

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: P324524

Luminaire Tested: **GAN-SA0B-750-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324524  
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-750-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5000K, 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: 41929 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

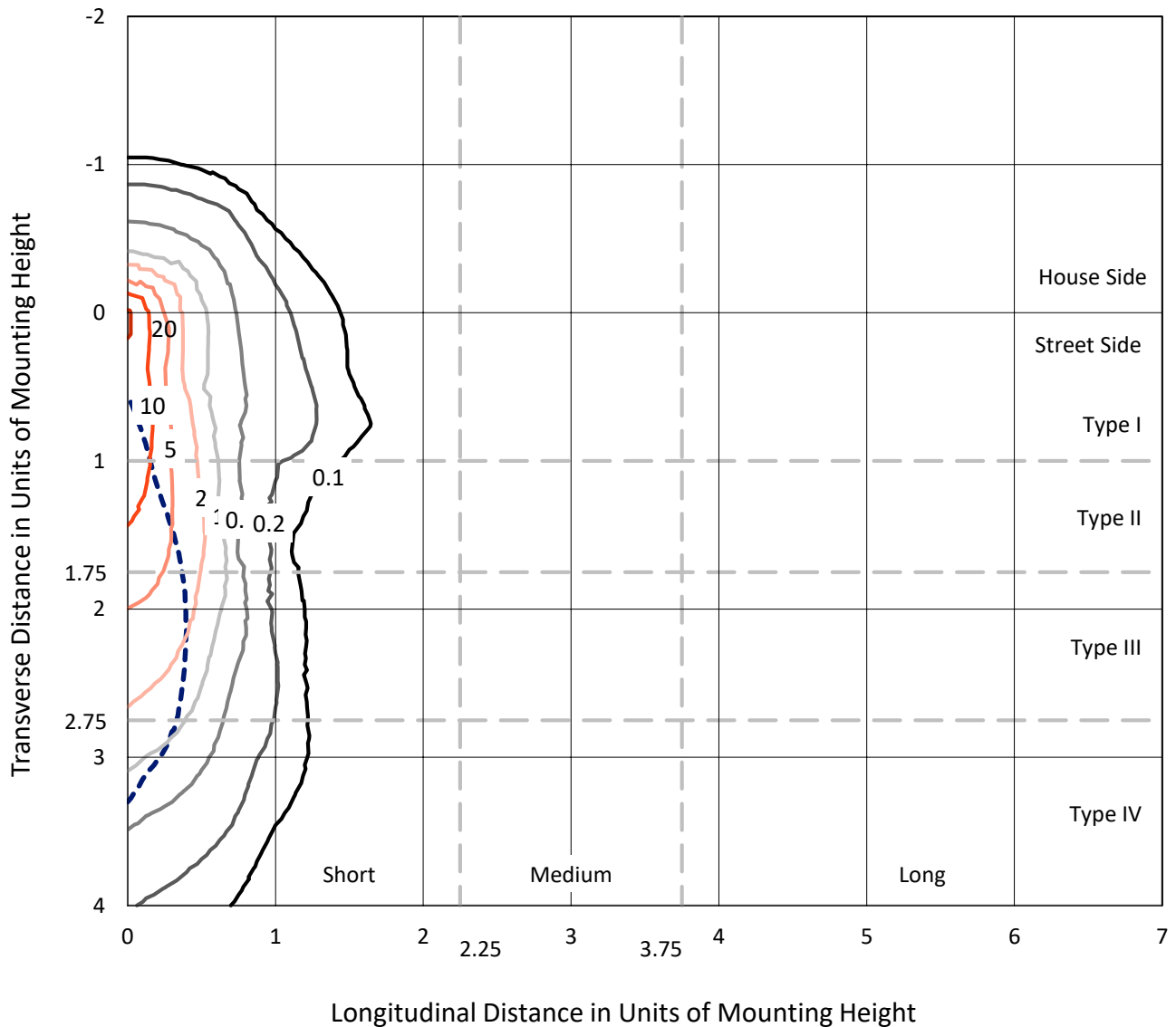
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

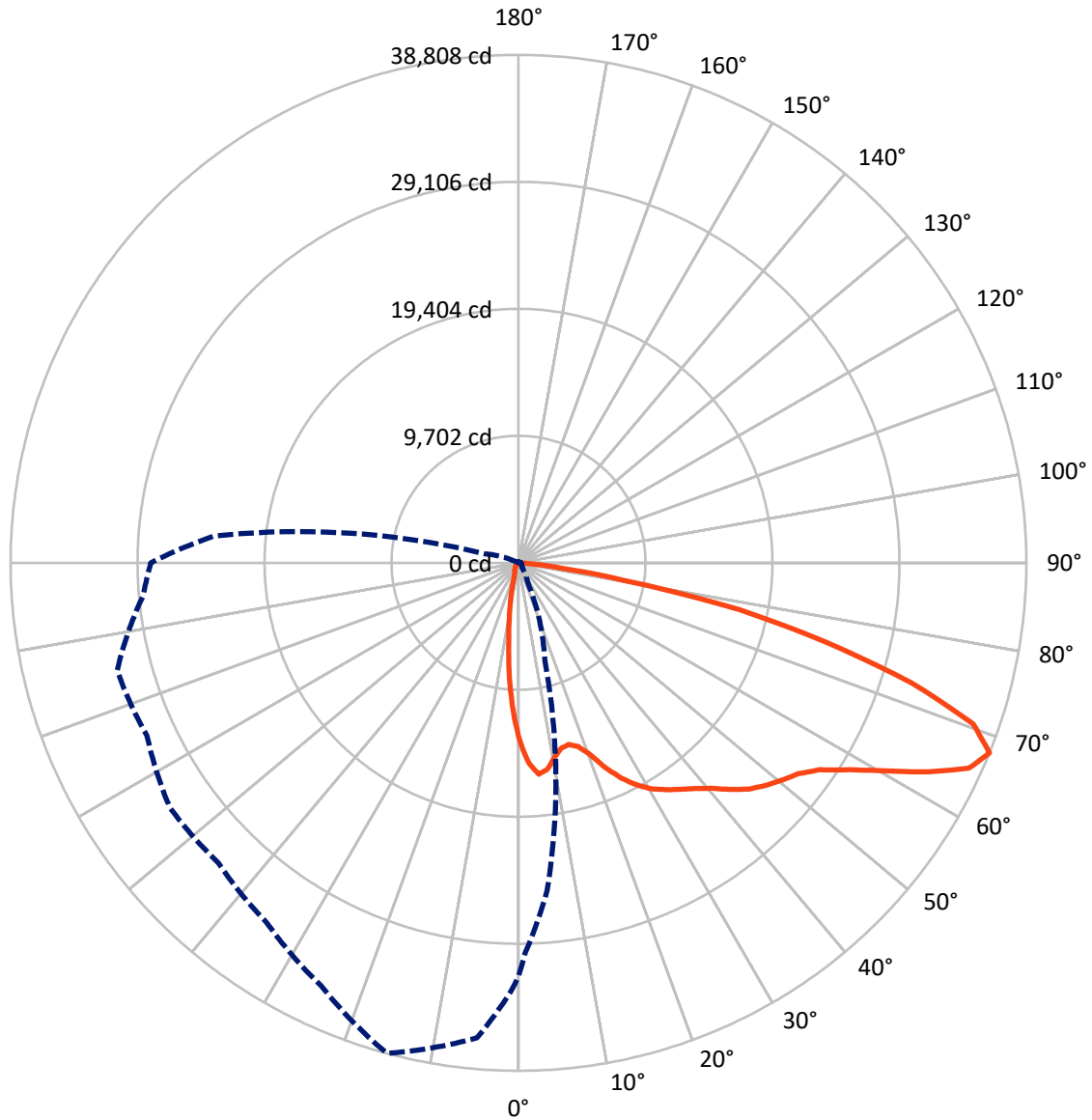
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 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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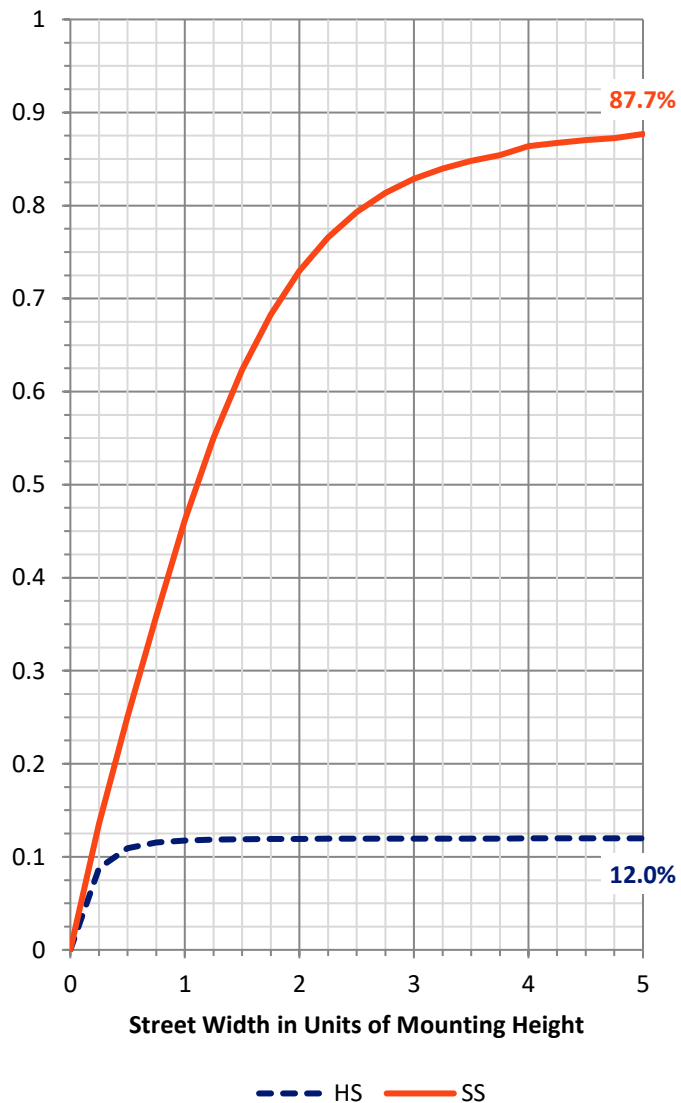
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5074.8	0.0	5074.8
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	36854.2	0.0	36854.2
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	41929.0	0.0	41929.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1048.3	2.5
10°-20°	2086.5	5.0
20°-30°	2962.9	7.1
30°-40°	4376.4	10.4
40°-50°	6311.7	15.1
50°-60°	8860.3	21.1
60°-70°	10328.5	24.6
70°-80°	5280.1	12.6
80°-90°	674.3	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°	41929.0	100.0
0°-180°	41929.0	100.0

**Coefficient of Utilization**

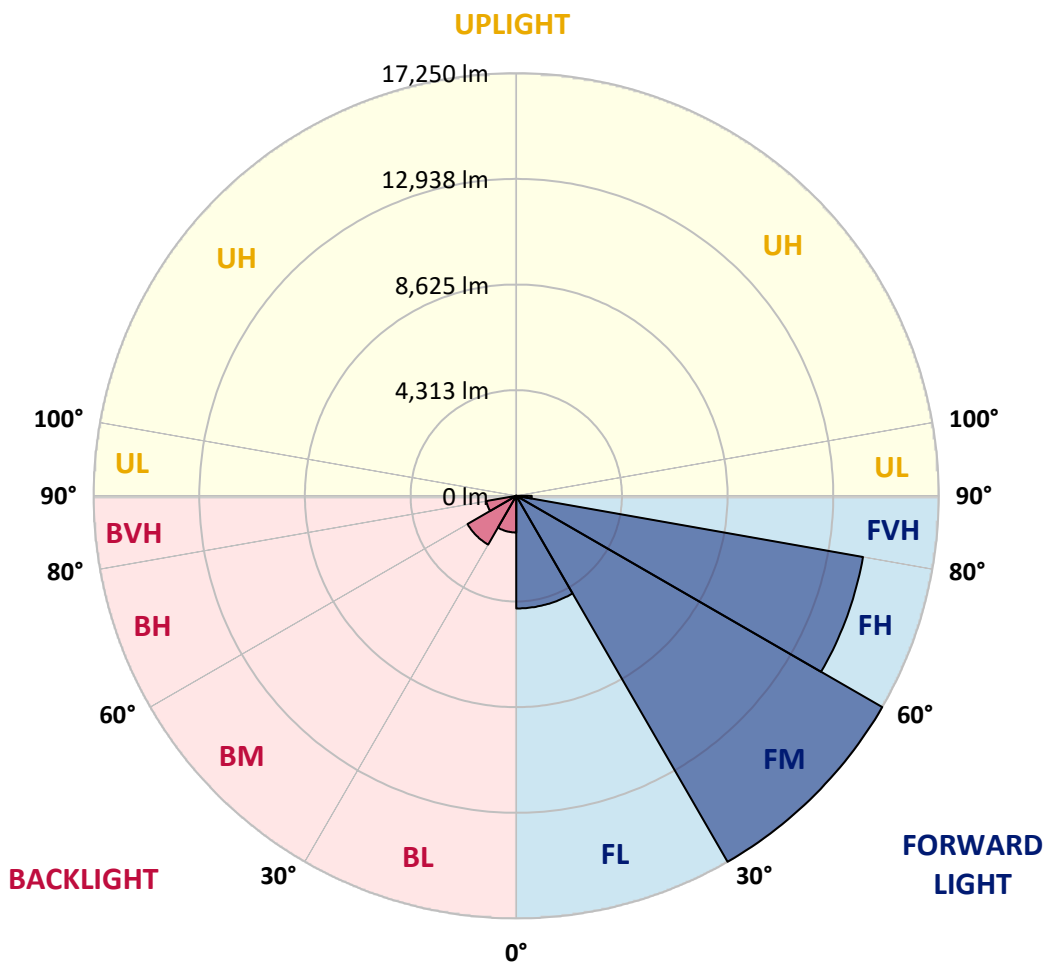


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4598.8	11.0			
FM (30°-60°)	17250.3	41.1			
FH (60°-80°)	14371.8	34.3			G5
FVH (80°-90°)	633.4	1.5			G4/750
BL (0°-30°)	1498.9	3.6	B3/2500		
BM (30°-60°)	2298.0	5.5	B2/2500		
BH (60°-80°)	1236.9	2.9	B3/2500		G3/2500
