

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: P324482

Luminaire Tested: **GAN-SA8B-740-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324482  
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-SA8B-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 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: 33950 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

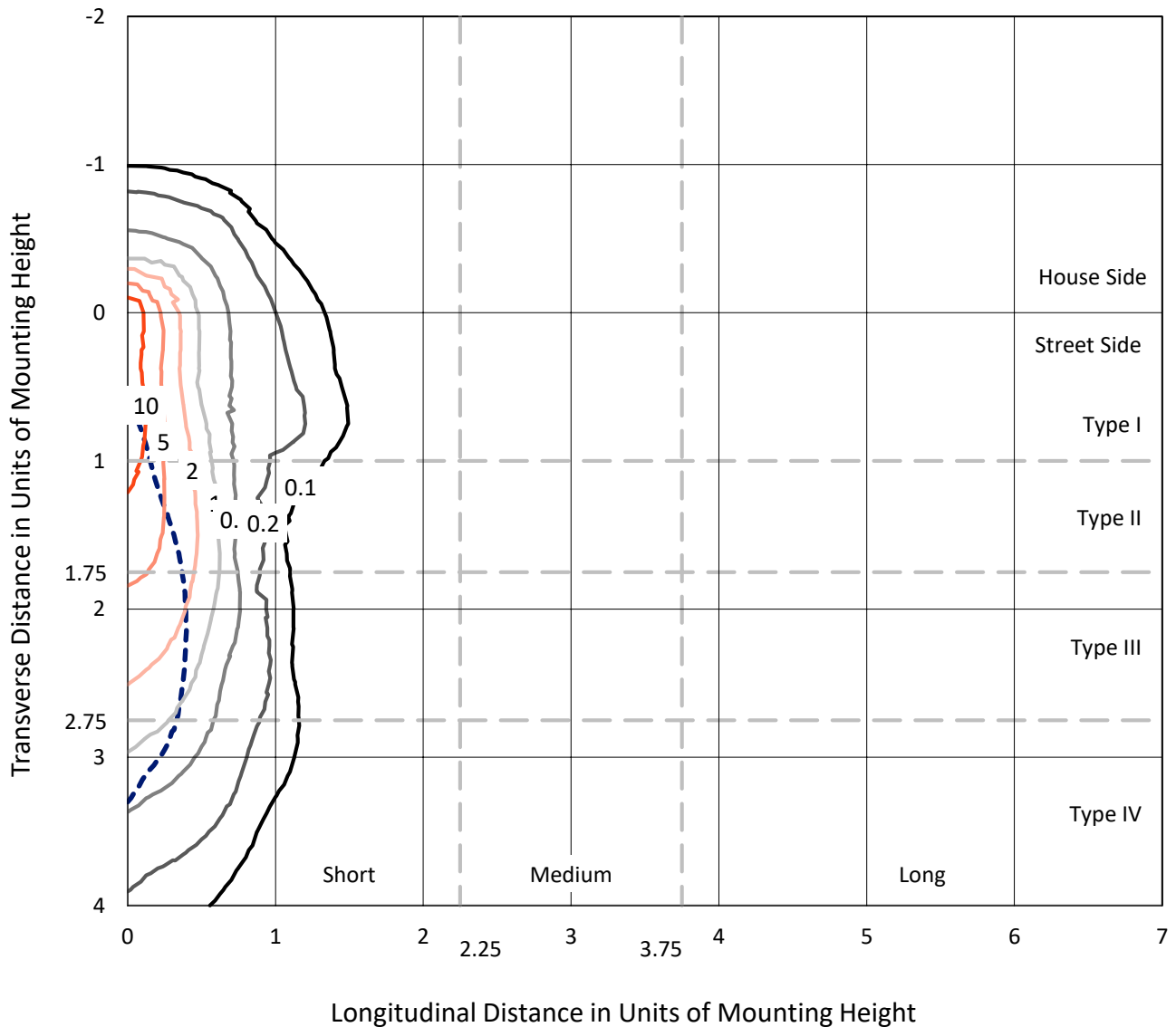
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

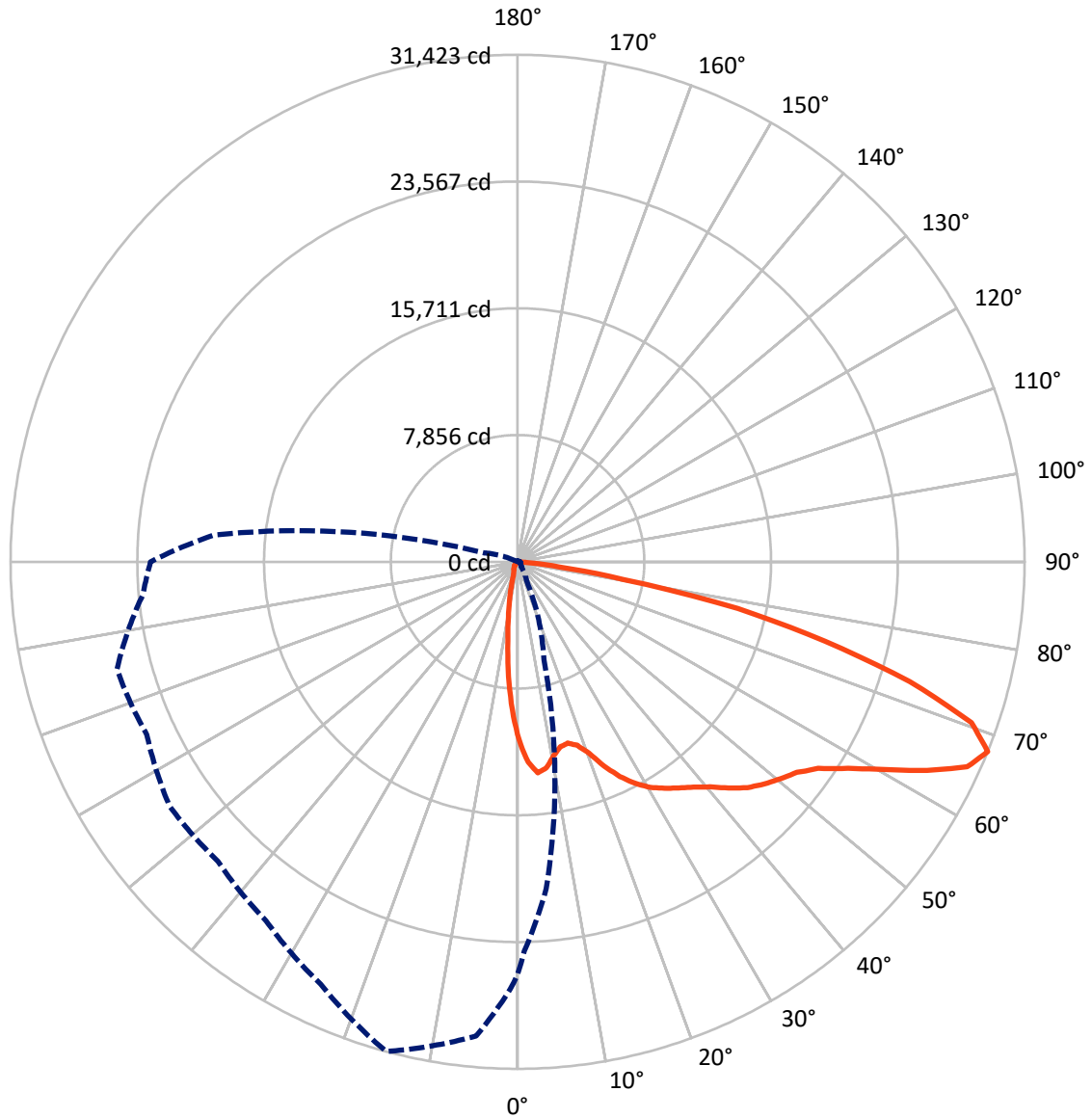
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 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	4109.1	0.0	4109.1
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	29840.9	0.0	29840.9
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	33950.0	0.0	33950.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	848.8	2.5
10°-20°	1689.5	5.0
20°-30°	2399.1	7.1
30°-40°	3543.6	10.4
40°-50°	5110.6	15.1
50°-60°	7174.2	21.1
60°-70°	8363.0	24.6
70°-80°	4275.3	12.6
80°-90°	546.0	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°	33950.0	100.0
0°-180°	33950.0	100.0

**Coefficient of Utilization**

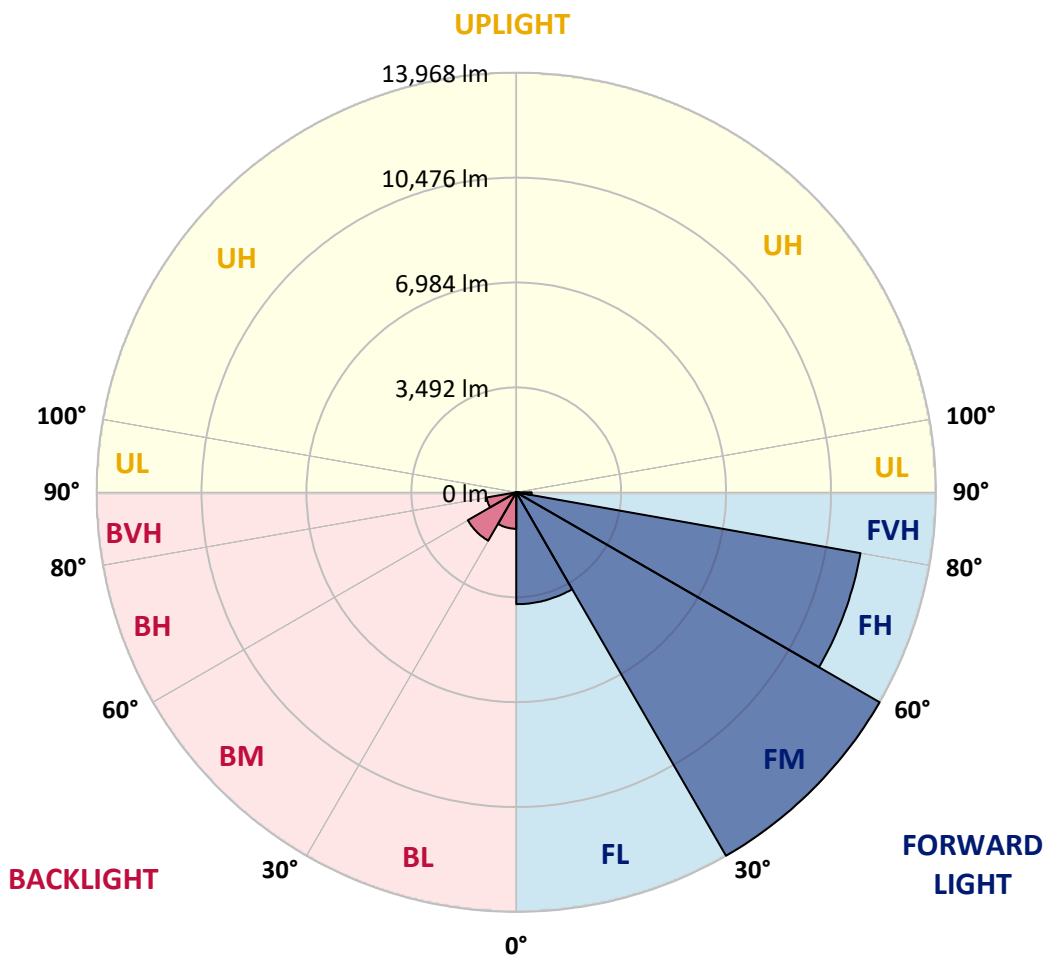


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3723.7	11.0			
FM (30°-60°)	13967.6	41.1			
FH (60°-80°)	11636.9	34.3			G4/12000
FVH (80°-90°)	512.8	1.5			G4/750
BL (0°-30°)	1213.7	3.6	B3/2500		
BM (30°-60°)	1860.7	5.5	B2/2500		
BH (60°-80°)	1001.5	2.9	B3/2500		G3/2500
BVH (80°-90°)	33.2	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-G4**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1
