

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: P287025

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287025
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-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K 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: 18213 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: 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



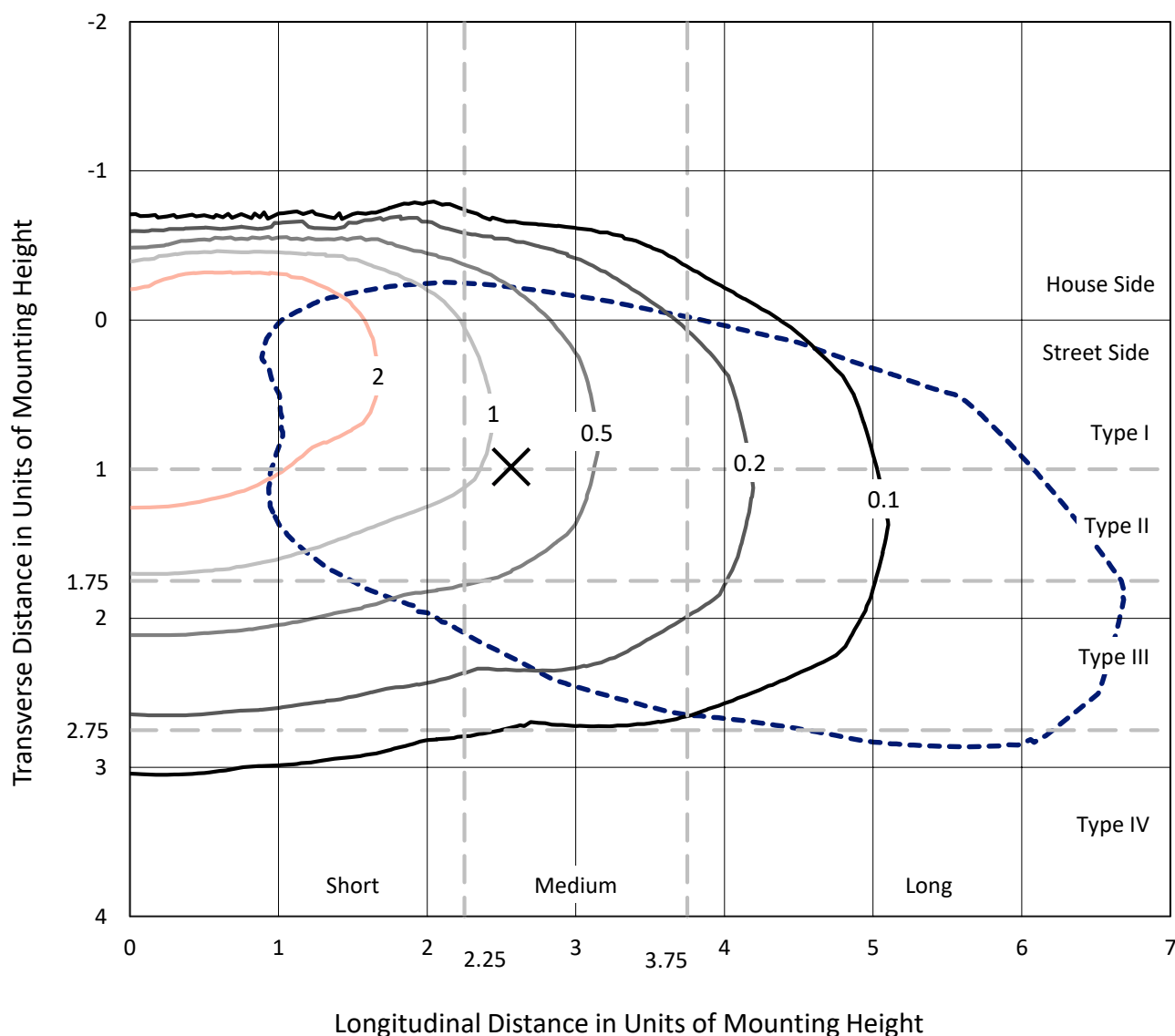
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

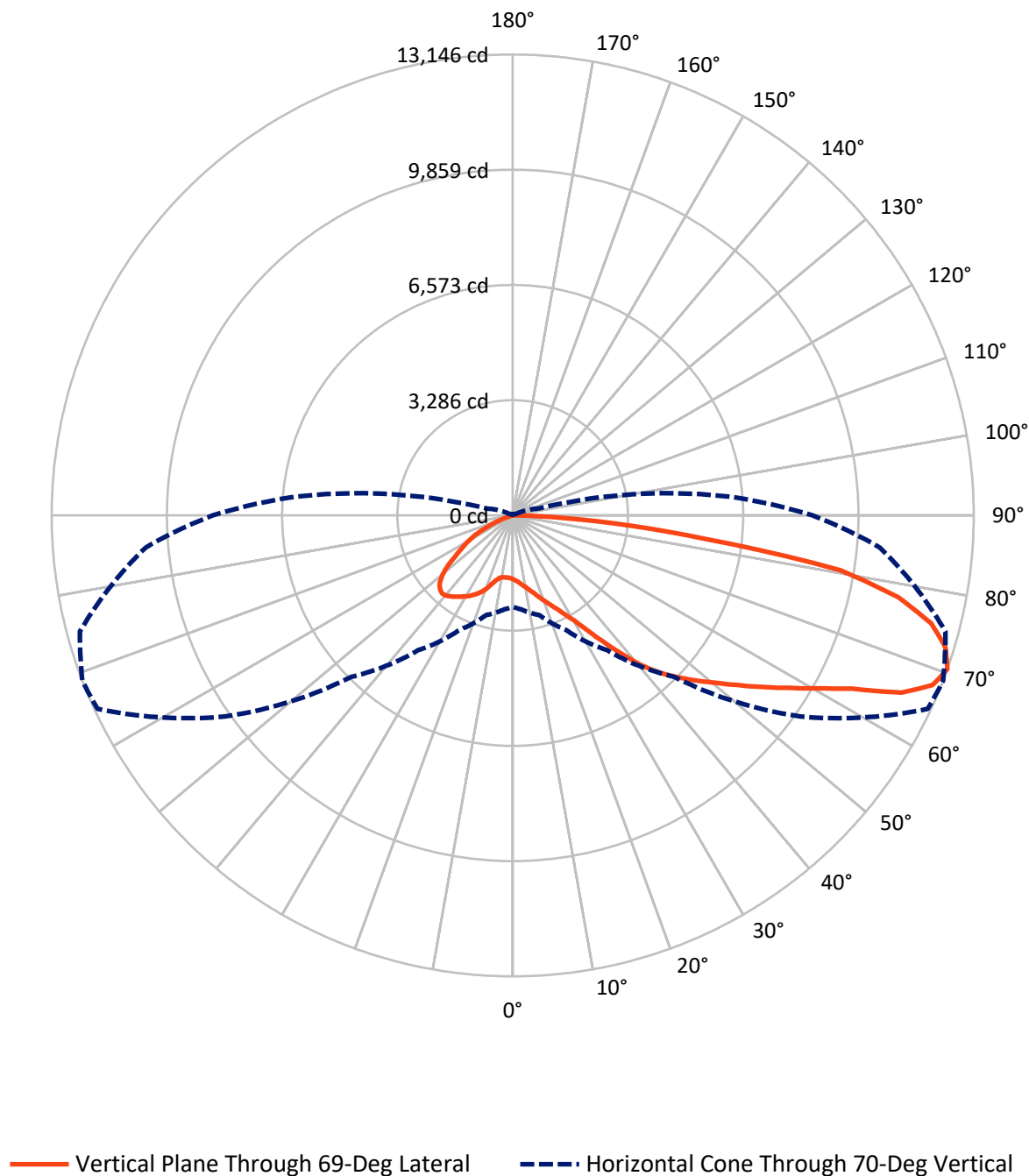


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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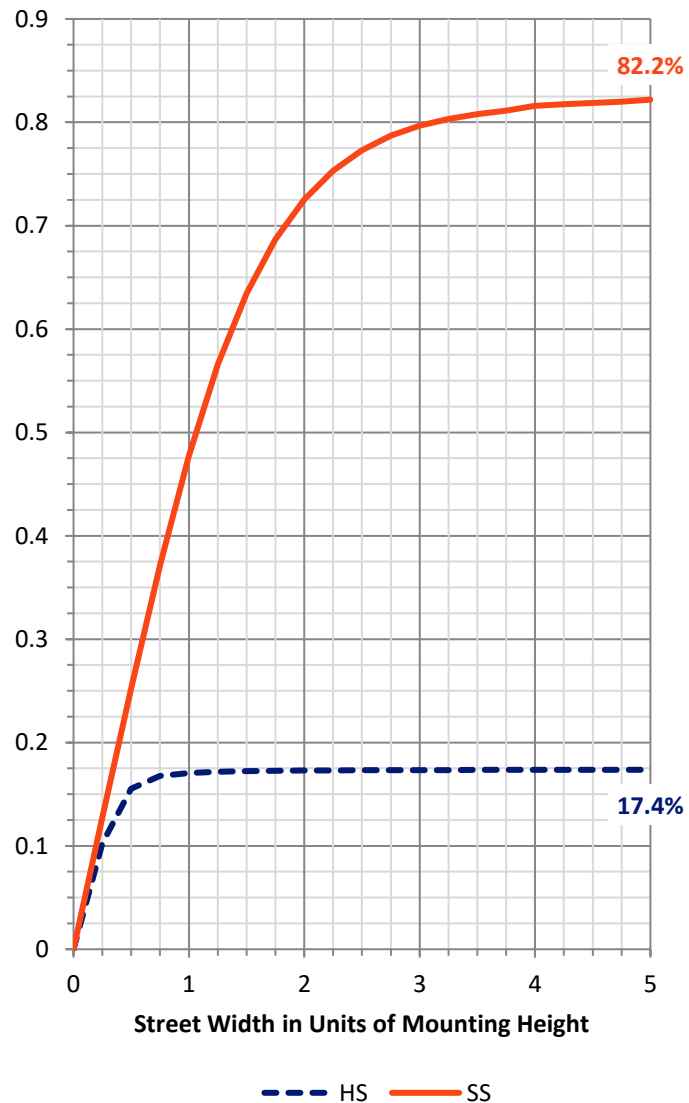
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3199.5	0.0	3199.5
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	15013.5	0.0	15013.5
	% Fixture	82.4	0.0	82.4
Total	Lumens	18213.0	0.0	18213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	1.0
10°-20°	561.7	3.1
20°-30°	1030.2	5.7
30°-40°	1769.5	9.7
40°-50°	2765.3	15.2
50°-60°	3693.1	20.3
60°-70°	4322.0	23.7
70°-80°	3246.7	17.8
80°-90°	647.3	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°	18213.0	100.0
0°-180°	18213.0	100.0

