

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: P286961

Luminaire Tested: **USSL-C02-D-U-T3-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C02-D-U-T3-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20050 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 153
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: 28.75 FT



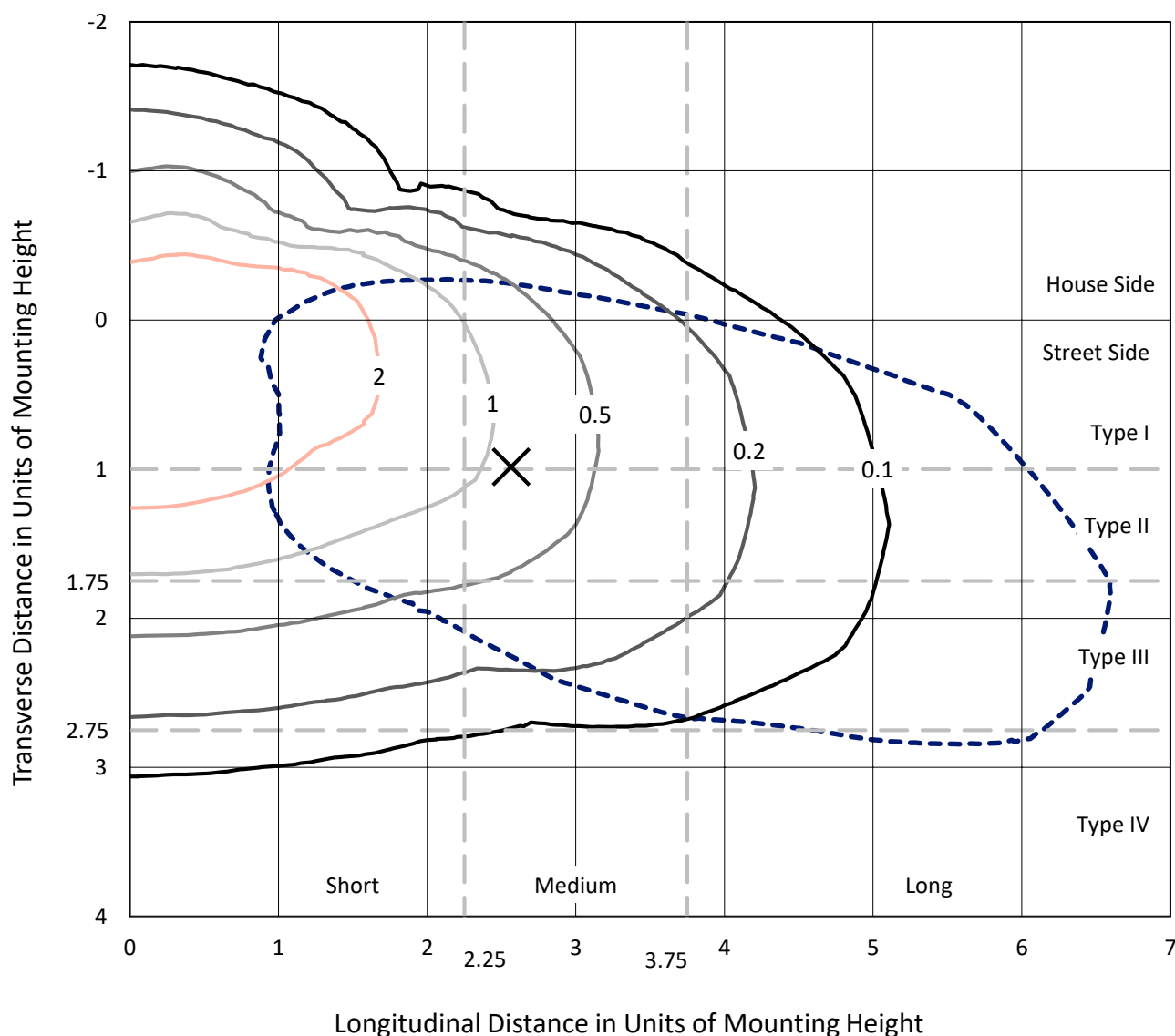
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

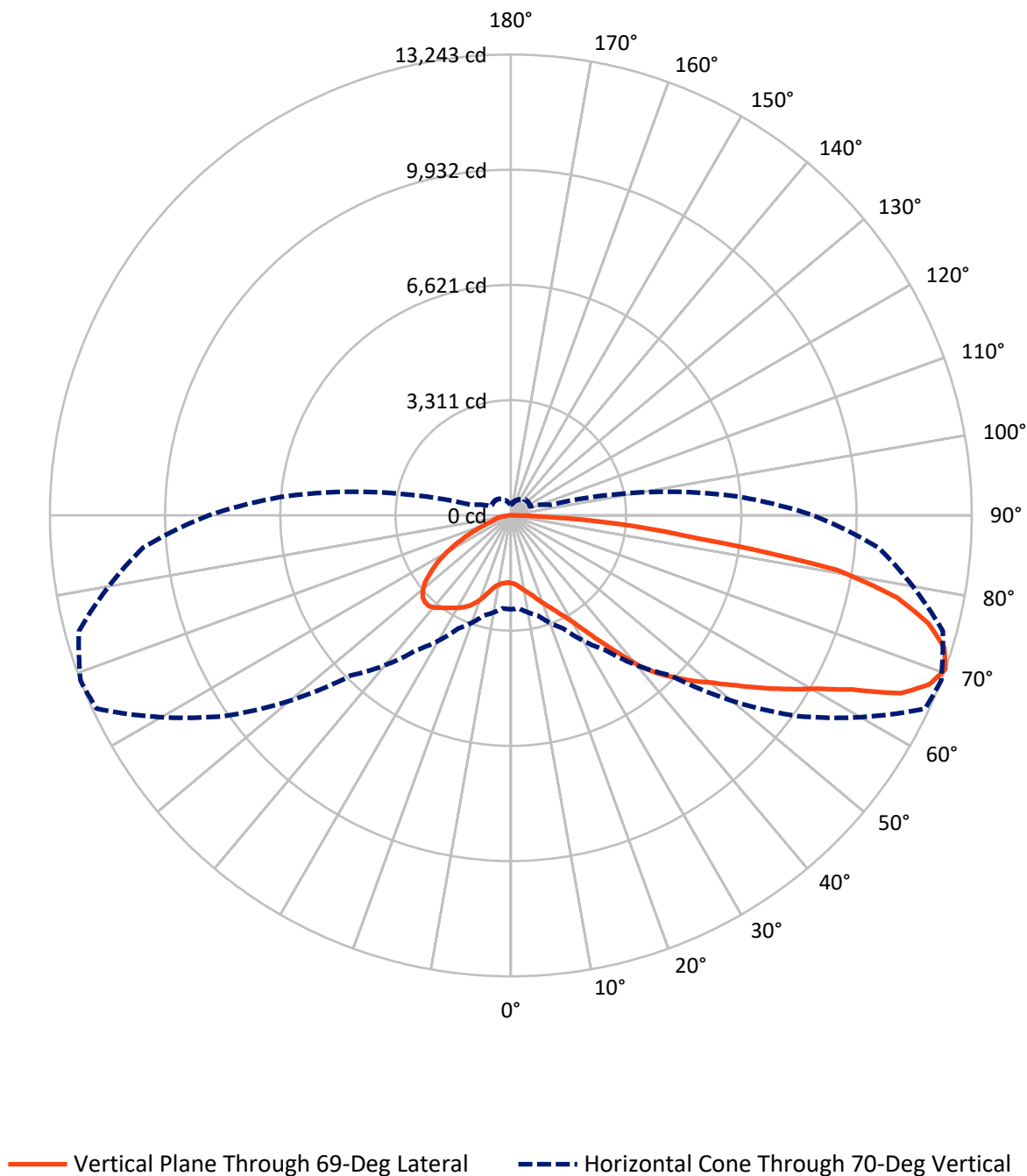


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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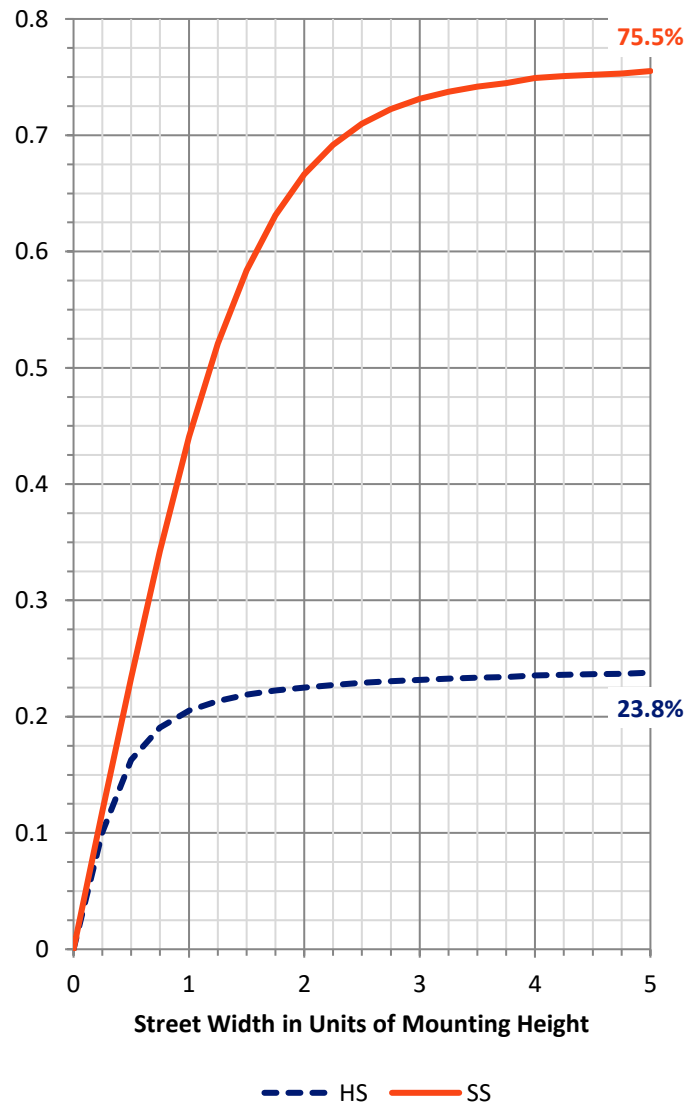
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4863.1	0.0	4863.1
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	15186.9	0.0	15186.9
	% Fixture	75.7	0.0	75.7
Total	Lumens	20050.0	0.0	20050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	1.0
10°-20°	634.1	3.2
20°-30°	1192.4	5.9
30°-40°	2041.4	10.2
40°-50°	3117.9	15.6
50°-60°	4032.1	20.1
60°-70°	4586.4	22.9
70°-80°	3494.7	17.4
80°-90°	758.1	3.8
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°	20050.0	100.0
0°-180°	20050.0	100.0

Coefficient of Utilization



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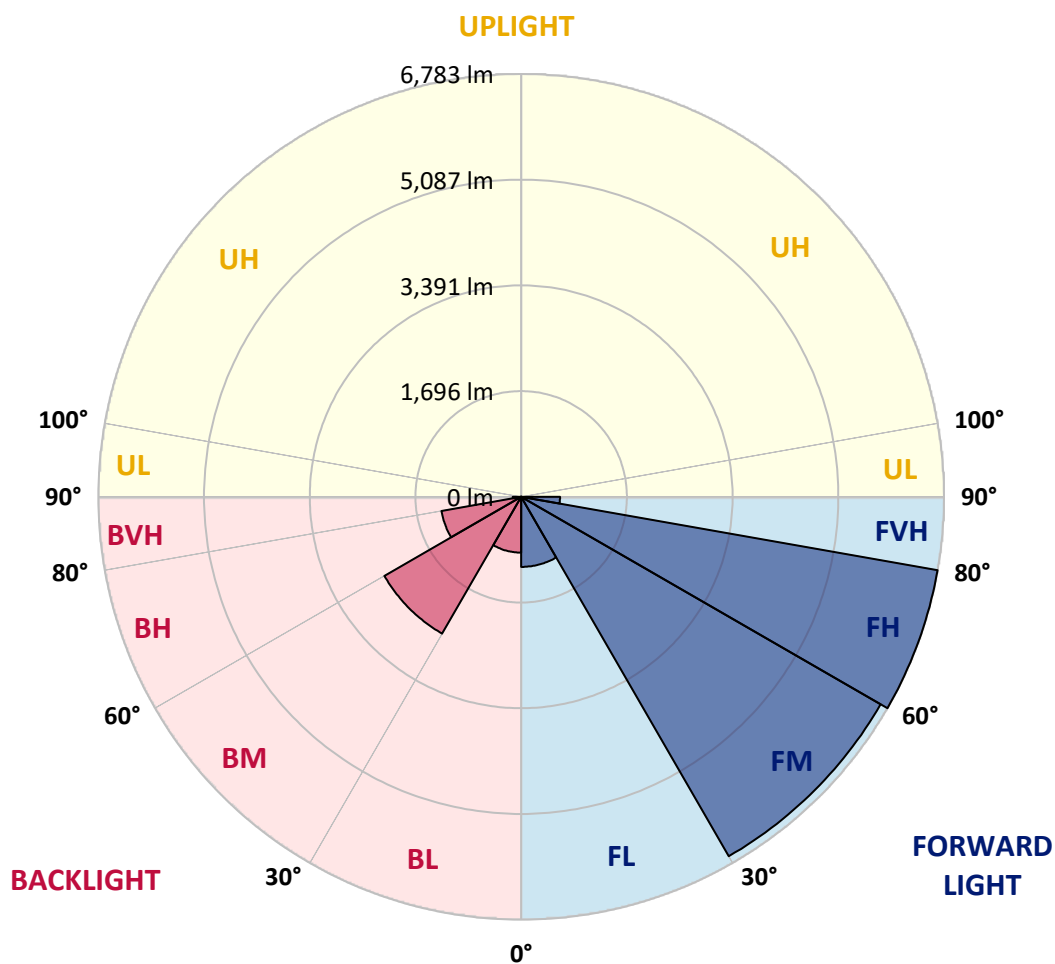
