

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: P324880

Luminaire Tested: **GAN-SA6B-760-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-760-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27980 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

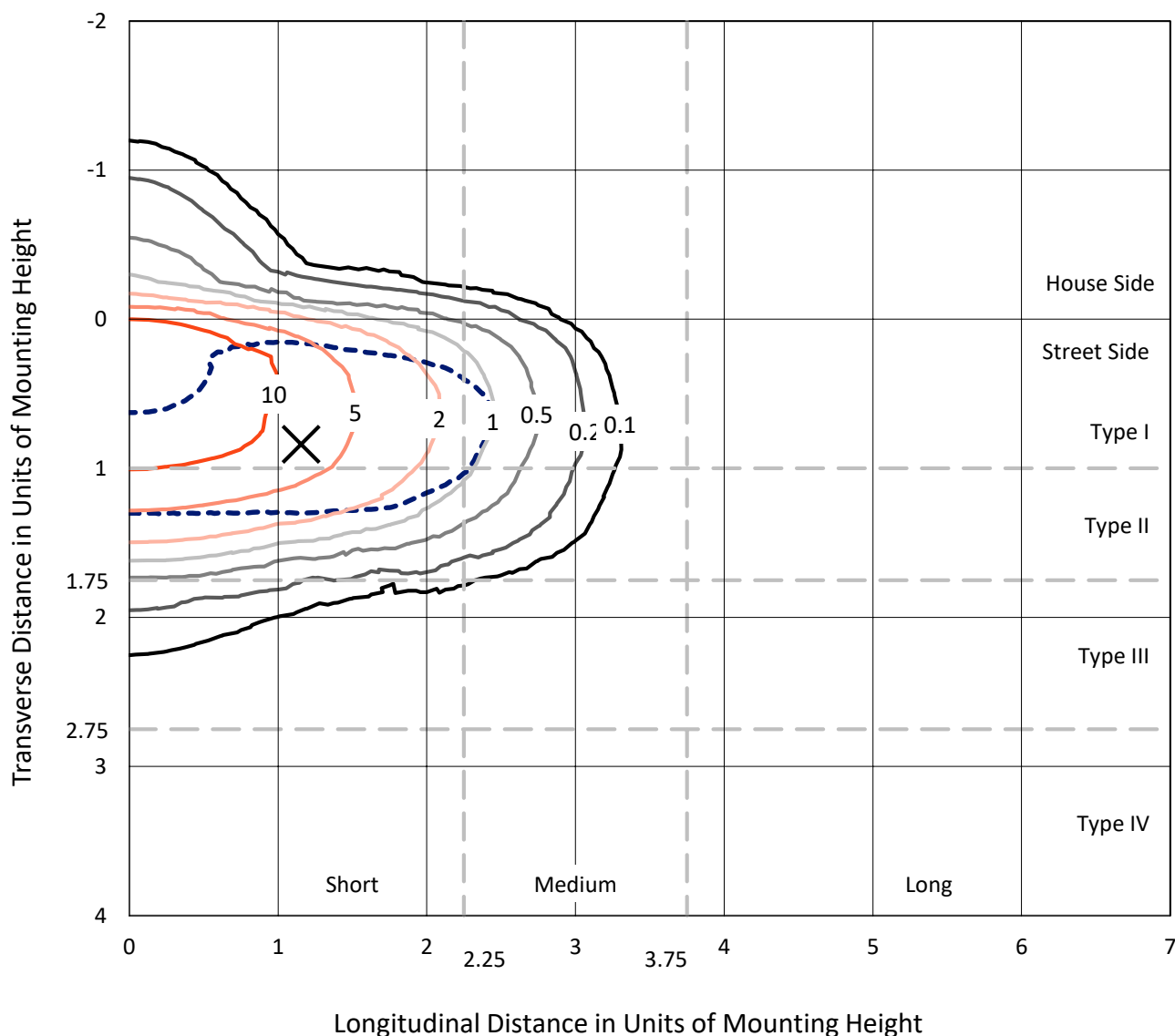
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

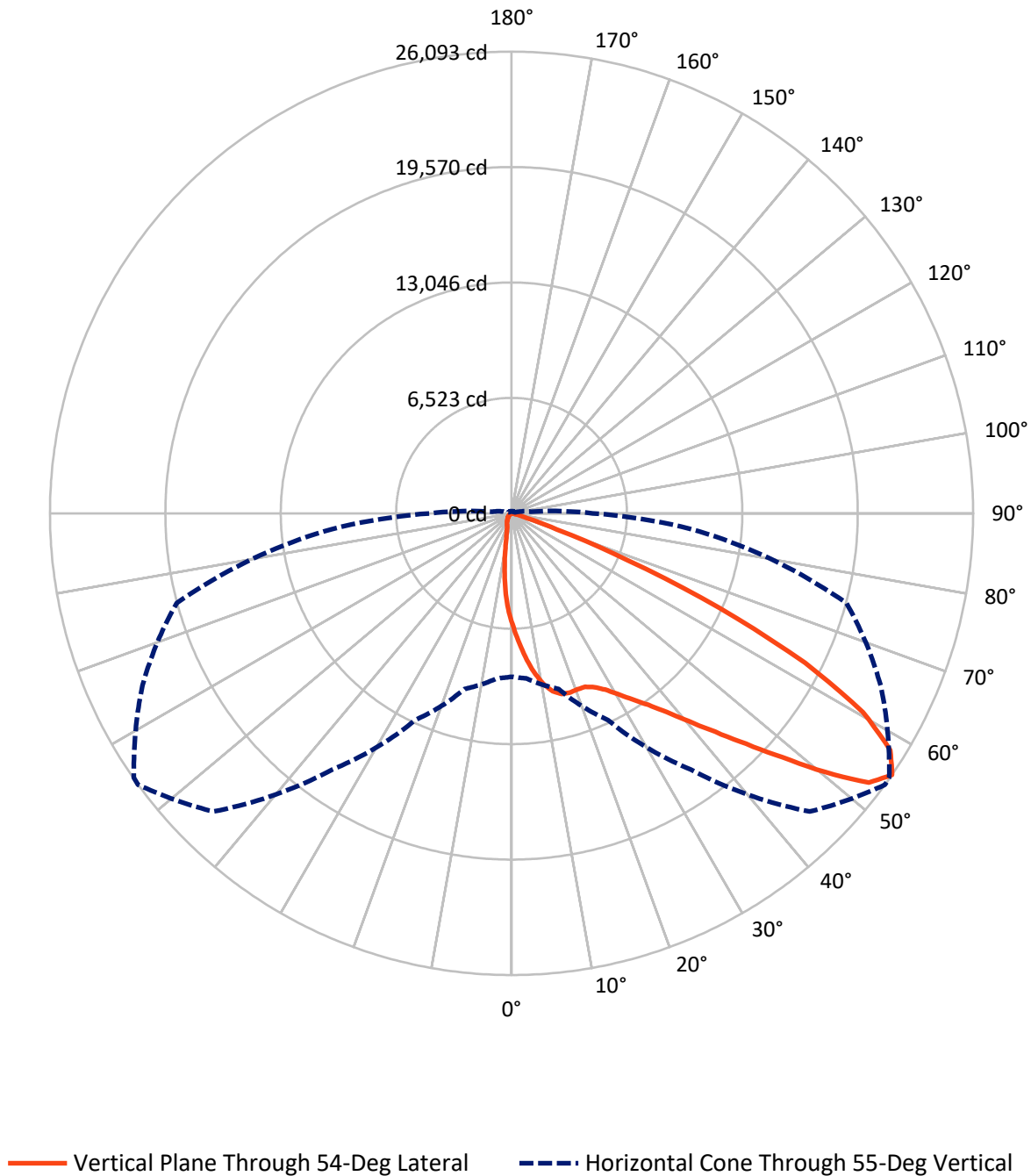
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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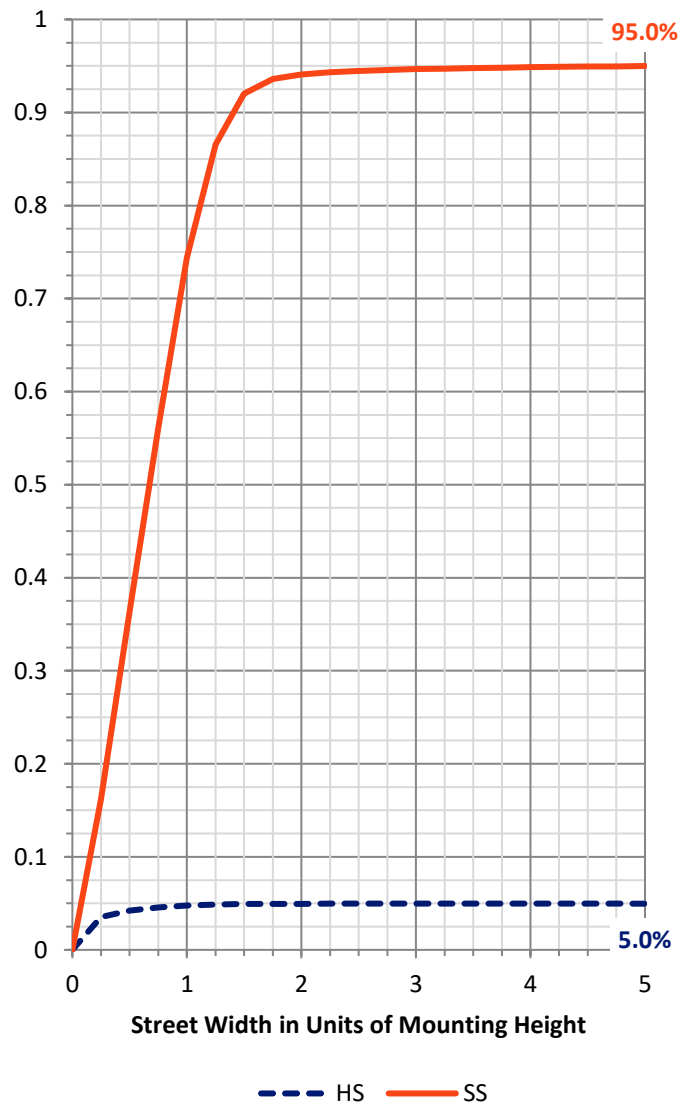
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1396.0	0.0	1396.0
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	26584.0	0.0	26584.0
	% Fixture	95.0	0.0	95.0
Total	Lumens	27980.0	0.0	27980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.1	2.1
10°-20°	1582.6	5.7
20°-30°	2702.0	9.7
30°-40°	4336.3	15.5
40°-50°	6929.5	24.8
50°-60°	7425.1	26.5
60°-70°	3812.3	13.6
70°-80°	577.5	2.1
80°-90°	37.6	0.1
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°	27980.0	100.0
0°-180°	27980.0	100.0

Coefficient of Utilization



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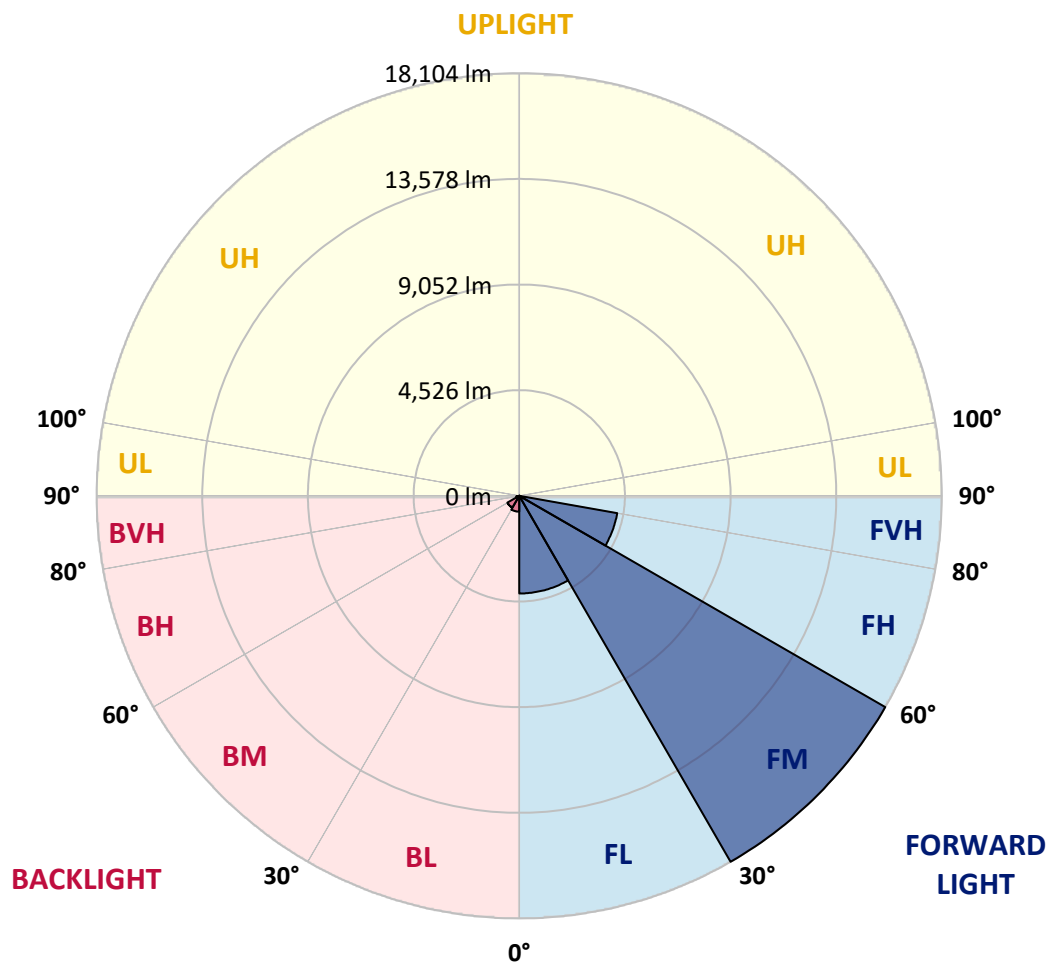