Coefficient of Utilization



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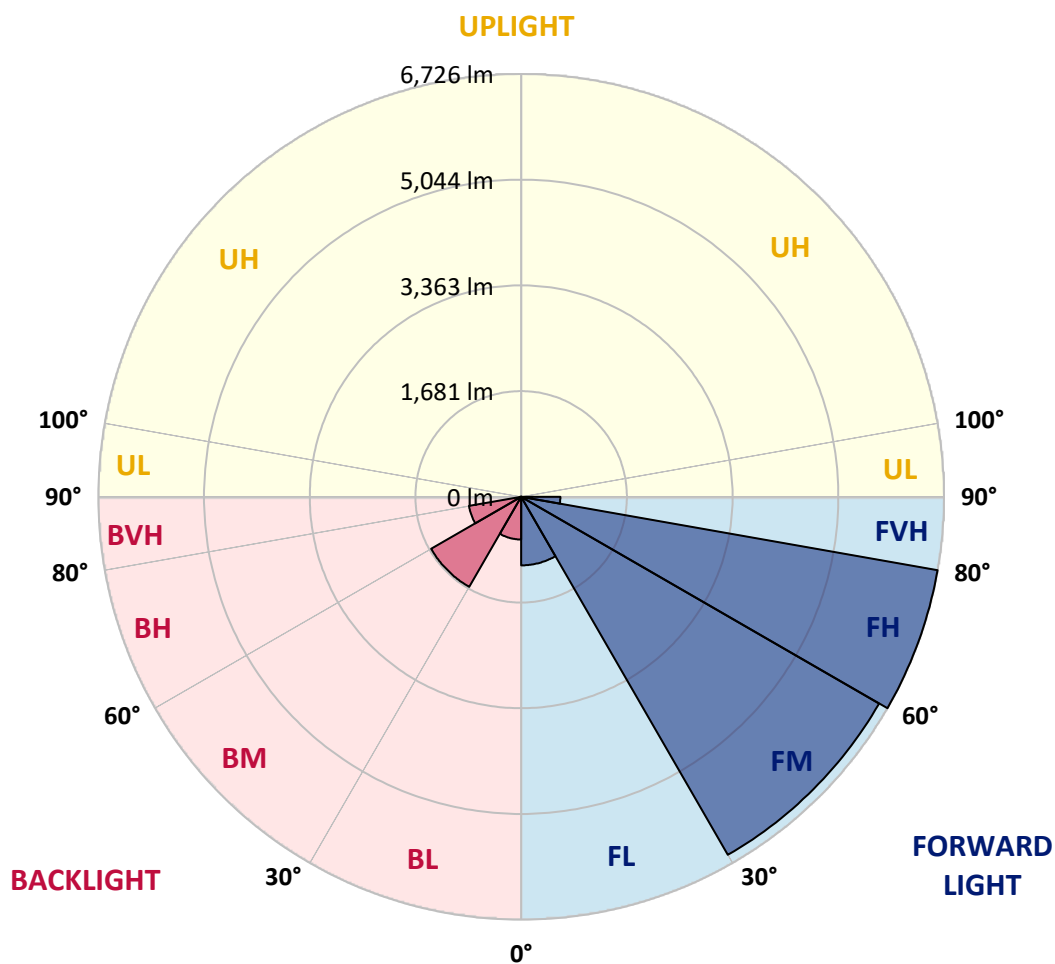
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1090.1	6.0			
FM	(30°-60°)	6574.6	36.1			
FH	(60°-80°)	6725.5	36.9			G3/7500
FVH	(80°-90°)	623.3	3.4			G4/750
BL	(0°-30°)	678.9	3.7	B2/1000		
BM	(30°-60°)	1653.4	9.1	B2/2500		
BH	(60°-80°)	843.2	4.6	B2/1000		G2/1000
BVH	(80°-90°)	24.0	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°	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1
2.5°	1947.6	1961.3	1952.5	1921.1	1915.2	1913.2	1892.7	1875.0	1864.2	1861.3	1828.0
5°	2053.4	2064.2	2061.3	2026.0	2016.2	1993.6	1976.0	1929.9	1923.0	1913.2	1873.1
7.5°	2132.8	2134.8	2152.4	2123.0	2113.2	2085.8	2060.3	2018.1	2010.3	1994.6	1937.8
10°	2206.3	2220.0	2229.8	2192.6	2208.3	2174.0	2143.6	2114.2	2081.8	2080.9	2009.3
12.5°	2253.4	2261.2	2282.8	2253.4	2275.9	2274.9	2247.5	2214.2	2195.5	2178.9	2097.5
15°	2282.8	2291.6	2320.0	2342.6	2350.4	2363.1	2362.2	2336.7	2304.3	2298.4	2214.2
17.5°	2328.8	2336.7	2358.2	2394.5	2421.9	2450.4	2472.9	2474.9	2455.3	2448.4	2371.0
20°	2398.4	2397.4	2409.2	2429.8	2481.7	2544.5	2594.5	2613.1	2605.2	2604.3	2547.4
