

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: P286941

Luminaire Tested: **USSL-C02-D-U-T2-BZ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-4)
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-T2-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE II OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19718 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

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

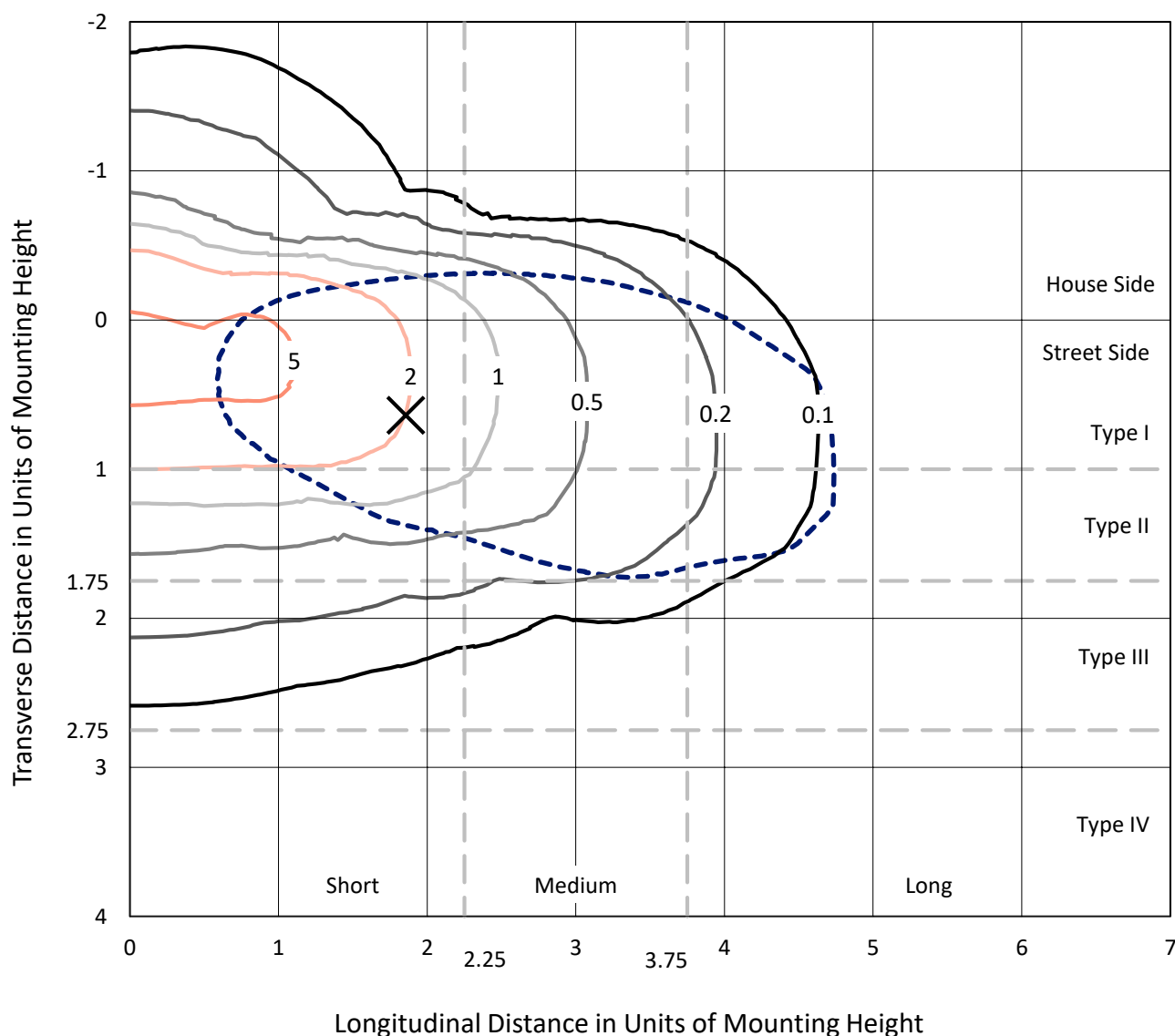


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

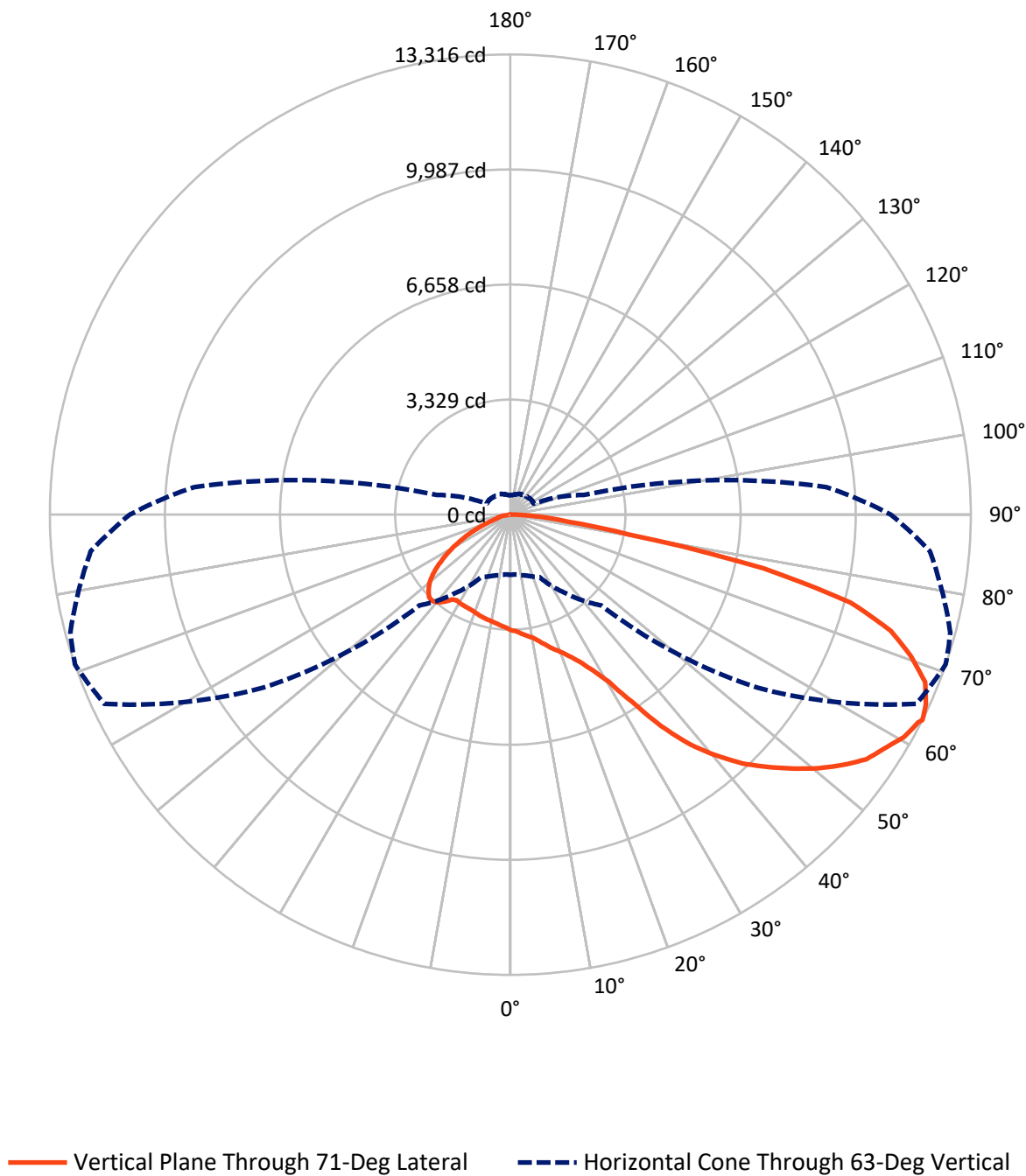


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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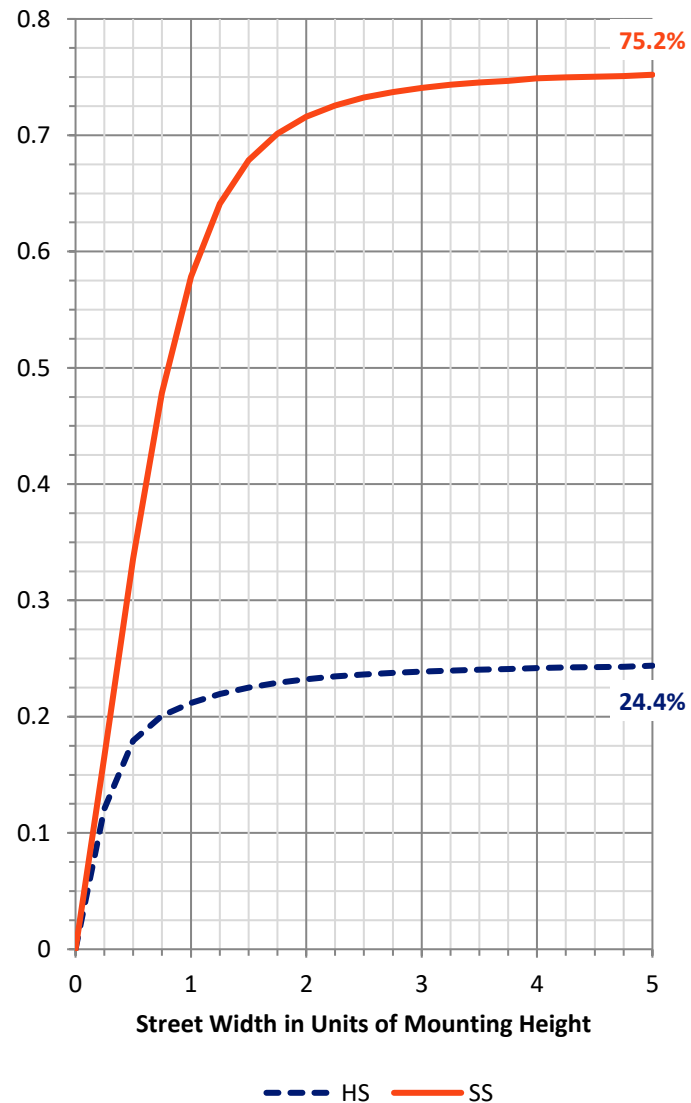
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4890.3	0.0	4890.3
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	14827.7	0.0	14827.7
	% Fixture	75.2	0.0	75.2
Total	Lumens	19718.0	0.0	19718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.8	1.6
10°-20°	981.3	5.0
20°-30°	1656.9	8.4
30°-40°	2490.0	12.6
40°-50°	3422.7	17.4
50°-60°	3979.8	20.2
60°-70°	3956.7	20.1
70°-80°	2497.4	12.7
80°-90°	411.4	2.1
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°	19718.0	100.0
0°-180°	19718.0	100.0

Coefficient of Utilization