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1124.0	5.6			
FM	(30°-60°)	6657.1	33.2			
FH	(60°-80°)	6782.6	33.8			G3/7500
FVH	(80°-90°)	623.2	3.1			G4/750
BL	(0°-30°)	895.3	4.5	B2/1000		
BM	(30°-60°)	2534.2	12.6	B3/5000		
BH	(60°-80°)	1298.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	135.0	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5
2.5°	2066.1	2052.4	2053.4	2018.1	2019.1	2005.4	1997.5	1985.8	1966.2	1973.0	1940.7
5°	2166.1	2147.5	2153.4	2111.2	2109.3	2090.6	2071.0	2035.8	2026.9	2023.0	1994.6
7.5°	2231.8	2227.9	2224.9	2203.4	2201.4	2179.8	2161.2	2123.0	2108.3	2090.6	2054.4
10°	2295.5	2298.4	2301.4	2264.1	2287.7	2262.2	2241.6	2210.2	2190.6	2184.7	2128.9
12.5°	2327.8	2330.8	2346.5	2335.7	2349.4	2363.1	2342.5	2310.2	2290.6	2290.6	2225.9
15°	2356.3	2364.1	2390.6	2399.4	2423.9	2435.7	2451.3	2430.8	2401.4	2396.5	2342.5
17.5°	2404.3	2400.4	2423.9	2463.1	2491.5	2514.1	2558.2	2552.3	2550.3	2537.6	2498.4
20°	2469.0	2462.1	2485.6	2502.3	2546.4	2614.0	2673.8	2704.2	2702.3	2695.4	2661.1
22.5°	2539.6	2532.7	2533.7	2546.4	2606.2	2708.1	2800.3	2858.1	2859.1	2863.0	2894.4
25°	2660.1	2631.7	2622.9	2633.6	2705.2	2829.7	2948.3	3043.3	3062.0	3084.5	3184.5