22.5°	2471.9	2468.0	2479.8	2489.6	2543.5	2648.4	2730.7	2777.7	2780.7	2774.8	2765.0
25°	2589.6	2569.9	2569.0	2579.7	2651.3	2772.8	2880.7	2961.0	2968.9	2984.5	3071.8
27.5°	2888.5	2885.6	2798.3	2723.8	2771.9	2910.1	3068.8	3174.7	3211.0	3270.8	3435.4
30°	3318.8	3302.1	3265.9	3092.4	2963.0	3089.4	3289.4	3453.1	3491.3	3704.0	3851.0
32.5°	3705.0	3686.3	3671.6	3510.9	3332.5	3304.1	3505.0	3784.4	3894.1	4223.5	4333.2
35°	4042.1	4031.3	4031.3	3923.5	3743.2	3620.7	3763.8	4137.2	4400.9	4861.5	4890.9
37.5°	4347.9	4356.8	4368.5	4249.9	4157.8	4118.6	4107.8	4574.3	4967.4	5451.6	5455.5
40°	4618.5	4638.1	4661.6	4575.3	4512.6	4546.9	4483.2	5101.7	5590.8	6116.1	5992.6
42.5°	4829.2	4855.7	4974.2	4854.7	4900.7	4970.3	4956.6	5520.2	6125.9	6602.3	6482.7
45°	4986.0	5006.6	5078.1	5112.5	5222.2	5361.4	5391.8	5949.5	6584.6	7045.3	6882.6
47.5°	5108.5	5093.8	5137.0	5312.4	5543.7	5699.6	5820.1	6441.5	7033.5	7455.0	7232.5
50°	5165.4	5163.4	5270.3	5485.9	5824.0	6046.5	6277.8	7083.5	7503.0	7846.1	7594.2
52.5°	5207.5	5241.8	5410.4	5662.3	6103.4	6407.2	6650.3	7704.9	8037.2	8276.4	7991.1
55°	5238.9	5305.5	5471.2	5759.3	6295.5	6717.9	7041.4	8269.5	8635.1	8683.1	8348.9
57.5°	5043.8	5114.4	5376.1	5787.8	6445.5	6986.5	7444.2	8917.4	9283.0	9254.6	8732.1
