

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: P323140

Luminaire Tested: **GAN-SA6D-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-727-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32144 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

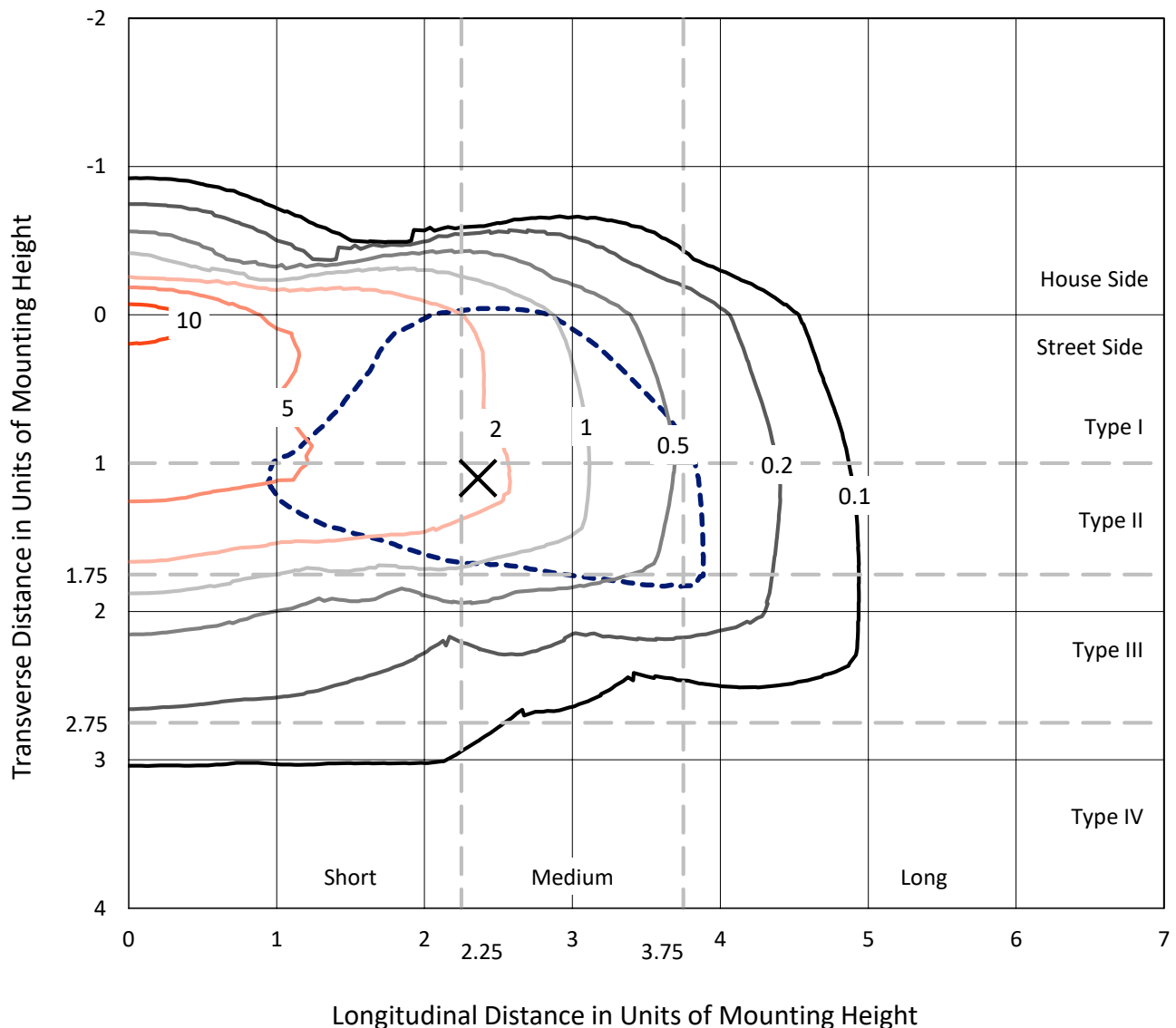
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

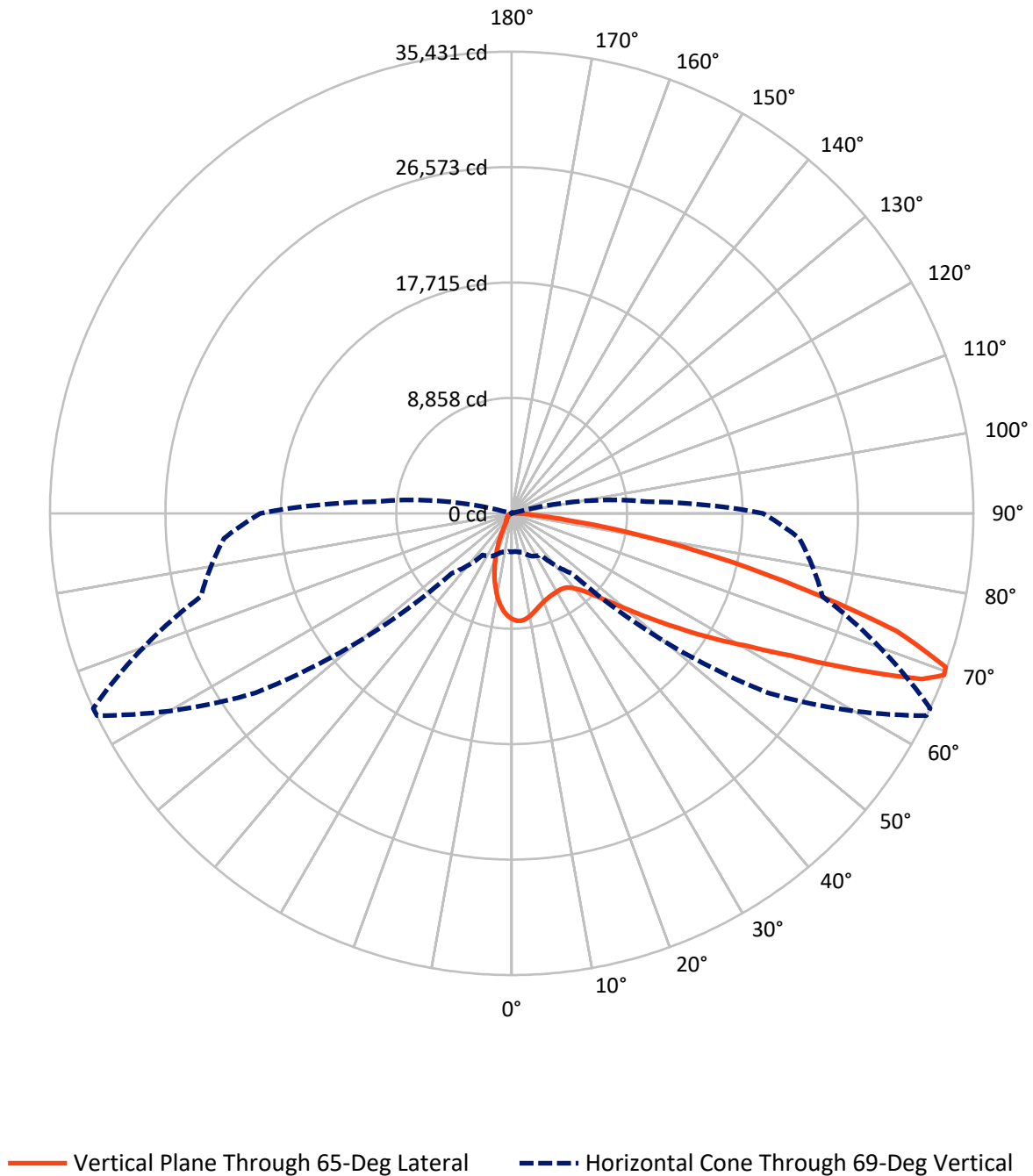
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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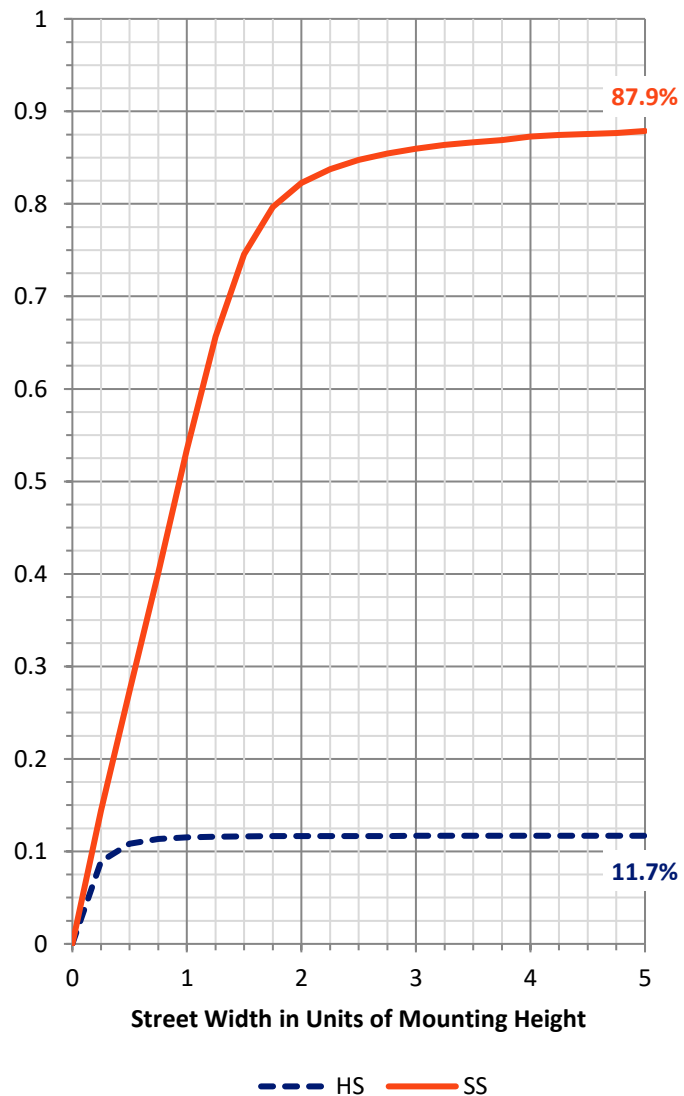
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3789.0	0.0	3789.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	28355.0	0.0	28355.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	32144.0	0.0	32144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.2	2.1
10°-20°	1486.9	4.6
20°-30°	2059.4	6.4
30°-40°	2871.4	8.9
40°-50°	4463.2	13.9
50°-60°	7165.1	22.3
60°-70°	8104.9	25.2
70°-80°	4760.1	14.8
80°-90°	553.7	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°	32144.0	100.0
0°-180°	32144.0	100.0

Coefficient of Utilization



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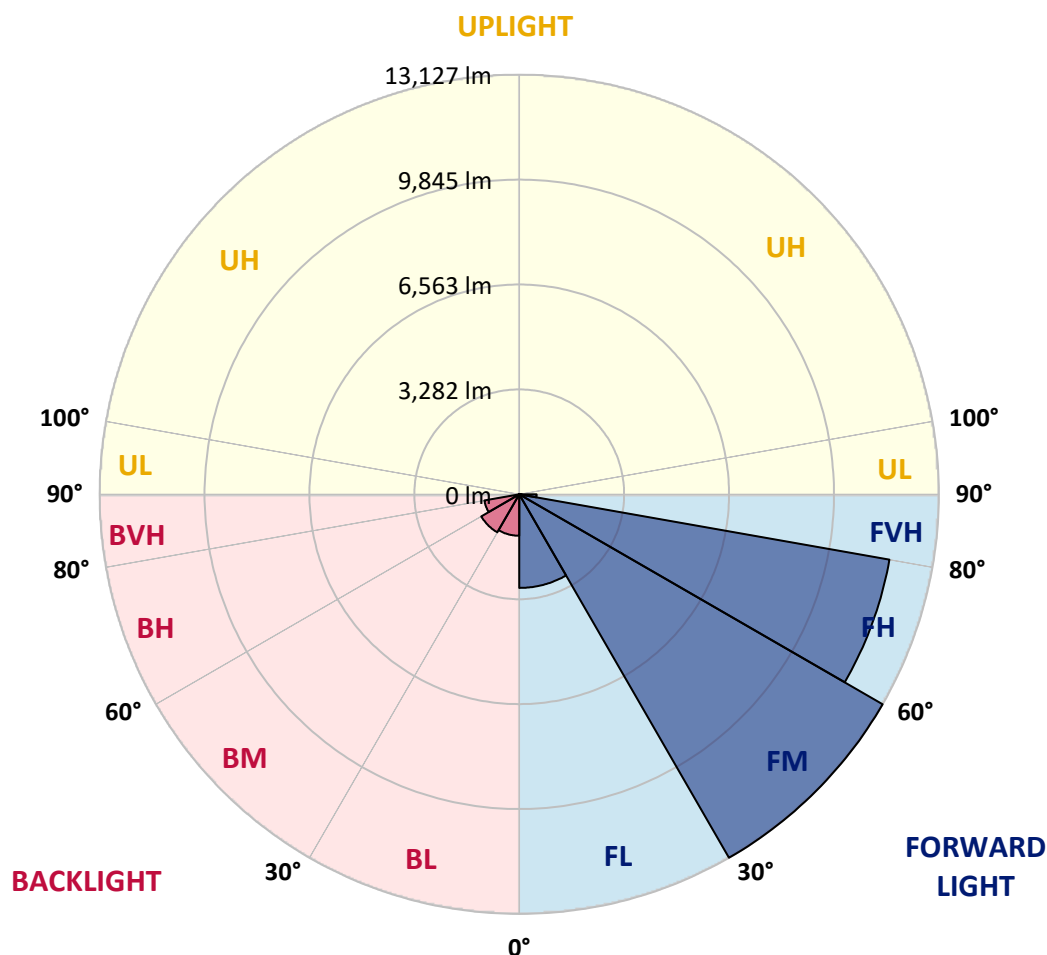
