

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: P324444

Luminaire Tested: **GAN-SA0B-730-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324444  
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-SA0B-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 800mA 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: 38184 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

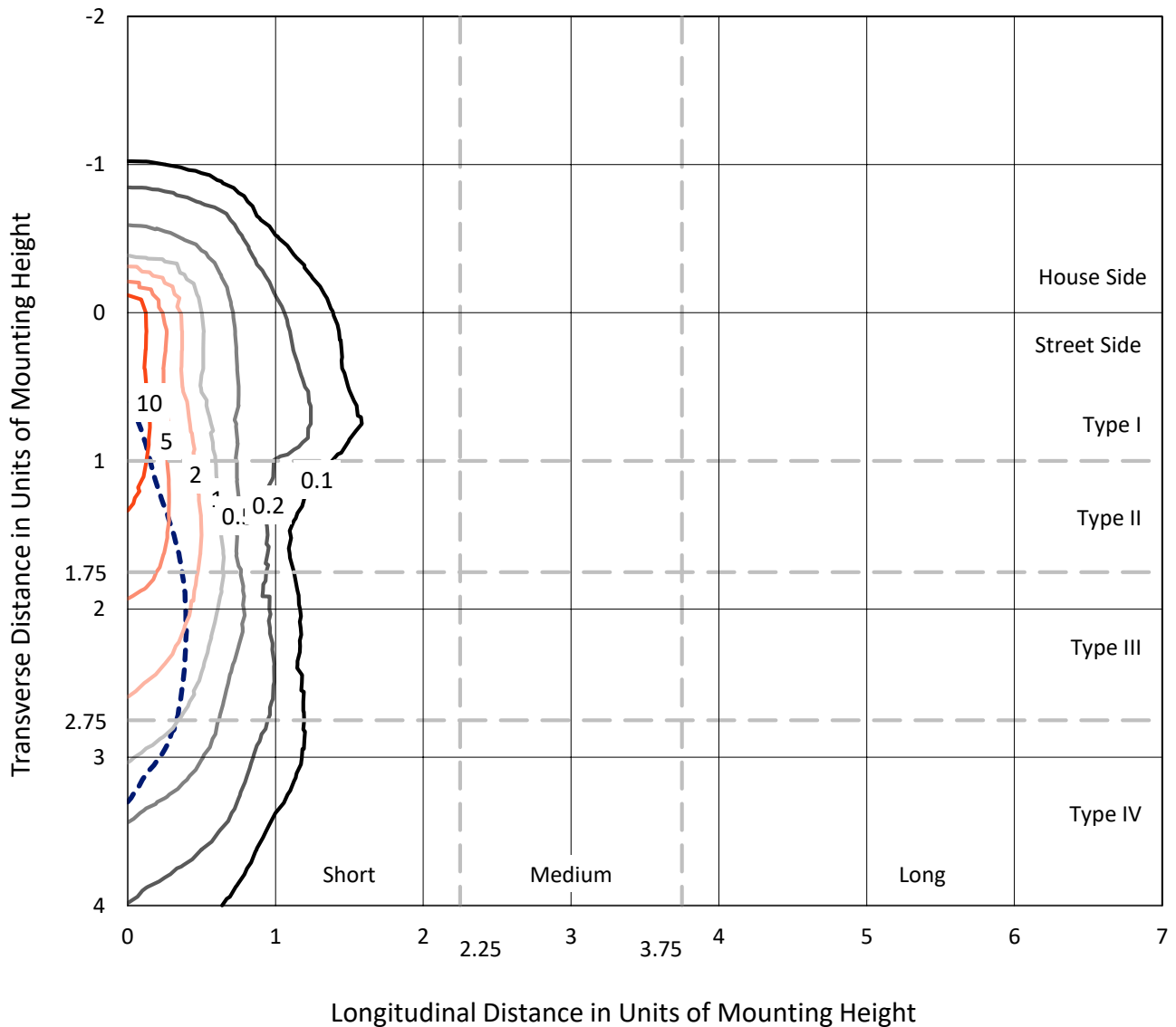
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

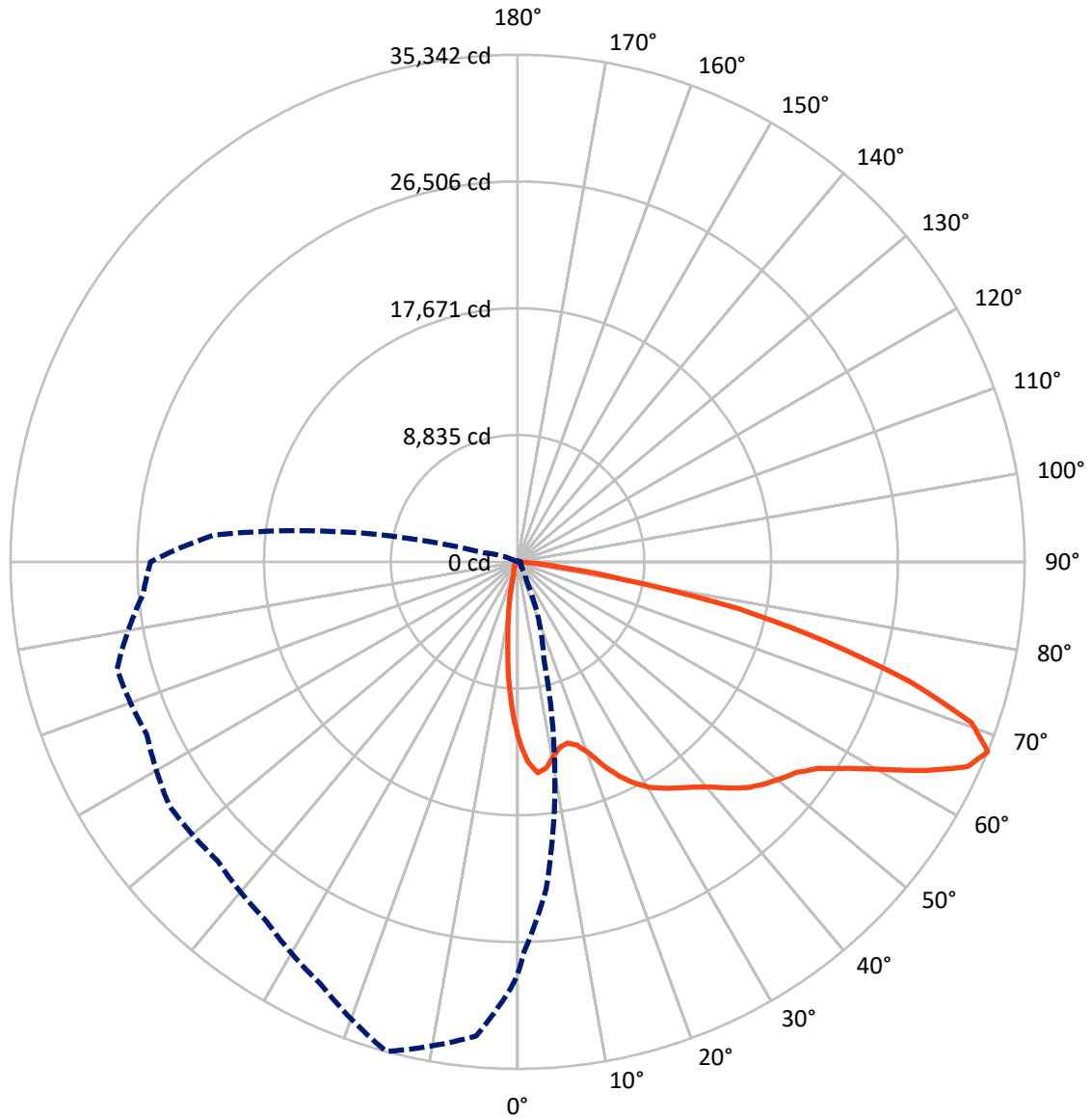
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 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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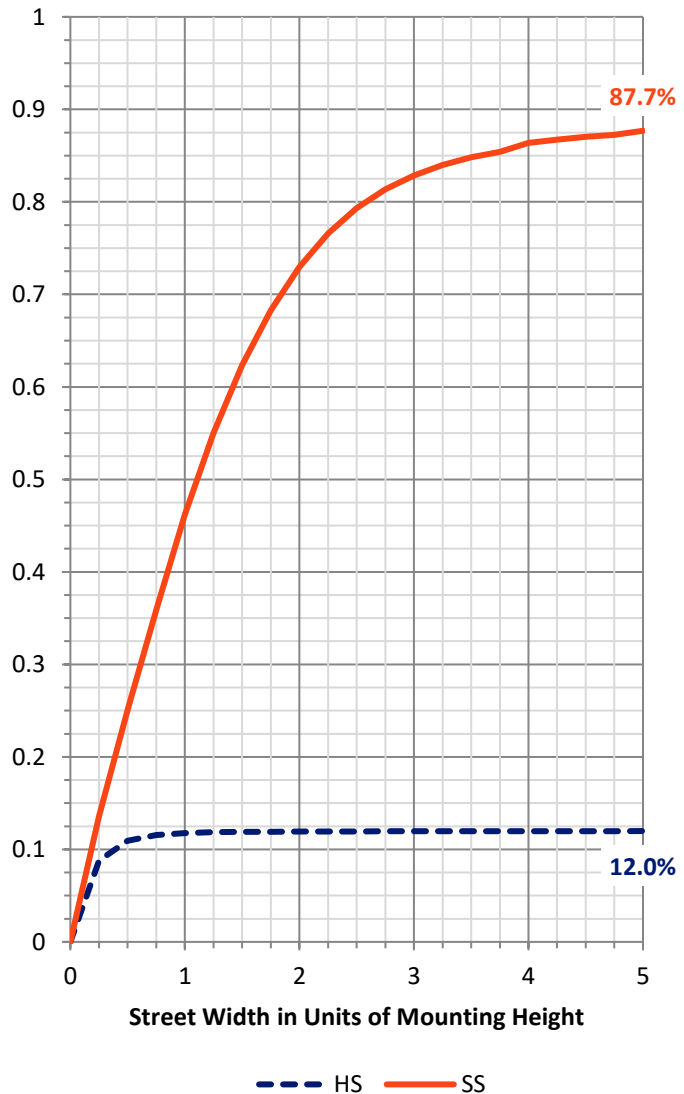
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4621.5	0.0	4621.5
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	33562.5	0.0	33562.5
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	38184.0	0.0	38184.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	954.6	2.5
10°-20°	1900.2	5.0
20°-30°	2698.3	7.1
30°-40°	3985.5	10.4
40°-50°	5747.9	15.1
50°-60°	8068.9	21.1
60°-70°	9406.0	24.6
70°-80°	4808.5	12.6
80°-90°	614.1	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°	38184.0	100.0
0°-180°	38184.0	100.0

**Coefficient of Utilization**

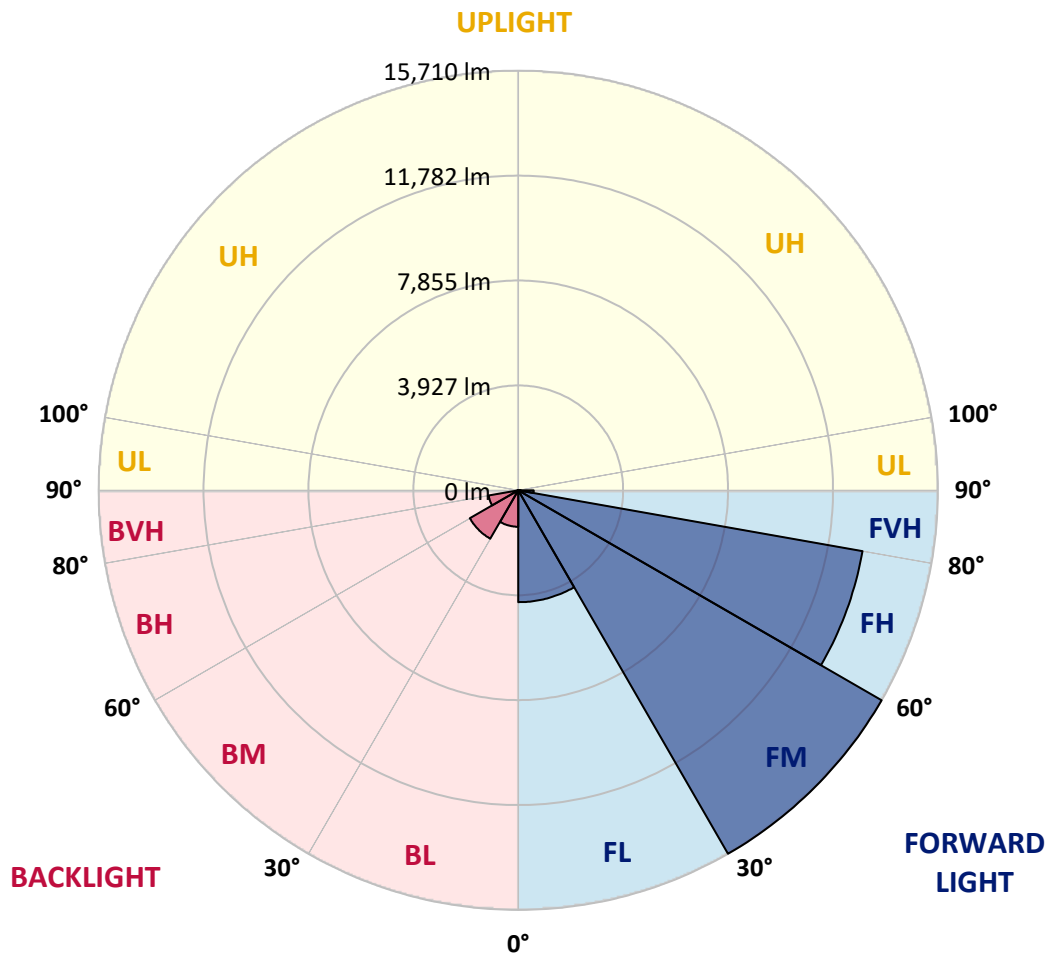


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4188.0	11.0			
FM (30°-60°)	15709.5	41.1			
FH (60°-80°)	13088.1	34.3			G5
FVH (80°-90°)	576.8	1.5			G4/750
BL (0°-30°)	1365.0	3.6	B3/2500		
BM (30°-60°)	2092.8	5.5	B2/2500		
BH (60°-80°)	1126.4	2.9	B3/2500		G3/2500
