

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: P457893

Luminaire Tested: **GLAN-SA9B-730-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47247 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 364
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: 24 FT

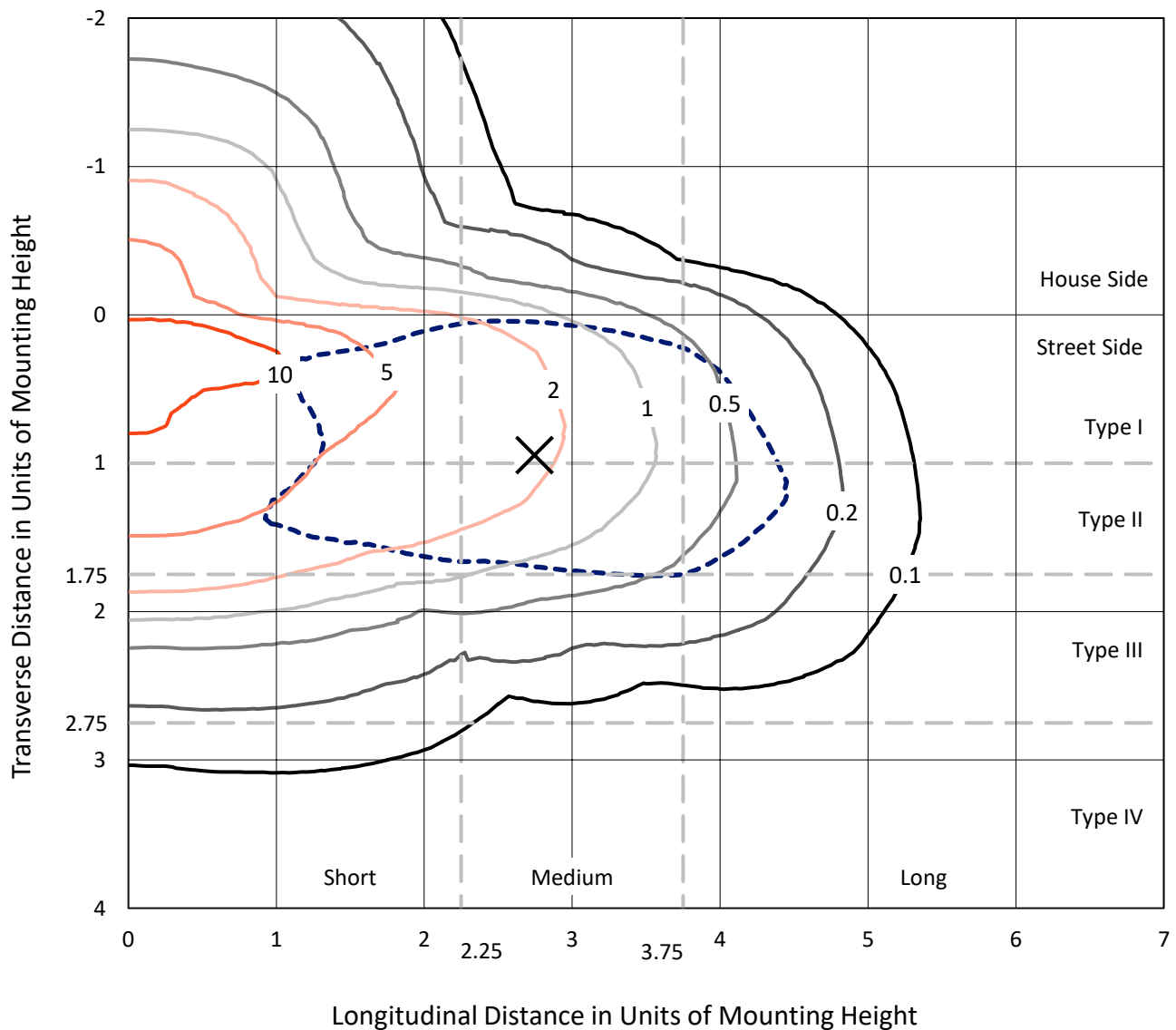


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

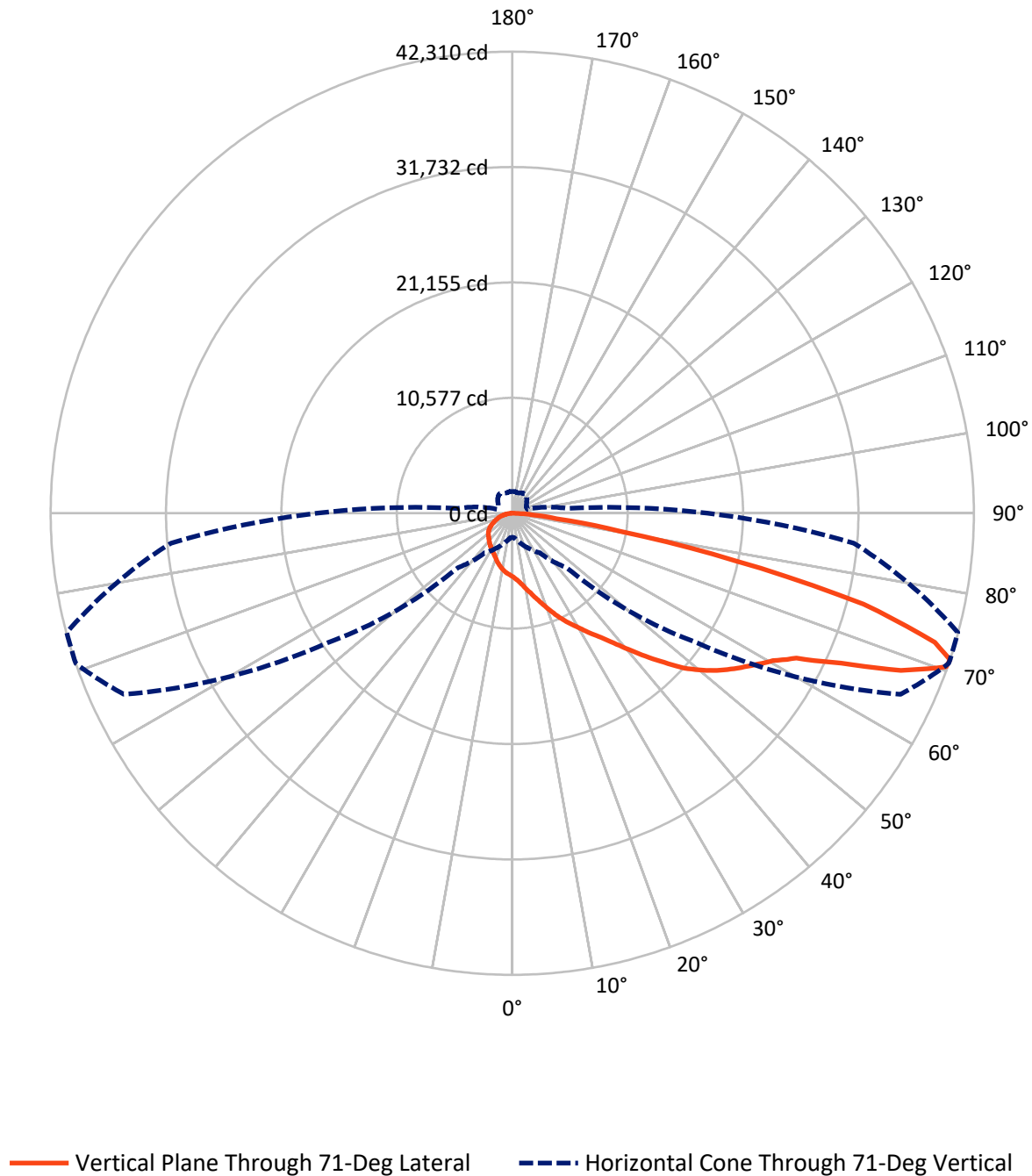


Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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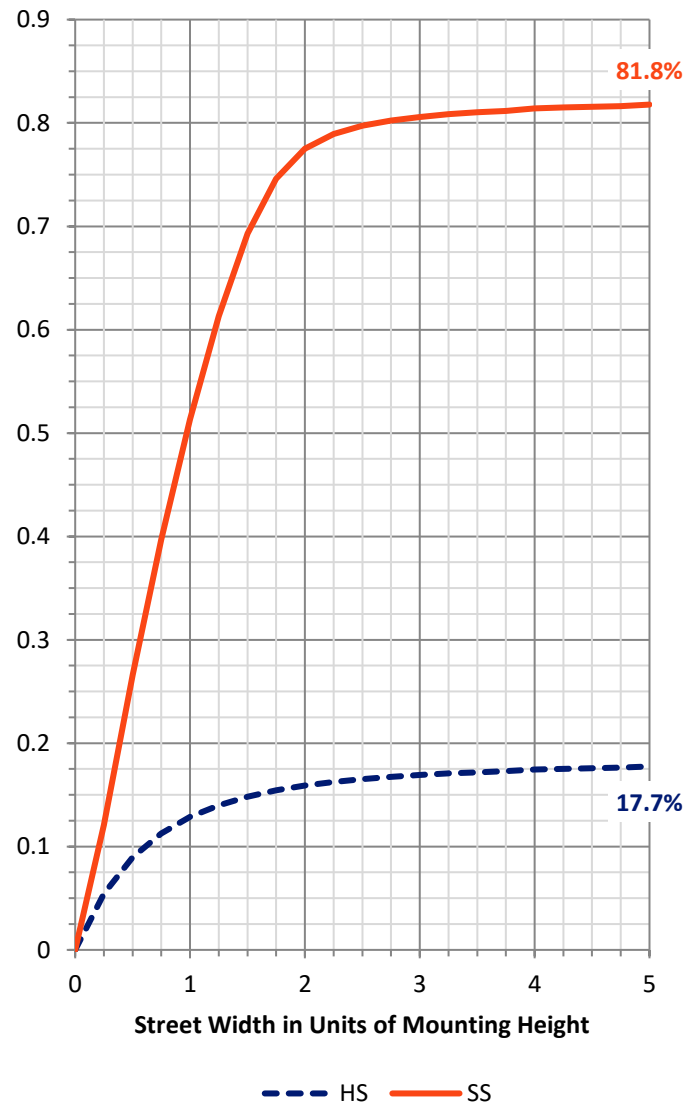
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8497.3	0.0	8497.3
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	38749.8	0.0	38749.8
	% Fixture	82.0	0.0	82.0
Total	Lumens	47247.0	0.0	47247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.2	1.2
10°-20°	1891.6	4.0
20°-30°	3305.7	7.0
30°-40°	4916.8	10.4
40°-50°	7244.3	15.3
50°-60°	10142.2	21.5
60°-70°	11343.7	24.0
70°-80°	6929.2	14.7
80°-90°	891.4	1.9
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°	47247.0	100.0
0°-180°	47247.0	100.0

Coefficient of Utilization



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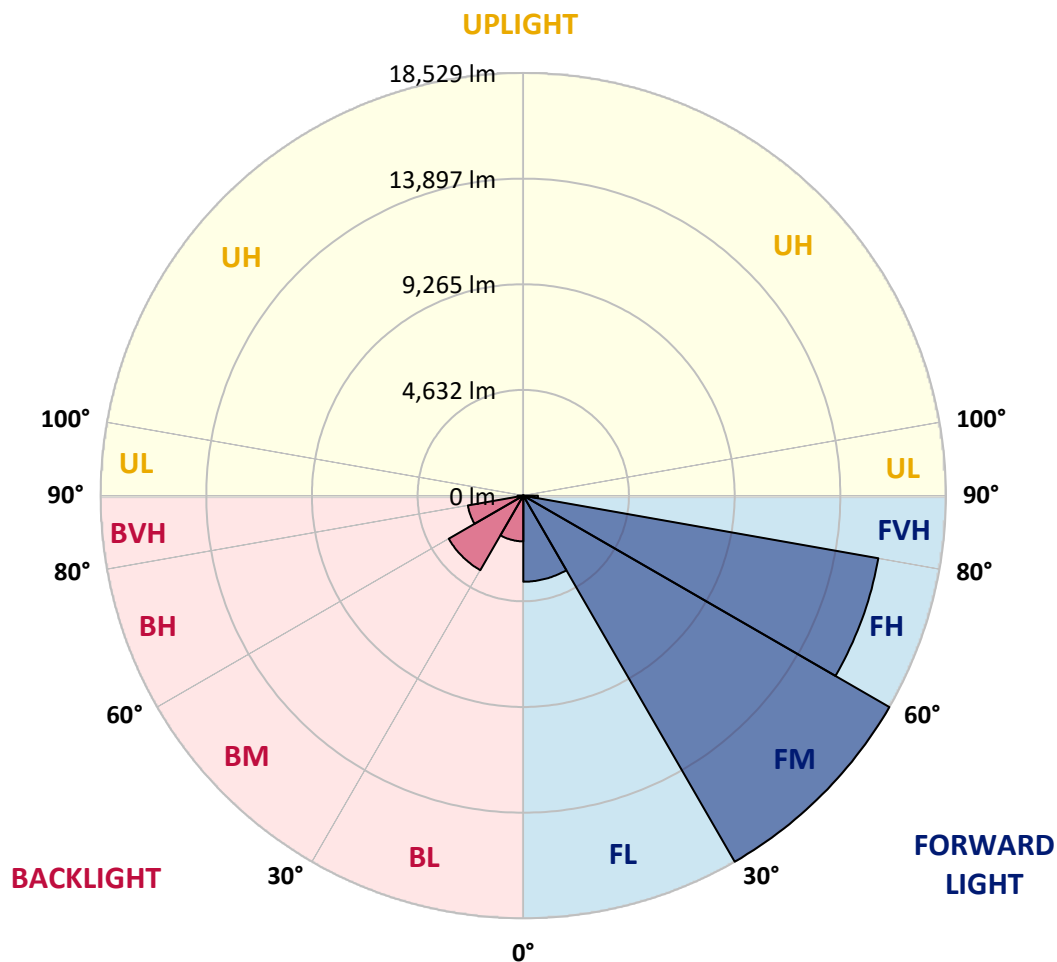
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3775.1	8.0			
FM	(30°-60°)	18529.3	39.2			