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2929.1	9.1			
FM	(30°-60°)	13126.7	40.8			
FH	(60°-80°)	11758.0	36.6			G4/12000
FVH	(80°-90°)	541.3	1.7			G4/750
BL	(0°-30°)	1296.4	4.0	B3/2500		
BM	(30°-60°)	1373.0	4.3	B2/2500		
BH	(60°-80°)	1107.1	3.4	B3/2500		G3/2500
BVH	(80°-90°)	12.5	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8
2.5°	8194.9	8174.5	8190.9	8226.2	8243.9	8243.9	8257.5	8241.2	8246.6	8207.2	8150.0
5°	7682.2	7650.9	7695.8	7795.0	7917.5	8022.2	8177.3	8258.9	8267.0	8268.4	8201.7
7.5°	7129.9	7101.4	7168.0	7285.0	7442.8	7637.3	7907.9	8144.6	8158.2	8286.1	8237.1
10°	6681.1	6660.7	6738.2	6863.3	7048.3	7265.9	7597.8	7927.0	7966.4	8249.3	8231.7
12.5°	6324.7	6308.4	6381.8	6526.0	6715.1	6955.8	7302.7	7684.9	7737.9	8166.4	8204.5
15°	6064.9	6062.2	6123.4	6262.2	6471.6	6696.0	7051.0	7460.4	7521.7	8076.6	8200.4
17.5°	5928.9	5933.0	5977.9	6096.2	6275.8	6498.8	6838.9	7271.4	7338.0	7996.4	8220.8
20°	5915.3	5919.4	5943.9	6010.5	6156.1	6353.3	6666.1	7112.3	7181.6	7936.5	8253.4
22.5°	6035.0	6032.3	6039.1	6032.3	6113.9	6263.5	6551.9	6989.8	7070.1	7897.1	8279.3
25°	6264.9	6260.8	6258.1	6207.7	6153.3	6233.6	6504.3	6920.5	6996.6	7868.5	8294.2
27.5°	6584.5	6581.8	6577.7	6494.7	6331.5	6281.2	6509.7	6894.6	6958.6	7845.4	8291.5