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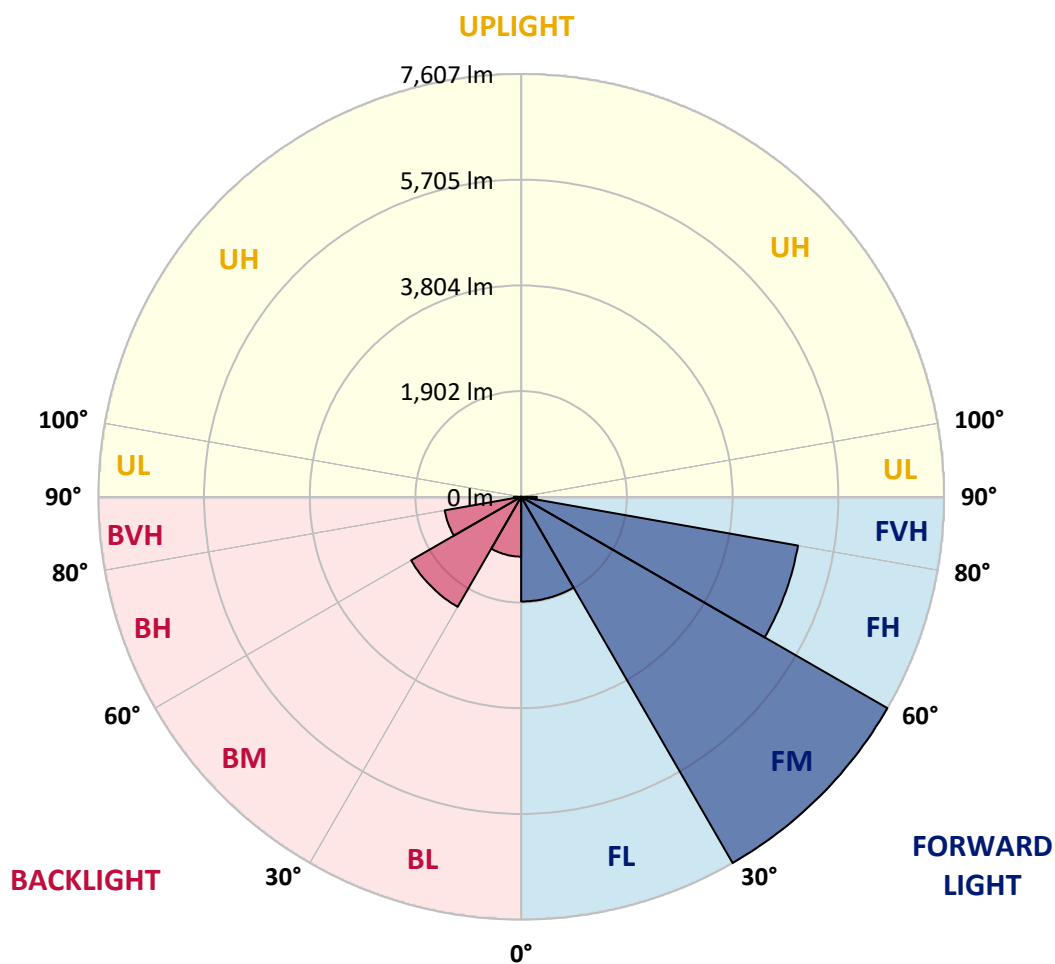
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1883.6	9.6			
FM	(30°-60°)	7607.2	38.6			
FH	(60°-80°)	5057.0	25.6			G3/7500
FVH	(80°-90°)	279.9	1.4			G3/500
BL	(0°-30°)	1076.3	5.5	B3/2500		
BM	(30°-60°)	2285.3	11.6	B2/2500		
BH	(60°-80°)	1397.1	7.1	B3/2500		G3/2500
BVH	(80°-90°)	131.5	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0
2.5°	3583.7	3578.0	3570.3	3521.2	3512.5	3482.7	3450.9	3416.3	3377.8	3382.6	3335.4
5°	3784.9	3772.3	3767.5	3694.4	3640.5	3607.8	3564.5	3485.6	3463.4	3446.1	3354.7
7.5°	3946.5	3952.3	3941.7	3872.4	3818.5	3764.6	3687.7	3571.2	3542.3	3505.8	3415.3
10°	4077.4	4091.8	4084.1	4005.2	3959.0	3906.1	3812.8	3693.4	3627.0	3574.1	3429.8
12.5°	4235.2	4226.6	4228.5	4153.4	4113.0	4040.8	3972.5	3836.8	3760.8	3687.7	3496.2
15°	4432.5	4421.0	4406.5	4334.3	4273.7	4231.4	4158.2	4007.2	3924.4	3855.1	3602.0
17.5°	4607.6	4567.2	4560.5	4480.6	4432.5	4375.7	4325.7	4196.7	4093.8	4004.3	3718.5
20°	4725.1	4704.8	4677.9	4631.7	4611.5	4569.2	4506.6	4365.1	4249.7	4158.2	3817.6
22.5°	4804.0	4792.4	4792.4	4778.0	4787.6	4770.3	4720.2	4586.5	4468.1	4338.2	3969.6
25°	4827.1	4791.5	4842.5	4898.3	4965.6	4995.5	4949.3	4856.9	4738.5	4611.5	4165.9
