

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: P324427

Luminaire Tested: **GAN-SA3A-730-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3A-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9603 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 96  
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

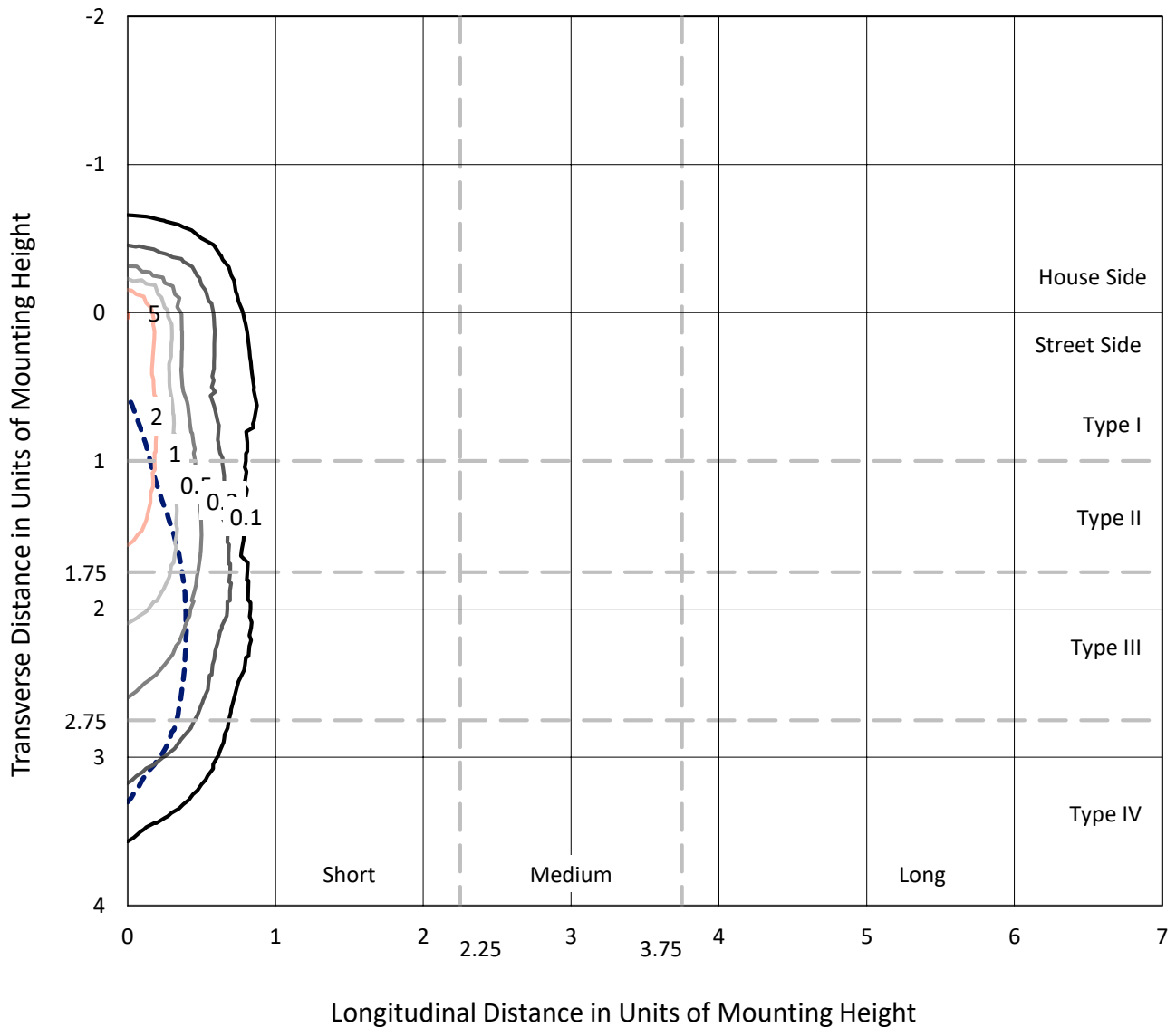




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### Iso-Footcandle Lines of Horizontal Illumination

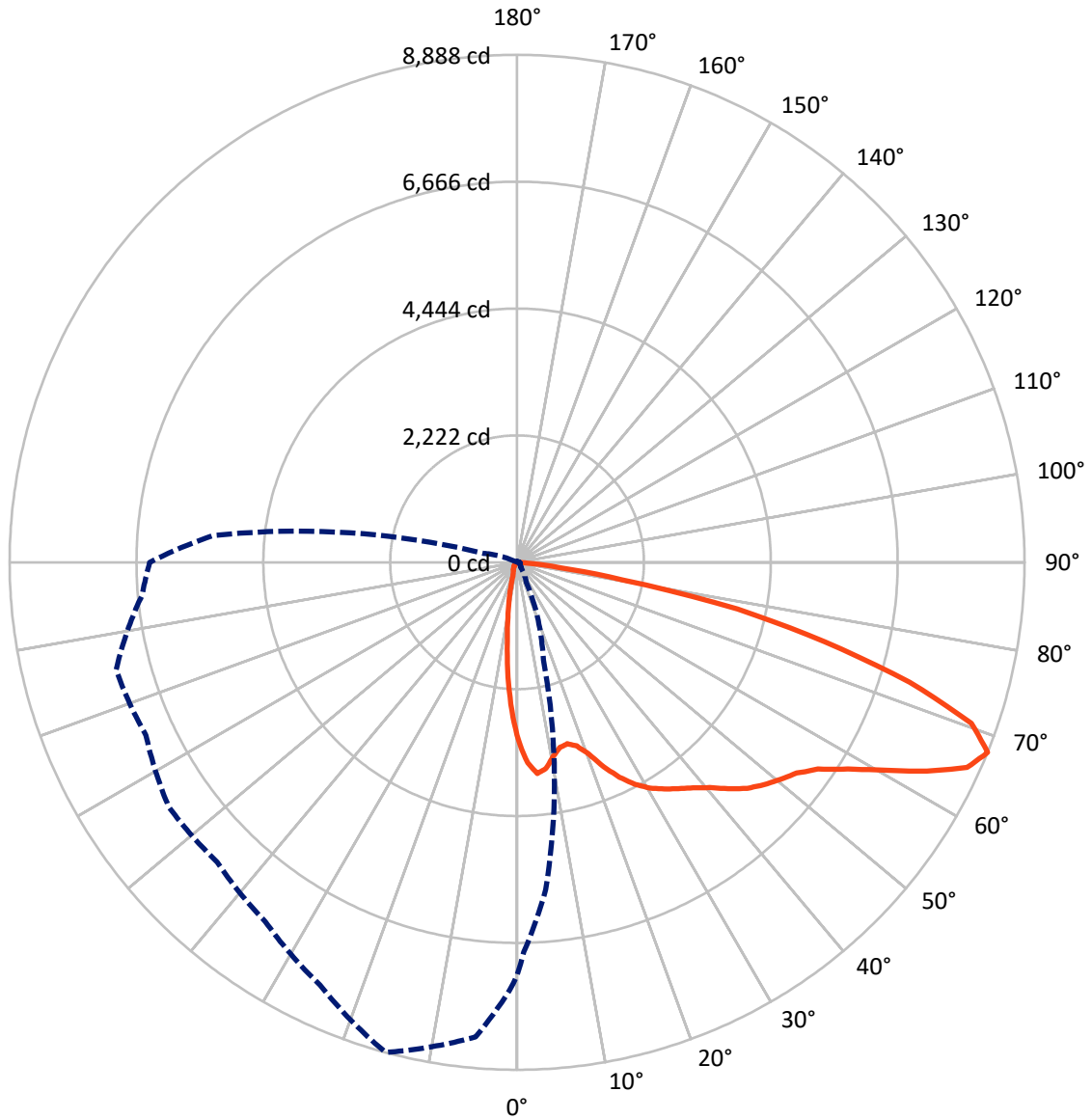
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1162.3	0.0	1162.3
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	8440.7	0.0	8440.7
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	9603.0	0.0	9603.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.1	2.5
10°-20°	477.9	5.0
20°-30°	678.6	7.1
30°-40°	1002.3	10.4
40°-50°	1445.6	15.1
50°-60°	2029.3	21.1
60°-70°	2365.5	24.6
70°-80°	1209.3	12.6
80°-90°	154.4	1.6
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°	9603.0	100.0
0°-180°	9603.0	100.0

**Coefficient of Utilization**

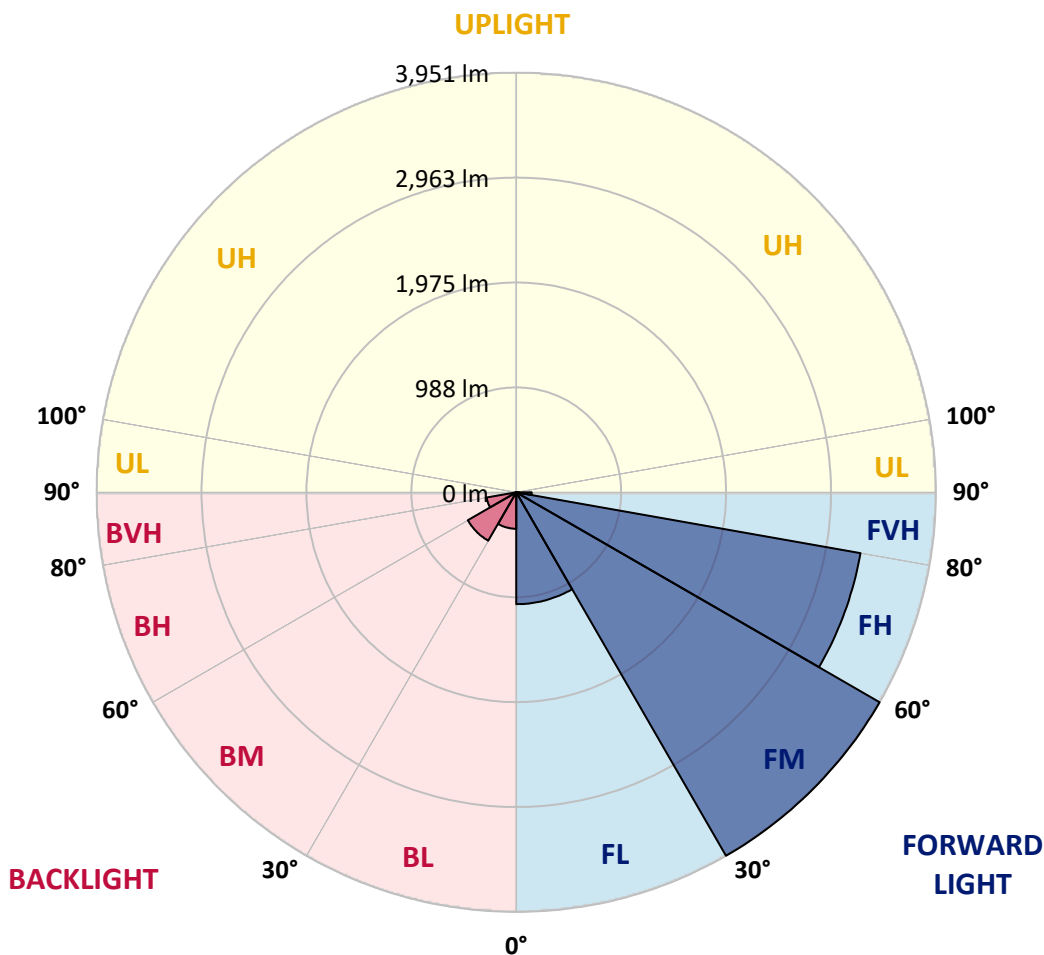


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.3	11.0			
FM (30°-60°)	3950.8	41.1			
FH (60°-80°)	3291.6	34.3			G2/5000
FVH (80°-90°)	145.1	1.5			G2/225
BL (0°-30°)	343.3	3.6	B1/500		
BM (30°-60°)	526.3	5.5	B1/1000		
BH (60°-80°)	283.3	2.9	B1/500		G1/500
BVH (80°-90°)	9.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2
2.5°	3425.2	3398.8	3369.7	3274.6	3186.4	3085.4	3003.1	2945.7	2873.8	2780.6	2756.9
5°	3400.7	3372.5	3281.0	3069.5	2884.3	2704.2	2530.4	2428.5	2302.0	2173.7	2141.9