BVH (80°-90°)	41.0	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°	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3
2.5°	14955.4	14840.2	14713.1	14297.9	13912.5	13471.6	13112.0	12861.8	12547.9	12140.7	12037.4
5°	14848.1	14725.0	14325.7	13402.1	12593.6	11807.0	11048.2	10603.3	10051.0	9490.9	9351.8
7.5°	13769.5	13640.4	13064.4	11799.0	10710.5	9574.3	8589.1	7979.3	7355.5	6843.1	6570.9
10°	12647.2	12506.2	11858.6	10323.2	8982.4	7955.4	7232.4	6650.4	6060.4	5512.2	5075.2
12.5°	11874.5	11689.8	10986.6	9246.6	8078.6	7381.4	6706.0	6008.8	5210.3	4622.3	4141.6
15°	11550.8	11340.2	10597.3	8831.4	7758.8	6940.4	6060.4	5204.3	4268.7	3595.3	3154.4
17.5°	11801.0	11526.9	10730.4	8803.6	7357.5	6243.2	5130.8	4125.7	3110.7	2429.3	2115.5
20°	12651.2	12291.7	11280.6	8795.7	6870.9	5414.9	4004.5	2868.3	2049.9	1648.7	1483.8
22.5°	13990.0	13515.3	12071.2	8859.2	6368.3	4544.8	2892.2	1948.6	1539.4	1330.9	1233.5
25°	15606.9	15056.7	13209.4	9083.7	5927.3	3698.6	2101.6	1539.4	1299.1	1146.1	1064.7
27.5°	17144.4	16697.4	14647.5	9407.5	5585.7	3015.3	1706.3	1305.0	1110.4	1009.1	943.5
30°	18679.8	18117.7	16123.4	9792.8	5174.5	2552.5	1499.7	1189.8	995.2	887.9	846.2
32.5°	19796.2	19329.4	17279.5	10070.9	4735.5	2250.6	1340.8	1088.5	929.6	820.4	758.8
35°	21109.2	20580.8	18270.6	10132.5	4453.4	2059.9	1205.7	979.3	806.5	709.1	643.6
37.5°	22527.4	21870.0	19414.8	9997.4	4233.0	1966.5	1104.4	929.6	752.8	653.5	584.0
40°	24096.7	23353.8	20513.3	9802.7	4016.4	1934.7	1027.0	891.9	711.1	609.8	538.3
42.5°	25749.3	24873.4	21464.7	9598.1	3879.4	1825.5	1019.0	854.1	679.3	570.1	498.6