27.5°	2952.2	2965.9	2846.3	2768.9	2828.7	2981.6	3120.8	3260.9	3290.3	3358.0	3557.9
30°	3406.0	3383.5	3322.7	3154.1	3017.9	3154.1	3350.1	3523.6	3579.5	3752.0	3932.3
32.5°	3749.1	3750.0	3720.6	3577.5	3389.3	3356.0	3577.5	3864.7	3975.5	4296.0	4457.7
35°	4097.0	4082.3	4107.8	3972.5	3805.9	3687.3	3825.5	4204.8	4458.7	4933.1	5020.3
37.5°	4423.4	4428.3	4434.2	4303.8	4224.4	4183.3	4167.6	4644.9	5009.5	5525.1	5580.0
40°	4665.5	4691.9	4710.6	4639.0	4610.6	4612.6	4544.9	5167.3	5672.1	6179.8	6117.1
42.5°	4858.6	4889.0	5024.2	4928.2	4969.3	5051.7	5039.9	5580.9	6209.2	6681.6	6609.1
45°	5020.3	5021.3	5115.4	5153.6	5300.6	5456.5	5469.2	6022.0	6654.2	7134.5	6995.3
47.5°	5132.0	5112.4	5185.9	5341.8	5612.3	5795.6	5917.1	6520.9	7113.9	7540.2	7390.3
50°	5166.3	5193.8	5316.3	5514.3	5875.0	6164.1	6419.9	7153.1	7561.8	7937.2	7710.8
52.5°	5230.0	5241.8	5413.3	5672.1	6141.6	6526.8	6781.6	7805.9	8112.7	8344.0	8102.8
55°	5284.0	5317.3	5481.0	5755.4	6310.2	6820.8	7164.9	8400.8	8746.8	8791.9	8513.5
57.5°	5090.9	5123.2	5414.3	5778.9	6450.3	7058.0	7585.3	8979.1	9409.4	9332.9	8872.3
60°	4734.1	4771.3	5120.3	5714.2	6472.9	7322.7	8136.2	9747.5	10109.2	10017.1	9276.1
62.5°	4410.6	4412.6	4790.0	5436.9	6366.0	7504.0	8805.6	10741.4	11013.9	10852.2	9724.0