BVH (80°-90°)	37.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4
2.5°	13619.6	13514.7	13398.9	13020.9	12669.9	12268.3	11940.9	11713.0	11427.2	11056.3	10962.3
5°	13521.9	13409.8	13046.2	12205.0	11468.8	10752.4	10061.4	9656.2	9153.3	8643.2	8516.6
7.5°	12539.7	12422.1	11897.5	10745.2	9753.9	8719.2	7821.9	7266.6	6698.6	6231.8	5984.0
10°	11517.6	11389.2	10799.5	9401.1	8180.1	7244.9	6586.4	6056.4	5519.1	5019.8	4621.9
12.5°	10813.9	10645.7	10005.3	8420.7	7357.0	6722.1	6107.0	5472.1	4744.9	4209.4	3771.7
15°	10519.1	10327.3	9650.8	8042.6	7065.8	6320.5	5519.1	4739.5	3887.4	3274.2	2872.6
17.5°	10747.0	10497.4	9772.0	8017.3	6700.4	5685.5	4672.5	3757.2	2832.8	2212.4	1926.5
20°	11521.2	11193.8	10273.0	8010.0	6257.2	4931.2	3646.9	2612.1	1866.8	1501.4	1351.3
22.5°	12740.5	12308.1	10993.0	8067.9	5799.5	4138.9	2633.8	1774.6	1401.9	1212.0	1123.4
25°	14213.0	13711.9	12029.5	8272.3	5397.9	3368.3	1913.9	1401.9	1183.1	1043.8	969.6
27.5°	15613.1	15206.1	13339.2	8567.2	5086.8	2746.0	1553.9	1188.5	1011.2	918.9	859.3
30°	17011.4	16499.5	14683.3	8918.1	4712.3	2324.5	1365.8	1083.6	906.3	808.6	770.6
32.5°	18028.0	17602.9	15736.1	9171.4	4312.5	2049.5	1221.0	991.3	846.6	747.1	691.0
35°	19223.8	18742.6	16638.8	9227.5	4055.7	1875.9	1098.0	891.8	734.4	645.8	586.1
37.5°	20515.3	19916.6	17680.7	9104.5	3854.9	1790.9	1005.8	846.6	685.6	595.1	531.8
40°	21944.4	21267.9	18681.1	8927.2	3657.7	1761.9	935.2	812.2	647.6	555.3	490.2
42.5°	23449.5	22651.7	19547.6	8740.9	3532.9	1662.4	928.0	777.9	618.7	519.2	454.0
45°	24713.9	23905.3	20437.6	8679.4	3444.2	1553.9	958.7	754.3	598.8	490.2	426.9