45°	27137.8	26249.9	22442.0	9530.6	3782.1	1706.3	1052.8	828.3	657.5	538.3	468.8
47.5°	28244.2	27404.0	23443.2	9681.6	3726.4	1597.0	959.4	862.1	645.6	510.5	443.0
50°	29565.2	28613.7	24853.5	10132.5	3645.0	1487.8	868.0	987.2	645.6	492.6	421.1
52.5°	31221.8	30280.3	26426.7	10831.7	3482.1	1336.8	780.6	989.2	651.5	468.8	393.3
55°	33305.5	32622.2	28673.3	11598.4	3221.9	1114.4	675.4	850.2	627.7	425.1	367.5
57.5°	35303.8	34745.6	30721.2	12122.8	2874.3	870.0	588.0	685.3	574.1	373.4	327.8
59°	35850.0	35240.2	31472.1	12146.7	2614.1	758.8	544.3	566.1	562.1	349.6	303.9
60°	35850.0	35202.5	31688.6	12019.5	2425.4	697.2	516.5	504.5	586.0	333.7	290.0
62.5°	35200.5	34290.7	30985.4	11159.4	1978.4	593.9	450.9	417.1	526.4	299.9	256.2
65°	33849.8	32524.9	28589.9	9604.1	1763.9	544.3	389.3	341.7	365.5	264.2	224.5
67.5°	31597.2	29801.5	25135.6	7758.8	1678.5	530.4	335.7	290.0	276.1	226.4	196.7
70°	27630.4	25638.1	20942.3	6100.1	1605.0	524.4	282.1	244.3	222.5	190.7	166.9
72.5°	20110.0	18032.3	14868.0	4769.3	1561.3	536.3	226.4	204.6	182.7	149.0	129.1
75°	11503.1	10142.4	8356.7	3150.4	1330.9	512.5	174.8	170.8	131.1	107.3	89.4
77.5°	5943.2	5762.5	5007.6	1209.7	637.6	224.5	115.2	99.3	77.5	65.6	53.6
80°	2564.4	2536.6	2194.9	349.6	168.8	125.1	65.6	41.7	35.8	27.8	21.9
82.5°	885.9	885.9	780.6	117.2	75.5	61.6	7.9	0.0	0.0	0.0	0.0
85°	178.8	200.6	141.0	0.0	25.8	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°	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3
2.5°	11912.3	11671.9	11656.0	11505.1	11316.4	11230.9	11181.3	11268.7	11376.0	11387.9	11548.8
5°	9246.6	8994.3	9099.6	8831.4	8885.0	8831.4	8744.0	8759.9	8807.6	8658.6	8843.3