7.5°	3153.6	3124.1	2992.1	2702.3	2453.0	2192.8	1967.2	1827.5	1684.6	1567.3	1504.9
10°	2896.6	2864.3	2716.0	2364.3	2057.2	1822.0	1656.4	1523.1	1388.0	1262.5	1162.4
12.5°	2719.6	2677.3	2516.3	2117.7	1850.2	1690.6	1535.9	1376.2	1193.3	1058.6	948.5
15°	2645.5	2597.2	2427.1	2022.7	1777.0	1589.6	1388.0	1191.9	977.7	823.4	722.4
17.5°	2702.8	2640.0	2457.6	2016.3	1685.1	1429.9	1175.1	944.9	712.4	556.4	484.5
20°	2897.5	2815.2	2583.6	2014.5	1573.6	1240.2	917.2	656.9	469.5	377.6	339.8
22.5°	3204.1	3095.4	2764.7	2029.0	1458.5	1040.9	662.4	446.3	352.6	304.8	282.5
25°	3574.5	3448.4	3025.3	2080.4	1357.5	847.1	481.3	352.6	297.5	262.5	243.8
27.5°	3926.6	3824.2	3354.7	2154.6	1279.3	690.6	390.8	298.9	254.3	231.1	216.1
30°	4278.2	4149.5	3692.7	2242.8	1185.1	584.6	343.5	272.5	227.9	203.4	193.8
32.5°	4533.9	4427.0	3957.5	2306.5	1084.6	515.4	307.1	249.3	212.9	187.9	173.8
35°	4834.6	4713.6	4184.5	2320.6	1020.0	471.8	276.1	224.3	184.7	162.4	147.4
37.5°	5159.5	5008.9	4446.6	2289.7	969.5	450.4	252.9	212.9	172.4	149.7	133.8
40°	5518.9	5348.7	4698.2	2245.1	919.9	443.1	235.2	204.3	162.9	139.7	123.3
42.5°	5897.4	5696.7	4916.1	2198.3	888.5	418.1	233.4	195.6	155.6	130.6	114.2
45°	6215.4	6012.0	5139.9	2182.8	866.2	390.8	241.1	189.7	150.6	123.3	107.4
47.5°	6468.8	6276.3	5369.2	2217.4	853.5	365.8	219.7	197.4	147.9	116.9	101.5
50°	6771.3	6553.4	5692.2	2320.6	834.8	340.7	198.8	226.1	147.9	112.8	96.4
52.5°	7150.7	6935.1	6052.5	2480.8	797.5	306.2	178.8	226.6	149.2	107.4	90.1
55°	7628.0	7471.5	6567.0	2656.4	737.9	255.2	154.7	194.7	143.8	97.4	84.2
57.5°	8085.6	7957.8	7036.1	2776.5	658.3	199.3	134.7	157.0	131.5	85.5	75.1
59°	8210.7	8071.1	7208.1	2782.0	598.7	173.8	124.7	129.7	128.7	80.1	69.6