FH	(60°-80°)	15804.0	33.4			G5
FVH	(80°-90°)	641.4	1.4			G4/750
BL	(0°-30°)	2004.5	4.2	B3/2500		
BM	(30°-60°)	3774.0	8.0	B3/5000		
BH	(60°-80°)	2468.8	5.2	B3/2500		G3/2500
BVH	(80°-90°)	250.0	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6
2.5°	6437.4	6406.3	6408.9	6364.7	6307.6	6245.3	6157.0	6079.1	6016.8	5980.4	5873.9
5°	7133.4	7102.2	7063.3	6967.2	6925.6	6772.4	6577.7	6401.1	6266.1	6190.8	5977.8
7.5°	7696.9	7689.1	7678.7	7624.2	7517.7	7304.8	7138.6	6832.2	6632.2	6489.4	6125.8
10°	8044.9	8057.8	8065.6	8076.0	8031.9	7920.2	7691.7	7304.8	7050.3	6868.5	6318.0
12.5°	8221.4	8234.4	8278.6	8374.7	8434.4	8421.4	8234.4	7855.3	7504.7	7265.8	6523.1
15°	8330.5	8351.3	8429.2	8556.4	8756.4	8883.6	8792.7	8442.2	8057.8	7774.8	6767.2
17.5°	8450.0	8473.3	8559.0	8740.8	9003.1	9278.3	9377.0	9075.8	8657.7	8320.1	7039.9
20°	8517.5	8548.6	8670.7	8909.6	9216.0	9615.9	9943.1	9784.7	9327.7	8953.7	7354.1
22.5°	8626.5	8652.5	8756.4	9010.9	9377.0	9878.2	10509.2	10475.5	10073.0	9590.0	7699.5
25°	8922.6	8964.1	9016.1	9169.3	9522.4	10145.7	10979.2	11212.9	10794.9	10254.7	8016.3
27.5°	9480.9	9514.6	9512.1	9532.8	9732.8	10376.8	11386.9	11942.6	11511.6	10927.3	8322.7
30°	10117.1	10130.1	10140.5	10093.7	10137.9	10613.1	11760.9	12664.6	12233.5	11618.0	8590.2