2.5°	12109.4	12016.1	11913.2	11577.0	11265.0	10908.0	10616.8	10414.2	10160.1	9830.4	9746.7
5°	12022.6	11922.8	11599.6	10851.7	10197.1	9560.1	8945.8	8585.5	8138.4	7684.8	7572.2
7.5°	11149.2	11044.7	10578.2	9553.7	8672.3	7752.3	6954.6	6460.8	5955.8	5540.8	5320.5
10°	10240.5	10126.3	9602.0	8358.7	7273.0	6441.5	5856.1	5384.8	4907.1	4463.2	4109.4
12.5°	9614.8	9465.3	8895.9	7487.0	6541.2	5976.7	5429.9	4865.3	4218.8	3742.7	3353.5
15°	9352.7	9182.2	8580.7	7150.8	6282.3	5619.6	4907.1	4213.9	3456.4	2911.1	2554.1
17.5°	9555.3	9333.4	8688.4	7128.3	5957.4	5055.1	4154.4	3340.6	2518.7	1967.0	1712.9
20°	10243.7	9952.6	9133.9	7121.9	5563.4	4384.4	3242.5	2322.5	1659.8	1334.9	1201.5
22.5°	11327.7	10943.3	9774.1	7173.3	5156.4	3679.9	2341.8	1577.8	1246.5	1077.6	998.8
25°	12637.0	12191.4	10695.7	7355.1	4799.4	2994.8	1701.7	1246.5	1051.9	928.0	862.1
27.5°	13881.8	13520.0	11860.1	7617.2	4522.7	2441.5	1381.6	1056.7	899.1	817.1	764.0
30°	15125.1	14669.9	13055.1	7929.3	4189.8	2066.8	1214.3	963.4	805.8	718.9	685.2
32.5°	16029.0	15651.0	13991.2	8154.4	3834.4	1822.3	1085.6	881.4	752.7	664.3	614.4
35°	17092.1	16664.3	14793.8	8204.3	3606.0	1667.9	976.3	792.9	653.0	574.2	521.1
37.5°	18240.5	17708.1	15720.2	8094.9	3427.4	1592.3	894.3	752.7	609.6	529.2	472.9
40°	19511.1	18909.6	16609.6	7937.3	3252.1	1566.6	831.5	722.2	575.8	493.8	435.9
42.5°	20849.3	20140.0	17380.0	7771.6	3141.1	1478.1	825.1	691.6	550.1	461.6	403.7
45°	21973.5	21254.6	18171.4	7717.0	3062.3	1381.6	852.4	670.7	532.4	435.9	379.6
47.5°	22869.4	22189.1	18982.0	7839.2	3017.3	1293.1	776.8	698.0	522.7	413.4	358.7