65°	3984.3	3980.4	4321.5	4990.9	6064.1	7448.1	9328.0	11954.8	12315.5	11856.8	10152.3
67.5°	3408.0	3396.2	3741.2	4361.6	5503.5	7160.9	9771.1	12780.1	12966.3	12589.9	10494.4
70°	2694.4	2681.7	2973.8	3589.3	4722.3	6505.2	10050.4	13132.9	13242.7	12849.7	10602.2
72.5°	1889.7	1881.9	2056.3	2543.5	3612.8	5473.1	9990.6	12956.5	13026.1	12578.2	10285.6
75°	1118.3	1115.4	1278.1	1556.5	2135.7	4078.4	9315.3	12309.6	12392.9	11986.2	9508.4
77.5°	431.3	399.9	624.4	757.7	1214.4	1910.3	7125.6	11148.2	11341.2	10959.0	8377.3
80°	141.1	146.0	438.1	535.2	704.7	855.7	3812.8	9047.7	9505.4	9260.4	6345.5
82.5°	102.9	105.9	272.5	361.7	466.5	580.2	1442.8	4918.4	5400.6	5317.3	3114.9
85°	67.6	67.6	93.1	128.4	174.5	232.3	404.8	2496.4	3060.0	2968.9	1349.7
87.5°	36.3	37.2	53.9	77.4	104.9	122.5	129.4	510.7	696.9	606.7	269.5
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°	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5	1947.5
2.5°	1930.9	1950.5	1935.8	1924.0	1904.4	1893.6	1896.6	1886.8	1878.0	1900.5	1889.7
5°	1984.8	1997.5	1959.3	1936.8	1905.4	1878.9	1877.0	1855.4	1844.6	1853.5	1857.4
7.5°	2030.9	2040.7	1989.7	1949.5	1918.1	1886.8	1865.2	1828.0	1813.3	1828.9	1834.8
10°	2110.2	2098.5	2036.7	1991.7	1945.6	1907.4	1871.1	1835.8	1809.3	1810.3	1812.3