32.5°	10890.9	10916.9	10828.6	10709.2	10672.8	10963.7	12069.9	13386.5	13087.8	12319.2	8855.1
35°	11805.0	11872.5	11693.4	11483.0	11335.0	11467.4	12485.4	14124.0	13963.0	13215.1	9205.6
37.5°	12848.9	12932.0	12765.8	12352.9	12142.6	12179.0	13028.1	15035.4	15069.2	14235.6	9727.6
40°	13703.3	13812.3	13817.5	13233.3	12913.8	12955.4	13716.3	16017.0	16403.9	15497.7	10343.0
42.5°	14266.8	14373.2	14484.9	14142.1	13807.1	14043.5	14518.7	17081.7	17904.9	17029.8	11202.6
45°	14884.8	14980.9	15043.2	14887.4	14700.4	15313.3	15487.3	18213.9	19504.5	18741.1	12142.6
47.5°	15601.5	15708.0	15767.7	15619.7	15549.6	16427.3	16531.2	19270.8	21213.2	20403.0	13181.3
50°	16557.1	16637.6	16606.5	16513.0	16497.4	17281.7	17533.5	20260.2	22623.3	22192.2	14259.0
52.5°	17746.5	17842.6	17876.3	17743.9	17684.2	17891.9	18341.1	21161.3	23906.1	23729.5	15409.4
55°	18465.8	18619.0	19133.2	19340.9	19483.7	18681.3	19211.1	22155.8	25056.4	25349.9	16645.4
57.5°	17543.9	17741.3	18891.7	19930.4	21272.9	20654.9	20444.5	23194.5	26206.8	26920.9	18125.6
60°	15295.1	15339.3	16822.0	18735.9	21436.5	23192.0	23018.0	24846.1	27453.3	28505.0	20075.8
62.5°	10610.5	10704.0	12456.8	15510.6	19416.2	24106.0	27396.2	27697.4	29239.9	30875.9	22934.9
65°	5471.4	5349.4	6946.4	9748.4	14638.1	21935.1	30943.4	32940.3	33114.3	34584.1	26959.9