50°	23939.0	23168.6	20123.9	8204.3	2951.4	1204.7	702.9	799.4	522.7	398.9	341.0
52.5°	25280.4	24518.0	21397.7	8770.4	2819.5	1082.4	632.1	801.0	527.5	379.6	318.5
55°	26967.5	26414.3	23216.8	9391.3	2608.8	902.3	546.8	688.4	508.2	344.2	297.5
57.5°	28585.6	28133.6	24875.0	9815.9	2327.3	704.5	476.1	554.9	464.8	302.4	265.4
59°	29027.9	28534.1	25483.0	9835.2	2116.6	614.4	440.7	458.4	455.2	283.1	246.1
60°	29027.9	28503.5	25658.3	9732.2	1963.8	564.5	418.2	408.5	474.5	270.2	234.8
62.5°	28501.9	27765.3	25089.0	9035.8	1601.9	480.9	365.1	337.8	426.2	242.9	207.5
65°	27408.2	26335.4	23149.3	7776.5	1428.2	440.7	315.2	276.6	295.9	213.9	181.7
67.5°	25584.3	24130.4	20352.3	6282.3	1359.1	429.4	271.8	234.8	223.6	183.4	159.2
70°	22372.4	20759.2	16957.0	4939.3	1299.6	424.6	228.4	197.8	180.1	154.4	135.1
72.5°	16283.1	14600.8	12038.6	3861.7	1264.2	434.3	183.4	165.7	148.0	120.6	104.5
75°	9314.1	8212.3	6766.4	2550.9	1077.6	415.0	141.5	138.3	106.2	86.9	72.4
77.5°	4812.2	4665.9	4054.7	979.5	516.3	181.7	93.3	80.4	62.7	53.1	43.4
80°	2076.4	2053.9	1777.2	283.1	136.7	101.3	53.1	33.8	29.0	22.5	17.7
82.5°	717.3	717.3	632.1	94.9	61.1	49.9	6.4	0.0	0.0	0.0	0.0
85°	144.8	162.4	114.2	0.0	20.9	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°	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1
2.5°	9645.4	9450.8	9437.9	9315.7	9162.9	9093.7	9053.5	9124.3	9211.1	9220.8	9351.1
5°	7487.0	7282.7	7367.9	7150.8	7194.2	7150.8	7080.0	7092.9	7131.5	7010.9	7160.5
7.5°	5257.8	5103.4	5201.5	5143.6	5220.8	5251.3	5207.9	5143.6	4953.8	4931.3	5061.5
10°	3963.0	3787.7	3683.2	3573.8	3597.9	3647.8	3631.7	3585.1	3464.4	3470.9	3596.3