12.5°	2200.4	2168.1	2113.2	2049.5	1999.5	1961.3	1911.3	1851.5	1809.3	1808.4	1815.2
15°	2325.9	2286.7	2238.6	2163.2	2107.3	2052.4	1972.0	1868.2	1801.5	1778.0	1768.2
17.5°	2482.7	2430.8	2414.1	2326.9	2234.7	2129.9	2001.5	1875.0	1757.4	1713.3	1715.3
20°	2670.9	2654.2	2632.7	2489.6	2357.2	2180.8	2015.2	1843.7	1685.8	1608.4	1600.6
22.5°	2935.5	2927.7	2825.8	2629.7	2426.8	2214.1	2003.4	1777.0	1586.9	1490.8	1471.2
25°	3241.3	3177.6	2988.5	2748.3	2481.7	2223.0	1956.4	1680.0	1470.2	1350.6	1344.8
27.5°	3545.2	3432.5	3154.1	2822.8	2486.6	2188.7	1857.4	1547.6	1354.6	1242.8	1228.1
30°	3899.0	3747.1	3321.7	2876.7	2475.8	2102.4	1719.2	1436.9	1278.1	1167.4	1150.7
32.5°	4346.0	4088.2	3487.4	2901.2	2403.3	1986.8	1572.2	1388.9	1222.2	1094.8	1075.2
35°	4881.1	4538.1	3711.8	2900.2	2308.2	1807.4	1497.7	1361.4	1183.0	1026.2	996.8
37.5°	5393.7	5041.9	3965.7	2888.5	2156.3	1620.2	1445.7	1317.3	1156.6	1012.5	995.8
40°	5866.2	5455.5	4273.4	2866.9	1977.9	1506.5	1387.9	1248.7	1125.2	1025.2	1006.6
42.5°	6306.2	5845.6	4548.8	2813.0	1781.9	1426.1	1309.5	1202.6	1091.9	965.4	937.0
45°	6704.2	6174.9	4739.0	2685.6	1567.2	1336.9	1221.3	1140.9	1031.1	901.7	879.2
47.5°	7036.5	6474.8	4873.3	2514.1	1393.8	1242.8	1119.3	1053.7	956.6	838.0	808.6
