

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: P323440

Luminaire Tested: **GAN-SA6B-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24420 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

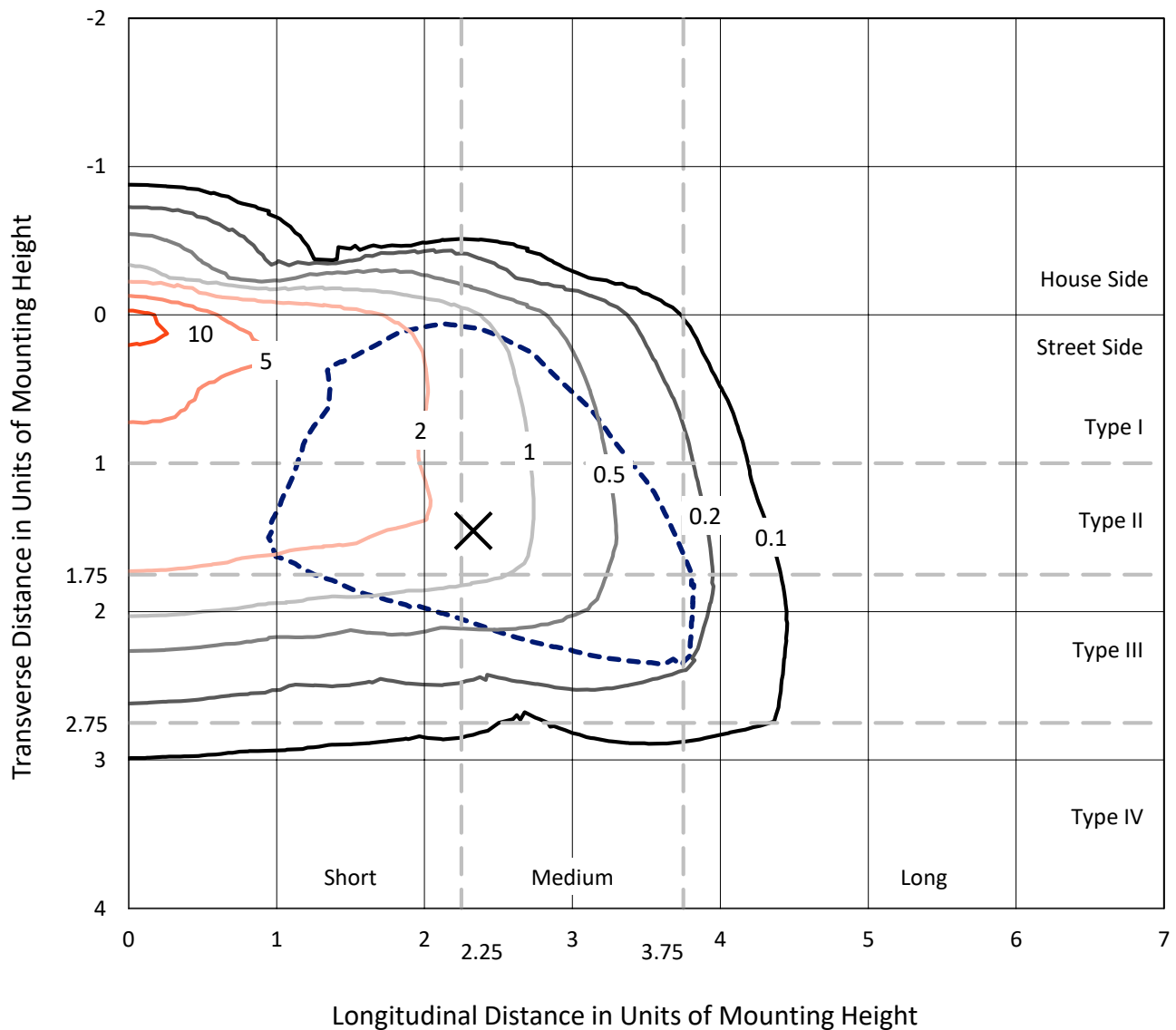
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

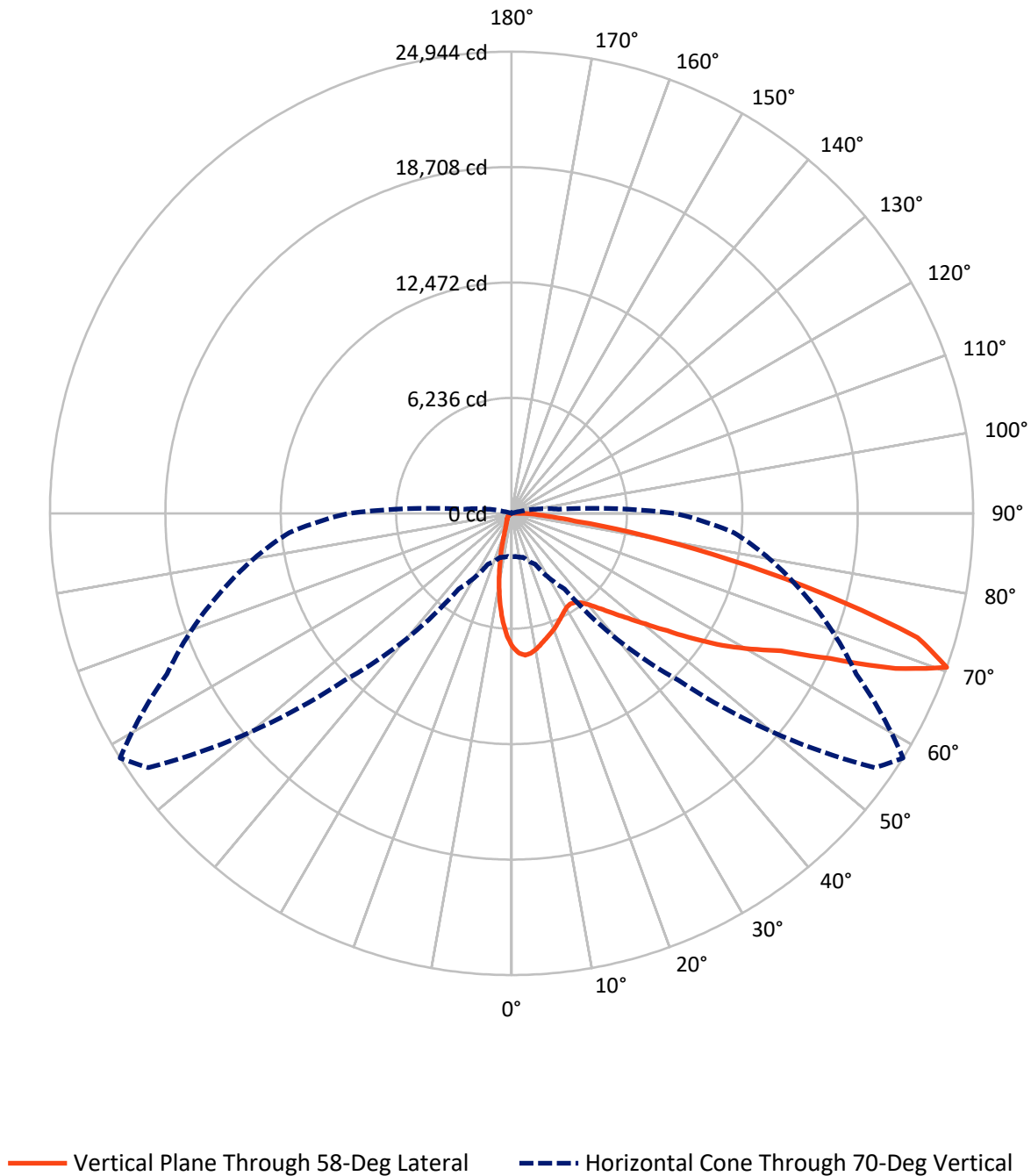
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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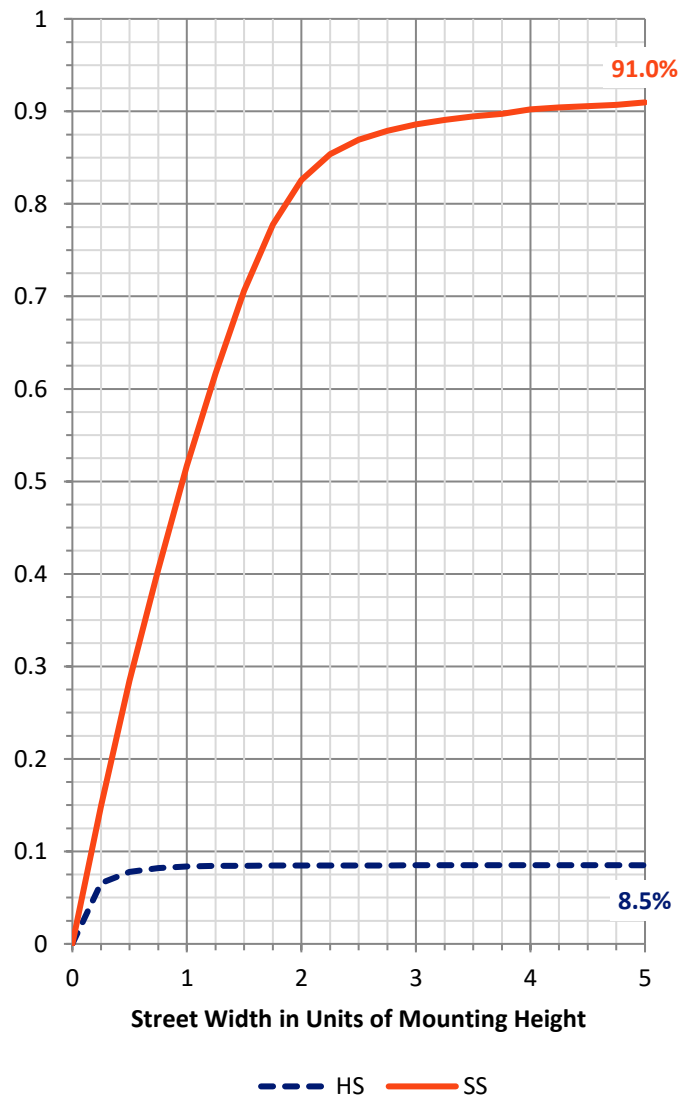
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2089.8	0.0	2089.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	22330.2	0.0	22330.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	24420.0	0.0	24420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.9	2.4
10°-20°	1238.0	5.1
20°-30°	1627.6	6.7
30°-40°	2155.5	8.8
40°-50°	3221.9	13.2
50°-60°	5161.3	21.1
60°-70°	6505.8	26.6
70°-80°	3509.2	14.4
80°-90°	410.8	1.7
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°	24420.0	100.0
0°-180°	24420.0	100.0

Coefficient of Utilization



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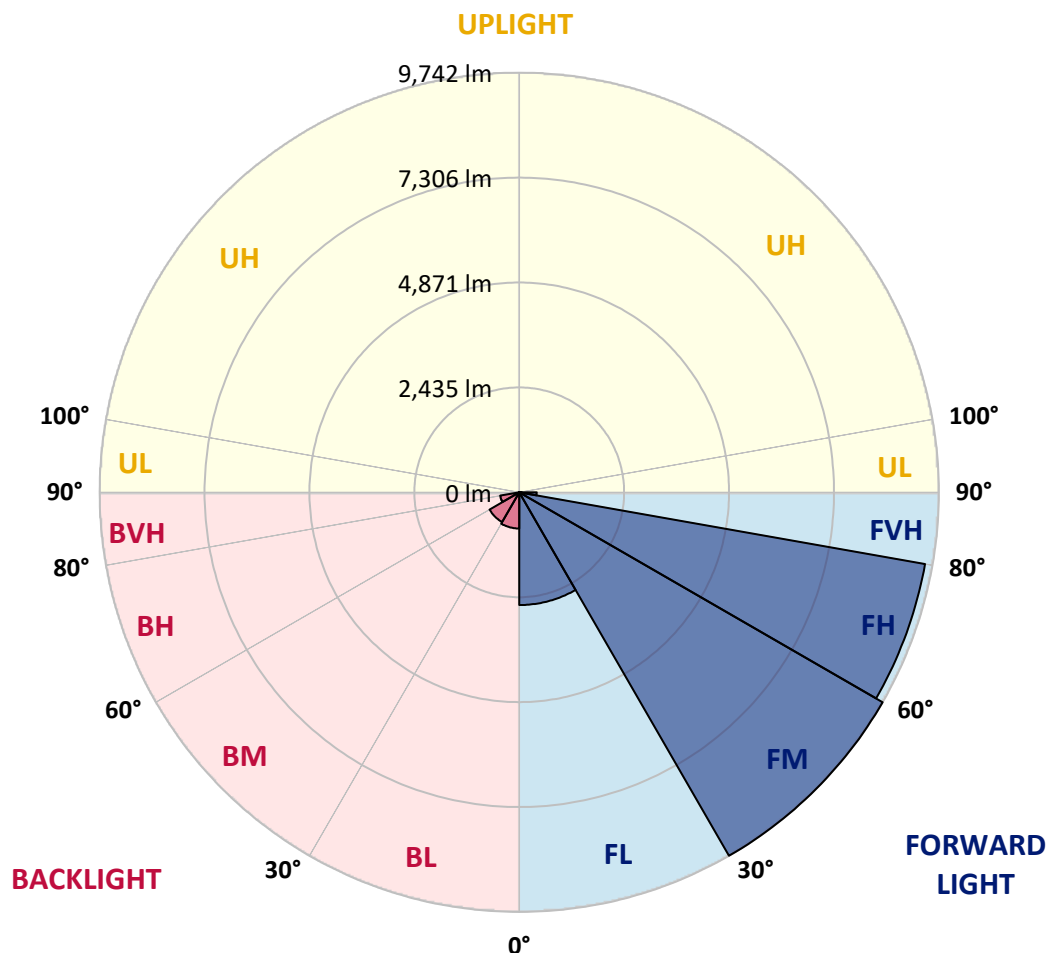
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2615.9	10.7			