27.5°	4843.4	4837.6	4901.2	4996.4	5166.8	5235.1	5235.1	5183.1	5107.1	4957.0	4450.8
30°	4845.3	4847.3	4932.9	5080.2	5310.2	5499.7	5509.4	5647.9	5608.5	5493.0	4886.7
32.5°	4707.7	4702.9	4831.9	5088.8	5420.8	5723.0	5879.9	6260.0	6441.9	6449.6	5835.6
35°	4429.6	4465.2	4668.3	5004.1	5498.8	5977.0	6339.8	7114.5	7508.1	7498.5	6762.3
37.5°	4210.2	4239.1	4472.9	4913.7	5549.8	6209.0	6856.6	8063.4	8427.1	8395.4	7500.4
40°	4011.0	4044.7	4277.6	4755.8	5532.4	6472.6	7431.1	8884.3	9160.4	9116.2	8195.2
42.5°	3772.3	3797.4	4028.3	4535.5	5483.4	6653.6	7947.9	9633.9	9840.8	9721.5	8738.9
45°	3535.6	3553.9	3806.0	4246.8	5328.4	6772.9	8463.7	10315.2	10411.5	10316.2	9339.4
47.5°	3235.4	3253.6	3545.2	3994.6	5061.9	6769.0	8945.8	10889.8	10980.2	10853.2	9791.7
50°	2487.6	2505.9	3103.5	3736.7	4690.4	6677.6	9331.7	11421.9	11534.5	11348.8	10301.8
52.5°	2260.5	2269.2	2431.8	3416.3	4216.0	6422.6	9612.7	11898.3	12035.9	11833.8	10744.4
55°	2156.6	2148.9	2215.3	2751.3	3850.3	6016.5	9826.4	12349.6	12490.1	12287.1	11139.0
57.5°	1993.0	2005.5	2118.1	2355.8	3519.2	5275.5	9750.4	12773.0	12759.6	12603.7	11526.8
60°	1875.6	1881.4	1993.0	2162.4	3122.8	4432.5	9428.9	13007.8	13072.3	12864.5	11861.7
62.5°	1753.4	1761.1	1856.3	2010.3	2813.9	3813.7	8913.1	12994.4	13238.8	13110.8	12164.8
