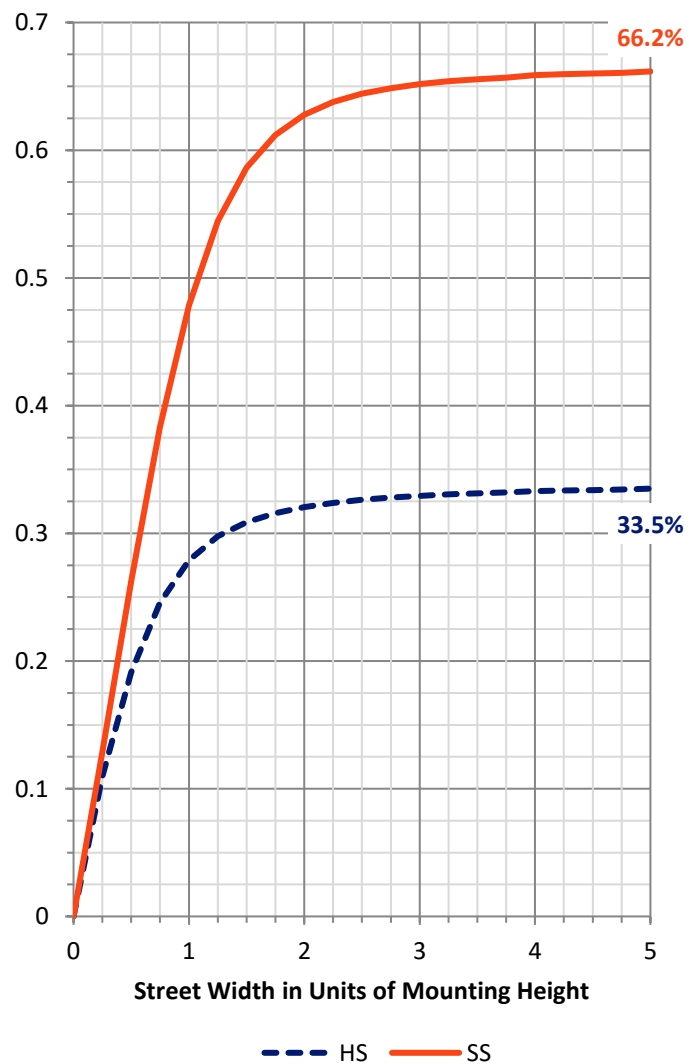
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3018.8	0.0	3018.8
	% Fixture	33.8	0.0	33.8
Street Side	Lumens	5915.2	0.0	5915.2
	% Fixture	66.2	0.0	66.2
Total	Lumens	8934.0	0.0	8934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.0	1.9
10°-20°	532.0	6.0
20°-30°	903.9	10.1
30°-40°	1286.1	14.4
40°-50°	1624.3	18.2
50°-60°	1758.6	19.7
60°-70°	1635.7	18.3
70°-80°	878.5	9.8
80°-90°	140.8	1.6
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°	8934.0	100.0
0°-180°	8934.0	100.0

Coefficient of Utilization



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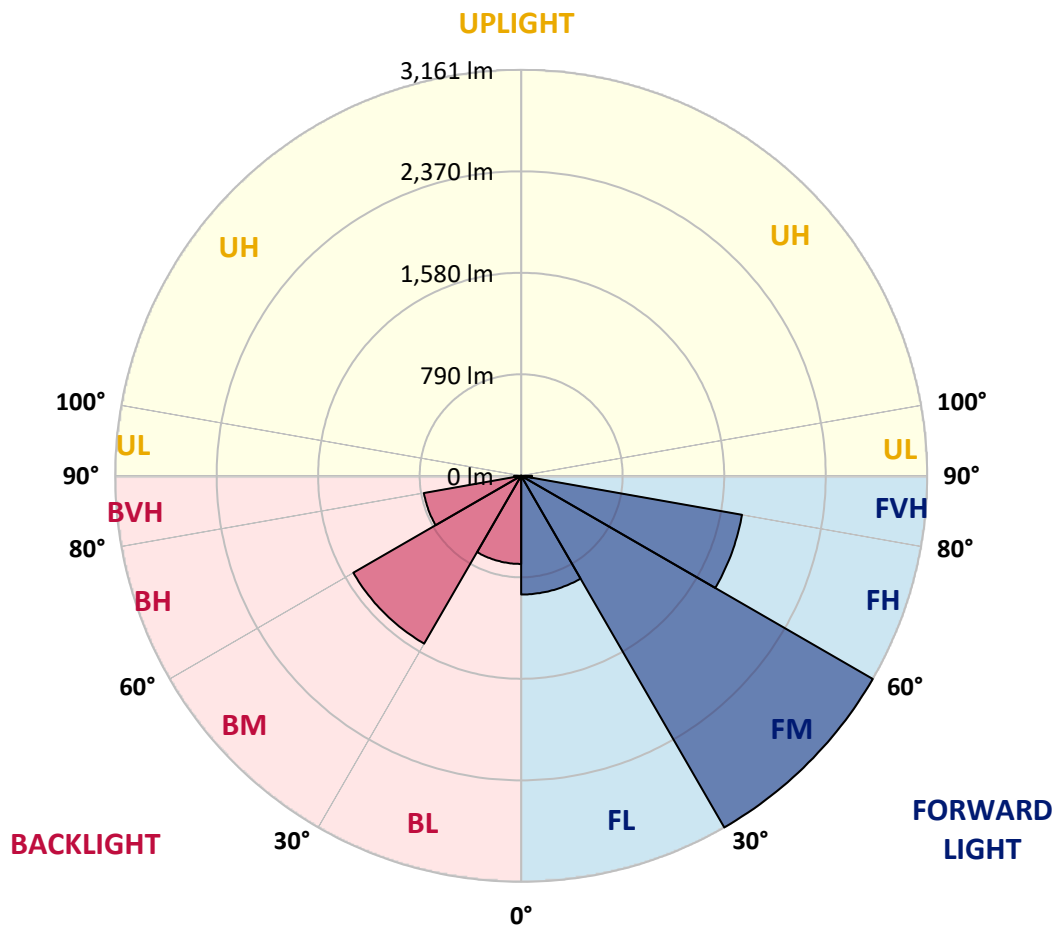
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	923.9	10.3			
FM	(30°-60°)	3160.5	35.4			
FH	(60°-80°)	1745.6	19.5			G1/1800
FVH	(80°-90°)	85.2	1.0			G1/100
BL	(0°-30°)	686.0	7.7	B2/1000		
BM	(30°-60°)	1508.6	16.9	B2/2500		
BH	(60°-80°)	768.6	8.6	B2/1000		G2/1000
BVH	(80°-90°)	55.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6
2.5°	1859.4	1856.1	1842.8	1844.5	1844.5	1842.8	1822.9	1814.6	1814.6	1812.9	1794.7
5°	1925.7	1920.8	1905.8	1902.5	1895.9	1887.6	1856.1	1837.8	1829.5	1827.9	1803.0
7.5°	2003.7	1997.1	1978.8	1968.9	1952.3	1930.7	1890.9	1862.7	1842.8	1841.1	1806.3
10°	2081.6	2075.0	2053.5	2035.2	2012.0	1977.2	1925.7	1884.3	1852.8	1849.4	1808.0
12.5°	2174.5	2167.9	2141.4	2118.1	2083.3	2036.9	1968.9	1912.5	1869.3	1864.4	1812.9
15°	2272.4	2262.4	2235.9	2209.4	2166.2	2106.5	2025.3	1950.6	1895.9	1887.6	1827.9
17.5°	2353.7	2340.4	2318.8	2292.3	2244.2	2174.5	2081.6	1988.8	1920.8	1914.1	1842.8
20°	2423.3	2413.4	2390.2	2365.3	2313.9	2237.6	2134.7	2026.9	1944.0	1935.7	1854.4
