

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: P287021

Luminaire Tested: **USSL-C02-D-U-T3-BZ-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-7)
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-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17882 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - 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

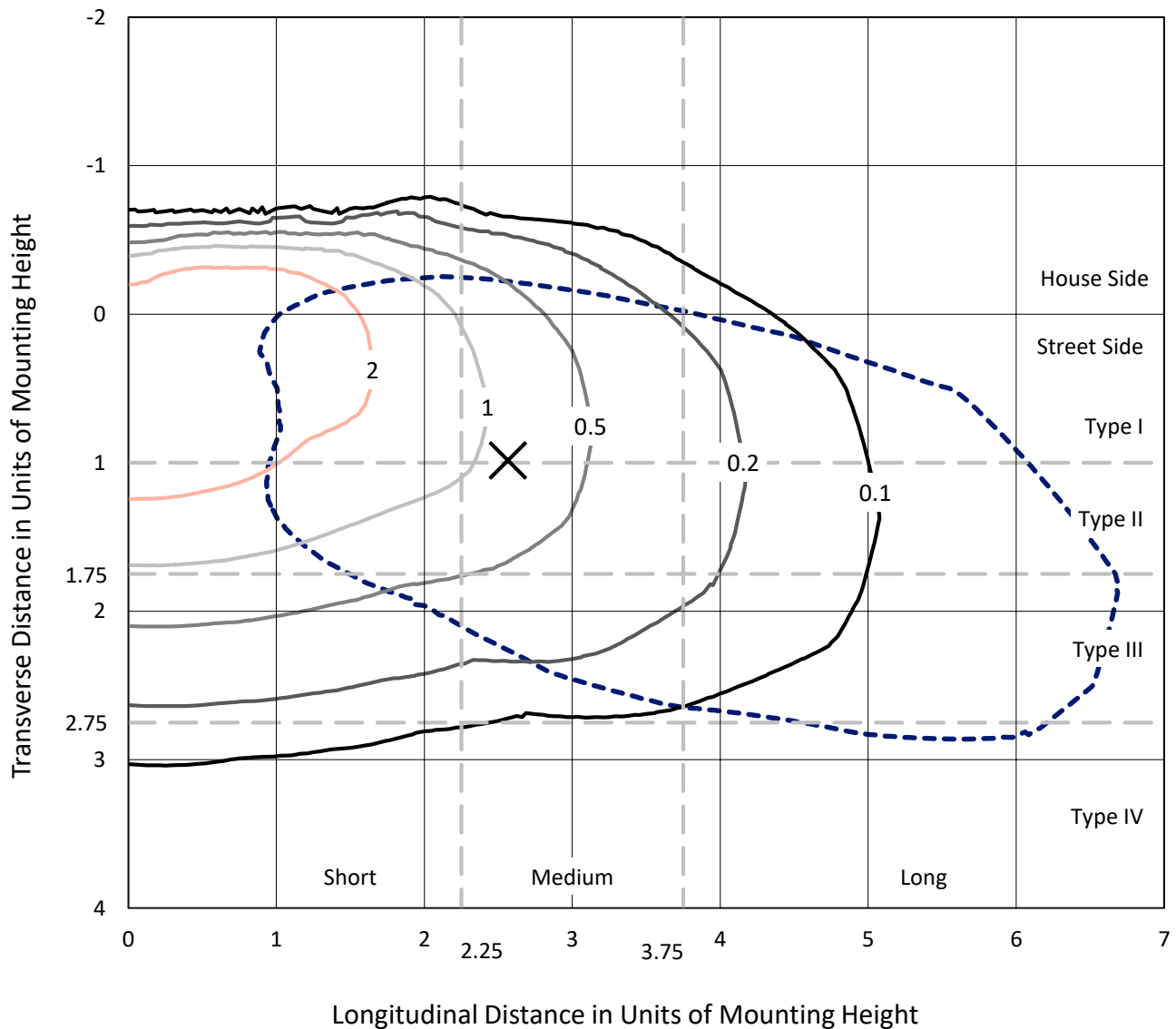


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

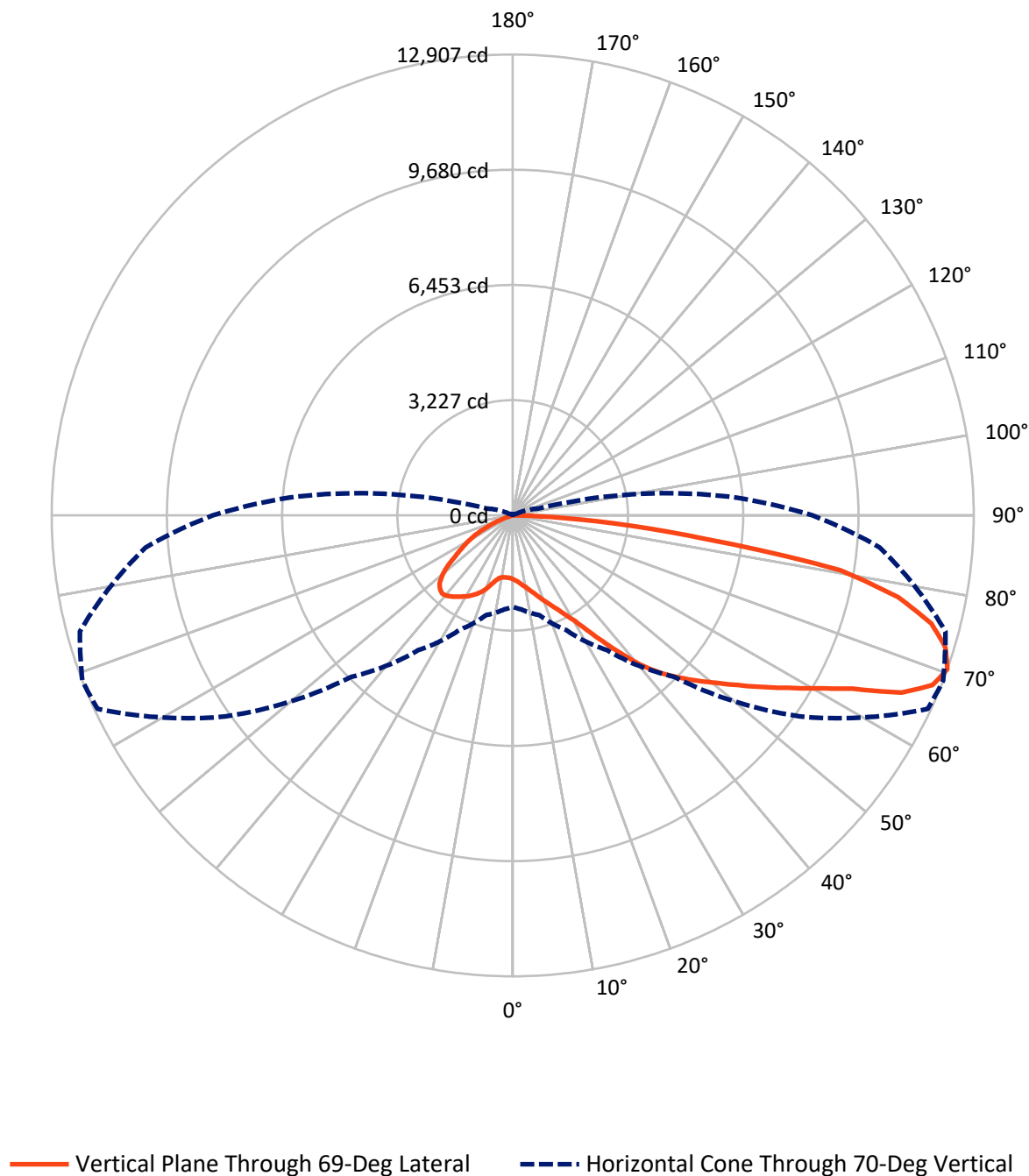


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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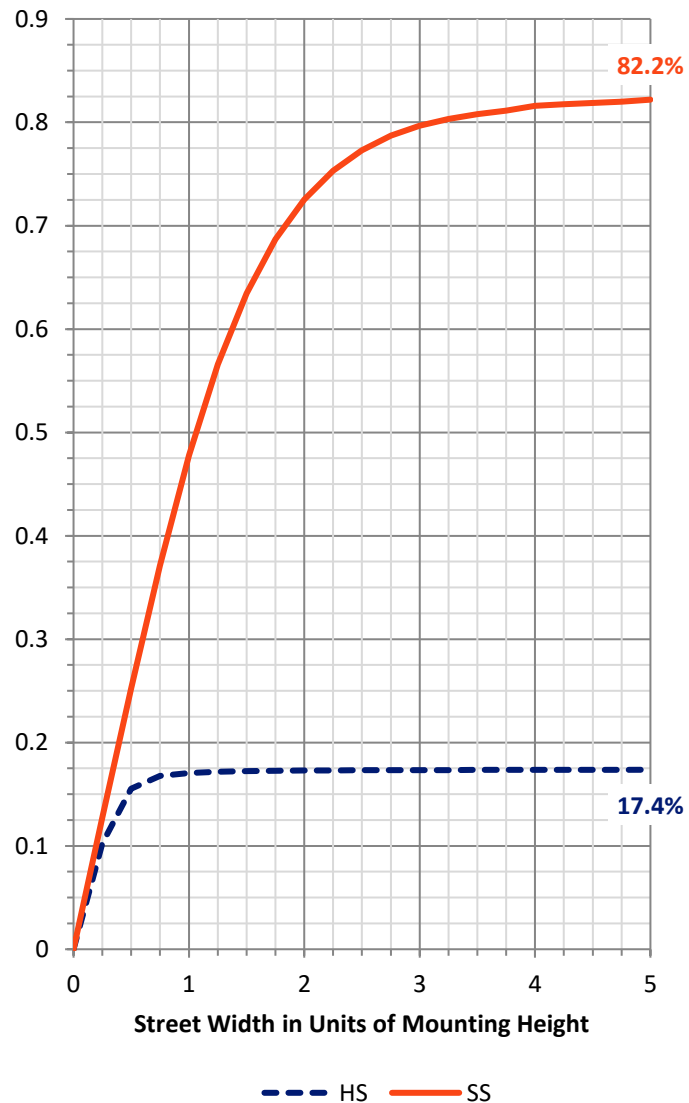
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3141.3	0.0	3141.3
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	14740.7	0.0	14740.7
	% Fixture	82.4	0.0	82.4
Total	Lumens	17882.0	0.0	17882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	1.0
10°-20°	551.5	3.1
20°-30°	1011.5	5.7
30°-40°	1737.3	9.7
40°-50°	2715.1	15.2
50°-60°	3626.0	20.3
60°-70°	4243.4	23.7
70°-80°	3187.7	17.8
80°-90°	635.5	3.6
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°	17882.0	100.0
0°-180°	17882.0	100.0