60°	8210.7	8062.4	7257.6	2752.8	555.5	159.7	118.3	115.6	134.2	76.4	66.4
62.5°	8062.0	7853.6	7096.6	2555.8	453.1	136.0	103.3	95.5	120.6	68.7	58.7
65°	7752.6	7449.2	6547.9	2199.6	404.0	124.7	89.2	78.2	83.7	60.5	51.4
67.5°	7236.7	6825.4	5756.8	1777.0	384.4	121.5	76.9	66.4	63.2	51.9	45.0
70°	6328.2	5871.9	4796.4	1397.1	367.6	120.1	64.6	56.0	51.0	43.7	38.2
72.5°	4605.8	4129.9	3405.2	1092.3	357.6	122.8	51.9	46.9	41.9	34.1	29.6
75°	2634.6	2322.9	1913.9	721.5	304.8	117.4	40.0	39.1	30.0	24.6	20.5
77.5°	1361.2	1319.8	1146.9	277.1	146.0	51.4	26.4	22.7	17.7	15.0	12.3
80°	587.3	581.0	502.7	80.1	38.7	28.7	15.0	9.6	8.2	6.4	5.0
82.5°	202.9	202.9	178.8	26.8	17.3	14.1	1.8	0.0	0.0	0.0	0.0
85°	40.9	45.9	32.3	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2
2.5°	2728.3	2673.2	2669.6	2635.0	2591.8	2572.2	2560.9	2580.9	2605.4	2608.2	2645.0
5°	2117.7	2060.0	2084.1	2022.7	2034.9	2022.7	2002.6	2006.3	2017.2	1983.1	2025.4
7.5°	1487.2	1443.5	1471.3	1454.9	1476.7	1485.4	1473.1	1454.9	1401.2	1394.8	1431.7
10°	1121.0	1071.4	1041.8	1010.9	1017.7	1031.8	1027.3	1014.1	979.9	981.8	1017.2
12.5°	900.8	845.3	786.6	710.6	692.0	702.4	692.0	684.2	651.5	654.2	685.6
15°	683.3	637.8	576.4	515.4	482.2	485.4	456.3	435.8	415.4	390.8	409.9
17.5°	461.3	433.6	415.4	397.2	357.6	348.5	311.6	272.1	256.6	245.2	253.4
20°	326.6	311.6	304.4	303.4	280.7	269.3	233.4	208.8	201.1	198.8	203.8
22.5°	273.0	262.0	251.6	245.7	234.3	221.1	193.8	181.5	176.1	173.3	177.0
25°	237.5	229.3	218.4	208.4	203.8	189.7	170.1	161.0	157.4	154.7	156.5
27.5°	211.1	203.8	191.1	184.7	181.1	168.8	151.9	144.7	141.5	140.6	140.1
30°	190.2	183.3	171.5	164.2	157.9	146.9	136.9	129.7	126.5	125.6	124.7