22.5°	2489.7	2476.4	2463.1	2444.9	2388.5	2303.9	2196.1	2073.4	1973.8	1963.9	1869.3
25°	2566.0	2551.1	2546.1	2536.1	2469.8	2383.5	2270.7	2131.4	2015.3	2003.7	1895.9
27.5°	2660.5	2643.9	2634.0	2634.0	2554.4	2464.8	2350.4	2199.4	2063.4	2053.5	1929.0
30°	2760.1	2740.1	2725.2	2725.2	2635.6	2546.1	2428.3	2267.4	2118.1	2106.5	1972.2
32.5°	2848.0	2828.1	2811.5	2809.8	2716.9	2627.4	2509.6	2342.1	2184.5	2169.6	2025.3
35°	2916.0	2897.7	2882.8	2886.1	2798.2	2710.3	2600.8	2441.6	2267.4	2250.8	2094.9
37.5°	2957.4	2950.8	2942.5	2954.1	2872.8	2789.9	2695.4	2537.8	2362.0	2347.0	2181.2
40°	2979.0	2974.0	3007.2	3022.1	2935.9	2861.2	2789.9	2637.3	2464.8	2448.2	2280.7
42.5°	3010.5	3052.0	3065.2	3061.9	2982.3	2916.0	2876.2	2745.1	2585.9	2571.0	2400.1
45°	2897.7	2887.8	2960.8	3000.6	2985.6	2950.8	2957.4	2874.5	2726.9	2711.9	2537.8
47.5°	2746.8	2733.5	2775.0	2872.8	2930.9	2964.1	3030.4	3008.9	2889.4	2876.2	2698.7
50°	2428.3	2446.6	2600.8	2731.9	2846.3	2960.8	3091.8	3153.2	3068.6	3055.3	2871.2
52.5°	2075.0	2093.3	2254.2	2556.0	2743.5	2935.9	3136.6	3297.5	3262.6	3247.7	3055.3
55°	1817.9	1857.7	2040.2	2259.1	2597.5	2857.9	3163.1	3445.1	3471.6	3458.4	3256.0
57.5°	1562.5	1592.3	1730.0	1924.1	2398.5	2721.9	3161.5	3582.8	3690.6	3677.3	3460.0
60°	1262.3	1300.4	1409.9	1618.9	2133.1	2559.3	3115.0	3690.6	3901.2	3891.3	3657.4
62.5°	1056.6	1068.2	1146.2	1326.9	1791.4	2353.7	3010.5	3748.6	4092.0	4085.3	3834.9
65°	850.9	852.6	923.9	1074.8	1461.3	2098.2	2833.0	3727.1	4236.3	4239.6	3962.6
67.5°	656.8	665.1	729.8	844.3	1161.1	1766.5	2579.3	3581.1	4237.9	4246.2	3889.6
70°	454.5	461.1	559.0	670.1	897.3	1408.2	2235.9	3194.6	3889.6	3896.2	3486.6
72.5°	320.1	323.4	427.9	535.8	701.6	1061.6	1686.9	2642.3	3315.7	3320.7	2932.6