50°	7327.6	6771.8	4964.4	2222.0	1241.8	1146.8	1018.4	946.8	859.6	775.3	754.7
52.5°	7611.8	7072.7	5070.3	1831.9	1098.7	1035.0	902.7	823.3	757.7	718.4	704.7
55°	7987.2	7456.0	5070.3	1342.8	967.4	945.8	802.7	697.9	651.8	624.4	631.2
57.5°	8326.3	7691.2	4856.6	999.7	884.1	853.7	693.9	591.0	542.0	548.9	569.5
60°	8701.7	7915.6	4260.7	827.2	813.5	727.3	592.0	519.5	494.0	469.5	466.5
62.5°	8959.5	7948.0	3495.2	730.2	742.9	642.0	553.8	478.3	449.9	414.6	406.8
65°	9247.7	7774.5	2629.7	685.1	680.2	609.6	545.9	472.4	433.2	375.4	365.6
67.5°	9141.8	7261.9	1867.2	634.2	636.1	613.6	558.7	471.4	424.4	361.7	354.8
70°	8682.1	6431.7	1170.3	610.6	627.3	621.4	581.2	496.0	421.5	328.3	318.5
72.5°	8034.2	5363.3	654.7	566.5	622.4	626.3	608.7	518.5	386.2	268.6	262.7
75°	6971.8	4093.1	468.5	524.4	598.9	625.3	596.9	498.9	353.8	252.9	245.0
77.5°	5450.6	2399.4	412.6	483.2	554.8	558.7	592.0	518.5	367.6	256.8	248.0
80°	2947.3	992.9	347.0	425.4	455.8	528.3	574.4	484.2	340.1	206.8	194.1
82.5°	1195.8	280.3	201.9	270.5	369.5	436.2	511.6	428.3	311.7	172.5	162.7
85°	305.8	96.1	94.1	138.2	221.5	326.4	415.6	366.6	253.9	76.5	4.9
87.5°	38.2	31.4	37.2	76.5	144.1	234.3	304.8	264.6	180.3	1.0	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)