7.5°	6493.5	6302.8	6423.9	6352.4	6447.8	6485.5	6431.9	6352.4	6118.0	6090.2	6251.1
10°	4894.4	4677.9	4548.8	4413.7	4443.5	4505.1	4485.2	4427.6	4278.6	4286.6	4441.5
12.5°	3933.0	3690.7	3434.4	3102.7	3021.3	3067.0	3021.3	2987.5	2844.5	2856.4	2993.5
15°	2983.5	2784.9	2516.7	2250.6	2105.6	2119.5	1992.3	1902.9	1813.6	1706.3	1789.7
17.5°	2014.2	1893.0	1813.6	1734.1	1561.3	1521.6	1360.7	1187.9	1120.3	1070.7	1106.4
20°	1426.2	1360.7	1328.9	1324.9	1225.6	1175.9	1019.0	911.7	878.0	868.0	889.9
22.5°	1191.8	1144.2	1098.5	1072.6	1023.0	965.4	846.2	792.6	768.7	756.8	772.7
25°	1036.9	1001.1	953.5	909.8	889.9	828.3	742.9	703.2	687.3	675.4	683.3
27.5°	921.7	889.9	834.3	806.5	790.6	736.9	663.4	631.7	617.8	613.8	611.8
30°	830.3	800.5	748.9	717.1	689.3	641.6	597.9	566.1	552.2	548.2	544.3
32.5°	738.9	715.1	681.3	649.5	619.7	576.0	538.3	512.5	490.6	486.7	484.7
35°	623.7	599.9	582.0	580.0	552.2	510.5	482.7	448.9	431.0	425.1	427.1
37.5°	554.2	522.4	482.7	496.6	488.6	458.9	421.1	387.3	369.5	365.5	365.5
40°	510.5	476.7	431.0	407.2	431.0	425.1	365.5	331.7	313.8	311.9	307.9
42.5°	468.8	435.0	383.4	343.6	355.6	373.4	315.8	284.1	266.2	262.2	256.2
45°	439.0	403.2	345.6	299.9	276.1	313.8	270.1	230.4	220.5	212.5	208.6
47.5°	411.2	377.4	311.9	260.2	220.5	226.4	216.5	188.7	176.8	168.8	166.9
50°	387.3	351.6	282.1	222.5	182.7	166.9	174.8	149.0	139.0	131.1	127.1
52.5°	359.5	325.8	250.3	192.7	153.0	131.1	133.1	117.2	107.3	101.3	99.3
55°	337.7	303.9	224.5	168.8	135.1	107.3	95.3	91.4	85.4	81.4	79.5
57.5°	307.9	276.1	198.6	143.0	115.2	87.4	73.5	73.5	71.5	67.5	65.6