47.5°	25721.5	24956.3	21349.3	8816.8	3393.6	1454.4	873.7	785.1	587.9	464.9	403.4
50°	26924.5	26058.0	22633.6	9227.5	3319.4	1354.9	790.5	899.1	587.9	448.6	383.5
52.5°	28433.1	27575.7	24066.3	9864.2	3171.1	1217.4	710.9	900.9	593.3	426.9	358.2
55°	30330.7	29708.5	26112.2	10562.5	2934.1	1014.8	615.0	774.2	571.6	387.1	334.7
57.5°	32150.5	31642.2	27977.3	11040.0	2617.6	792.3	535.5	624.1	522.8	340.1	298.5
59°	32648.0	32092.7	28661.1	11061.8	2380.6	691.0	495.7	515.6	511.9	318.4	276.8
60°	32648.0	32058.3	28858.2	10946.0	2208.7	634.9	470.3	459.5	533.6	303.9	264.1
62.5°	32056.5	31228.0	28217.9	10162.7	1801.7	540.9	410.6	379.9	479.4	273.2	233.4
65°	30826.4	29619.8	26036.3	8746.3	1606.4	495.7	354.6	311.1	332.8	240.6	204.4
67.5°	28775.0	27139.7	22890.5	7065.8	1528.6	483.0	305.7	264.1	251.4	206.2	179.1
70°	25162.5	23348.2	19071.8	5555.3	1461.6	477.6	256.9	222.5	202.6	173.7	152.0
72.5°	18313.8	16421.7	13540.0	4343.3	1421.8	488.4	206.2	186.3	166.4	135.7	117.6
75°	10475.7	9236.5	7610.3	2869.0	1212.0	466.7	159.2	155.6	119.4	97.7	81.4
77.5°	5412.4	5247.8	4560.4	1101.7	580.7	204.4	104.9	90.4	70.5	59.7	48.8
80°	2335.4	2310.0	1998.9	318.4	153.8	114.0	59.7	38.0	32.6	25.3	19.9
82.5°	806.8	806.8	710.9	106.7	68.7	56.1	7.2	0.0	0.0	0.0	0.0
85°	162.8	182.7	128.4	0.0	23.5	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°	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4
2.5°	10848.3	10629.4	10614.9	10477.5	10305.6	10227.8	10182.6	10262.2	10359.9	10370.7	10517.3
5°	8420.7	8190.9	8286.8	8042.6	8091.5	8042.6	7963.0	7977.5	8020.9	7885.2	8053.5
7.5°	5913.5	5739.8	5850.2	5785.0	5871.9	5906.2	5857.4	5785.0	5571.6	5546.3	5692.8
