

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: P286973

Luminaire Tested: **USSL-C02-D-U-T4-BZ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-8)
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-T4-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE IV OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19621 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

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

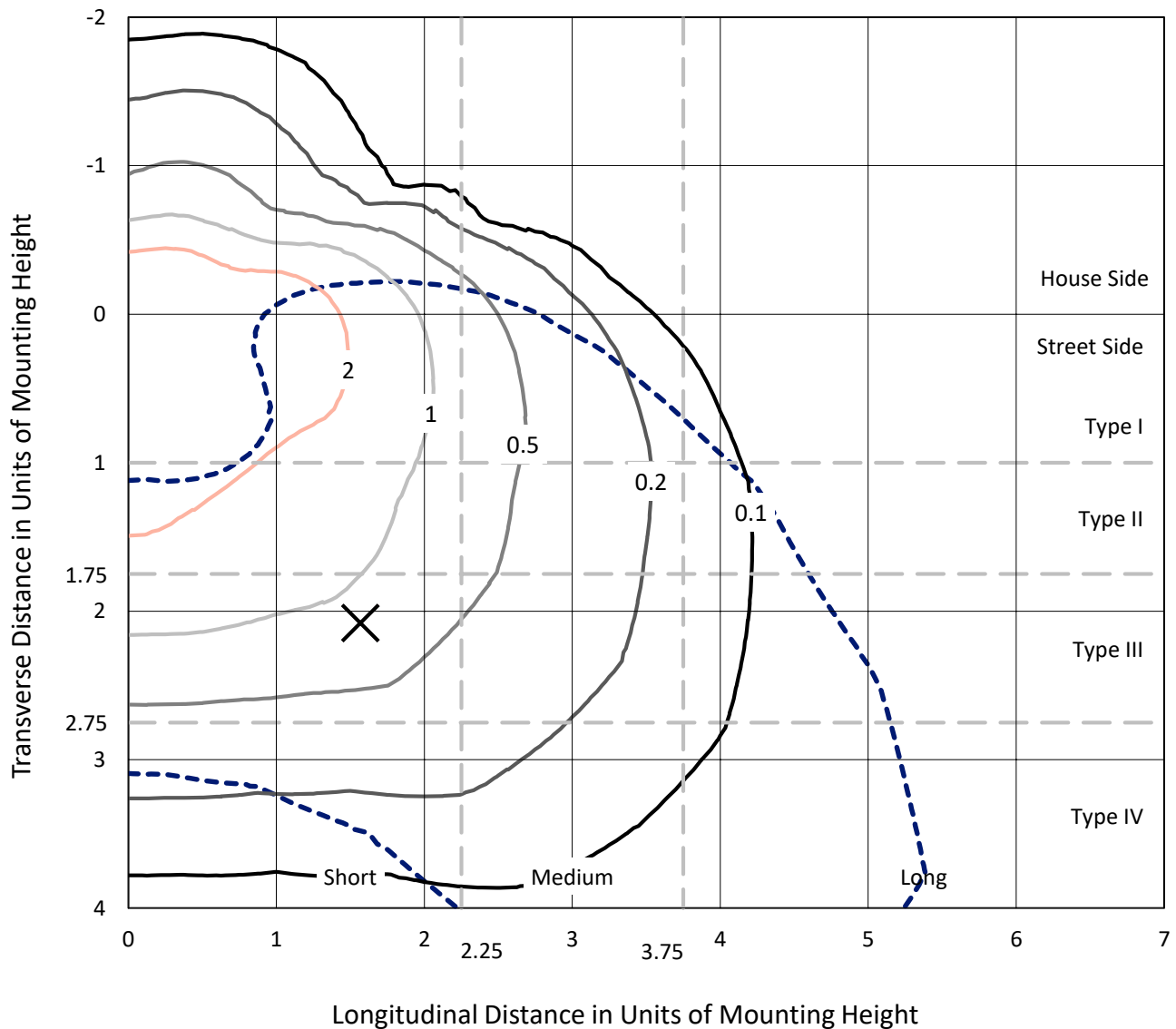


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

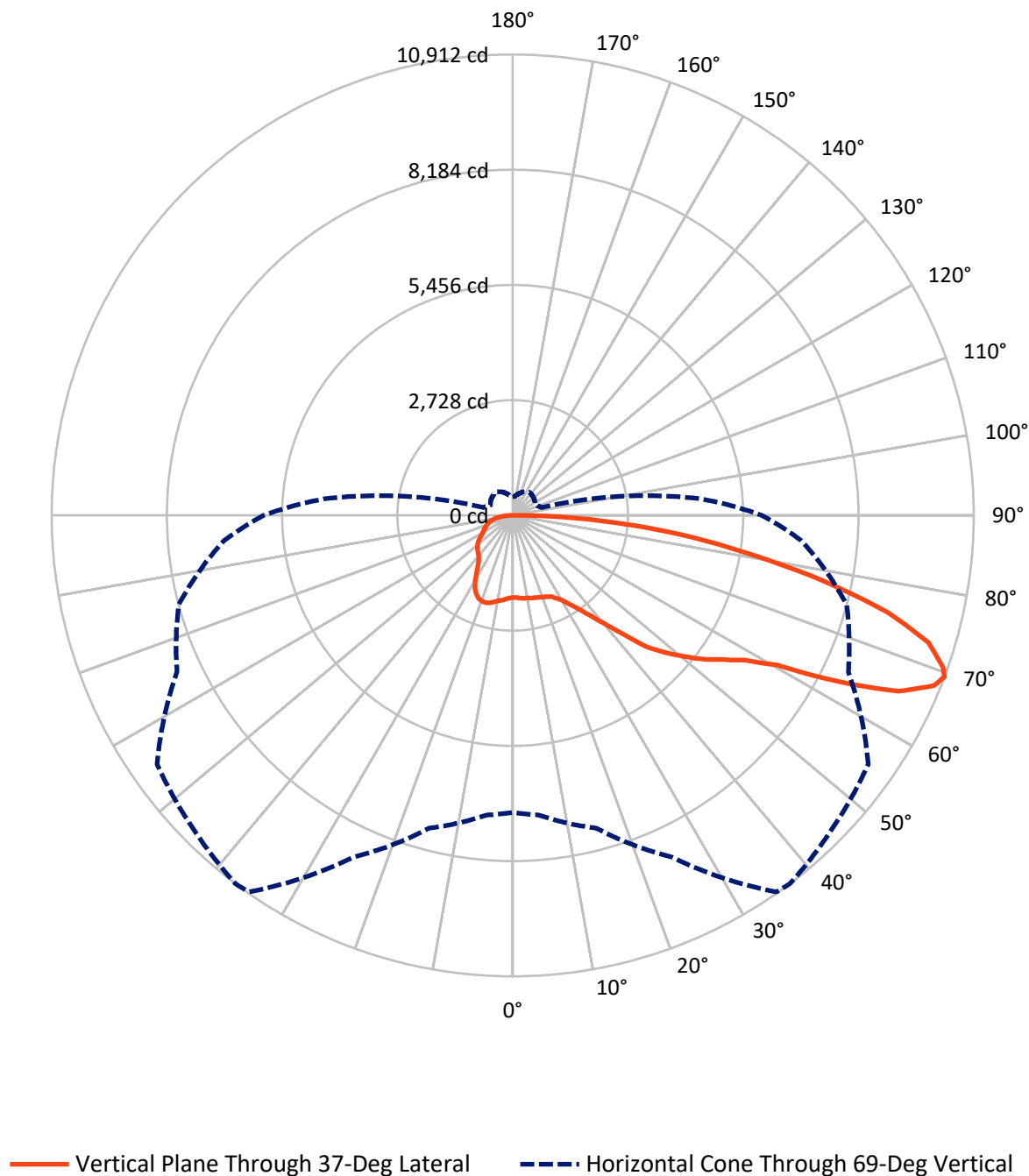


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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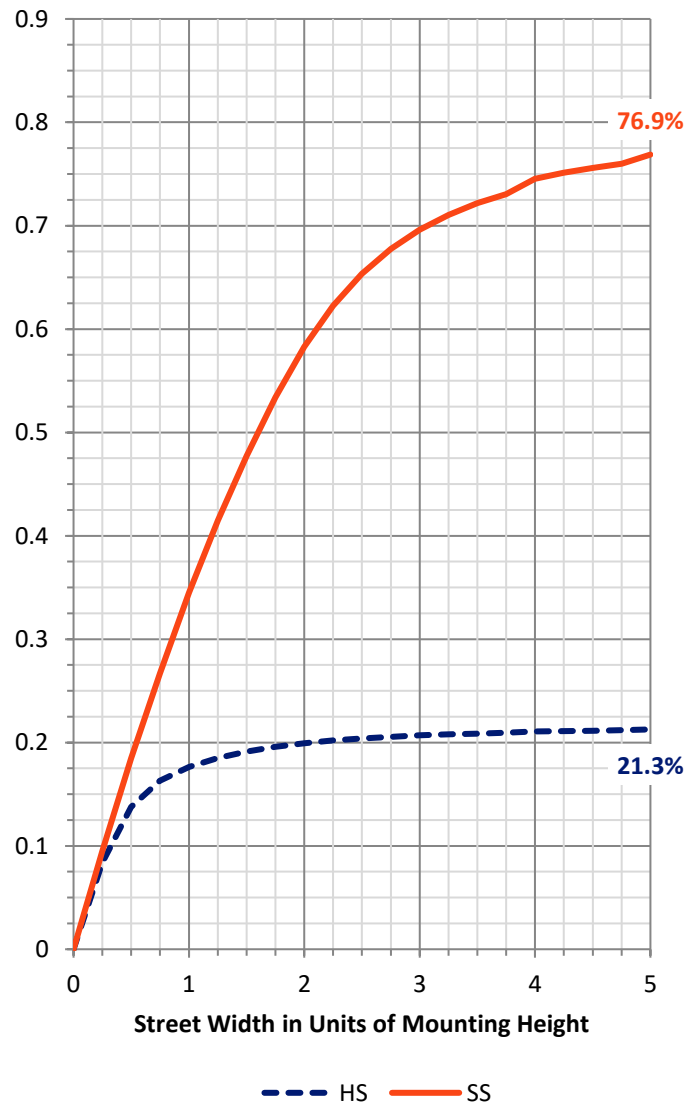
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4230.9	0.0	4230.9
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	15390.1	0.0	15390.1
	% Fixture	78.4	0.0	78.4
Total	Lumens	19621.0	0.0	19621.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.7	1.0
10°-20°	592.8	3.0
20°-30°	1013.0	5.2
30°-40°	1605.8	8.2
40°-50°	2728.7	13.9
50°-60°	3868.7	19.7
60°-70°	4923.2	25.1
70°-80°	3778.2	19.3
80°-90°	920.9	4.7
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°	19621.0	100.0
0°-180°	19621.0	100.0

Coefficient of Utilization