67.5°	3368.0	3422.6	4170.4	5692.2	8655.1	15941.7	30572.0	39346.6	38429.9	39136.3	30696.7
70°	2529.3	2596.8	3111.0	3895.2	5276.7	9114.7	24586.4	40899.5	42179.7	41997.9	31834.1
71°	2199.5	2269.6	2804.5	3544.6	4432.7	7034.7	20714.6	39273.9	42309.5	42278.4	31405.6
72.5°	1874.9	1919.0	2337.1	3001.9	3736.8	4931.3	15562.6	35222.9	40504.8	41540.9	29876.1
75°	1472.4	1506.1	1693.1	2290.4	2942.2	3027.9	8351.3	26406.8	33267.5	35241.1	24872.1
77.5°	1199.7	1223.1	1319.2	1700.9	2269.6	2145.0	4380.8	17188.2	20841.9	22828.4	14651.1
80°	953.0	979.0	1036.1	1153.0	1700.9	1529.5	2090.4	8709.6	10067.8	10047.0	5848.0
82.5°	740.1	747.9	815.4	846.6	1163.4	1085.5	1132.2	3687.4	4084.8	4219.8	2111.2
85°	467.4	490.8	721.9	649.2	695.9	636.2	558.3	1464.6	1804.8	1778.8	844.0
87.5°	142.8	150.6	244.1	275.3	309.0	277.9	205.1	431.1	527.1	571.3	210.3
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°	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6	5798.6
2.5°	5832.4	5803.8	5702.6	5619.5	5541.6	5455.9	5383.2	5362.4	5344.2	5336.4	5333.8
5°	5886.9	5801.2	5601.3	5437.7	5307.8	5188.4	5113.1	5079.3	5045.6	5045.6	5056.0
7.5°	5964.8	5809.0	5500.0	5255.9	5092.3	4980.6	4926.1	4920.9	4928.7	4936.5	4939.1
10°	6050.5	5803.8	5352.0	5048.2	4902.7	4850.8	4853.4	4897.6	4939.1	4970.3	4975.5
12.5°	6133.6	5772.7	5178.0	4853.4	4759.9	4770.3	4843.0	4941.7	5022.2	5066.3	5068.9