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4182.5	14.9			
FM	(30°-60°)	18104.3	64.7			
FH	(60°-80°)	4261.1	15.2			G2/5000
FVH	(80°-90°)	36.1	0.1			G1/100
BL	(0°-30°)	679.2	2.4	B2/1000		
BM	(30°-60°)	586.6	2.1	B1/1000		
BH	(60°-80°)	128.6	0.5	B1/500		G1/500
BVH	(80°-90°)	1.5	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4
2.5°	7863.8	7746.6	7750.2	7697.1	7502.5	7350.3	7192.0	7154.5	6908.0	6649.4	6400.5
5°	9223.2	9137.4	9116.8	9014.1	8743.5	8457.1	8150.2	8078.9	7596.8	7067.5	6546.7
7.5°	9921.6	9922.8	9905.9	9868.4	9699.3	9421.3	9046.8	8971.8	8315.7	7521.9	6699.0
10°	9718.6	9764.5	9858.8	9983.2	10112.5	10077.5	9795.9	9728.3	9015.3	8002.8	6868.1
12.5°	9244.9	9251.0	9356.1	9560.3	9932.5	10314.3	10319.1	10296.2	9683.6	8505.4	7054.2
15°	9009.3	9032.3	9070.9	9202.6	9555.5	10166.9	10604.3	10636.9	10296.2	9039.5	7252.4
17.5°	9164.0	9196.6	9164.0	9179.7	9383.9	9933.7	10653.8	10737.2	10831.5	9567.6	7439.7
20°	9583.3	9613.5	9555.5	9491.4	9531.3	9866.0	10618.8	10731.2	11250.8	10036.4	7596.8
22.5°	10148.8	10160.8	10072.6	9967.5	9938.5	10095.6	10647.8	10763.8	11586.7	10460.5	7695.9
25°	10771.0	10781.9	10672.0	10551.1	10482.3	10546.3	10885.8	10972.8	11882.7	10865.3	7752.6