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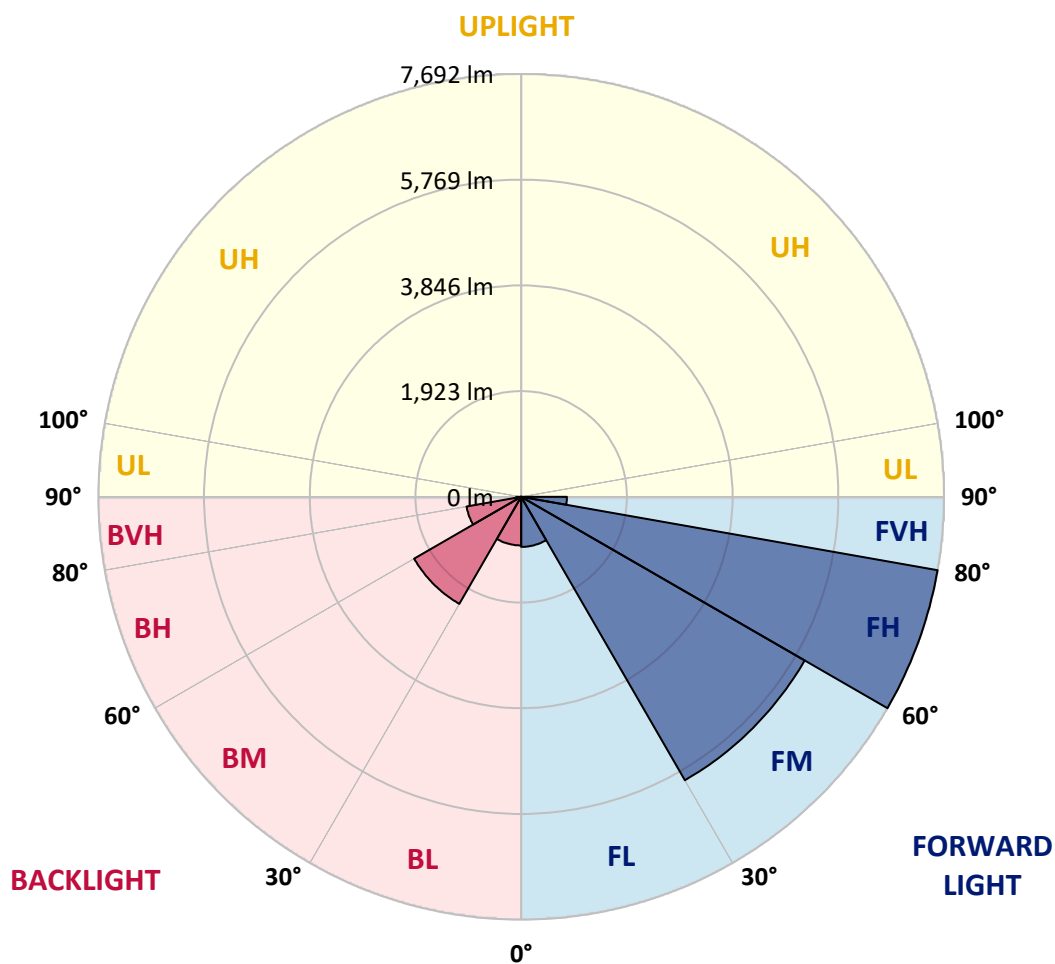
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	910.8	4.6			
FM	(30°-60°)	5954.7	30.3			
FH	(60°-80°)	7692.2	39.2			G4/12000
FVH	(80°-90°)	832.4	4.2			G5
BL	(0°-30°)	884.7	4.5	B2/1000		
BM	(30°-60°)	2248.6	11.5	B2/2500		
BH	(60°-80°)	1009.2	5.1	B3/2500		G3/2500
BVH	(80°-90°)	88.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0
2.5°	1980.5	1969.9	1969.9	1947.8	1947.8	1945.9	1950.7	1939.1	1937.2	1935.3	1928.6
5°	2005.5	2001.7	1988.2	1971.9	1979.6	1969.0	1969.0	1953.6	1954.5	1952.6	1942.0
7.5°	1999.8	2006.5	2005.5	1986.3	1980.5	1983.4	1984.4	1985.3	1975.7	1974.7	1967.0
10°	2018.1	2011.3	2014.2	1984.4	1992.1	1985.3	1995.9	1995.0	1995.0	1995.0	1986.3
12.5°	1979.6	1987.3	1990.1	1995.0	2009.4	2009.4	2026.7	2033.4	2047.9	2057.5	2046.0
15°	1969.0	1962.2	1990.1	1987.3	2020.9	2018.1	2046.0	2083.5	2096.0	2122.0	2128.7
17.5°	1963.2	1976.7	1997.8	1996.9	2029.6	2036.3	2074.8	2117.2	2152.8	2196.1	2211.5
20°	1979.6	1979.6	2001.7	2011.3	2061.4	2061.4	2101.8	2154.7	2210.5	2274.0	2306.8
22.5°	2031.5	2033.4	2053.7	2043.1	2074.8	2086.4	2121.0	2180.7	2267.3	2336.6	2404.0
25°	2061.4	2072.9	2097.0	2094.1	2124.9	2133.5	2174.9	2251.9	2345.3	2436.7	2549.3