30°	7004.8	7023.8	7018.4	6902.8	6648.4	6426.7	6566.8	6881.0	6936.8	7800.5	8262.9
32.5°	7498.5	7536.6	7566.5	7442.8	7124.5	6715.1	6698.8	6896.0	6936.8	7766.5	8211.3
35°	8011.3	8060.3	8170.5	8126.9	7708.0	7149.0	6925.9	6985.8	7019.8	7785.5	8186.8
37.5°	8515.9	8574.4	8813.8	8940.3	8472.4	7723.0	7279.5	7207.5	7225.1	7901.1	8214.0
40°	9102.2	9190.6	9553.7	9757.8	9385.1	8491.4	7808.6	7588.3	7595.1	8155.5	8340.5
42.5°	9872.0	9963.1	10356.2	10675.9	10413.3	9462.6	8526.8	8170.5	8163.6	8631.5	8638.3
45°	10810.5	10905.7	11312.4	11667.4	11549.1	10613.3	9446.3	9020.5	9012.4	9382.3	9202.8
47.5°	11874.2	11968.0	12331.2	12697.0	12824.9	11957.1	10617.4	10180.8	10161.7	10425.6	10074.7
50°	12786.8	12848.0	13182.6	13675.0	14251.7	13608.3	12074.1	11653.8	11633.4	11811.6	11354.6
52.5°	13118.7	13154.1	13494.1	14183.7	15622.7	15844.4	13987.8	13446.5	13431.5	13509.1	13058.8
55°	12446.8	12510.7	12928.3	13951.1	16365.4	18371.6	16403.5	15666.3	15553.4	15386.1	14840.7
57.5°	10616.0	10718.0	11166.9	12527.0	16018.5	20376.5	19953.5	18177.1	18011.2	16988.3	16289.2
60°	7954.2	8079.3	8452.0	9919.6	14167.4	21090.6	23832.6	20974.9	20600.9	18264.2	17620.8
62.5°	5458.3	5520.9	5773.9	6730.0	10433.7	19920.8	27078.0	24722.2	24039.4	19651.5	19061.2