27.5°	11448.9	11458.6	11320.8	11172.2	11092.5	11094.9	11278.5	11371.6	12198.1	11326.9	7798.6
30°	12165.5	12160.6	12033.8	11827.1	11725.6	11723.2	11844.0	11938.3	12654.8	11919.0	7861.4
32.5°	12970.2	12960.5	12780.5	12524.3	12409.5	12426.5	12534.0	12588.4	13221.5	12549.7	7973.8
35°	14029.9	14002.1	13730.2	13412.5	13201.0	13195.0	13285.6	13329.1	13944.1	13313.4	8161.1
37.5°	15405.0	15379.6	15011.1	14549.5	14252.2	14141.1	14248.6	14304.2	14974.8	14293.3	8461.9
40°	16760.7	16735.4	16516.7	16093.7	15635.8	15368.7	15453.3	15512.5	16261.7	15482.3	8841.3
42.5°	17696.0	17717.7	17793.9	17828.9	17399.9	16839.3	16877.9	16939.6	17613.8	16753.5	9275.1
45°	17942.5	17989.6	18419.8	19264.4	19425.1	18987.7	18582.9	18616.7	18987.7	18024.7	9708.9
47.5°	17201.8	17288.8	18118.9	19689.7	21050.3	21359.6	20593.6	20548.9	20306.0	19052.9	10017.1
50°	15518.6	15598.3	16673.7	18997.4	21543.3	23624.1	23003.0	22871.3	21462.3	19668.0	10125.8
52.5°	13082.6	13179.3	14052.9	16817.5	20614.1	24634.2	25284.3	25174.3	22310.6	19716.3	10143.9
55°	9238.9	9356.1	10280.5	12889.3	17669.4	23830.7	26092.7	26060.0	23015.1	19588.2	10182.6
57.5°	5192.2	5276.8	6273.6	8262.6	12941.2	20756.7	25248.0	25464.3	23440.4	19365.9	10240.6
