

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: P324494

Luminaire Tested: **GAN-SA0C-740-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324494  
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-SA0C-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 1050mA 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: 51896 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

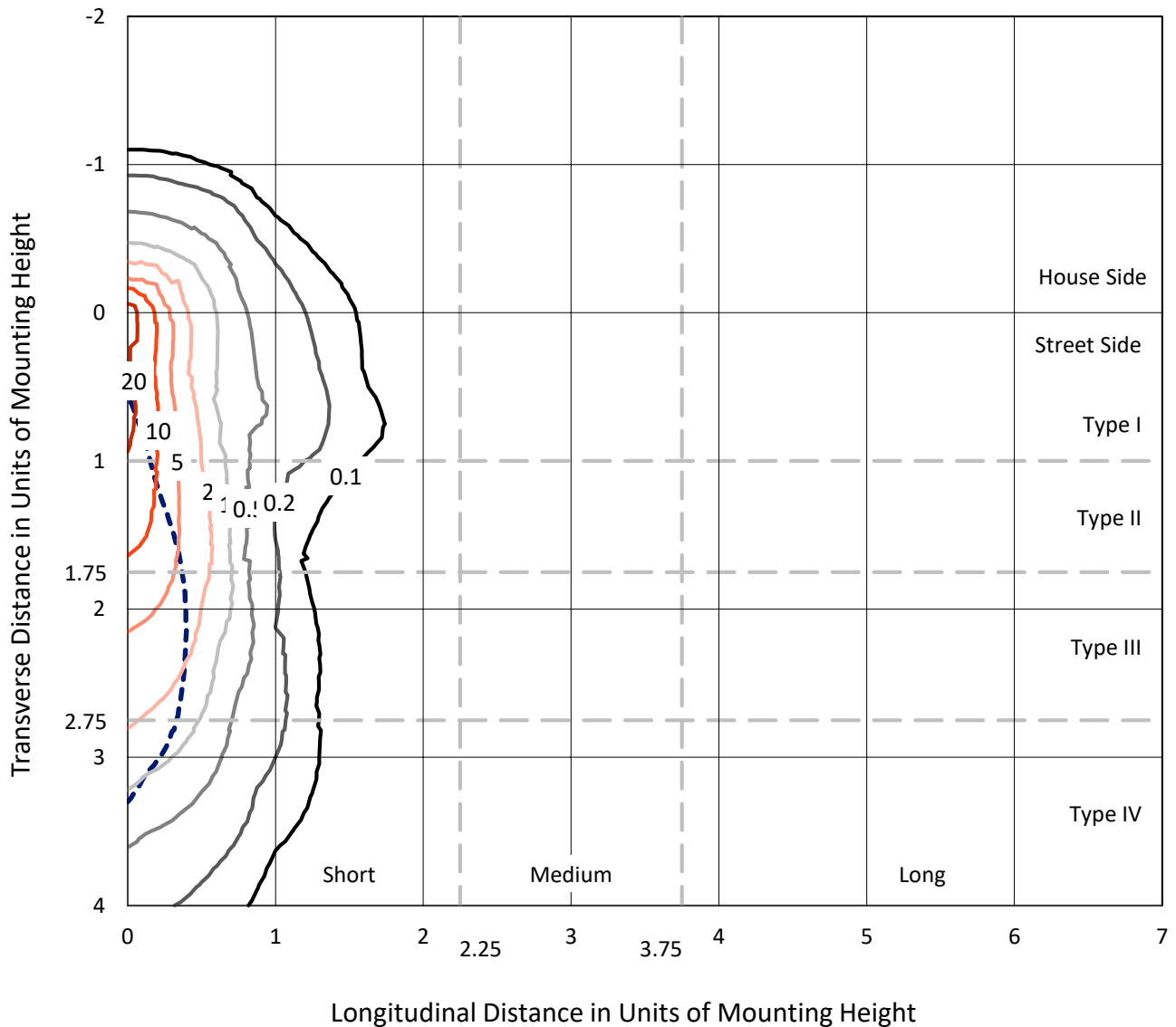
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

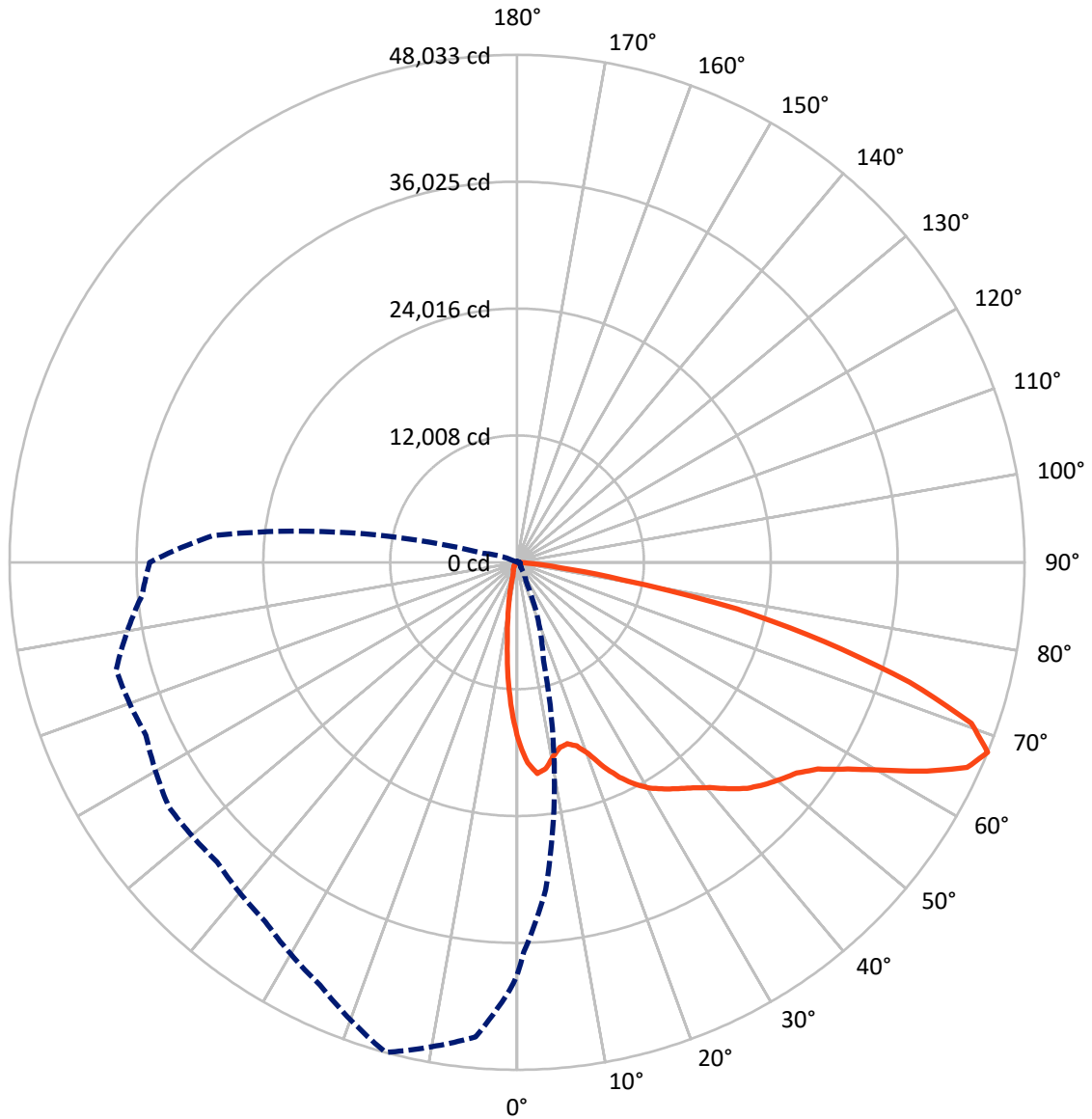
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27 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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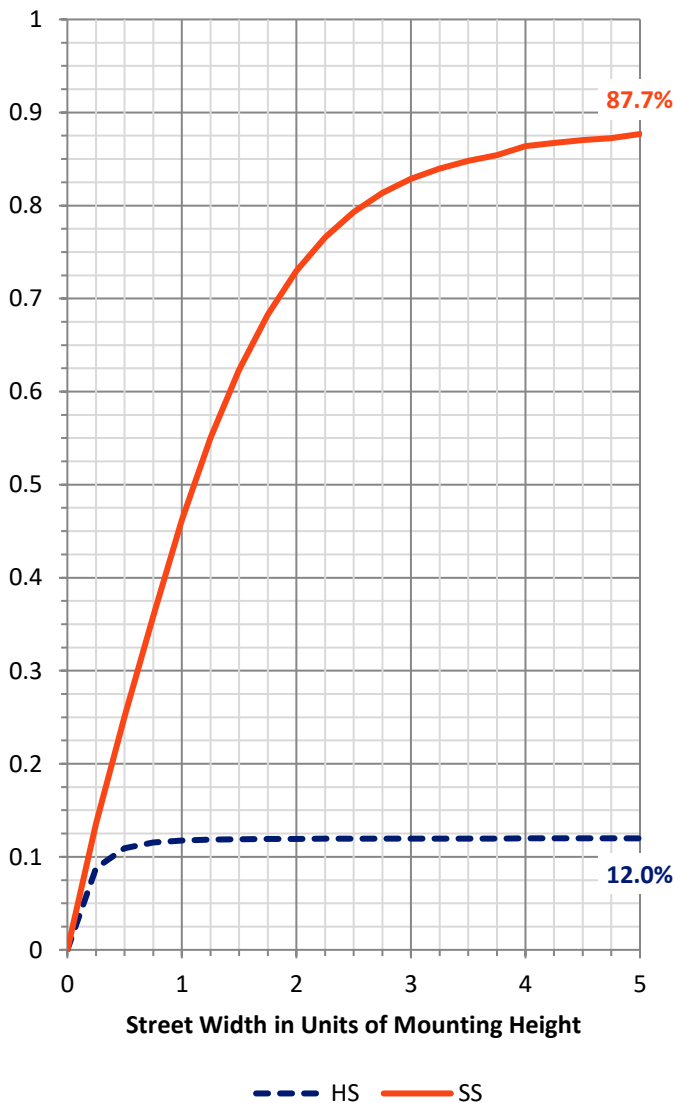
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6281.1	0.0	6281.1
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	45614.9	0.0	45614.9
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	51896.0	0.0	51896.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1297.4	2.5
10°-20°	2582.5	5.0
20°-30°	3667.2	7.1
30°-40°	5416.7	10.4
40°-50°	7812.0	15.1
50°-60°	10966.4	21.1
60°-70°	12783.7	24.6
70°-80°	6535.3	12.6
80°-90°	834.6	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°	51896.0	100.0
0°-180°	51896.0	100.0

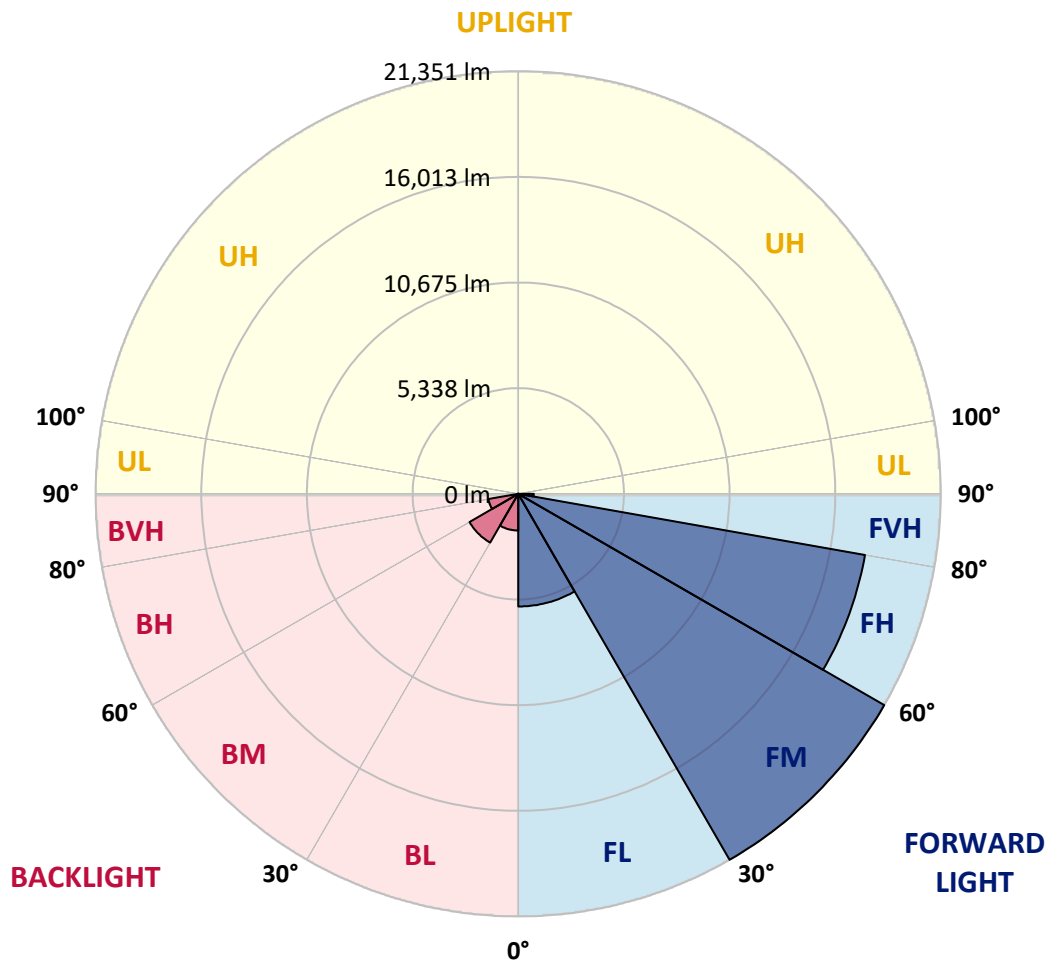


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5692.0	11.0			
FM (30°-60°)	21350.9	41.1			
FH (60°-80°)	17788.1	34.3			G5
FVH (80°-90°)	783.9	1.5			G5
BL (0°-30°)	1855.2	3.6	B3/2500		
BM (30°-60°)	2844.3	5.5	B3/5000		
BH (60°-80°)	1530.9	2.9	B3/2500		G3/2500
