

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: P192735

Luminaire Tested: **GAN-AF-07-LED-U-RW-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-07-LED-U-RW-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27425.2 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 226
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



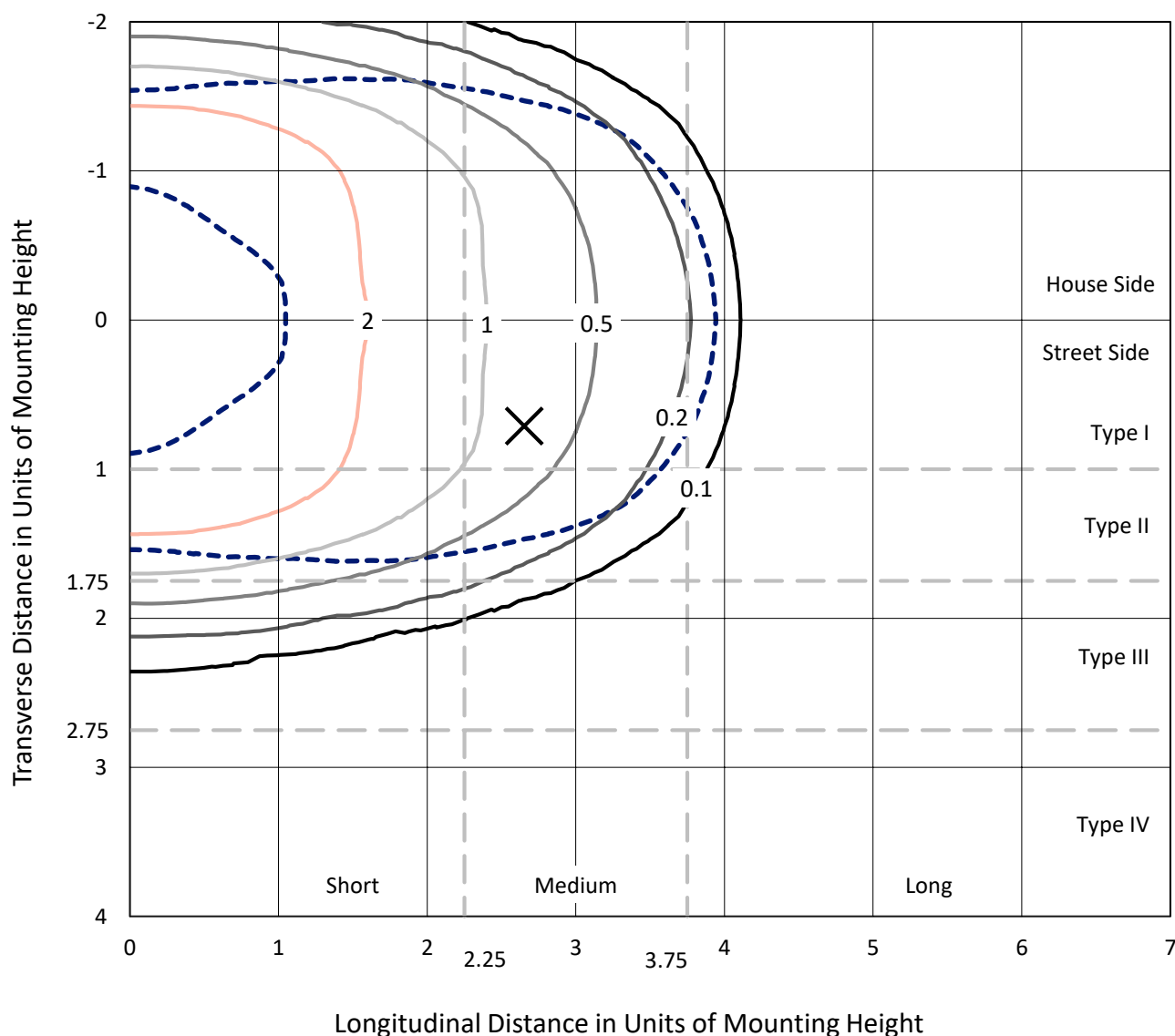
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

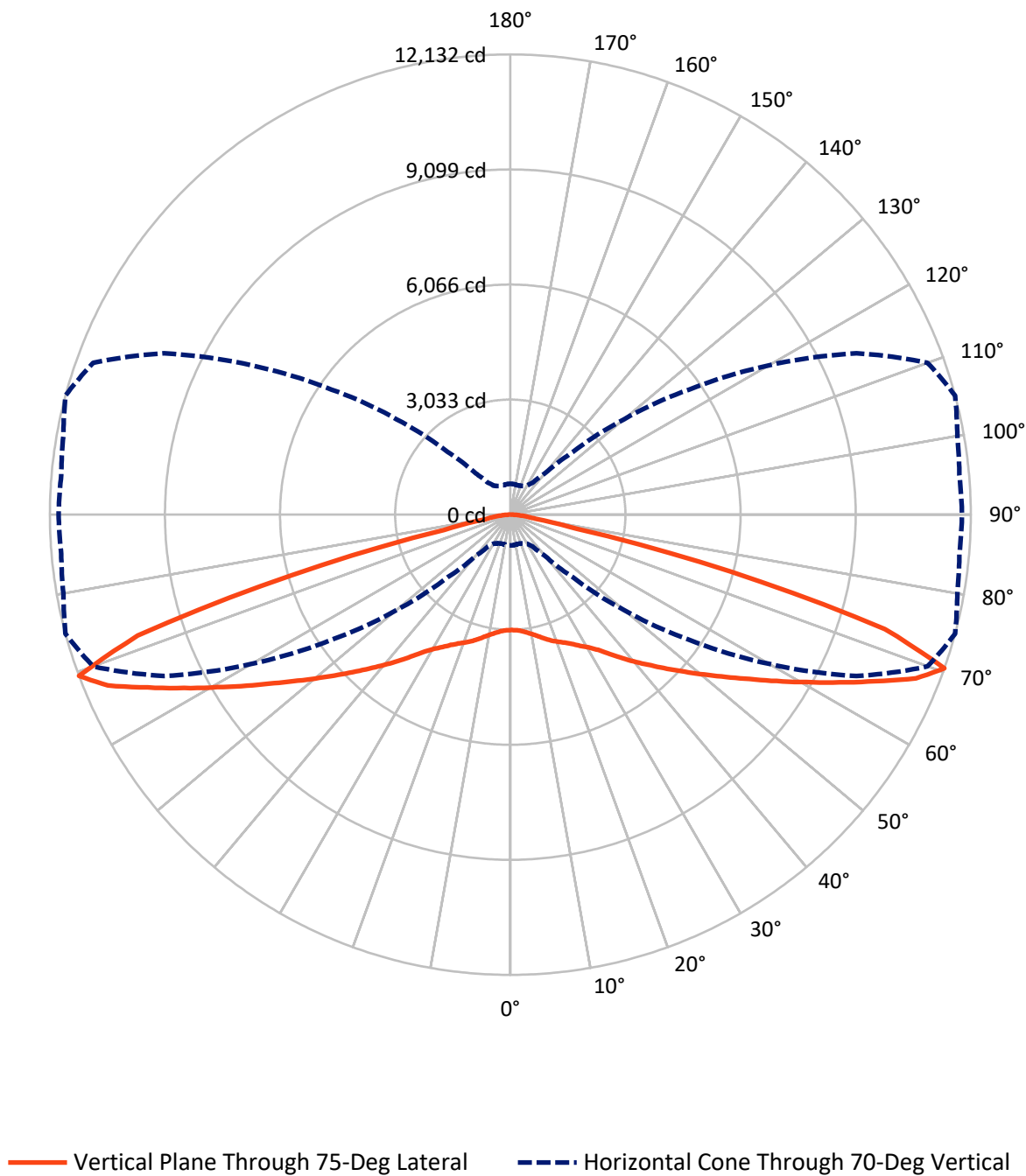


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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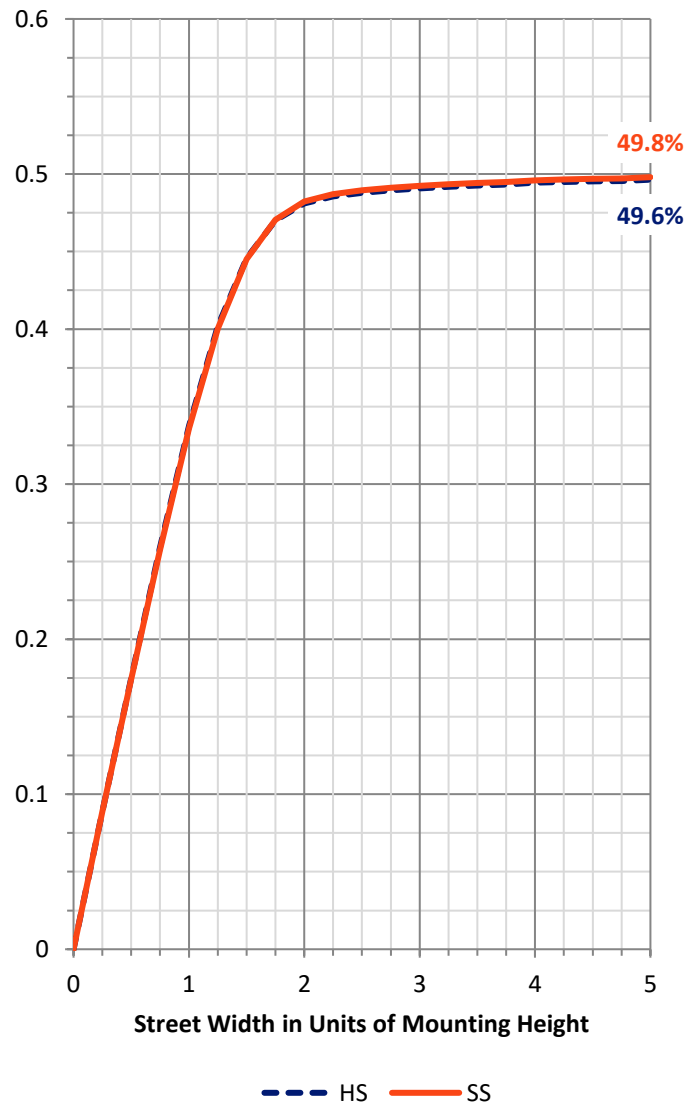
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13712.6	0.0	13712.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13712.6	0.0	13712.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27425.2	0.0	27425.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.8	1.1
10°-20°	906.5	3.3
20°-30°	1706.3	6.2
30°-40°	3021.4	11.0
40°-50°	5052.8	18.4
50°-60°	7041.1	25.7
60°-70°	6529.5	23.8
70°-80°	2602.2	9.5
80°-90°	273.5	1.0
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°	27425.2	100.0