63°	1738.0	1736.0	1822.7	1990.1	2766.7	3708.8	8723.5	12952.0	13315.8	13171.4	12179.3
65°	1616.7	1624.4	1716.8	1870.8	2564.6	3421.1	8187.5	12666.2	13208.0	13220.5	12312.1
67.5°	1440.6	1452.2	1531.1	1673.5	2178.7	3000.6	6780.6	12501.7	12934.7	13010.7	12144.6
70°	1232.7	1245.3	1328.0	1459.9	1846.7	2561.7	5039.7	11787.6	12292.8	12428.5	11388.2
72.5°	976.8	993.1	1098.0	1230.8	1514.7	2104.6	3547.2	10621.3	11503.7	11531.6	10332.6
75°	637.1	649.6	801.6	987.4	1225.0	1666.8	2343.3	8131.7	10160.3	10331.6	8856.3
77.5°	376.3	393.6	468.7	543.7	775.6	1255.8	1522.4	4330.5	7484.1	8029.7	6988.5
80°	102.0	112.6	355.1	414.8	495.6	541.8	937.3	2390.4	3464.4	4398.8	4706.8
82.5°	52.9	65.4	198.2	266.6	283.9	275.2	433.0	1111.5	1693.7	1984.3	2363.5
85°	24.1	28.9	65.4	97.2	78.9	75.1	144.3	580.3	946.9	1099.0	1188.5
87.5°	8.7	10.6	23.1	35.6	21.2	16.4	20.2	175.1	365.7	461.9	419.6
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°	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0	3347.0
2.5°	3301.8	3330.6	3292.1	3247.9	3217.1	3199.8	3185.3	3152.6	3162.2	3174.7	3172.8
5°	3333.5	3337.4	3247.9	3191.1	3123.7	3085.2	3070.8	3015.0	3020.8	3026.5	3025.6
7.5°	3353.7	3318.1	3209.4	3126.6	3055.4	2996.7	2941.9	2886.0	2875.4	2886.0	2894.7