BVH (80°-90°)	50.7	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°	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0
2.5°	18510.5	18367.9	18210.5	17696.7	17219.7	16673.9	16228.9	15919.1	15530.7	15026.7	14898.8
5°	18377.7	18225.3	17731.1	16587.9	15587.2	14613.7	13674.5	13123.8	12440.3	11747.0	11574.9
7.5°	17042.7	16882.9	16169.9	14603.8	13256.5	11850.2	10630.8	9876.0	9104.0	8469.7	8132.9
10°	15653.6	15479.1	14677.6	12777.1	11117.6	9846.5	8951.6	8231.2	7501.1	6822.5	6281.6
12.5°	14697.2	14468.6	13598.3	11444.6	9998.9	9136.0	8300.1	7437.1	6448.8	5721.1	5126.1
15°	14296.5	14035.9	13116.4	10930.7	9603.1	8590.2	7501.1	6441.4	5283.4	4450.0	3904.2
17.5°	14606.3	14267.0	13281.1	10896.3	9106.5	7727.2	6350.4	5106.4	3850.1	3006.8	2618.4
20°	15658.5	15213.5	13962.1	10886.5	8504.1	6702.0	4956.4	3550.2	2537.2	2040.6	1836.5
22.5°	17315.6	16728.0	14940.6	10965.2	7882.1	5625.2	3579.7	2411.8	1905.4	1647.2	1526.8
25°	19316.9	18635.8	16349.4	11243.0	7336.3	4577.8	2601.2	1905.4	1607.9	1418.6	1317.8
27.5°	21219.8	20666.6	18129.4	11643.7	6913.5	3732.1	2111.9	1615.3	1374.3	1248.9	1167.8
30°	23120.3	22424.5	19956.1	12120.7	6404.5	3159.2	1856.2	1472.7	1231.7	1099.0	1047.3
32.5°	24502.0	23924.2	21387.0	12464.9	5861.2	2785.5	1659.5	1347.3	1150.6	1015.4	939.2
35°	26127.1	25473.1	22613.8	12541.1	5512.1	2549.5	1492.3	1212.1	998.2	877.7	796.6
37.5°	27882.5	27068.7	24029.9	12373.9	5239.2	2434.0	1367.0	1150.6	931.8	808.9	722.8
40°	29824.7	28905.2	25389.5	12133.0	4971.2	2394.6	1271.1	1103.9	880.2	754.8	666.3
42.5°	31870.3	30786.0	26567.1	11879.7	4801.6	2259.4	1261.2	1057.2	840.8	705.6	617.1
45°	33588.8	32489.8	27776.8	11796.1	4681.1	2111.9	1303.0	1025.2	813.8	666.3	580.2