60°	2305.5	2328.5	2844.4	4113.2	7576.2	15863.0	22830.2	23195.1	23075.5	19068.6	10338.5
62.5°	1278.4	1259.1	1259.1	1709.8	3292.7	9820.1	18616.7	19219.7	21517.9	18717.0	10343.3
65°	1001.7	983.6	931.6	938.9	1254.2	4358.4	12891.7	13963.5	18559.9	17686.3	9995.3
67.5°	849.5	833.7	781.8	761.2	779.4	1437.9	7083.2	8196.1	14083.1	15007.5	8657.7
70°	717.7	706.9	680.3	654.9	609.0	710.5	2710.3	3466.7	8678.2	9983.2	5909.9
72.5°	577.6	572.7	582.4	560.7	505.1	473.7	926.8	1122.5	3898.1	4455.1	2434.8
75°	497.8	495.4	500.2	478.5	415.7	329.9	471.2	514.7	1099.6	1089.9	493.0
77.5°	323.8	327.5	414.5	404.8	357.7	219.9	244.1	263.4	333.5	250.1	149.8
80°	206.6	204.2	210.2	335.9	321.4	168.0	122.0	128.1	160.7	123.2	72.5
82.5°	125.7	123.2	137.7	157.1	161.9	117.2	74.9	76.1	100.3	79.7	38.7
85°	10.9	14.5	83.4	77.3	55.6	36.2	36.2	38.7	53.2	47.1	21.7
87.5°	0.0	0.0	14.5	21.7	12.1	13.3	13.3	14.5	20.5	20.5	10.9
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°	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4	6266.4
2.5°	6271.2	6145.6	5891.8	5647.7	5441.1	5241.7	5014.6	4789.8	4684.7	4642.4	4598.9
5°	6282.1	6023.5	5500.3	4973.5	4427.3	3935.5	3516.2	3086.1	2871.0	2776.7	2733.2