12.5°	3184.6	2988.4	2780.9	2512.3	2446.3	2483.3	2446.3	2419.0	2303.2	2312.8	2423.8
15°	2415.8	2254.9	2037.8	1822.3	1704.9	1716.1	1613.2	1540.8	1468.4	1381.6	1449.1
17.5°	1630.9	1532.8	1468.4	1404.1	1264.2	1232.0	1101.7	961.8	907.1	866.9	895.9
20°	1154.8	1101.7	1076.0	1072.8	992.4	952.2	825.1	738.2	710.9	702.9	720.5
22.5°	965.0	926.4	889.4	868.5	828.3	781.7	685.2	641.7	622.4	612.8	625.7
25°	839.6	810.6	772.0	736.6	720.5	670.7	601.5	569.4	556.5	546.8	553.3
27.5°	746.3	720.5	675.5	653.0	640.1	596.7	537.2	511.5	500.2	497.0	495.4
30°	672.3	648.2	606.4	580.6	558.1	519.5	484.1	458.4	447.1	443.9	440.7
32.5°	598.3	579.0	551.7	525.9	501.8	466.4	435.9	415.0	397.3	394.1	392.4
35°	505.0	485.7	471.3	469.6	447.1	413.4	390.8	363.5	349.0	344.2	345.8
37.5°	448.7	423.0	390.8	402.1	395.7	371.5	341.0	313.6	299.2	295.9	295.9
40°	413.4	386.0	349.0	329.7	349.0	344.2	295.9	268.6	254.1	252.5	249.3
42.5°	379.6	352.2	310.4	278.2	287.9	302.4	255.7	230.0	215.5	212.3	207.5
45°	355.4	326.5	279.9	242.9	223.6	254.1	218.7	186.6	178.5	172.1	168.9
47.5°	332.9	305.6	252.5	210.7	178.5	183.4	175.3	152.8	143.1	136.7	135.1
50°	313.6	284.7	228.4	180.1	148.0	135.1	141.5	120.6	112.6	106.2	102.9
52.5°	291.1	263.8	202.7	156.0	123.8	106.2	107.8	94.9	86.9	82.0	80.4
55°	273.4	246.1	181.7	136.7	109.4	86.9	77.2	74.0	69.2	65.9	64.3
57.5°	249.3	223.6	160.8	115.8	93.3	70.8	59.5	59.5	57.9	54.7	53.1
59°	234.8	212.3	148.0	104.5	85.2	61.1	53.1	54.7	53.1	49.9	48.3
60°	223.6	202.7	138.3	96.5	80.4	56.3	48.3	51.5	49.9	46.6	45.0
62.5°	197.8	183.4	119.0	80.4	70.8	45.0	40.2	43.4	43.4	41.8	40.2
65°	173.7	157.6	101.3	67.6	65.9	38.6	32.2	38.6	40.2	37.0	33.8