65°	4168.9	4190.6	4294.0	4623.2	6213.2	16181.8	28368.8	29666.3	28840.7	21310.9	20556.0
67.5°	3359.6	3341.9	3484.7	3955.3	4160.7	9872.0	26863.1	34343.9	33957.6	23529.3	22060.4
69°	2962.4	2937.9	3083.5	3630.3	3907.7	6526.0	24014.9	35406.2	35430.7	24700.4	22163.7
70°	2665.9	2682.2	2826.4	3437.1	3822.0	5122.3	21294.6	35135.5	35328.7	25138.4	21543.5
72.5°	1780.4	1824.0	2113.7	2853.6	3675.1	3876.4	12857.5	30150.6	30893.2	24152.3	18483.1
75°	1003.8	1036.4	1380.6	2151.8	3463.0	3691.5	6791.3	22212.7	22930.9	20196.9	14253.1
77.5°	492.4	510.1	780.7	1388.7	2895.8	3517.4	3852.0	15088.2	15908.4	13182.6	8061.6
80°	208.1	217.6	390.4	856.9	2070.2	3356.9	2860.4	9285.8	9387.8	5164.5	2147.7
82.5°	80.2	83.0	164.6	534.5	1315.3	2616.9	2392.5	4402.8	4296.7	972.5	489.7
85°	9.5	10.9	59.8	321.0	731.8	1346.6	1943.7	1897.4	1756.0	193.1	251.6
87.5°	0.0	0.0	4.1	97.9	217.6	631.1	1010.6	787.5	710.0	62.6	130.6
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°	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8	8122.8
2.5°	8102.4	8088.8	8015.4	7909.3	7808.6	7683.5	7563.8	7491.7	7434.6	7396.5	7441.4
5°	8124.2	8064.4	7841.3	7555.7	7275.5	6959.9	6666.1	6417.2	6319.3	6210.5	6259.4