15°	6227.1	5723.3	4967.7	4669.0	4637.9	4718.4	4853.4	5004.0	5126.1	5198.8	5206.6
17.5°	6305.0	5640.2	4746.9	4489.9	4528.8	4676.8	4863.8	5058.6	5206.6	5297.5	5313.0
20°	6393.3	5533.8	4518.4	4318.5	4430.1	4630.1	4843.0	5053.4	5206.6	5294.9	5315.6
22.5°	6463.4	5383.2	4300.3	4178.2	4341.8	4573.0	4772.9	4941.7	5066.3	5113.1	5144.2
25°	6492.0	5193.6	4095.1	4064.0	4271.7	4479.5	4614.5	4710.6	4749.5	4744.3	4757.3
27.5°	6476.4	4975.5	3918.6	3973.1	4183.4	4334.0	4401.6	4393.8	4323.7	4258.7	4289.9
30°	6411.5	4715.8	3770.5	3879.6	4069.2	4152.3	4141.9	4040.6	3908.2	3786.1	3793.9
32.5°	6294.6	4435.3	3632.9	3773.1	3908.2	3944.5	3874.4	3742.0	3552.4	3394.0	3370.6
35°	6195.9	4167.9	3510.9	3651.1	3747.2	3729.0	3661.5	3490.1	3318.7	3178.5	3155.1
37.5°	6180.4	3939.3	3394.0	3513.5	3568.0	3542.0	3458.9	3313.5	3251.2	3144.7	3131.7
40°	6263.5	3778.3	3274.6	3368.0	3394.0	3373.2	3282.3	3199.2	3256.4	3230.4	3230.4
42.5°	6489.4	3692.6	3168.1	3222.6	3243.4	3259.0	3194.1	3123.9	3194.1	3074.6	3035.7
45°	6847.7	3695.2	3072.0	3079.8	3142.1	3196.7	3152.5	3048.6	3012.3	2773.4	2726.6
47.5°	7374.9	3783.5	2994.1	2944.8	3056.4	3147.3	3085.0	2934.4	2773.4	2615.0	2586.4
50°	7990.3	3941.9	2924.0	2804.5	2942.2	3085.0	3038.2	2861.7	2695.5	2599.4	2581.2