47.5°	34958.2	33918.2	29015.9	11983.0	4612.2	1976.7	1187.5	1067.0	799.0	631.8	548.3
50°	36593.1	35415.5	30761.4	12541.1	4511.4	1841.5	1074.4	1221.9	799.0	609.7	521.2
52.5°	38643.6	37478.2	32708.6	13406.5	4309.8	1654.6	966.2	1224.4	806.4	580.2	486.8
55°	41222.6	40376.9	35489.2	14355.5	3987.8	1379.2	835.9	1052.3	776.9	526.1	454.8
57.5°	43695.9	43005.0	38024.0	15004.6	3557.5	1076.8	727.7	848.2	710.5	462.2	405.7
59°	44372.0	43617.2	38953.3	15034.1	3235.5	939.2	673.6	700.7	695.8	432.7	376.2
60°	44372.0	43570.5	39221.3	14876.7	3001.9	863.0	639.2	624.5	725.3	413.0	358.9
62.5°	43568.1	42442.0	38351.0	13812.2	2448.7	735.1	558.1	516.3	651.5	371.2	317.2
65°	41896.2	40256.4	35386.0	11887.1	2183.2	673.6	481.9	422.9	452.4	327.0	277.8
67.5°	39108.2	36885.7	31110.6	9603.1	2077.5	656.4	415.5	358.9	341.7	280.3	243.4
70°	34198.5	31732.6	25920.5	7550.2	1986.5	649.1	349.1	302.4	275.4	236.0	206.5
72.5°	24890.4	22318.8	18402.3	5903.0	1932.4	663.8	280.3	253.2	226.2	184.4	159.8
75°	14237.5	12553.4	10343.1	3899.3	1647.2	634.3	216.4	211.4	162.3	132.8	110.6
77.5°	7356.0	7132.3	6198.0	1497.3	789.2	277.8	142.6	122.9	95.9	81.1	66.4
80°	3174.0	3139.6	2716.7	432.7	209.0	154.9	81.1	51.6	44.3	34.4	27.0
82.5°	1096.5	1096.5	966.2	145.1	93.4	76.2	9.8	0.0	0.0	0.0	0.0
85°	221.3	248.3	174.6	0.0	32.0	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0
2.5°	14744.0	14446.5	14426.8	14240.0	14006.4	13900.7	13839.2	13947.4	14080.1	14094.9	14294.0
5°	11444.6	11132.3	11262.6	10930.7	10997.1	10930.7	10822.6	10842.2	10901.2	10716.8	10945.5
7.5°	8037.0	7801.0	7951.0	7862.5	7980.5	8027.2	7960.8	7862.5	7572.4	7537.9	7737.1