7.5°	8117.4	8004.5	7603.3	7094.6	6580.4	6048.6	5545.4	5157.7	4956.4	4759.2	4809.5
10°	8083.4	7893.0	7285.0	6531.5	5761.6	4997.2	4283.1	3740.4	3437.1	3162.4	3201.8
12.5°	8008.6	7743.4	6909.6	5886.8	4857.1	3849.2	3012.7	2317.7	1945.0	1780.4	1800.8
15°	7963.7	7597.8	6512.4	5233.9	3891.4	2680.9	1841.6	1369.7	1199.7	1145.3	1152.1
17.5°	7941.9	7457.7	6101.7	4487.2	2903.9	1707.0	1190.1	1050.0	1013.3	1003.8	1006.5
20°	7920.2	7316.3	5678.6	3748.6	2000.8	1148.0	978.0	937.1	923.5	911.3	914.0
22.5°	7883.5	7180.3	5224.4	3000.5	1349.3	931.7	881.4	841.9	813.4	798.4	801.1
25°	7838.6	7037.4	4760.5	2234.7	984.8	831.1	783.4	727.7	693.7	666.5	667.8
27.5°	7766.5	6862.0	4281.8	1626.7	827.0	744.0	680.1	618.9	561.7	530.5	530.5
30°	7665.8	6663.4	3749.9	1164.3	741.3	658.3	580.8	504.6	443.4	414.8	412.1
32.5°	7554.3	6456.7	3212.7	882.7	673.3	578.1	489.7	409.4	355.0	331.9	330.5
35°	7459.1	6233.6	2676.8	739.9	605.3	500.5	404.0	336.0	292.4	273.4	272.0
37.5°	7397.9	6010.5	2154.5	661.0	544.1	428.4	338.7	277.5	246.2	231.2	229.9
40°	7388.4	5844.6	1677.1	601.2	486.9	364.5	282.9	235.3	206.7	190.4	189.1
42.5°	7512.1	5749.4	1286.7	550.9	428.4	308.8	240.7	201.3	171.4	155.1	153.7
45°	7837.2	5779.3	990.2	506.0	370.0	261.1	204.0	167.3	140.1	127.9	125.1