27.5°	2130.6	2131.6	2150.9	2145.1	2218.2	2222.1	2259.6	2318.3	2454.0	2558.9	2716.7
30°	2230.7	2236.5	2249.0	2266.3	2342.4	2338.5	2363.5	2441.5	2572.4	2713.8	2928.4
32.5°	2448.2	2435.7	2420.3	2423.2	2498.3	2519.4	2567.6	2659.9	2821.6	2992.9	3224.8
35°	2818.7	2811.0	2755.2	2689.8	2715.8	2740.8	2819.7	2996.8	3246.0	3648.3	3855.2
37.5°	3302.8	3325.9	3221.0	3081.4	3024.7	3030.4	3103.6	3343.2	3750.3	4510.5	4641.4
40°	3915.8	3881.2	3752.2	3565.5	3422.1	3392.3	3415.4	3722.4	4314.2	5270.8	5295.8
42.5°	4363.3	4368.1	4221.8	4086.1	3898.5	3842.7	3804.2	4094.8	4897.4	5856.9	5768.3
45°	4882.0	4919.5	4759.8	4620.2	4488.4	4430.7	4372.9	4551.0	5500.8	6322.6	6170.6
47.5°	5321.8	5328.5	5122.6	5018.7	4872.4	4846.4	4790.6	4961.9	5991.6	6688.3	6480.5
50°	5729.8	5800.1	5532.6	5384.4	5262.1	5245.8	5266.0	5427.7	6469.9	7005.0	6730.7
52.5°	6430.4	6322.6	6009.9	5730.8	5654.8	5655.7	5651.9	5915.6	6964.5	7271.5	6936.6
55°	7076.2	6866.4	6520.9	6207.2	6021.4	6023.4	6056.1	6378.5	7374.5	7528.5	7077.1
57.5°	7480.4	7595.8	7279.2	6808.6	6457.4	6463.2	6462.2	6811.5	7726.7	7754.6	7185.9
60°	8070.3	8207.9	8125.1	7772.0	7300.4	7196.5	6933.7	7300.4	8088.6	7971.2	7301.4
62.5°	8501.4	8603.4	8833.4	8636.1	8663.1	8673.7	7848.0	7857.6	8347.4	8150.2	7326.4