52.5°	8673.3	4141.9	2838.3	2648.7	2801.9	3056.4	3048.6	2851.3	2622.8	2557.8	2542.3
55°	9517.2	4339.2	2731.8	2467.0	2677.3	3033.1	3020.1	2765.6	2607.2	2560.4	2555.2
57.5°	10498.8	4624.9	2578.6	2282.6	2534.5	2937.0	2908.4	2713.6	2555.2	2521.5	2518.9
60°	12080.3	5068.9	2360.5	2113.8	2389.0	2768.2	2804.5	2625.4	2472.1	2464.4	2461.8
62.5°	14160.3	5692.2	2134.6	1939.8	2220.3	2550.1	2653.9	2505.9	2383.9	2422.8	2428.0
65°	17032.4	6216.7	1900.9	1791.8	2033.3	2339.7	2511.1	2394.2	2285.2	2360.5	2360.5
67.5°	18904.6	6227.1	1687.9	1638.6	1843.7	2163.1	2360.5	2261.8	2157.9	2285.2	2290.4
70°	18515.1	5455.9	1511.3	1477.6	1659.4	1973.6	2194.3	2116.4	1996.9	2111.2	2069.6
71°	17886.7	5027.4	1441.2	1415.3	1586.6	1882.7	2116.4	2051.5	1932.0	2007.3	1983.9
72.5°	16884.3	4365.2	1327.0	1332.2	1477.6	1768.4	2007.3	1939.8	1820.4	1861.9	1854.1
75°	14272.0	3812.1	1134.8	1158.2	1269.8	1573.7	1789.2	1737.3	1615.2	1615.2	1607.4
77.5°	8922.6	2664.3	942.6	955.6	1077.7	1347.7	1537.3	1493.2	1376.3	1337.3	1327.0
80°	3329.1	1376.3	737.5	753.1	828.4	1062.1	1272.4	1230.9	1111.4	1067.3	1025.7
82.5°	1259.4	690.7	542.7	529.7	610.2	810.2	997.2	947.8	854.3	747.9	716.7
85°	475.2	342.8	332.4	322.0	358.4	480.4	618.0	607.6	509.0	433.7	425.9
87.5°	124.6	111.7	129.8	96.1	101.3	90.9	93.5	39.0	18.2	7.8	5.2
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)