7.5°	6296.6	5902.7	5056.9	4172.4	3292.7	2625.7	2043.3	1668.7	1506.8	1481.4	1418.6
10°	6299.0	5756.5	4542.1	3287.9	2207.6	1582.9	1218.0	1024.7	953.4	941.3	920.7
12.5°	6303.9	5583.7	3970.6	2434.8	1471.7	1058.5	880.9	816.8	797.5	796.3	796.3
15°	6318.4	5402.4	3377.3	1754.5	1057.3	838.6	773.3	748.0	740.7	744.3	743.1
17.5°	6318.4	5188.6	2794.9	1307.4	854.3	754.0	717.7	700.8	698.4	702.0	703.2
20°	6272.4	4928.8	2260.8	1017.4	757.6	699.6	667.0	651.3	645.2	647.7	648.9
22.5°	6162.5	4609.8	1825.8	842.2	693.6	650.1	615.0	590.9	581.2	582.4	582.4
25°	5990.9	4231.6	1428.2	728.6	641.6	596.9	555.8	528.0	522.0	520.8	523.2
27.5°	5771.0	3813.5	1137.0	641.6	580.0	537.7	496.6	473.7	468.8	470.0	471.2
30°	5554.7	3379.7	896.6	567.9	511.1	471.2	439.8	429.0	429.0	432.6	433.8
32.5°	5356.5	2962.8	709.3	503.9	449.5	413.2	395.1	393.9	400.0	402.4	403.6
35°	5186.2	2577.4	587.2	454.3	401.2	369.7	363.7	368.5	375.8	380.6	381.8
37.5°	5065.3	2233.0	513.5	413.2	363.7	338.3	337.1	346.8	356.5	367.3	369.7
40°	5014.6	1941.8	462.8	377.0	333.5	314.2	310.5	323.8	342.0	357.7	360.1
42.5°	4972.3	1703.7	419.3	342.0	309.3	281.5	280.3	297.2	319.0	334.7	338.3