60°	4713.5	4770.4	5089.9	5706.4	6464.1	7285.4	8020.5	9637.8	10009.3	10005.3	9185.9
62.5°	4364.6	4415.6	4731.2	5437.9	6339.6	7448.1	8692.9	10718.9	10873.8	10719.9	9599.6
65°	3920.6	3972.5	4286.2	4987.0	6032.8	7439.3	9260.4	11875.5	12187.2	11742.2	10065.1
67.5°	3332.5	3415.8	3699.1	4347.9	5441.8	7156.1	9752.5	12747.8	12914.4	12512.6	10354.3
70°	2607.2	2688.5	2944.4	3606.9	4688.0	6508.2	9994.6	13060.5	13145.7	12774.3	10506.2
72.5°	1821.1	1888.7	2004.4	2577.8	3643.2	5508.4	9979.9	12909.5	12905.6	12528.2	10160.2
75°	648.9	740.0	1208.5	1557.5	2121.0	4051.0	9327.1	12288.1	12331.2	11989.2	9447.6
77.5°	168.6	176.4	372.5	751.8	1191.9	1959.3	6926.7	11120.8	11237.4	10840.4	8306.8
80°	123.5	129.4	179.4	523.4	682.2	862.5	3799.1	9112.4	9474.1	9267.3	6369.0
82.5°	87.2	94.1	131.3	345.0	450.9	573.4	1427.1	4948.8	5523.1	5489.8	3143.3
85°	54.9	59.8	82.3	123.5	171.5	230.3	401.9	2540.5	2915.0	3072.8	1374.2
87.5°	25.5	29.4	46.1	73.5	104.9	121.5	121.5	545.0	679.2	721.4	293.1
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°	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1	1821.1
2.5°	1810.3	1822.1	1796.6	1781.9	1751.5	1736.8	1729.0	1714.3	1710.4	1717.2	1724.1