67.5°	151.2	135.1	88.5	54.7	61.1	30.6	24.1	32.2	43.4	33.8	30.6
70°	128.7	112.6	69.2	43.4	64.3	20.9	19.3	29.0	51.5	37.0	29.0
72.5°	99.7	86.9	48.3	32.2	69.2	14.5	14.5	24.1	57.9	40.2	27.3
75°	69.2	56.3	29.0	19.3	56.3	9.7	9.7	22.5	54.7	37.0	25.7
77.5°	40.2	30.6	9.7	1.6	29.0	0.0	1.6	16.1	38.6	22.5	11.3
80°	14.5	6.4	0.0	0.0	17.7	0.0	0.0	0.0	3.2	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°	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1
2.5°	9384.8	9602.0	9796.6	10090.9	10439.9	10842.0	11187.8	11559.4	11908.4	12053.1	12152.8
5°	7191.0	7459.6	7773.3	8205.9	8781.7	9491.0	10155.2	10906.4	11713.8	12117.5	12497.0
7.5°	5084.1	5357.5	5746.7	6206.7	6903.1	7747.5	8616.0	9653.4	10747.1	11385.6	12014.5
10°	3655.8	3992.0	4355.5	4984.3	5692.0	6493.0	7387.2	8545.3	9764.4	10472.1	11229.6
12.5°	2488.1	2870.9	3421.0	4125.5	4957.0	5741.9	6518.7	7623.7	9039.0	9740.3	10552.5
15°	1492.6	1704.9	2287.1	3102.5	4122.3	5100.1	5951.0	7059.1	8567.8	9426.7	10271.0
17.5°	920.0	1018.1	1334.9	2004.0	3075.2	4312.0	5478.1	6867.7	8635.3	9680.8	10584.7
20°	733.4	772.0	873.3	1183.8	2037.8	3443.5	4945.7	6829.1	9187.0	10473.7	11443.5
22.5°	636.9	673.9	741.5	860.5	1281.9	2578.2	4440.7	6864.5	9978.3	11662.3	12794.6
25°	561.3	593.5	657.8	755.9	939.3	1815.8	3900.3	7022.1	11009.3	13137.2	14340.2
27.5°	501.8	529.2	588.7	678.7	805.8	1267.4	3287.5	7213.5	12231.7	14645.8	15832.8
30°	447.1	471.3	524.3	608.0	699.6	974.7	2615.2	7343.8	13455.6	15832.8	16899.1
32.5°	400.5	418.2	466.4	537.2	608.0	776.8	1987.9	7322.9	14364.3	16820.3	17666.3