10°	4457.3	4260.1	4142.5	4019.5	4046.6	4102.7	4084.6	4032.2	3896.5	3903.7	4044.8
12.5°	3581.7	3361.0	3127.7	2825.6	2751.4	2793.0	2751.4	2720.7	2590.4	2601.3	2726.1
15°	2717.0	2536.2	2291.9	2049.5	1917.5	1930.2	1814.4	1733.0	1651.6	1553.9	1629.9
17.5°	1834.3	1723.9	1651.6	1579.2	1421.8	1385.7	1239.1	1081.8	1020.3	975.0	1007.6
20°	1298.8	1239.1	1210.2	1206.6	1116.1	1070.9	928.0	830.3	799.6	790.5	810.4
22.5°	1085.4	1042.0	1000.4	976.8	931.6	879.2	770.6	721.8	700.1	689.2	703.7
25°	944.3	911.7	868.3	828.5	810.4	754.3	676.5	640.4	625.9	615.0	622.3
27.5°	839.4	810.4	759.8	734.4	720.0	671.1	604.2	575.2	562.6	559.0	557.2
30°	756.1	729.0	682.0	653.0	627.7	584.3	544.5	515.6	502.9	499.3	495.7
32.5°	672.9	651.2	620.5	591.5	564.4	524.6	490.2	466.7	446.8	443.2	441.4
35°	568.0	546.3	530.0	528.2	502.9	464.9	439.6	408.8	392.5	387.1	388.9
37.5°	504.7	475.8	439.6	452.2	445.0	417.9	383.5	352.7	336.5	332.8	332.8
40°	464.9	434.1	392.5	370.8	392.5	387.1	332.8	302.1	285.8	284.0	280.4
42.5°	426.9	396.2	349.1	312.9	323.8	340.1	287.6	258.7	242.4	238.8	233.4
45°	399.8	367.2	314.8	273.2	251.4	285.8	246.0	209.8	200.8	193.6	189.9
47.5°	374.5	343.7	284.0	237.0	200.8	206.2	197.2	171.9	161.0	153.8	152.0
50°	352.7	320.2	256.9	202.6	166.4	152.0	159.2	135.7	126.6	119.4	115.8
52.5°	327.4	296.7	227.9	175.5	139.3	119.4	121.2	106.7	97.7	92.3	90.4
55°	307.5	276.8	204.4	153.8	123.0	97.7	86.8	83.2	77.8	74.2	72.4
57.5°	280.4	251.4	180.9	130.2	104.9	79.6	66.9	66.9	65.1	61.5	59.7
59°	264.1	238.8	166.4	117.6	95.9	68.7	59.7	61.5	59.7	56.1	54.3
60°	251.4	227.9	155.6	108.5	90.4	63.3	54.3	57.9	56.1	52.5	50.7
62.5°	222.5	206.2	133.9	90.4	79.6	50.7	45.2	48.8	48.8	47.0	45.2