FM	(30°-60°)	9741.5	39.9			
FH	(60°-80°)	9565.6	39.2			G4/12000
FVH	(80°-90°)	407.2	1.7			G3/500
BL	(0°-30°)	839.6	3.4	B2/1000		
BM	(30°-60°)	797.2	3.3	B1/1000		
BH	(60°-80°)	449.4	1.8	B1/500		G1/500
BVH	(80°-90°)	3.5	0.0			G0/10
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°	58°	65°	75°	85°
0°	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6
2.5°	7811.6	7792.3	7785.2	7773.0	7726.3	7680.6	7590.3	7564.9	7508.0	7373.0	7229.8
5°	7817.7	7816.7	7838.0	7833.0	7816.7	7795.4	7730.4	7696.9	7600.4	7407.5	7145.5
7.5°	7441.0	7460.3	7508.0	7546.6	7591.3	7649.2	7657.3	7624.8	7545.6	7337.4	6990.2
10°	6935.3	6965.8	7032.8	7109.0	7225.7	7341.5	7445.1	7441.0	7413.6	7208.5	6803.3
12.5°	6428.6	6464.2	6541.3	6654.1	6819.6	7008.4	7193.2	7218.6	7264.3	7092.7	6630.7
15°	5984.9	6015.4	6091.5	6229.6	6434.7	6688.6	6959.7	7006.4	7124.2	7002.3	6486.5
17.5°	5608.2	5627.5	5683.3	5836.6	6074.2	6381.9	6734.3	6825.7	7001.3	6931.3	6361.6
20°	5345.2	5348.2	5384.8	5492.4	5730.0	6074.2	6500.7	6631.7	6871.4	6870.3	6232.7
22.5°	5215.2	5205.0	5212.2	5274.1	5448.8	5780.8	6267.2	6422.5	6754.6	6818.6	6101.7
25°	5190.8	5182.7	5162.4	5170.5	5276.1	5523.9	6031.6	6211.3	6652.0	6787.1	5987.9