59°	290.0	262.2	182.7	129.1	105.3	75.5	65.6	67.5	65.6	61.6	59.6
60°	276.1	250.3	170.8	119.2	99.3	69.5	59.6	63.6	61.6	57.6	55.6
62.5°	244.3	226.4	147.0	99.3	87.4	55.6	49.7	53.6	53.6	51.6	49.7
65°	214.5	194.7	125.1	83.4	81.4	47.7	39.7	47.7	49.7	45.7	41.7
67.5°	186.7	166.9	109.3	67.5	75.5	37.7	29.8	39.7	53.6	41.7	37.7
70°	158.9	139.0	85.4	53.6	79.5	25.8	23.8	35.8	63.6	45.7	35.8
72.5°	123.2	107.3	59.6	39.7	85.4	17.9	17.9	29.8	71.5	49.7	33.8
75°	85.4	69.5	35.8	23.8	69.5	11.9	11.9	27.8	67.5	45.7	31.8
77.5°	49.7	37.7	11.9	2.0	35.8	0.0	2.0	19.9	47.7	27.8	13.9
80°	17.9	7.9	0.0	0.0	21.9	0.0	0.0	0.0	4.0	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°	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3
2.5°	11590.5	11858.6	12099.0	12462.5	12893.5	13390.1	13817.2	14276.1	14707.1	14885.9	15009.0
5°	8881.1	9212.8	9600.1	10134.5	10845.6	11721.6	12542.0	13469.6	14466.7	14965.3	15434.1
7.5°	6278.9	6616.6	7097.3	7665.4	8525.5	9568.4	10641.0	11922.2	13272.9	14061.5	14838.2
10°	4515.0	4930.2	5379.1	6155.8	7029.8	8019.0	9123.4	10553.6	12059.3	12933.3	13868.8
12.5°	3072.9	3545.7	4225.0	5095.0	6122.0	7091.3	8050.8	9415.4	11163.4	12029.5	13032.6
15°	1843.4	2105.6	2824.6	3831.7	5091.1	6298.8	7349.6	8718.2	10581.4	11642.1	12685.0
17.5°	1136.2	1257.4	1648.7	2475.0	3797.9	5325.5	6765.6	8481.8	10664.8	11956.0	13072.3
20°	905.8	953.5	1078.6	1462.0	2516.7	4252.8	6108.1	8434.1	11346.2	12935.3	14133.0
22.5°	786.6	832.3	915.7	1062.7	1583.1	3184.2	5484.4	8477.8	12323.5	14403.2	15801.6
25°	693.2	733.0	812.4	933.6	1160.0	2242.6	4817.0	8672.5	13596.7	16224.7	17710.5
27.5°	619.7	653.5	727.0	838.2	995.2	1565.3	4060.1	8908.9	15106.4	18087.9	19553.8