5°	1852.5	1855.4	1803.5	1759.4	1721.1	1678.0	1657.4	1614.3	1595.7	1602.5	1610.4
7.5°	1906.4	1901.5	1822.1	1756.4	1687.8	1628.0	1585.9	1517.3	1497.7	1492.8	1503.5
10°	1957.4	1932.9	1844.6	1755.4	1664.3	1582.0	1517.3	1444.7	1397.7	1391.8	1393.8
12.5°	2049.5	2002.4	1900.5	1775.0	1665.3	1575.1	1481.0	1374.2	1319.3	1301.6	1301.6
15°	2176.9	2098.5	2002.4	1858.4	1728.0	1599.6	1465.3	1326.1	1230.1	1187.9	1187.0
17.5°	2314.1	2247.5	2145.5	1974.0	1802.5	1620.2	1431.0	1250.7	1124.2	1064.4	1058.6
20°	2503.3	2465.1	2348.4	2113.2	1874.0	1623.1	1387.9	1157.6	987.0	905.7	888.0
22.5°	2770.9	2718.9	2523.9	2222.0	1898.5	1598.6	1305.6	1007.6	797.8	691.0	680.2
25°	3047.3	2967.9	2694.4	2298.4	1917.2	1549.6	1187.0	799.8	573.4	473.4	460.7
27.5°	3353.1	3228.6	2840.5	2371.0	1894.6	1465.3	977.2	556.7	372.5	308.7	296.0
30°	3707.9	3526.6	2997.3	2421.0	1870.1	1294.8	723.3	360.7	241.1	194.1	191.1
32.5°	4148.0	3897.1	3152.2	2445.5	1781.9	1072.3	467.5	230.3	149.0	125.5	121.5
35°	4673.3	4323.4	3359.9	2440.6	1637.8	776.3	293.1	135.3	99.0	95.1	95.1
37.5°	5171.3	4788.0	3608.9	2420.0	1409.5	495.0	167.6	88.2	86.3	99.0	104.9
40°	5675.1	5241.8	3877.5	2364.1	1120.3	298.0	93.1	78.4	82.3	97.0	102.9
42.5°	6113.2	5599.6	4137.2	2242.6	789.0	159.8	82.3	73.5	77.4	84.3	85.3