32.5°	169.2	163.8	156.0	148.8	141.9	131.9	123.3	117.4	112.4	111.5	111.0
35°	142.9	137.4	133.3	132.8	126.5	116.9	110.6	102.8	98.7	97.4	97.8
37.5°	126.9	119.6	110.6	113.7	111.9	105.1	96.4	88.7	84.6	83.7	83.7
40°	116.9	109.2	98.7	93.3	98.7	97.4	83.7	76.0	71.9	71.4	70.5
42.5°	107.4	99.6	87.8	78.7	81.4	85.5	72.3	65.1	61.0	60.1	58.7
45°	100.5	92.4	79.2	68.7	63.2	71.9	61.9	52.8	50.5	48.7	47.8
47.5°	94.2	86.4	71.4	59.6	50.5	51.9	49.6	43.2	40.5	38.7	38.2
50°	88.7	80.5	64.6	51.0	41.9	38.2	40.0	34.1	31.8	30.0	29.1
52.5°	82.3	74.6	57.3	44.1	35.0	30.0	30.5	26.8	24.6	23.2	22.7
55°	77.3	69.6	51.4	38.7	30.9	24.6	21.8	20.9	19.6	18.7	18.2
57.5°	70.5	63.2	45.5	32.8	26.4	20.0	16.8	16.8	16.4	15.5	15.0
59°	66.4	60.1	41.9	29.6	24.1	17.3	15.0	15.5	15.0	14.1	13.6
60°	63.2	57.3	39.1	27.3	22.7	15.9	13.6	14.6	14.1	13.2	12.7
62.5°	56.0	51.9	33.7	22.7	20.0	12.7	11.4	12.3	12.3	11.8	11.4
65°	49.1	44.6	28.7	19.1	18.7	10.9	9.1	10.9	11.4	10.5	9.6
67.5°	42.8	38.2	25.0	15.5	17.3	8.6	6.8	9.1	12.3	9.6	8.6
70°	36.4	31.8	19.6	12.3	18.2	5.9	5.5	8.2	14.6	10.5	8.2
72.5°	28.2	24.6	13.6	9.1	19.6	4.1	4.1	6.8	16.4	11.4	7.7
75°	19.6	15.9	8.2	5.5	15.9	2.7	2.7	6.4	15.5	10.5	7.3
77.5°	11.4	8.6	2.7	0.5	8.2	0.0	0.5	4.5	10.9	6.4	3.2
80°	4.1	1.8	0.0	0.0	5.0	0.0	0.0	0.0	0.9	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2
2.5°	2654.6	2716.0	2771.0	2854.3	2953.0	3066.7	3164.6	3269.6	3368.4	3409.3	3437.5
5°	2034.0	2110.0	2198.7	2321.1	2484.0	2684.6	2872.5	3084.9	3313.3	3427.5	3534.9
7.5°	1438.1	1515.4	1625.5	1755.6	1952.6	2191.4	2437.1	2730.5	3039.9	3220.5	3398.4
10°	1034.1	1129.2	1232.0	1409.9	1610.0	1836.6	2089.5	2417.1	2761.9	2962.1	3176.4
12.5°	703.8	812.1	967.7	1166.9	1402.1	1624.1	1843.9	2156.4	2556.8	2755.1	2984.9