35°	352.2	369.9	411.7	472.9	529.2	641.7	1563.3	6932.1	15155.7	17844.9	18544.5
37.5°	299.2	321.7	361.9	416.6	455.2	564.5	1264.2	6460.8	15958.2	19015.8	19524.0
40°	254.1	276.6	312.0	371.5	395.7	535.6	971.5	5886.6	16860.5	20325.0	20598.4
42.5°	210.7	231.6	268.6	320.1	373.1	461.6	718.9	5230.4	17727.5	21444.4	21577.9
45°	170.5	191.4	230.0	281.5	398.9	382.8	556.5	4527.6	18427.1	22375.6	22419.1
47.5°	135.1	154.4	194.6	265.4	371.5	305.6	397.3	3975.9	19014.1	23102.6	22988.4
50°	104.5	120.6	162.4	304.0	324.9	252.5	300.8	3792.5	19540.1	23553.0	23257.0
52.5°	82.0	96.5	133.5	284.7	252.5	209.1	252.5	3964.6	20260.6	23926.1	23408.2
55°	65.9	80.4	104.5	162.4	172.1	176.9	215.5	4125.5	21503.9	24801.1	24300.9
57.5°	54.7	69.2	85.2	114.2	130.3	149.6	191.4	4143.2	22969.1	26255.0	25782.2
59°	49.9	62.7	77.2	101.3	114.2	136.7	180.1	4046.7	23485.4	26784.2	26547.7
60°	46.6	59.5	72.4	93.3	106.2	128.7	173.7	3955.0	23507.9	26764.9	26874.2
62.5°	40.2	53.1	64.3	78.8	90.1	109.4	156.0	3615.6	22555.8	25888.3	26678.0
65°	35.4	46.6	57.9	67.6	77.2	98.1	141.5	2996.4	20929.7	24474.6	25335.0
67.5°	32.2	40.2	53.1	59.5	69.2	86.9	125.5	2135.9	18898.3	22745.6	23303.7
70°	29.0	38.6	48.3	54.7	62.7	75.6	107.8	1227.2	15958.2	20214.0	20611.3
72.5°	27.3	37.0	43.4	51.5	56.3	67.6	98.1	577.4	11684.8	16193.1	17230.5
75°	24.1	33.8	40.2	48.3	53.1	61.1	83.6	276.6	7771.6	11718.6	12897.5
77.5°	14.5	27.3	37.0	43.4	46.6	53.1	69.2	159.2	4960.2	8111.0	9553.7
80°	0.0	9.7	27.3	37.0	40.2	45.0	53.1	125.5	2653.8	4633.7	5561.7
82.5°	0.0	0.0	19.3	29.0	27.3	30.6	40.2	78.8	1196.6	3028.6	3413.0
85°	0.0	0.0	6.4	22.5	19.3	14.5	27.3	27.3	262.2	1532.8	1912.4