45°	6467.0	5931.9	4277.4	2072.0	467.5	101.0	78.4	70.6	67.6	70.6	71.6
47.5°	6847.3	6215.1	4391.1	1820.1	252.9	99.0	77.4	65.7	59.8	57.8	59.8
50°	7130.6	6516.0	4431.2	1447.7	133.3	95.1	73.5	59.8	53.9	57.8	58.8
52.5°	7404.0	6747.3	4412.6	1010.5	112.7	87.2	67.6	55.9	51.0	62.7	65.7
55°	7768.7	7032.6	4278.3	492.0	109.8	82.3	60.8	49.0	49.0	49.0	49.0
57.5°	8101.9	7228.6	4009.8	224.5	105.9	75.5	54.9	44.1	37.2	41.2	42.1
60°	8446.9	7531.5	3552.1	143.1	100.0	65.7	47.0	38.2	32.3	32.3	33.3
62.5°	8789.0	7596.1	2915.9	126.4	95.1	59.8	41.2	33.3	27.4	27.4	29.4
65°	9071.3	7488.3	2147.5	112.7	90.2	53.9	37.2	30.4	23.5	22.5	23.5
67.5°	8964.4	6962.0	1394.8	101.0	82.3	49.0	32.3	27.4	21.6	17.6	18.6
70°	8546.9	6169.1	753.7	97.0	74.5	45.1	29.4	24.5	19.6	14.7	14.7
72.5°	7874.5	5198.7	283.3	90.2	68.6	39.2	26.5	24.5	18.6	11.8	10.8
75°	6772.8	3925.5	134.3	81.4	57.8	35.3	26.5	25.5	18.6	7.8	6.9
77.5°	5433.0	2189.7	102.9	68.6	47.0	29.4	26.5	24.5	10.8	3.9	2.9
80°	2919.9	822.3	77.4	50.0	34.3	22.5	24.5	17.6	4.9	1.0	0.0
82.5°	1158.5	202.9	53.9	22.5	14.7	9.8	13.7	6.9	1.0	0.0	0.0
85°	292.1	79.4	33.3	11.8	7.8	4.9	2.0	0.0	0.0	0.0	0.0
87.5°	33.3	22.5	9.8	5.9	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)