15°	422.2	482.2	646.9	877.6	1166.0	1442.6	1683.3	1996.7	2423.5	2666.4	2905.2
17.5°	260.2	288.0	377.6	566.9	869.8	1219.7	1549.5	1942.6	2442.6	2738.3	2994.0
20°	207.5	218.4	247.0	334.8	576.4	974.0	1398.9	1931.7	2598.6	2962.6	3236.9
22.5°	180.2	190.6	209.7	243.4	362.6	729.3	1256.1	1941.7	2822.4	3298.8	3619.0
25°	158.8	167.9	186.1	213.8	265.7	513.6	1103.2	1986.3	3114.1	3715.9	4056.2
27.5°	141.9	149.7	166.5	192.0	227.9	358.5	929.9	2040.4	3459.8	4142.7	4478.4
30°	126.5	133.3	148.3	172.0	197.9	275.7	739.7	2077.3	3806.0	4478.4	4780.0
32.5°	113.3	118.3	131.9	151.9	172.0	219.7	562.3	2071.3	4063.1	4757.8	4997.0
35°	99.6	104.6	116.5	133.8	149.7	181.5	442.2	1960.8	4286.9	5047.5	5245.4
37.5°	84.6	91.0	102.4	117.8	128.7	159.7	357.6	1827.5	4513.9	5378.7	5522.5
40°	71.9	78.2	88.3	105.1	111.9	151.5	274.8	1665.1	4769.1	5749.1	5826.4
42.5°	59.6	65.5	76.0	90.5	105.5	130.6	203.4	1479.5	5014.3	6065.7	6103.5
45°	48.2	54.1	65.1	79.6	112.8	108.3	157.4	1280.7	5212.2	6329.1	6341.4
47.5°	38.2	43.7	55.0	75.1	105.1	86.4	112.4	1124.6	5378.3	6534.7	6502.4
50°	29.6	34.1	45.9	86.0	91.9	71.4	85.1	1072.7	5527.1	6662.1	6578.4
52.5°	23.2	27.3	37.8	80.5	71.4	59.1	71.4	1121.4	5730.9	6767.7	6621.2
55°	18.7	22.7	29.6	45.9	48.7	50.0	61.0	1166.9	6082.5	7015.2	6873.7
57.5°	15.5	19.6	24.1	32.3	36.9	42.3	54.1	1171.9	6497.0	7426.4	7292.7
59°	14.1	17.7	21.8	28.7	32.3	38.7	51.0	1144.6	6643.0	7576.1	7509.2
60°	13.2	16.8	20.5	26.4	30.0	36.4	49.1	1118.7	6649.4	7570.6	7601.6
62.5°	11.4	15.0	18.2	22.3	25.5	30.9	44.1	1022.7	6380.1	7322.7	7546.1
65°	10.0	13.2	16.4	19.1	21.8	27.8	40.0	847.6	5920.1	6922.8	7166.2