10°	6057.9	5789.9	5630.1	5462.9	5499.8	5576.0	5551.4	5480.1	5295.7	5305.6	5497.3
12.5°	4867.9	4568.0	4250.8	3840.3	3739.5	3796.0	3739.5	3697.7	3520.7	3535.4	3705.0
15°	3692.7	3446.9	3115.0	2785.5	2606.1	2623.3	2465.9	2355.3	2244.7	2111.9	2215.2
17.5°	2493.0	2343.0	2244.7	2146.3	1932.4	1883.3	1684.1	1470.2	1386.6	1325.2	1369.4
20°	1765.2	1684.1	1644.8	1639.9	1516.9	1455.5	1261.2	1128.5	1086.7	1074.4	1101.4
22.5°	1475.1	1416.1	1359.6	1327.6	1266.2	1194.9	1047.3	981.0	951.5	936.7	956.4
25°	1283.4	1239.1	1180.1	1126.0	1101.4	1025.2	919.5	870.3	850.7	835.9	845.7
27.5°	1140.8	1101.4	1032.6	998.2	978.5	912.1	821.2	781.8	764.6	759.7	757.2
30°	1027.7	990.8	926.9	887.5	853.1	794.1	740.0	700.7	683.5	678.6	673.6
32.5°	914.6	885.1	843.3	803.9	767.1	713.0	666.3	634.3	607.3	602.3	599.9
35°	772.0	742.5	720.4	717.9	683.5	631.8	597.4	555.6	533.5	526.1	528.6
37.5°	685.9	646.6	597.4	614.6	604.8	567.9	521.2	479.4	457.3	452.4	452.4
40°	631.8	590.1	533.5	504.0	533.5	526.1	452.4	410.6	388.5	386.0	381.1
42.5°	580.2	538.4	474.5	425.3	440.1	462.2	390.9	351.6	329.4	324.5	317.2
45°	543.3	499.1	427.8	371.2	341.7	388.5	334.4	285.2	272.9	263.1	258.1
47.5°	508.9	467.1	386.0	322.1	272.9	280.3	268.0	233.6	218.8	209.0	206.5
50°	479.4	435.2	349.1	275.4	226.2	206.5	216.4	184.4	172.1	162.3	157.3
52.5°	445.0	403.2	309.8	238.5	189.3	162.3	164.7	145.1	132.8	125.4	122.9
55°	418.0	376.2	277.8	209.0	167.2	132.8	118.0	113.1	105.7	100.8	98.3
57.5°	381.1	341.7	245.9	177.0	142.6	108.2	91.0	91.0	88.5	83.6	81.1
59°	358.9	324.5	226.2	159.8	130.3	93.4	81.1	83.6	81.1	76.2	73.8
60°	341.7	309.8	211.4	147.5	122.9	86.0	73.8	78.7	76.2	71.3	68.8
62.5°	302.4	280.3	181.9	122.9	108.2	68.8	61.5	66.4	66.4	63.9	61.5