27.5°	5267.0	5275.1	5240.6	5204.0	5212.2	5357.4	5822.4	6030.6	6568.8	6787.1	5907.7
30°	5420.3	5424.4	5399.0	5351.3	5287.3	5310.7	5677.2	5885.4	6527.1	6833.8	5856.9
32.5°	5589.9	5612.2	5609.2	5570.6	5479.2	5384.8	5642.7	5832.6	6524.1	6937.4	5851.9
35°	5800.1	5825.5	5868.1	5860.0	5764.5	5609.2	5760.5	5909.8	6584.0	7107.9	5906.7
37.5°	6023.5	6062.1	6153.5	6197.1	6135.2	5959.5	6024.5	6131.1	6744.4	7384.1	6045.8
40°	6239.8	6283.4	6450.0	6621.6	6574.9	6394.1	6424.6	6509.9	7029.8	7781.2	6309.8
42.5°	6452.0	6517.0	6761.7	7044.0	7099.8	6955.6	6971.9	7039.9	7453.2	8327.5	6741.4
45°	6705.8	6779.0	7141.5	7489.7	7639.0	7576.1	7645.1	7689.8	8006.6	9049.4	7323.2
47.5°	7078.5	7162.8	7607.5	8004.6	8266.5	8307.2	8446.3	8475.7	8706.2	9890.2	8081.7
50°	7805.5	7828.9	8231.0	8591.5	8969.2	9212.9	9371.3	9393.7	9553.1	10809.2	9029.1
52.5°	8720.4	8735.7	8963.1	9204.8	9634.3	10131.9	10502.5	10534.0	10567.5	11704.8	9964.3
55°	9629.2	9627.2	9777.5	9919.7	10411.1	11134.1	11938.3	11957.6	11716.9	12554.7	10679.2
57.5°	10196.9	10251.7	10480.2	10662.9	11349.4	12276.4	13392.4	13463.5	12924.3	13184.2	11385.9
60°	10016.1	10042.5	10549.2	11225.5	12518.1	13900.1	14863.7	14882.0	13832.1	13812.8	12279.5