Coefficient of Utilization



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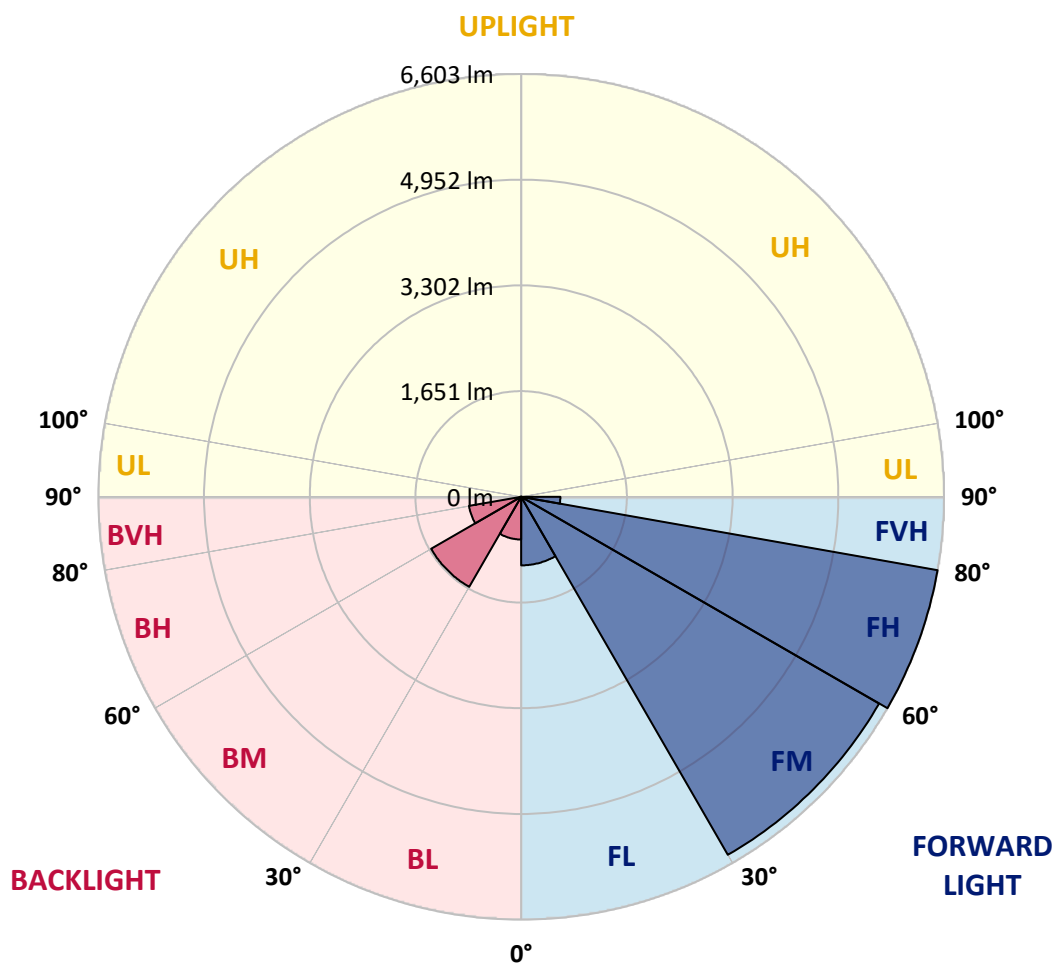
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1070.3	6.0			
FM	(30°-60°)	6455.1	36.1			
FH	(60°-80°)	6603.3	36.9			G3/7500
FVH	(80°-90°)	612.0	3.4			G4/750
BL	(0°-30°)	666.5	3.7	B2/1000		
BM	(30°-60°)	1623.4	9.1	B2/2500		
BH	(60°-80°)	827.9	4.6	B2/1000		G2/1000
BVH	(80°-90°)	23.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0
2.5°	1912.2	1925.6	1917.0	1886.2	1880.4	1878.5	1858.3	1840.9	1830.4	1827.5	1794.8
5°	2016.1	2026.7	2023.8	1989.1	1979.5	1957.4	1940.1	1894.8	1888.1	1878.5	1839.0
7.5°	2094.0	2096.0	2113.3	2084.4	2074.8	2047.8	2022.8	1981.4	1973.7	1958.4	1902.5
10°	2166.2	2179.7	2189.3	2152.7	2168.1	2134.5	2104.6	2075.8	2044.0	2043.0	1972.8
12.5°	2212.4	2220.1	2241.3	2212.4	2234.5	2233.6	2206.6	2173.9	2155.6	2139.3	2059.4
15°	2241.3	2249.9	2277.8	2300.0	2307.7	2320.2	2319.2	2294.2	2262.4	2256.7	2173.9
17.5°	2286.5	2294.2	2315.4	2351.0	2377.9	2405.8	2428.0	2429.9	2410.6	2403.9	2327.9
20°	2354.8	2353.9	2365.4	2385.6	2436.6	2498.2	2547.3	2565.6	2557.9	2556.9	2501.1
22.5°	2427.0	2423.2	2434.7	2444.3	2497.3	2600.2	2681.1	2727.3	2730.1	2724.4	2714.7