87.5°	0.0	0.0	0.0	1.6	9.7	6.4	11.3	3.2	1.6	114.2	463.2
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°	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1	11059.1
2.5°	12501.9	12620.9	12821.9	12916.8	12870.2	12672.3	12435.9	12194.7	12053.1	12109.4
5°	13270.7	13883.4	14237.3	14354.7	14158.5	13714.6	13133.9	12368.4	12096.5	12022.6
7.5°	13270.7	14423.9	15154.1	15282.7	14845.3	13975.1	12886.3	11691.2	11294.0	11149.2
10°	12804.2	14374.0	15392.1	15596.4	14985.2	13684.0	12225.2	10861.3	10390.1	10240.5
12.5°	12278.3	13968.7	15041.5	15322.9	14821.1	13394.5	11766.8	10300.0	9745.1	9614.8
15°	11955.0	13470.1	14357.9	14562.2	14349.9	13225.6	11657.5	10131.1	9478.1	9352.7
17.5°	12070.8	13084.1	13404.2	13523.2	13666.3	13166.1	11955.0	10501.0	9674.3	9555.3
20°	12506.7	12677.2	12511.5	12661.1	13047.1	13224.0	12664.3	11395.3	10402.9	10243.7
22.5°	13246.5	12466.5	12001.7	12061.2	12530.8	13415.4	13748.3	12672.3	11527.2	11327.7
25°	14108.6	12637.0	11718.6	11665.5	12148.0	13667.9	14739.1	14062.0	12857.3	12637.0
27.5°	15192.7	13019.8	11660.7	11607.6	12014.5	13904.4	15562.6	15435.5	14258.2	13881.8
30°	16029.0	13396.1	11832.8	11710.5	12148.0	14068.4	16223.6	16601.6	15374.4	15125.1
32.5°	16628.9	13840.0	12112.6	11935.7	12524.4	14351.5	16733.5	17669.5	16407.0	16029.0
35°	17085.7	14322.5	12564.6	12273.5	13042.3	14780.9	17211.2	18806.7	17505.5	17092.1
37.5°	17513.5	14999.7	13270.7	12923.2	13854.5	15472.5	17716.2	20096.6	18734.3	18240.5
40°	18110.2	15766.8	14359.5	14050.7	15220.0	16415.0	18346.7	21441.2	20132.0	19511.1
42.5°	18706.9	16590.3	15474.1	15557.8	16923.3	17560.2	19160.5	22863.0	21511.9	20849.3