62.5°	8533.6	8547.8	9343.9	10738.1	13110.1	16006.1	16638.7	16341.2	14875.9	14685.0	13348.7
65°	5848.8	5941.2	6606.3	8329.5	12022.6	17327.1	19386.4	18893.9	16467.1	15942.1	14315.4
67.5°	3444.3	3425.0	3754.0	5023.3	8830.1	16449.8	22862.2	22372.8	18637.0	16783.9	14032.1
70°	2352.7	2339.5	2465.4	3041.2	4984.7	12760.8	23955.8	24943.8	20553.1	16217.3	12076.4
72.5°	1679.5	1686.6	1872.4	2362.9	3129.5	7434.9	20600.9	22939.4	19953.0	14137.7	9179.4
75°	1140.3	1159.6	1425.7	1938.4	2743.7	3782.4	14619.0	17437.8	16247.8	10275.0	5276.1
77.5°	613.3	634.6	948.4	1561.7	2480.7	2627.9	9403.8	12001.3	10206.0	4619.2	1529.2
80°	255.9	268.1	443.7	1135.2	2143.6	2308.1	5533.0	7277.5	4349.0	910.8	341.2
82.5°	110.7	116.8	184.8	677.3	1602.3	1948.6	2929.5	3501.2	1318.0	200.0	171.6
85°	21.3	22.3	76.2	358.4	1022.5	1099.7	1898.8	1861.3	592.0	86.3	124.9
87.5°	0.0	0.0	18.3	112.7	300.6	599.1	1158.6	1144.4	201.1	41.6	46.7
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°	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6	7213.6
2.5°	7156.7	7086.6	6939.4	6757.6	6618.5	6465.2	6343.3	6189.0	6122.0	6125.0	6088.5
5°	6996.3	6852.1	6526.1	6114.9	5798.1	5471.1	5189.8	4909.6	4744.0	4690.2	4639.5