75°	238.9	242.2	301.9	406.4	537.4	734.8	1152.8	2023.6	2648.9	2648.9	2315.5
77.5°	169.2	170.8	195.7	280.3	358.3	495.9	693.3	1325.3	1944.0	1947.3	1686.9
80°	114.4	116.1	127.7	189.1	223.9	268.7	376.5	695.0	1225.8	1230.7	1071.5
82.5°	59.7	63.0	71.3	96.2	112.8	149.3	194.1	353.3	678.4	691.7	643.6
85°	23.2	23.2	26.5	31.5	41.5	58.1	89.6	134.4	306.9	316.8	283.6
87.5°	8.3	8.3	10.0	10.0	11.6	13.3	14.9	19.9	34.8	34.8	33.2
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°	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6	1804.6
2.5°	1788.1	1788.1	1779.8	1783.1	1781.4	1778.1	1774.8	1779.8	1774.8	1763.2	1761.5
5°	1791.4	1788.1	1774.8	1773.1	1768.2	1761.5	1753.2	1756.5	1748.3	1738.3	1736.6
7.5°	1793.0	1786.4	1768.2	1761.5	1751.6	1738.3	1725.0	1725.0	1713.4	1703.5	1701.8
10°	1789.7	1781.4	1756.5	1743.3	1725.0	1705.1	1686.9	1681.9	1668.6	1657.0	1657.0
12.5°	1791.4	1779.8	1748.3	1726.7	1701.8	1676.9	1653.7	1647.1	1635.5	1623.9	1622.2
15°	1801.3	1784.7	1744.9	1716.7	1680.2	1652.0	1627.2	1622.2	1612.2	1603.9	1603.9
17.5°	1811.3	1789.7	1740.0	1700.2	1655.4	1623.9	1600.6	1600.6	1594.0	1589.0	1589.0
20°	1816.3	1791.4	1730.0	1676.9	1625.5	1592.3	1570.8	1574.1	1572.4	1570.8	1570.8
22.5°	1827.9	1794.7	1721.7	1655.4	1594.0	1559.2	1539.3	1544.2	1542.6	1542.6	1544.2
25°	1846.1	1803.0	1715.1	1635.5	1564.1	1526.0	1504.4	1507.7	1507.7	1507.7	1507.7
27.5°	1871.0	1819.6	1713.4	1617.2	1534.3	1491.2	1464.6	1464.6	1458.0	1459.6	1461.3
30°	1909.1	1851.1	1716.7	1600.6	1502.8	1448.0	1416.5	1411.5	1409.9	1413.2	1414.9
32.5°	1955.6	1894.2	1736.6	1589.0	1469.6	1399.9	1360.1	1358.5	1353.5	1353.5	1353.5