10°	3359.5	3305.6	3182.4	3067.0	2970.7	2887.0	2838.9	2751.3	2735.9	2757.1	2770.6
12.5°	3412.4	3322.9	3163.2	3027.5	2914.9	2804.2	2720.5	2623.3	2577.1	2594.4	2610.8
15°	3477.9	3353.7	3146.8	2977.5	2827.3	2703.2	2593.5	2488.6	2430.9	2453.9	2465.5
17.5°	3556.8	3410.5	3145.9	2895.7	2734.0	2583.9	2473.2	2359.6	2252.8	2290.4	2277.8
20°	3644.4	3459.6	3140.1	2819.6	2619.5	2438.6	2291.3	2216.3	2105.6	2106.5	2090.2
22.5°	3748.3	3526.9	3133.4	2747.5	2479.9	2297.1	2113.3	2026.7	1936.2	1902.5	1891.9
25°	3911.9	3634.7	3144.9	2698.4	2359.6	2112.3	1896.8	1785.1	1746.6	1704.3	1686.0
27.5°	4134.2	3784.9	3169.9	2635.8	2208.6	1917.0	1652.3	1544.5	1517.6	1485.8	1464.7
30°	4460.4	3999.5	3199.8	2564.6	2033.4	1652.3	1408.9	1330.9	1287.6	1271.2	1258.7
32.5°	5289.0	4602.8	3222.9	2471.3	1851.5	1397.3	1221.2	1143.3	1082.6	1053.8	1056.6
35°	6138.7	5334.2	3386.4	2359.6	1628.3	1184.6	1056.6	960.4	886.3	867.1	853.6
37.5°	6804.7	5935.7	3760.8	2247.0	1414.6	1061.5	895.0	811.2	748.7	743.9	773.7
40°	7433.1	6488.0	4069.7	2117.1	1193.3	921.0	731.4	697.7	669.8	676.5	716.9
42.5°	7954.6	6983.6	4323.8	1930.4	1014.3	762.2	624.6	660.2	668.8	677.5	680.4
45°	8465.6	7374.4	4461.4	1686.0	856.5	634.2	613.0	679.4	693.8	706.4	691.0
47.5°	8993.0	7815.1	4459.4	1385.8	738.1	619.7	637.1	679.4	704.4	719.8	715.0