65°	265.5	240.9	154.9	103.3	100.8	59.0	49.2	59.0	61.5	56.5	51.6
67.5°	231.1	206.5	135.2	83.6	93.4	46.7	36.9	49.2	66.4	51.6	46.7
70°	196.7	172.1	105.7	66.4	98.3	32.0	29.5	44.3	78.7	56.5	44.3
72.5°	152.4	132.8	73.8	49.2	105.7	22.1	22.1	36.9	88.5	61.5	41.8
75°	105.7	86.0	44.3	29.5	86.0	14.8	14.8	34.4	83.6	56.5	39.3
77.5°	61.5	46.7	14.8	2.5	44.3	0.0	2.5	24.6	59.0	34.4	17.2
80°	22.1	9.8	0.0	0.0	27.0	0.0	0.0	0.0	4.9	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°	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0
2.5°	14345.7	14677.6	14975.1	15425.0	15958.5	16573.1	17101.7	17669.6	18203.1	18424.4	18576.8
5°	10992.2	11402.8	11882.2	12543.5	13423.7	14507.9	15523.3	16671.5	17905.7	18522.8	19103.0
7.5°	7771.5	8189.4	8784.4	9487.6	10552.1	11842.9	13170.5	14756.2	16428.1	17404.1	18365.4
10°	5588.3	6102.1	6657.8	7619.1	8700.8	9925.2	11292.1	13062.3	14925.9	16007.7	17165.6
12.5°	3803.4	4388.5	5229.3	6306.2	7577.3	8777.0	9964.5	11653.6	13817.1	14889.0	16130.6
15°	2281.5	2606.1	3496.1	4742.6	6301.3	7796.1	9096.7	10790.6	13096.7	14409.6	15700.3
17.5°	1406.3	1556.3	2040.6	3063.4	4700.8	6591.4	8373.8	10498.0	13200.0	14798.0	16179.8
20°	1121.1	1180.1	1335.0	1809.5	3115.0	5263.8	7560.1	10439.0	14043.3	16010.1	17492.6
22.5°	973.6	1030.1	1133.4	1315.3	1959.5	3941.1	6788.1	10493.1	15252.9	17827.0	19557.8
25°	858.0	907.2	1005.5	1155.5	1435.8	2775.7	5962.0	10734.1	16828.8	20081.5	21920.5
27.5°	767.1	808.9	899.8	1037.5	1231.7	1937.3	5025.3	11026.6	18697.3	22387.6	24202.0
30°	683.5	720.4	801.5	929.3	1069.5	1489.9	3997.6	11225.8	20568.3	24202.0	25832.0
32.5°	612.2	639.2	713.0	821.2	929.3	1187.5	3038.8	11193.8	21957.4	25711.6	27004.8