45°	19252.2	17439.6	17061.6	17447.6	18504.3	18816.3	19969.5	23684.9	22613.7	21973.5
47.5°	19737.9	18501.1	18639.4	19667.1	20302.4	19953.4	20574.3	24394.1	23433.9	22869.4
50°	20302.4	19874.6	20719.0	22173.0	22372.4	20982.8	21124.3	25233.7	24392.5	23939.0
52.5°	20920.1	21322.2	23022.2	24304.1	24239.7	22100.6	21677.6	26174.6	25706.6	25280.4
55°	21621.3	22491.4	25050.4	26298.5	26243.8	23348.7	22594.4	27337.5	27353.5	26967.5
57.5°	22661.9	23498.3	26427.1	27911.6	28003.3	24789.8	24148.1	28640.2	28842.9	28585.6
59°	23408.2	24151.3	26972.4	28585.6	28958.7	25904.4	25283.6	29396.2	29262.7	29027.9
60°	23961.5	24566.2	27242.6	28937.8	29513.6	26660.3	26121.5	29840.1	29312.5	29027.9
62.5°	25330.2	25470.1	27729.9	29336.7	30152.1	28339.5	28479.4	30596.0	28966.7	28501.9
65°	25968.7	26041.1	27723.5	28622.5	29534.5	29647.1	30618.5	30618.5	28122.3	27408.2
67.5°	25701.7	25352.7	26348.3	26255.0	27165.4	28870.2	31422.7	29495.9	26507.5	25584.3
70°	23530.4	22187.5	21745.2	21785.4	22481.8	25111.5	29830.4	26192.3	23451.6	22372.4
72.5°	19578.7	16357.1	15265.0	16511.5	16693.3	19298.8	25421.9	19725.0	17294.8	16283.1
75°	15747.5	11530.4	9754.8	11070.4	11379.2	14123.1	19665.5	12284.7	10102.2	9314.1
77.5°	11313.3	8276.7	6999.6	6907.9	7306.8	8957.0	13954.2	6182.6	5156.4	4812.2
80°	6427.0	5447.5	5865.7	5534.4	5735.4	5600.3	6629.7	2711.7	2221.2	2076.4
82.5°	3879.4	3220.0	3486.9	2903.1	3673.5	3199.0	2554.1	868.5	754.3	717.3
85°	2523.5	1759.6	916.8	614.4	1265.8	2044.2	571.0	236.4	181.7	144.8
87.5°	870.1	448.7	45.0	19.3	135.1	381.2	20.9	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)