65°	195.4	177.3	114.0	76.0	74.2	43.4	36.2	43.4	45.2	41.6	38.0
67.5°	170.0	152.0	99.5	61.5	68.7	34.4	27.1	36.2	48.8	38.0	34.4
70°	144.7	126.6	77.8	48.8	72.4	23.5	21.7	32.6	57.9	41.6	32.6
72.5°	112.2	97.7	54.3	36.2	77.8	16.3	16.3	27.1	65.1	45.2	30.8
75°	77.8	63.3	32.6	21.7	63.3	10.9	10.9	25.3	61.5	41.6	28.9
77.5°	45.2	34.4	10.9	1.8	32.6	0.0	1.8	18.1	43.4	25.3	12.7
80°	16.3	7.2	0.0	0.0	19.9	0.0	0.0	0.0	3.6	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°	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4
2.5°	10555.2	10799.5	11018.3	11349.4	11741.9	12194.2	12583.1	13001.0	13393.5	13556.3	13668.5
5°	8087.8	8389.9	8742.7	9229.3	9876.9	10674.6	11421.7	12266.5	13174.6	13628.7	14055.6
7.5°	5718.1	6025.6	6463.4	6980.8	7764.0	8713.7	9690.6	10857.3	12087.4	12805.6	13512.9
10°	4111.8	4489.8	4898.6	5605.9	6401.9	7302.7	8308.5	9611.0	10982.2	11778.1	12630.1
12.5°	2798.5	3229.0	3847.6	4640.0	5575.2	6458.0	7331.7	8574.4	10166.3	10955.0	11868.5
15°	1678.7	1917.5	2572.3	3489.5	4636.3	5736.2	6693.1	7939.5	9636.3	10602.3	11552.0
17.5°	1034.7	1145.1	1501.4	2254.0	3458.7	4849.8	6161.3	7724.2	9712.3	10888.1	11904.7
20°	824.9	868.3	982.3	1331.4	2291.9	3873.0	5562.5	7680.8	10332.7	11779.9	12870.7
22.5°	716.3	758.0	833.9	967.8	1441.7	2899.8	4994.5	7720.6	11222.8	13116.7	14390.2
25°	631.3	667.5	739.9	850.2	1056.4	2042.3	4386.7	7897.9	12382.3	14775.5	16128.6
27.5°	564.4	595.1	662.1	763.4	906.3	1425.5	3697.5	8113.2	13757.1	16472.3	17807.3
30°	502.9	530.0	589.7	683.8	786.9	1096.2	2941.4	8259.7	15133.7	17807.3	19006.7
32.5°	450.4	470.3	524.6	604.2	683.8	873.7	2235.9	8236.2	16155.8	18918.0	19869.5