67.5°	9.1	11.4	15.0	16.8	19.6	24.6	35.5	604.2	5345.5	6433.7	6591.6
70°	8.2	10.9	13.6	15.5	17.7	21.4	30.5	347.1	4513.9	5717.7	5830.0
72.5°	7.7	10.5	12.3	14.6	15.9	19.1	27.8	163.3	3305.1	4580.3	4873.8
75°	6.8	9.6	11.4	13.6	15.0	17.3	23.7	78.2	2198.3	3314.7	3648.2
77.5°	4.1	7.7	10.5	12.3	13.2	15.0	19.6	45.0	1403.0	2294.3	2702.3
80°	0.0	2.7	7.7	10.5	11.4	12.7	15.0	35.5	750.6	1310.7	1573.2
82.5°	0.0	0.0	5.5	8.2	7.7	8.6	11.4	22.3	338.5	856.6	965.4
85°	0.0	0.0	1.8	6.4	5.5	4.1	7.7	7.7	74.2	433.6	540.9
87.5°	0.0	0.0	0.0	0.5	2.7	1.8	3.2	0.9	0.5	32.3	131.0
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2	3128.2
2.5°	3536.2	3569.9	3626.8	3653.6	3640.4	3584.5	3517.6	3449.3	3409.3	3425.2
5°	3753.7	3927.0	4027.1	4060.3	4004.8	3879.3	3715.0	3498.5	3421.6	3400.7
7.5°	3753.7	4079.9	4286.4	4322.8	4199.1	3953.0	3645.0	3307.0	3194.6	3153.6
10°	3621.8	4065.8	4353.8	4411.5	4238.7	3870.6	3458.0	3072.2	2938.9	2896.6
12.5°	3473.0	3951.1	4254.6	4334.2	4192.3	3788.7	3328.3	2913.4	2756.5	2719.6
15°	3381.6	3810.1	4061.2	4119.0	4059.0	3741.0	3297.4	2865.7	2681.0	2645.5
17.5°	3414.3	3700.9	3791.5	3825.1	3865.6	3724.1	3381.6	2970.3	2736.5	2702.8
20°	3537.6	3585.8	3539.0	3581.3	3690.5	3740.5	3582.2	3223.2	2942.5	2897.5
22.5°	3746.9	3526.2	3394.8	3411.6	3544.4	3794.6	3888.8	3584.5	3260.5	3204.1
25°	3990.7	3574.5	3314.7	3299.7	3436.2	3866.1	4169.1	3977.5	3636.8	3574.5
27.5°	4297.4	3682.7	3298.3	3283.3	3398.4	3932.9	4402.0	4366.0	4033.0	3926.6
30°	4533.9	3789.2	3347.0	3312.4	3436.2	3979.4	4589.0	4695.9	4348.8	4278.2
32.5°	4703.6	3914.7	3426.1	3376.1	3542.6	4059.4	4733.2	4998.0	4640.8	4533.9
35°	4832.8	4051.2	3554.0	3471.6	3689.1	4180.9	4868.3	5319.6	4951.6	4834.6