0°-180°	27425.2	100.0

Coefficient of Utilization



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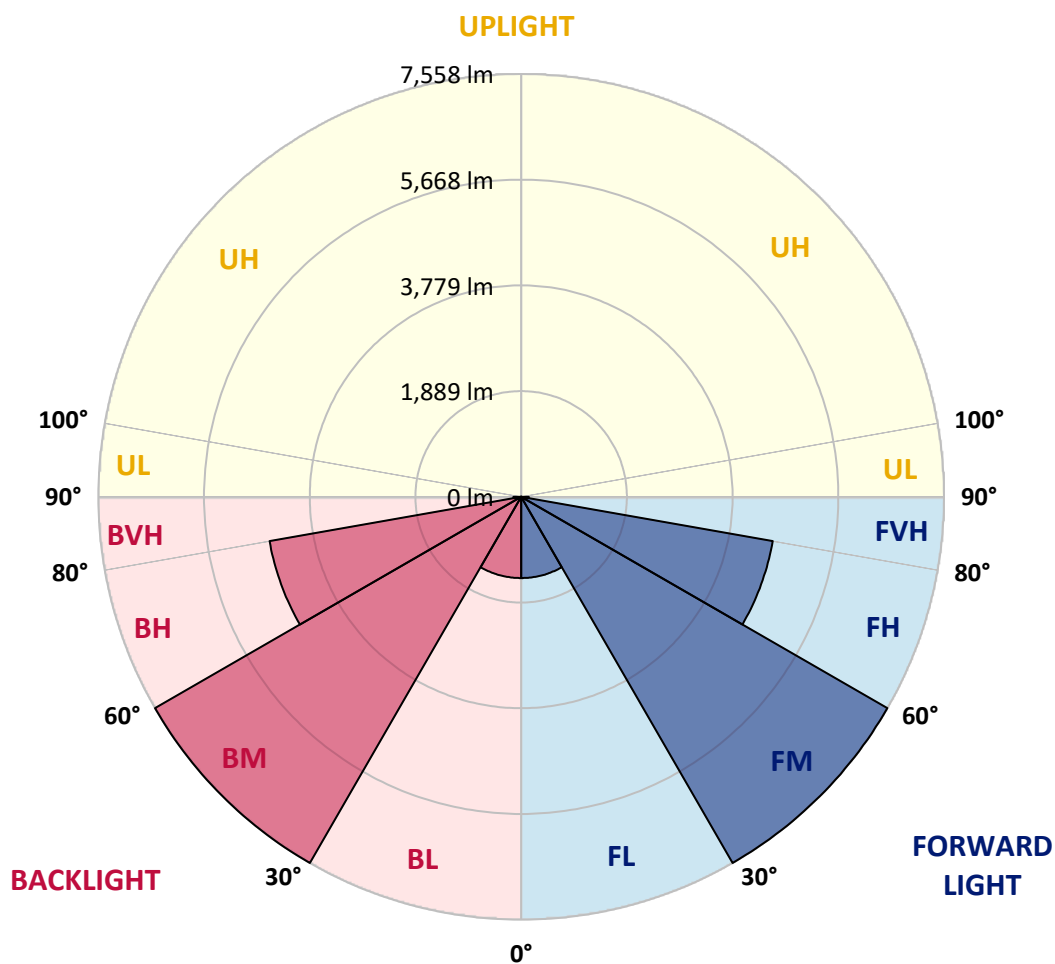
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1452.3	5.3			
FM	(30°-60°)	7557.7	27.6			
FH	(60°-80°)	4565.9	16.6			G2/5000
FVH	(80°-90°)	136.8	0.5			G2/225
BL	(0°-30°)	1452.3	5.3	B3/2500		
BM	(30°-60°)	7557.7	27.6	B4/8500		
BH	(60°-80°)	4565.9	16.6	B4/5000		G2/5000
BVH	(80°-90°)	136.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1
2.5°	3036.9	3034.3	3036.9	3035.7	3038.2	3038.2	3040.8	3045.9	3045.9	3049.9	3048.6
5°	3007.2	3005.8	3009.6	3013.6	3017.4	3025.3	3033.0	3044.7	3053.8	3060.3	3066.7
7.5°	2948.8	2948.8	2954.0	2963.0	2972.1	2988.9	3007.2	3030.5	3053.8	3073.3	3090.1
10°	2900.9	2903.3	2909.9	2925.4	2941.0	2966.9	2991.5	3025.3	3057.6	3090.1	3116.0
12.5°	2872.3	2876.1	2887.8	2911.2	2937.1	2972.1	3009.6	3052.4	3088.8	3127.6	3153.5
15°	2881.3	2884.0	2900.9	2929.3	2963.0	3007.2	3057.6	3108.2	3150.9	3192.4	3227.4
17.5°	2931.9	2935.8	2955.3	2987.7	3022.6	3074.4	3128.9	3186.0	3239.1	3285.8	3328.6