35°	2013.6	1935.7	1754.9	1587.4	1436.4	1348.5	1305.4	1300.4	1288.8	1283.8	1283.8
37.5°	2088.3	2000.4	1776.5	1575.7	1408.2	1298.7	1247.3	1230.7	1217.5	1215.8	1215.8
40°	2179.5	2073.4	1808.0	1562.5	1378.4	1247.3	1179.3	1151.1	1152.8	1159.4	1159.4
42.5°	2287.3	2162.9	1847.8	1555.8	1335.2	1194.3	1099.7	1066.5	1078.1	1084.8	1086.4
45°	2413.4	2269.1	1892.6	1547.6	1295.4	1134.5	1015.1	973.6	978.6	980.3	981.9
47.5°	2559.3	2386.8	1939.0	1540.9	1250.6	1059.9	922.2	867.5	865.8	855.9	859.2
50°	2711.9	2511.2	1987.1	1529.3	1195.9	972.0	824.4	759.7	746.4	731.5	733.1
52.5°	2874.5	2639.0	2031.9	1511.1	1127.9	882.4	731.5	661.8	635.3	618.7	622.0
55°	3053.6	2770.0	2075.0	1482.9	1056.6	792.9	648.5	577.2	544.0	530.8	532.4
57.5°	3217.8	2896.1	2106.5	1448.0	978.6	711.6	575.6	505.9	484.3	482.7	484.3
60°	3377.1	3002.2	2119.8	1399.9	899.0	636.9	507.6	454.5	439.6	447.8	449.5
62.5°	3511.4	3070.2	2113.2	1335.2	817.7	565.6	452.8	414.7	404.7	421.3	423.0
65°	3589.4	3091.8	2066.7	1242.4	729.8	495.9	401.4	359.9	355.0	364.9	369.9
67.5°	3486.6	2957.4	1940.7	1114.6	632.0	431.3	351.6	318.5	310.2	318.5	318.5
70°	3090.1	2562.7	1642.1	912.3	524.1	368.2	305.2	282.0	275.3	282.0	280.3
72.5°	2574.3	2131.4	1293.8	711.6	413.0	310.2	265.4	243.8	237.2	230.6	227.2
75°	1997.1	1618.9	938.8	522.5	311.8	248.8	222.3	202.4	185.8	192.4	189.1
77.5°	1463.0	1136.2	665.1	361.6	223.9	192.4	174.2	159.2	147.6	160.9	159.2
80°	942.1	734.8	444.5	242.2	154.3	134.4	127.7	119.4	131.0	170.8	174.2
82.5°	575.6	466.1	265.4	157.6	101.2	89.6	82.9	82.9	134.4	147.6	149.3
85°	257.1	247.1	144.3	81.3	56.4	51.4	46.4	59.7	54.7	39.8	41.5
87.5°	41.5	43.1	31.5	28.2	21.6	21.6	16.6	11.6	8.3	5.0	5.0
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)