25°	2542.5	2523.2	2522.3	2532.9	2603.1	2722.4	2828.3	2907.2	2914.9	2930.3	3016.0
27.5°	2836.0	2833.1	2747.5	2674.3	2721.5	2857.2	3013.1	3117.0	3152.6	3211.3	3373.0
30°	3258.5	3242.1	3206.5	3036.2	2909.1	3033.3	3229.6	3390.3	3427.8	3636.7	3781.0
32.5°	3637.6	3619.3	3604.9	3447.1	3271.9	3244.0	3441.3	3715.6	3823.4	4146.7	4254.5
35°	3968.7	3958.1	3958.1	3852.2	3675.2	3554.9	3695.4	4062.0	4320.9	4773.2	4802.1
37.5°	4268.9	4277.6	4289.1	4172.7	4082.2	4043.7	4033.1	4491.2	4877.1	5352.5	5356.4
40°	4534.5	4553.8	4576.9	4492.2	4430.6	4464.3	4401.7	5009.0	5489.2	6005.0	5883.7
42.5°	4741.4	4767.4	4883.8	4766.4	4811.7	4880.0	4866.5	5419.9	6014.6	6482.3	6364.9
45°	4895.4	4915.6	4985.9	5019.5	5127.3	5264.0	5293.8	5841.4	6465.0	6917.3	6757.5
47.5°	5015.7	5001.3	5043.6	5215.9	5443.0	5596.0	5714.3	6324.5	6905.7	7319.5	7101.1
50°	5071.5	5069.6	5174.5	5386.2	5718.2	5936.6	6163.8	6954.8	7366.7	7703.5	7456.2
52.5°	5112.9	5146.6	5312.1	5559.4	5992.5	6290.8	6529.4	7564.9	7891.1	8126.0	7845.9
55°	5143.7	5209.1	5371.8	5654.7	6181.1	6595.8	6913.4	8119.2	8478.2	8525.3	8197.2
57.5°	4952.2	5021.5	5278.4	5682.6	6328.3	6859.5	7308.9	8755.3	9114.3	9086.4	8573.4