65°	8502.4	8500.5	9034.6	9280.9	9922.8	10034.4	9687.0	8627.5	8592.8	8179.0	7230.1
67.5°	7690.2	7740.2	8302.2	9217.4	10669.6	10753.3	10531.0	9844.9	8719.9	8211.7	7074.2
69°	7033.8	7122.4	7666.1	8924.8	10881.3	10912.1	10611.9	10274.1	8766.1	8183.8	6856.8
70°	6599.8	6603.7	7158.0	8564.0	10774.5	10809.1	10606.1	10347.2	8726.6	8104.9	6685.5
72.5°	5208.2	5263.1	5753.9	7275.4	10250.0	10283.7	10213.4	10154.7	8669.8	7755.6	5750.1
75°	3808.0	3844.6	4293.1	5699.0	8963.3	9166.4	9474.4	9803.5	8078.9	6669.1	4328.7
77.5°	2670.5	2718.6	3180.6	4325.8	7300.4	7579.5	8273.3	8581.3	6845.2	5223.6	2413.6
80°	1783.2	1842.9	2262.5	3222.0	5557.6	5842.4	6645.0	6777.8	5236.2	3133.4	478.3
82.5°	1134.6	1150.0	1483.9	2276.9	4133.3	4296.9	4587.5	4309.4	2775.4	714.1	141.5
85°	662.1	690.0	897.9	1429.1	2548.3	2735.0	2862.0	2138.3	670.8	96.2	76.0
87.5°	249.2	260.8	363.8	617.8	1192.4	1174.1	1139.4	721.8	120.3	44.3	34.6
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°	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0	1943.0
2.5°	1927.6	1944.9	1936.3	1932.4	1930.5	1940.1	1958.4	1953.6	1950.7	1982.4	1985.3
5°	1942.0	1966.1	1965.1	1969.0	1963.2	1974.7	1983.4	1986.3	1989.2	2022.9	2027.7
7.5°	1969.0	1979.6	1983.4	1998.8	1990.1	2008.4	2023.8	2008.4	2022.9	2046.9	2051.7
10°	1993.0	2009.4	2010.4	2034.4	2025.7	2043.1	2046.9	2046.9	2058.5	2086.4	2081.6