35°	538.4	565.5	629.4	722.8	808.9	981.0	2389.7	10596.4	23167.0	27277.7	28347.1
37.5°	457.3	491.7	553.2	636.8	695.8	863.0	1932.4	9876.0	24393.8	29067.5	29844.4
40°	388.5	422.9	477.0	567.9	604.8	818.7	1485.0	8998.3	25773.0	31068.8	31486.7
42.5°	322.1	354.0	410.6	489.3	570.4	705.6	1099.0	7995.2	27098.2	32779.9	32984.0
45°	260.6	292.6	351.6	430.2	609.7	585.1	850.7	6920.8	28167.7	34203.4	34269.8
47.5°	206.5	236.0	297.5	405.7	567.9	467.1	607.3	6077.5	29065.0	35314.7	35140.1
50°	159.8	184.4	248.3	464.7	496.6	386.0	459.7	5797.3	29869.0	36003.1	35550.7
52.5°	125.4	147.5	204.1	435.2	386.0	319.6	386.0	6060.3	30970.4	36573.5	35781.8
55°	100.8	122.9	159.8	248.3	263.1	270.4	329.4	6306.2	32870.9	37910.9	37146.3
57.5°	83.6	105.7	130.3	174.6	199.1	228.6	292.6	6333.2	35110.6	40133.5	39410.6
59°	76.2	95.9	118.0	154.9	174.6	209.0	275.4	6185.7	35899.8	40942.3	40580.9
60°	71.3	91.0	110.6	142.6	162.3	196.7	265.5	6045.6	35934.2	40912.8	41080.0
62.5°	61.5	81.1	98.3	120.5	137.7	167.2	238.5	5526.8	34478.8	39572.9	40780.1
65°	54.1	71.3	88.5	103.3	118.0	150.0	216.4	4580.3	31993.2	37411.8	38727.2
67.5°	49.2	61.5	81.1	91.0	105.7	132.8	191.8	3265.0	28888.0	34768.9	35622.0
70°	44.3	59.0	73.8	83.6	95.9	115.6	164.7	1875.9	24393.8	30899.1	31506.4
72.5°	41.8	56.5	66.4	78.7	86.0	103.3	150.0	882.6	17861.4	24752.7	26338.5
75°	36.9	51.6	61.5	73.8	81.1	93.4	127.8	422.9	11879.7	17913.0	19715.2
77.5°	22.1	41.8	56.5	66.4	71.3	81.1	105.7	243.4	7582.2	12398.5	14603.8
80°	0.0	14.8	41.8	56.5	61.5	68.8	81.1	191.8	4056.6	7083.1	8501.7
82.5°	0.0	0.0	29.5	44.3	41.8	46.7	61.5	120.5	1829.2	4629.5	5217.1