47.5°	8430.2	5986.0	787.5	461.1	314.2	221.7	174.1	138.7	115.6	103.4	102.0
50°	9485.7	6471.6	658.3	412.1	262.5	189.1	144.2	112.9	93.9	83.0	81.6
52.5°	10886.7	7336.7	587.6	364.5	217.6	160.5	118.3	89.8	73.4	65.3	63.9
55°	12431.8	8384.0	541.3	312.8	178.2	133.3	93.9	70.7	57.1	50.3	47.6
57.5°	13940.2	9291.2	497.8	262.5	148.3	108.8	74.8	55.8	44.9	38.1	36.7
60°	15326.2	10125.0	447.5	210.8	121.1	85.7	58.5	43.5	35.4	28.6	28.6
62.5°	16810.2	10769.7	378.1	164.6	99.3	65.3	47.6	39.4	28.6	24.5	23.1
65°	18382.5	11248.5	296.5	127.9	77.5	49.0	39.4	40.8	23.1	17.7	16.3
67.5°	19544.1	11153.3	219.0	100.7	59.8	38.1	38.1	43.5	20.4	13.6	12.2
69°	19288.4	10379.3	183.6	87.0	51.7	32.6	35.4	43.5	19.0	12.2	10.9
70°	18547.1	9522.4	161.9	77.5	46.2	29.9	34.0	42.2	17.7	12.2	10.9
72.5°	15445.9	7172.1	126.5	58.5	36.7	24.5	28.6	36.7	17.7	12.2	9.5
75°	11618.4	4590.5	96.6	42.2	27.2	19.0	21.8	27.2	17.7	10.9	9.5
77.5°	6322.0	1655.3	69.4	28.6	19.0	15.0	15.0	20.4	16.3	8.2	5.4
80°	1625.4	416.2	43.5	19.0	15.0	10.9	9.5	13.6	9.5	1.4	0.0
82.5°	401.2	93.9	23.1	13.6	10.9	4.1	4.1	6.8	4.1	0.0	0.0
85°	220.3	46.2	15.0	9.5	5.4	0.0	0.0	1.4	0.0	0.0	0.0
87.5°	112.9	13.6	4.1	2.7	1.4	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)