60°	4627.9	4683.7	4997.4	5602.7	6346.6	7153.0	7874.8	9462.6	9827.4	9823.5	9019.0
62.5°	4285.3	4335.3	4645.2	5339.0	6224.4	7312.8	8534.9	10524.1	10676.1	10525.1	9425.1
65°	3849.3	3900.3	4208.3	4896.4	5923.2	7304.1	9092.1	11659.6	11965.7	11528.8	9882.2
67.5°	3271.9	3353.7	3631.9	4268.9	5342.9	7026.0	9575.2	12516.1	12679.7	12285.2	10166.1
70°	2559.8	2639.7	2890.9	3541.4	4602.8	6389.9	9812.9	12823.1	12906.8	12542.1	10315.3
72.5°	1788.0	1854.4	1968.0	2530.9	3577.0	5408.3	9798.5	12674.9	12671.1	12300.6	9975.6
75°	637.1	726.6	1186.6	1529.1	2082.5	3977.3	9157.6	12064.8	12107.1	11771.3	9275.9
77.5°	165.5	173.2	365.7	738.1	1170.2	1923.7	6800.8	10918.6	11033.2	10643.4	8155.8
80°	121.3	127.0	176.1	513.9	669.8	846.9	3730.0	8946.8	9301.9	9098.9	6253.3
82.5°	85.6	92.4	129.0	338.7	442.7	563.0	1401.2	4858.8	5422.8	5390.0	3086.2
85°	53.9	58.7	80.8	121.3	168.4	226.1	394.6	2494.4	2862.0	3016.9	1349.2
87.5°	25.0	28.9	45.2	72.2	103.0	119.3	119.3	535.1	666.9	708.3	287.7
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°	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0
2.5°	1777.4	1789.0	1764.0	1749.5	1719.7	1705.3	1697.6	1683.1	1679.3	1686.0	1692.7
5°	1818.8	1821.7	1770.7	1727.4	1689.9	1647.5	1627.3	1585.0	1566.7	1573.4	1581.1