85°	0.0	0.0	9.8	34.4	29.5	22.1	41.8	41.8	400.7	2343.0	2923.2
87.5°	0.0	0.0	0.0	2.5	14.8	9.8	17.2	4.9	2.5	174.6	708.1
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°	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0	16905.0
2.5°	19110.3	19292.3	19599.6	19744.7	19673.4	19371.0	19009.5	18640.8	18424.4	18510.5
5°	20285.5	21222.2	21763.1	21942.6	21642.7	20964.1	20076.6	18906.3	18490.8	18377.7
7.5°	20285.5	22048.3	23164.5	23361.2	22692.5	21362.4	19697.9	17871.2	17264.0	17042.7
10°	19572.6	21972.1	23528.4	23840.6	22906.4	20917.4	18687.5	16602.6	15882.3	15653.6
12.5°	18768.6	21352.6	22992.4	23422.7	22655.6	20474.8	17986.8	15744.6	14896.4	14697.2
15°	18274.4	20590.4	21947.5	22259.8	21935.2	20216.7	17819.6	15486.4	14488.3	14296.5
17.5°	18451.5	20000.3	20489.6	20671.5	20890.3	20125.7	18274.4	16051.9	14788.2	14606.3
20°	19117.7	19378.3	19125.1	19353.7	19943.8	20214.2	19358.7	17418.9	15901.9	15658.5
22.5°	20248.7	19056.3	18345.7	18436.7	19154.6	20506.8	21015.7	19371.0	17620.5	17315.6
25°	21566.4	19316.9	17913.0	17831.9	18569.5	20892.8	22530.2	21495.1	19653.7	19316.9
27.5°	23223.5	19902.0	17824.5	17743.4	18365.4	21254.2	23789.0	23594.8	21795.1	21219.8
30°	24502.0	20477.3	18087.6	17900.7	18569.5	21505.0	24799.4	25377.2	23501.3	23120.3
32.5°	25419.0	21155.9	18515.4	18244.9	19144.8	21937.7	25578.8	27009.7	25079.7	24502.0
35°	26117.2	21893.4	19206.2	18761.2	19936.4	22594.1	26309.0	28747.9	26758.9	26127.1
37.5°	26771.2	22928.5	20285.5	19754.5	21178.0	23651.3	27081.0	30719.6	28637.3	27882.5
40°	27683.3	24101.2	21950.0	21477.9	23265.3	25092.0	28044.7	32775.0	30773.7	29824.7
42.5°	28595.5	25360.0	23653.8	23781.6	25868.9	26842.5	29288.8	34948.4	32883.2	31870.3