20°	3022.6	3026.6	3051.2	3086.1	3127.6	3180.7	3235.1	3294.8	3354.5	3403.8	3451.7
22.5°	3150.9	3157.5	3180.7	3215.8	3262.5	3319.6	3384.3	3447.7	3504.8	3550.2	3593.0
25°	3319.6	3333.7	3355.8	3394.6	3443.9	3495.7	3565.7	3630.5	3685.0	3727.7	3758.8
27.5°	3557.9	3577.3	3594.3	3631.9	3679.9	3729.0	3799.1	3856.1	3907.8	3949.4	3972.7
30°	3874.3	3893.7	3910.5	3946.8	3990.9	4037.5	4103.7	4154.1	4186.6	4219.0	4217.7
32.5°	4258.0	4278.6	4285.1	4324.1	4369.4	4419.9	4479.5	4508.0	4533.9	4537.9	4514.5
35°	4686.9	4697.3	4723.2	4775.0	4826.8	4868.4	4925.4	4939.7	4939.7	4920.3	4868.4
37.5°	5157.5	5163.9	5200.2	5258.5	5311.6	5354.5	5393.4	5421.9	5407.6	5366.2	5279.3
40°	5673.3	5685.0	5736.7	5788.7	5848.3	5888.4	5929.9	5935.1	5920.9	5859.9	5742.0
42.5°	6165.8	6176.2	6228.1	6309.7	6387.6	6443.2	6482.2	6489.9	6444.5	6388.8	6242.3
45°	6589.7	6616.8	6684.3	6780.2	6892.9	6972.1	7025.2	7047.2	7007.1	6934.4	6764.7
47.5°	6925.4	6952.6	7048.6	7162.6	7302.6	7430.9	7519.0	7565.6	7555.3	7500.8	7315.6
50°	7171.7	7197.6	7301.2	7441.2	7604.6	7764.0	7914.4	8025.8	8064.8	8040.1	7870.3
52.5°	7200.1	7242.9	7364.8	7552.8	7765.3	7983.0	8196.9	8386.2	8514.5	8533.9	8408.1