45°	4936.0	1512.8	379.4	304.5	277.9	241.7	245.3	267.0	284.0	300.9	304.5
47.5°	4861.1	1355.7	335.9	264.6	229.6	206.6	213.9	233.2	246.5	271.9	275.5
50°	4727.0	1227.7	291.2	216.3	187.3	178.8	189.7	203.0	219.9	241.7	244.1
52.5°	4636.4	1131.0	252.5	181.2	154.7	157.1	168.0	172.8	182.5	190.9	188.5
55°	4584.4	1077.8	221.1	157.1	131.7	139.0	141.4	135.3	130.5	122.0	118.4
57.5°	4578.4	1029.5	197.0	136.5	116.0	119.6	111.2	90.6	73.7	64.0	61.6
60°	4568.7	970.3	177.6	114.8	102.7	97.9	79.7	49.5	35.0	32.6	32.6
62.5°	4463.6	878.5	163.1	96.7	87.0	73.7	45.9	23.0	19.3	20.5	20.5
65°	4128.9	750.4	148.6	78.5	68.9	53.2	23.0	13.3	7.2	8.5	8.5
67.5°	3510.2	598.1	132.9	60.4	52.0	33.8	13.3	6.0	0.0	0.0	0.0
70°	2350.2	371.0	112.4	42.3	33.8	20.5	9.7	1.2	0.0	0.0	0.0
72.5°	901.4	200.6	90.6	25.4	21.7	14.5	6.0	0.0	0.0	0.0	0.0
75°	203.0	131.7	62.8	18.1	15.7	9.7	2.4	0.0	0.0	0.0	0.0
77.5°	77.3	95.5	36.2	12.1	10.9	6.0	0.0	0.0	0.0	0.0	0.0
80°	37.5	56.8	16.9	7.2	6.0	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	19.3	21.7	7.2	3.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.9	10.9	3.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.0	3.6	1.2	1.2	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)