35°	396.2	416.1	463.1	531.8	595.1	721.8	1758.3	7796.6	17045.8	20070.3	20857.2
37.5°	336.5	361.8	407.0	468.5	511.9	634.9	1421.8	7266.6	17948.4	21387.3	21958.9
40°	285.8	311.1	350.9	417.9	445.0	602.4	1092.6	6620.8	18963.3	22859.8	23167.3
42.5°	237.0	260.5	302.1	360.0	419.7	519.2	808.6	5882.7	19938.3	24118.8	24268.9
45°	191.7	215.3	258.7	316.6	448.6	430.5	625.9	5092.2	20725.2	25166.2	25215.0
47.5°	152.0	173.7	218.9	298.5	417.9	343.7	446.8	4471.7	21385.5	25983.8	25855.4
50°	117.6	135.7	182.7	341.9	365.4	284.0	338.3	4265.5	21977.0	26490.3	26157.5
52.5°	92.3	108.5	150.1	320.2	284.0	235.2	284.0	4459.1	22787.4	26910.0	26327.5
55°	74.2	90.4	117.6	182.7	193.6	199.0	242.4	4640.0	24185.7	27894.1	27331.5
57.5°	61.5	77.8	95.9	128.4	146.5	168.2	215.3	4659.9	25833.7	29529.4	28997.5
59°	56.1	70.5	86.8	114.0	128.4	153.8	202.6	4551.3	26414.3	30124.5	29858.6
60°	52.5	66.9	81.4	104.9	119.4	144.7	195.4	4448.2	26439.7	30102.8	30225.8
62.5°	45.2	59.7	72.4	88.6	101.3	123.0	175.5	4066.5	25368.8	29116.9	30005.1
65°	39.8	52.5	65.1	76.0	86.8	110.3	159.2	3370.1	23539.9	27526.9	28494.6
67.5°	36.2	45.2	59.7	66.9	77.8	97.7	141.1	2402.3	21255.2	25582.2	26209.9
70°	32.6	43.4	54.3	61.5	70.5	85.0	121.2	1380.2	17948.4	22734.9	23181.7
72.5°	30.8	41.6	48.8	57.9	63.3	76.0	110.3	649.4	13142.1	18212.5	19379.3
75°	27.1	38.0	45.2	54.3	59.7	68.7	94.1	311.1	8740.9	13180.0	14506.0
77.5°	16.3	30.8	41.6	48.8	52.5	59.7	77.8	179.1	5578.8	9122.6	10745.2
80°	0.0	10.9	30.8	41.6	45.2	50.7	59.7	141.1	2984.8	5211.6	6255.4
82.5°	0.0	0.0	21.7	32.6	30.8	34.4	45.2	88.6	1345.9	3406.3	3838.6
85°	0.0	0.0	7.2	25.3	21.7	16.3	30.8	30.8	294.9	1723.9	2150.8