55°	6802.3	6845.0	7013.6	7292.2	7608.5	7963.6	8305.8	8624.7	8877.5	9007.0	8940.9
57.5°	5863.8	5940.3	6117.9	6444.5	6909.9	7441.2	7987.0	8553.4	9068.0	9411.4	9477.4
60°	4493.9	4584.5	4763.3	5110.7	5629.2	6263.1	6991.5	7828.9	8737.5	9509.9	9971.3
62.5°	2882.7	2968.2	3156.2	3458.2	3880.7	4567.7	5349.3	6343.4	7564.3	8784.1	9883.3
65°	1481.5	1528.2	1626.7	1809.5	2138.6	2651.9	3353.1	4344.7	5740.7	7245.5	8834.6
67.5°	938.4	947.5	969.5	995.5	1079.7	1257.2	1583.9	2202.2	3350.6	4920.3	6780.2
70°	811.4	811.4	801.0	797.1	807.5	832.1	882.7	1026.6	1414.2	2335.6	3910.5
72.5°	742.8	734.9	716.7	702.5	700.0	700.0	710.3	732.4	794.6	951.4	1530.7
75°	684.4	662.3	637.7	620.8	614.4	607.9	606.6	610.5	623.5	648.1	731.1
77.5°	613.1	584.5	556.0	539.2	531.4	522.4	514.6	505.6	499.0	506.8	543.1
80°	527.5	495.2	473.1	462.7	454.9	442.0	425.1	409.6	395.3	392.8	414.7
82.5°	425.1	387.6	388.9	392.8	378.5	360.3	342.2	325.4	300.7	287.8	300.7
85°	343.5	324.1	315.0	339.6	318.8	291.6	263.1	233.3	194.4	163.4	177.5
87.5°	133.6	133.6	199.6	307.2	276.1	225.5	193.2	164.7	102.3	79.1	80.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1	3042.1