7.5°	6766.8	6538.3	6018.4	5384.8	4848.6	4324.7	3868.8	3467.7	3213.8	3089.9	3044.2
10°	6507.8	6187.0	5434.5	4599.9	3834.2	3125.5	2534.5	2020.7	1815.6	1676.5	1640.9
12.5°	6280.4	5845.8	4863.9	3794.6	2885.8	2030.8	1467.3	1147.4	1008.3	953.5	944.3
15°	6066.1	5526.9	4314.5	3065.6	1998.3	1250.0	933.2	824.5	792.0	782.9	782.9
17.5°	5864.1	5223.3	3777.4	2347.7	1322.1	876.3	772.7	748.4	738.2	737.2	738.2
20°	5652.8	4919.7	3249.3	1720.1	923.0	742.3	713.8	700.6	697.6	697.6	697.6
22.5°	5450.8	4616.1	2735.5	1228.7	740.2	677.3	663.1	653.9	650.9	649.9	647.8
25°	5256.8	4327.7	2233.9	868.2	649.9	620.4	608.2	596.1	586.9	581.8	578.8
27.5°	5097.4	4070.8	1766.8	696.6	586.9	561.5	546.3	528.0	505.7	495.5	491.5
30°	4970.5	3836.3	1361.7	587.9	528.0	502.6	479.3	447.8	415.3	398.0	397.0
32.5°	4871.0	3605.8	1033.7	519.9	475.2	443.7	410.2	370.6	333.1	313.8	312.7
35°	4822.2	3402.7	790.0	470.1	428.5	388.9	347.3	303.6	267.1	248.8	246.7
37.5°	4854.7	3231.1	616.4	428.5	388.9	343.2	294.5	248.8	216.3	200.0	199.0
40°	4973.5	3121.4	500.6	393.0	355.4	299.5	246.7	204.1	176.7	163.5	162.5
42.5°	5226.4	3080.8	427.5	363.5	322.9	258.9	205.1	168.6	143.2	134.0	132.0