30°	552.2	582.0	647.6	750.8	864.1	1203.7	3229.8	9069.8	16618.0	19553.8	20870.8
32.5°	494.6	516.5	576.0	663.4	750.8	959.4	2455.2	9044.0	17740.3	20773.5	21818.3
35°	435.0	456.9	508.5	584.0	653.5	792.6	1930.8	8561.3	18717.6	22038.8	22902.9
37.5°	369.5	397.3	446.9	514.5	562.1	697.2	1561.3	7979.3	19708.8	23484.9	24112.6
40°	313.8	341.7	385.4	458.9	488.6	661.5	1199.8	7270.1	20823.1	25101.8	25439.5
42.5°	260.2	286.0	331.7	395.3	460.8	570.1	887.9	6459.7	21893.8	26484.3	26649.2
45°	210.6	236.4	284.1	347.6	492.6	472.8	687.3	5591.6	22757.9	27634.4	27688.0
47.5°	166.9	190.7	240.4	327.8	458.9	377.4	490.6	4910.3	23482.9	28532.2	28391.2
50°	129.1	149.0	200.6	375.4	401.2	311.9	371.5	4683.9	24132.4	29088.4	28722.9
52.5°	101.3	119.2	164.9	351.6	311.9	258.2	311.9	4896.4	25022.3	29549.3	28909.7
55°	81.4	99.3	129.1	200.6	212.5	218.5	266.2	5095.0	26557.8	30629.9	30012.1
57.5°	67.5	85.4	105.3	141.0	160.9	184.7	236.4	5116.9	28367.4	32425.5	31841.5
59°	61.6	77.5	95.3	125.1	141.0	168.8	222.5	4997.7	29005.0	33079.1	32787.1
60°	57.6	73.5	89.4	115.2	131.1	158.9	214.5	4884.5	29032.8	33055.2	33190.3
62.5°	49.7	65.6	79.5	97.3	111.2	135.1	192.7	4465.4	27856.9	31972.6	32948.0
65°	43.7	57.6	71.5	83.4	95.3	121.2	174.8	3700.6	25848.7	30226.6	31289.3
67.5°	39.7	49.7	65.6	73.5	85.4	107.3	154.9	2637.9	23339.9	28091.3	28780.5
70°	35.8	47.7	59.6	67.5	77.5	93.4	133.1	1515.6	19708.8	24964.7	25455.4
72.5°	33.8	45.7	53.6	63.6	69.5	83.4	121.2	713.1	14431.0	19998.8	21280.0
75°	29.8	41.7	49.7	59.6	65.6	75.5	103.3	341.7	9598.1	14472.7	15928.7
77.5°	17.9	33.8	45.7	53.6	57.6	65.6	85.4	196.7	6126.0	10017.3	11799.0