87.5°	0.0	0.0	0.0	1.8	10.9	7.2	12.7	3.6	1.8	128.4	521.0
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°	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4	12438.4
2.5°	14061.0	14194.9	14421.0	14527.7	14475.2	14252.7	13986.8	13715.5	13556.3	13619.6
5°	14925.7	15614.9	16012.9	16144.9	15924.2	15425.0	14771.9	13910.9	13605.1	13521.9
7.5°	14925.7	16222.7	17044.0	17188.7	16696.6	15718.0	14493.3	13149.3	12702.5	12539.7
10°	14401.1	16166.6	17311.7	17541.4	16854.0	15390.6	13749.9	12215.9	11685.8	11517.6
12.5°	13809.6	15710.8	16917.3	17233.9	16669.5	15065.0	13234.3	11584.5	10960.5	10813.9
15°	13446.0	15150.0	16148.5	16378.3	16139.5	14875.0	13111.3	11394.6	10660.2	10519.1
17.5°	13576.2	14715.8	15075.8	15209.7	15370.7	14808.1	13446.0	11810.7	10880.9	10747.0
20°	14066.4	14258.2	14071.9	14240.1	14674.2	14873.2	14243.7	12816.4	11700.3	11521.2
22.5°	14898.5	14021.2	13498.4	13565.3	14093.6	15088.5	15462.9	14252.7	12964.8	12740.5
25°	15868.1	14213.0	13180.0	13120.3	13663.0	15372.5	16577.3	15815.7	14460.8	14213.0
27.5°	17087.4	14643.5	13114.9	13055.2	13512.9	15638.4	17503.4	17360.5	16036.4	15613.1
30°	18028.0	15066.8	13308.5	13171.0	13663.0	15822.9	18246.9	18672.0	17291.8	17011.4
32.5°	18702.8	15566.0	13623.2	13424.2	14086.3	16141.3	18820.4	19873.2	18453.1	18028.0
35°	19216.5	16108.7	14131.5	13804.1	14668.8	16624.3	19357.6	21152.1	19688.7	19223.8
37.5°	19697.7	16870.3	14925.7	14534.9	15582.3	17402.1	19925.6	22602.9	21070.7	20515.3
40°	20368.8	17733.2	16150.3	15803.0	17118.1	18462.2	20634.7	24115.2	22642.7	21944.4
42.5°	21039.9	18659.4	17403.9	17498.0	19033.8	19750.2	21550.1	25714.3	24194.8	23449.5