45°	5648.8	3140.7	377.7	335.1	289.4	220.3	169.6	138.1	115.8	108.7	107.6
47.5°	6211.3	3298.1	342.2	307.7	258.9	185.8	141.1	111.7	94.4	87.3	86.3
50°	6936.3	3547.9	312.7	280.3	230.5	157.4	116.8	88.3	73.1	68.0	68.0
52.5°	7725.3	3845.4	286.3	254.9	202.1	131.0	94.4	68.0	57.9	51.8	51.8
55°	8377.2	4105.3	257.9	235.6	167.5	108.7	72.1	51.8	42.6	39.6	39.6
57.5°	9028.1	4382.6	225.4	202.1	134.0	88.3	54.8	38.6	31.5	29.4	29.4
60°	9871.9	4721.7	193.9	164.5	105.6	67.0	40.6	27.4	23.4	22.3	22.3
62.5°	10800.0	4920.7	165.5	132.0	82.2	49.8	29.4	18.3	17.3	17.3	16.2
65°	11367.6	4639.5	139.1	105.6	64.0	37.6	19.3	13.2	15.2	14.2	12.2
67.5°	10643.6	3632.2	113.7	82.2	49.8	28.4	12.2	9.1	16.2	13.2	10.2
70°	8812.8	2542.6	88.3	57.9	39.6	24.4	8.1	6.1	17.3	13.2	8.1
72.5°	6595.2	1701.8	70.1	38.6	29.4	21.3	7.1	3.0	15.2	11.2	7.1
75°	3603.7	685.4	55.8	24.4	18.3	15.2	5.1	2.0	10.2	8.1	5.1
77.5°	948.4	180.7	40.6	16.2	10.2	6.1	3.0	1.0	5.1	4.1	2.0
80°	241.7	70.1	26.4	11.2	7.1	3.0	0.0	0.0	1.0	0.0	0.0
82.5°	129.0	29.4	16.2	8.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	97.5	19.3	9.1	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	37.6	6.1	3.0	0.0	0.0	0.0	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)