80°	0.0	11.9	33.8	45.7	49.7	55.6	65.6	154.9	3277.5	5722.7	6868.9
82.5°	0.0	0.0	23.8	35.8	33.8	37.7	49.7	97.3	1477.9	3740.3	4215.1
85°	0.0	0.0	7.9	27.8	23.8	17.9	33.8	33.8	323.8	1893.0	2361.8
87.5°	0.0	0.0	0.0	2.0	11.9	7.9	13.9	4.0	2.0	141.0	572.1
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°	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3	13658.3
2.5°	15440.1	15587.1	15835.4	15952.6	15894.9	15650.6	15358.6	15060.7	14885.9	14955.4
5°	16389.6	17146.4	17583.4	17728.4	17486.0	16937.8	16220.7	15275.2	14939.5	14848.1
7.5°	16389.6	17813.8	18715.6	18874.5	18334.2	17259.6	15914.8	14438.9	13948.3	13769.5
10°	15813.5	17752.2	19009.6	19261.8	18507.0	16900.1	15098.4	13414.0	12832.0	12647.2
12.5°	15164.0	17251.6	18576.6	18924.2	18304.4	16542.5	14532.3	12720.7	12035.4	11874.5
15°	14764.7	16635.9	17732.3	17984.6	17722.4	16333.9	14397.2	12512.2	11705.7	11550.8
17.5°	14907.7	16159.1	16554.4	16701.4	16878.2	16260.4	14764.7	12969.0	11948.0	11801.0
20°	15446.0	15656.6	15452.0	15636.7	16113.4	16332.0	15640.7	14073.4	12847.9	12651.2
22.5°	16359.8	15396.4	14822.3	14895.8	15475.8	16568.3	16979.5	15650.6	14236.3	13990.0
25°	17424.5	15606.9	14472.7	14407.2	15003.1	16880.2	18203.1	17366.9	15879.1	15606.9
27.5°	18763.3	16079.7	14401.2	14335.6	14838.2	17172.2	19220.1	19063.2	17609.2	17144.4
30°	19796.2	16544.5	14613.7	14462.8	15003.1	17374.8	20036.5	20503.3	18987.7	18679.8
32.5°	20537.1	17092.7	14959.4	14740.9	15467.9	17724.4	20666.2	21822.3	20263.0	19796.2
35°	21101.2	17688.6	15517.5	15158.0	16107.5	18254.8	21256.2	23226.6	21619.7	21109.2