7.5°	1871.7	1866.9	1789.0	1724.5	1657.1	1598.4	1557.1	1489.7	1470.4	1465.6	1476.2
10°	1921.8	1897.7	1811.1	1723.5	1634.0	1553.2	1489.7	1418.5	1372.3	1366.5	1368.4
12.5°	2012.2	1966.0	1866.0	1742.8	1635.0	1546.5	1454.1	1349.2	1295.3	1278.0	1278.0
15°	2137.3	2060.4	1966.0	1824.6	1696.6	1570.5	1438.7	1302.0	1207.7	1166.3	1165.4
17.5°	2272.1	2206.6	2106.6	1938.1	1769.7	1590.7	1405.0	1227.9	1103.8	1045.1	1039.3
20°	2457.8	2420.3	2305.8	2074.8	1840.0	1593.6	1362.7	1136.5	969.1	889.2	871.9
22.5°	2720.5	2669.5	2478.0	2181.6	1864.0	1569.6	1281.8	989.3	783.3	678.4	667.9
25°	2991.9	2913.9	2645.5	2256.7	1882.3	1521.5	1165.4	785.3	563.0	464.8	452.3
27.5°	3292.1	3169.9	2788.8	2327.9	1860.2	1438.7	959.4	546.6	365.7	303.1	290.6
30°	3640.5	3462.5	2942.8	2377.0	1836.1	1271.2	710.2	354.1	236.7	190.5	187.7
32.5°	4072.6	3826.2	3094.9	2401.0	1749.5	1052.8	459.0	226.1	146.3	123.2	119.3
35°	4588.4	4244.9	3298.9	2396.2	1608.1	762.2	287.7	132.8	97.2	93.3	93.3
37.5°	5077.3	4701.0	3543.3	2376.0	1383.8	486.0	164.6	86.6	84.7	97.2	103.0
40°	5571.9	5146.6	3807.0	2321.2	1099.9	292.5	91.4	77.0	80.8	95.3	101.0
42.5°	6002.1	5497.8	4062.0	2201.8	774.7	156.9	80.8	72.2	76.0	82.8	83.7