12.5°	2050.8	2051.7	2085.4	2087.3	2098.9	2097.9	2090.2	2068.1	2057.5	2095.0	2097.9
15°	2134.5	2145.1	2188.4	2185.5	2171.1	2163.4	2130.6	2075.8	2044.0	2038.3	2038.3
17.5°	2235.5	2238.4	2294.2	2282.7	2259.6	2209.6	2155.7	2058.5	1969.0	1940.1	1922.8
20°	2318.3	2342.4	2410.7	2371.2	2330.8	2250.0	2131.6	1997.8	1859.3	1789.0	1770.7
22.5°	2430.9	2478.1	2517.5	2459.8	2375.1	2257.7	2101.8	1909.3	1727.4	1617.7	1598.5
25°	2590.7	2617.6	2615.7	2515.6	2381.8	2233.6	2016.1	1784.2	1561.9	1441.6	1406.0
27.5°	2755.2	2774.5	2693.6	2557.9	2358.7	2165.3	1904.5	1620.6	1394.4	1286.7	1259.7
30°	2941.9	2922.7	2754.3	2539.6	2298.1	2045.0	1747.6	1440.6	1249.1	1153.9	1139.4
32.5°	3229.7	3130.5	2808.1	2497.3	2188.4	1879.5	1556.1	1311.7	1154.8	1043.2	1023.9
35°	3729.1	3519.3	2904.4	2459.8	2055.6	1693.7	1391.6	1222.2	1071.1	939.3	914.2
37.5°	4374.8	4040.9	3085.3	2395.3	1898.7	1512.8	1286.7	1147.1	1007.6	861.3	833.4
40°	5008.1	4586.6	3328.8	2330.8	1750.5	1389.6	1227.0	1117.3	982.6	832.4	802.6
42.5°	5470.0	5023.5	3594.4	2269.2	1607.1	1293.4	1197.2	1108.6	983.5	837.2	809.3
45°	5818.4	5369.9	3863.8	2184.5	1439.7	1219.3	1169.3	1100.0	982.6	842.1	807.4
47.5°	6125.4	5597.0	4049.6	2072.9	1280.9	1161.6	1135.6	1067.2	958.5	821.8	792.0