2.5°	3047.2	3049.9	3048.6	3047.2	3047.2	3045.9	3047.2	3047.2
5°	3070.6	3077.1	3077.1	3079.7	3079.7	3081.0	3082.3	3081.0
7.5°	3105.5	3117.2	3125.1	3134.1	3135.4	3136.8	3139.3	3136.8
10°	3140.5	3163.9	3180.7	3197.6	3205.4	3208.0	3210.6	3210.6
12.5°	3184.7	3217.0	3246.8	3276.6	3291.0	3298.7	3298.7	3303.9
15°	3257.2	3289.7	3324.6	3364.8	3389.4	3402.5	3406.2	3406.2
17.5°	3359.6	3388.1	3417.9	3456.9	3488.0	3504.8	3508.8	3507.4
20°	3479.0	3506.1	3522.9	3547.5	3574.9	3594.3	3599.4	3599.4
22.5°	3615.0	3630.5	3633.1	3640.9	3662.9	3688.9	3700.5	3703.2
25°	3765.4	3769.2	3758.8	3758.8	3773.2	3797.8	3809.5	3810.8
27.5°	3959.8	3940.3	3914.4	3905.4	3914.4	3942.9	3957.2	3962.4
30°	4202.1	4155.4	4095.9	4063.5	4058.3	4095.9	4121.8	4125.6
32.5°	4479.5	4412.1	4333.1	4267.0	4250.0	4273.4	4304.6	4303.2
35°	4808.7	4728.4	4632.5	4548.3	4509.3	4532.7	4576.8	4581.9
37.5°	5188.5	5083.5	4973.4	4867.1	4806.2	4812.7	4859.3	4874.8
40°	5612.4	5476.3	5337.7	5195.1	5108.2	5091.4	5148.4	5157.5
42.5°	6066.1	5891.0	5716.1	5539.8	5428.3	5402.5	5468.5	5464.6
45°	6549.5	6326.5	6121.8	5927.4	5795.1	5756.3	5810.7	5810.7