37.5°	4953.8	4242.8	3753.7	3655.4	3918.8	4376.5	5011.2	5684.5	5299.1	5159.5
40°	5122.6	4459.8	4061.7	3974.3	4305.1	4643.1	5189.5	6064.8	5694.5	5518.9
42.5°	5291.4	4692.7	4377.0	4400.6	4786.9	4967.0	5419.7	6467.0	6084.8	5897.4
45°	5445.6	4932.9	4826.0	4935.2	5234.1	5322.3	5648.5	6699.4	6396.4	6215.4
47.5°	5583.0	5233.2	5272.3	5563.0	5742.7	5644.0	5819.6	6900.1	6628.5	6468.8
50°	5742.7	5621.7	5860.5	6271.8	6328.2	5935.1	5975.2	7137.5	6899.6	6771.3
52.5°	5917.4	6031.1	6512.0	6874.6	6856.4	6251.3	6131.7	7403.7	7271.3	7150.7
55°	6115.7	6361.9	7085.7	7438.7	7423.2	6604.3	6391.0	7732.6	7737.1	7628.0
57.5°	6410.1	6646.7	7475.1	7895.0	7920.9	7012.0	6830.5	8101.1	8158.4	8085.6
59°	6621.2	6831.4	7629.3	8085.6	8191.2	7327.2	7151.6	8314.9	8277.2	8210.7
60°	6777.7	6948.7	7705.8	8185.3	8348.1	7541.1	7388.7	8440.5	8291.3	8210.7
62.5°	7164.8	7204.4	7843.6	8298.1	8528.7	8016.0	8055.6	8654.3	8193.4	8062.0
65°	7345.4	7365.9	7841.8	8096.1	8354.0	8385.9	8660.7	8660.7	7954.6	7752.6
67.5°	7269.9	7171.2	7452.8	7426.4	7683.9	8166.2	8888.1	8343.1	7497.8	7236.7
70°	6655.8	6275.9	6150.8	6162.1	6359.1	7103.0	8437.8	7408.7	6633.5	6328.2
72.5°	5538.0	4626.7	4317.8	4670.4	4721.8	5458.8	7190.8	5579.4	4892.0	4605.8
75°	4454.3	3261.5	2759.2	3131.3	3218.7	3994.8	5562.5	3474.8	2857.5	2634.6
77.5°	3200.0	2341.1	1979.9	1954.0	2066.8	2533.6	3947.0	1748.8	1458.5	1361.2
80°	1817.9	1540.9	1659.2	1565.4	1622.3	1584.1	1875.3	767.0	628.3	587.3
82.5°	1097.3	910.8	986.3	821.2	1039.1	904.9	722.4	245.7	213.4	202.9
85°	713.8	497.7	259.3	173.8	358.0	578.2	161.5	66.9	51.4	40.9
87.5°	246.1	126.9	12.7	5.5	38.2	107.8	5.9	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

(END OF REPORT)