45°	29428.9	26658.1	26080.4	26670.4	28285.7	28762.6	30525.4	36204.7	34567.3	33588.8
47.5°	30171.4	28280.8	28492.2	30063.2	31034.3	30500.8	31449.8	37288.9	35821.1	34958.2
50°	31034.3	30380.4	31671.1	33893.6	34198.5	32074.3	32290.7	38572.3	37286.4	36593.1
52.5°	31978.4	32593.1	35191.8	37151.2	37052.9	33783.0	33136.4	40010.5	39295.1	38643.6
55°	33050.4	34380.4	38292.0	40199.8	40116.2	35690.8	34537.8	41788.1	41812.6	41222.6
57.5°	34641.0	35919.5	40396.5	42665.8	42805.9	37893.7	36912.7	43779.5	44089.3	43695.9
59°	35781.8	36917.7	41230.0	43695.9	44266.3	39597.5	38648.5	44935.0	44731.0	44372.0
60°	36627.6	37552.0	41643.0	44234.3	45114.5	40753.0	39929.4	45613.6	44807.2	44372.0
62.5°	38719.8	38933.7	42388.0	44844.0	46090.5	43319.7	43533.6	46769.1	44278.6	43568.1
65°	39695.8	39806.5	42378.1	43752.4	45146.4	45318.5	46803.5	46803.5	42987.8	41896.2
67.5°	39287.7	38754.2	40276.1	40133.5	41525.0	44131.1	48032.8	45087.4	40519.4	39108.2
70°	35968.7	33915.8	33239.7	33301.1	34365.7	38385.4	45598.8	40037.6	35848.2	34198.5
72.5°	29928.0	25003.5	23334.1	25239.5	25517.3	29500.2	38859.9	30151.7	26436.8	24890.4
75°	24071.7	17625.4	14911.1	16922.2	17394.3	21588.6	30060.8	18778.4	15442.2	14237.5
77.5°	17293.5	12651.7	10699.6	10559.5	11169.2	13691.7	21330.4	9450.7	7882.1	7356.0
80°	9824.4	8327.1	8966.4	8459.9	8767.2	8560.7	10134.2	4145.1	3395.3	3174.0
82.5°	5930.0	4922.0	5330.1	4437.7	5615.3	4890.1	3904.2	1327.6	1153.1	1096.5
85°	3857.5	2689.7	1401.4	939.2	1934.9	3124.8	872.8	361.4	277.8	221.3
87.5°	1330.1	685.9	68.8	29.5	206.5	582.7	32.0	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

(END OF REPORT)