47.5°	7069.3	6794.5	6550.7	6330.5	6186.6	6130.9	6182.7	6186.6
50°	7620.2	7328.4	7042.1	6797.0	6624.7	6553.4	6620.8	6631.2
52.5°	8168.4	7884.5	7595.4	7315.6	7106.9	7020.0	7097.8	7131.5
55°	8724.5	8445.7	8169.8	7896.1	7648.7	7546.2	7629.2	7671.9
57.5°	9311.6	9053.7	8790.6	8514.5	8276.0	8116.6	8204.8	8261.7
60°	9999.9	9779.6	9506.0	9201.5	8960.4	8798.3	8848.9	8899.5
62.5°	10544.3	10629.9	10397.7	10045.3	9735.4	9528.1	9577.3	9630.4
65°	10281.2	11158.6	11364.7	11008.3	10579.2	10256.5	10235.7	10263.0
67.5°	8593.6	10298.0	11541.0	11880.7	11521.6	11073.1	10990.2	11030.4
70°	5748.4	7871.6	10064.8	11697.9	12132.0	11958.4	11876.7	11901.4
72.5°	2760.9	4584.5	6828.1	8999.2	10321.2	10927.9	11122.4	11217.0
75°	1009.7	1819.8	3291.0	4959.1	5987.0	6930.6	7546.2	7797.8
77.5°	609.2	734.9	1051.2	1582.6	1792.6	2006.4	1923.5	1965.0
80°	451.0	509.3	576.8	648.1	671.4	671.4	645.5	624.8
82.5°	316.3	353.9	386.2	425.1	435.5	416.1	342.2	272.2
85°	203.5	220.3	234.6	259.3	252.7	241.1	162.0	143.9
87.5°	93.3	106.3	111.5	123.1	118.0	112.7	80.5	67.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)