50°	9414.5	8142.3	4402.7	1090.3	708.3	653.4	649.6	651.5	691.9	702.5	703.5
52.5°	9813.9	8451.2	4168.8	895.9	749.7	691.9	664.0	640.9	658.2	683.3	655.3
55°	10203.6	8719.7	3754.1	843.0	769.9	724.6	693.8	653.4	636.1	630.3	640.0
57.5°	10524.1	8943.0	3267.1	818.9	775.6	727.5	744.8	652.5	633.2	588.9	584.1
60°	10836.8	9154.7	2787.9	785.3	770.8	721.7	694.8	668.8	622.6	556.2	532.2
62.5°	11031.2	9220.1	2286.5	756.4	749.7	715.0	677.5	665.0	612.0	561.0	554.3
63°	11003.3	9173.9	2198.9	751.6	744.8	710.2	678.4	660.2	607.2	566.8	563.9
65°	11070.7	8909.3	1812.1	721.7	724.6	696.7	664.0	631.3	563.9	535.1	530.2
67.5°	10751.2	8426.2	1307.8	666.9	693.8	675.6	635.1	575.5	512.9	475.4	473.5
70°	9913.0	7511.0	898.8	568.7	644.8	645.7	620.7	543.7	475.4	433.0	438.8
72.5°	8728.4	6563.1	579.3	442.7	554.3	593.8	579.3	513.9	424.4	347.4	341.6
75°	7457.1	5352.5	427.3	357.0	409.0	528.3	506.2	418.6	356.1	307.0	303.1
77.5°	5596.9	3870.5	378.2	305.1	304.1	358.0	416.7	411.9	422.5	508.1	496.6
80°	3874.4	2731.1	301.2	247.3	185.7	226.1	351.3	435.9	543.7	315.6	296.4
82.5°	2242.2	1483.0	98.2	77.9	113.6	146.3	257.9	541.8	359.9	188.6	169.4
85°	1055.7	563.0	42.3	24.1	33.7	49.1	145.3	458.1	230.0	94.3	17.3
87.5°	327.2	154.9	9.6	7.7	8.7	10.6	61.6	240.6	157.8	10.6	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)