45°	6349.5	5824.0	4199.6	2034.4	459.0	99.1	77.0	69.3	66.4	69.3	70.3
47.5°	6722.9	6102.2	4311.3	1787.1	248.3	97.2	76.0	64.5	58.7	56.8	58.7
50°	7001.0	6397.6	4350.7	1421.4	130.9	93.3	72.2	58.7	52.9	56.8	57.7
52.5°	7269.5	6624.7	4332.4	992.2	110.7	85.6	66.4	54.9	50.0	61.6	64.5
55°	7627.5	6904.8	4200.6	483.1	107.8	80.8	59.7	48.1	48.1	48.1	48.1
57.5°	7954.7	7097.2	3936.9	220.4	103.9	74.1	53.9	43.3	36.6	40.4	41.4
60°	8293.4	7394.6	3487.5	140.5	98.2	64.5	46.2	37.5	31.8	31.8	32.7
62.5°	8629.3	7458.1	2862.9	124.1	93.3	58.7	40.4	32.7	26.9	26.9	28.9
65°	8906.4	7352.2	2108.5	110.7	88.5	52.9	36.6	29.8	23.1	22.1	23.1
67.5°	8801.5	6835.5	1369.4	99.1	80.8	48.1	31.8	26.9	21.2	17.3	18.3
70°	8391.6	6056.9	740.0	95.3	73.1	44.3	28.9	24.1	19.2	14.4	14.4
72.5°	7731.4	5104.2	278.1	88.5	67.4	38.5	26.0	24.1	18.3	11.5	10.6
75°	6649.7	3854.2	131.8	79.9	56.8	34.6	26.0	25.0	18.3	7.7	6.7
77.5°	5334.2	2149.9	101.0	67.4	46.2	28.9	26.0	24.1	10.6	3.8	2.9
80°	2866.8	807.4	76.0	49.1	33.7	22.1	24.1	17.3	4.8	1.0	0.0
82.5°	1137.5	199.2	52.9	22.1	14.4	9.6	13.5	6.7	1.0	0.0	0.0
85°	286.8	77.9	32.7	11.5	7.7	4.8	1.9	0.0	0.0	0.0	0.0
87.5°	32.7	22.1	9.6	5.8	2.9	1.0	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)