50°	6341.9	5812.6	4170.8	1975.7	1158.7	1110.6	1088.4	1014.3	901.7	782.4	747.7
52.5°	6494.9	5952.1	4185.3	1951.6	1066.3	1066.3	1031.6	954.7	845.9	725.6	691.9
55°	6655.6	6032.0	4122.7	1862.2	969.1	993.1	971.0	914.2	809.3	686.2	665.0
57.5°	6648.9	5991.6	3997.6	1496.5	860.3	885.4	894.0	878.6	795.9	695.8	675.6
60°	6693.2	5950.2	3789.7	1040.3	757.4	795.9	832.4	832.4	753.5	635.2	614.0
62.5°	6670.1	5854.9	3346.1	733.3	675.6	737.2	783.4	747.7	670.8	570.7	557.2
65°	6519.9	5583.6	2509.8	622.6	646.7	703.5	745.8	691.0	612.1	515.8	506.2
67.5°	6245.7	5084.1	1334.8	582.2	634.2	680.4	703.5	643.8	565.9	468.7	458.1
69°	5896.3	4479.7	716.0	576.4	632.3	661.1	677.5	615.9	531.2	445.6	445.6
70°	5534.5	4001.5	462.9	579.3	624.6	649.6	659.2	596.7	511.0	421.5	417.7
72.5°	4336.4	2573.3	386.9	550.5	601.5	613.0	612.1	545.7	448.5	320.5	326.2
75°	2632.0	785.3	369.5	503.3	563.0	587.0	571.6	458.1	349.3	268.5	268.5
77.5°	716.0	275.2	350.3	459.0	513.9	520.6	515.8	426.3	311.8	222.3	224.2
80°	213.6	213.6	326.2	383.0	435.9	466.7	442.7	374.4	250.2	117.4	121.3
82.5°	123.2	138.6	273.3	269.5	352.2	351.3	351.3	267.5	169.4	77.0	62.6
85°	65.4	98.2	148.2	154.9	165.5	186.7	253.1	231.0	128.0	34.6	7.7
87.5°	37.5	55.8	40.4	28.9	60.6	110.7	163.6	156.9	106.8	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)