45°	21653.2	19614.5	19189.4	19623.5	20812.0	21163.0	22460.0	26638.7	25433.9	24713.9
47.5°	22199.5	20808.4	20964.0	22119.9	22834.4	22441.9	23140.1	27436.4	26356.5	25721.5
50°	22834.4	22353.2	23302.9	24938.2	25162.5	23599.6	23758.8	28380.7	27434.6	26924.5
52.5°	23529.1	23981.3	25893.4	27335.1	27262.7	24856.8	24381.1	29438.9	28912.5	28433.1
55°	24317.8	25296.4	28174.5	29578.2	29516.7	26260.6	25412.2	30746.8	30764.9	30330.7
57.5°	25488.2	26428.8	29722.9	31392.6	31495.7	27881.4	27159.6	32212.0	32440.0	32150.5
59°	26327.5	27163.3	30336.2	32150.5	32570.2	29135.0	28436.8	33062.3	32912.1	32648.0
60°	26949.8	27630.0	30640.1	32546.7	33194.3	29985.2	29379.2	33561.5	32968.2	32648.0
62.5°	28489.2	28646.6	31188.2	32995.3	33912.5	31873.8	32031.1	34411.7	32579.3	32056.5
65°	29207.4	29288.8	31180.9	32192.1	33217.8	33344.4	34437.1	34437.1	31629.6	30826.4
67.5°	28907.1	28514.5	29634.3	29529.4	30553.2	32470.7	35341.5	33174.4	29813.4	28775.0
70°	26465.0	24954.5	24457.1	24502.3	25285.6	28243.2	33550.7	29458.8	26376.4	25162.5
72.5°	22020.4	18397.1	17168.8	18570.7	18775.1	21705.6	28592.3	22185.0	19451.7	18313.8
75°	17711.5	12968.4	10971.3	12451.0	12798.3	15884.4	22118.1	13816.8	11362.0	10475.7
77.5°	12724.2	9308.9	7872.6	7769.5	8218.1	10074.1	15694.5	6953.6	5799.5	5412.4
80°	7228.6	6126.9	6597.3	6224.6	6450.7	6298.8	7456.5	3049.9	2498.2	2335.4
82.5°	4363.2	3621.5	3921.8	3265.2	4131.7	3598.0	2872.6	976.8	848.4	806.8
85°	2838.2	1979.0	1031.1	691.0	1423.6	2299.2	642.2	265.9	204.4	162.8
87.5°	978.6	504.7	50.7	21.7	152.0	428.7	23.5	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)