37.5°	21629.6	18524.9	16389.6	15960.5	17110.6	19108.9	21879.9	24819.7	23137.3	22527.4
40°	22366.5	19472.4	17734.3	17352.9	18797.0	20272.9	22658.5	26480.3	24863.4	24096.7
42.5°	23103.5	20489.4	19110.9	19214.2	20900.6	21687.2	23663.6	28236.3	26567.7	25749.3
45°	23776.9	21538.2	21071.4	21548.2	22853.2	23238.6	24662.8	29251.3	27928.4	27137.8
47.5°	24376.8	22849.2	23020.1	24289.4	25074.0	24642.9	25409.7	30127.3	28941.4	28244.2
50°	25074.0	24545.6	25588.4	27384.1	27630.4	25914.2	26089.0	31164.2	30125.3	29565.2
52.5°	25836.7	26333.3	28432.9	30016.1	29936.6	27294.7	26772.3	32326.2	31748.2	31221.8
55°	26702.8	27777.4	30937.7	32479.2	32411.6	28836.2	27904.6	33762.4	33782.2	33305.5
57.5°	27988.0	29020.9	32638.1	34471.5	34584.7	30616.0	29823.4	35371.3	35621.6	35303.8
59°	28909.7	29827.4	33311.5	35303.8	35764.6	31992.5	31225.8	36304.9	36140.1	35850.0
60°	29593.0	30339.8	33645.2	35738.8	36449.9	32926.1	32260.7	36853.2	36201.6	35850.0
62.5°	31283.4	31456.2	34247.0	36231.4	37238.5	34999.9	35172.7	37786.8	35774.6	35200.5
65°	32072.0	32161.3	34239.1	35349.5	36475.7	36614.8	37814.6	37814.6	34731.7	33849.8
67.5°	31742.2	31311.2	32540.7	32425.5	33549.8	35655.4	38807.8	36428.1	32737.4	31597.2
70°	29060.6	27402.0	26855.7	26905.4	27765.5	31013.2	36841.2	32348.1	28963.3	27630.4
72.5°	24180.1	20201.4	18852.7	20392.1	20616.6	23834.5	31396.6	24360.9	21359.5	20110.0
75°	19448.6	14240.3	12047.3	13672.2	14053.6	17442.3	24287.4	15171.9	12476.4	11503.1
77.5°	13972.1	10221.9	8644.7	8531.5	9024.1	11062.1	17233.8	7635.6	6368.3	5943.2
80°	7937.5	6727.8	7244.3	6835.1	7083.4	6916.5	8187.8	3349.0	2743.2	2564.4
82.5°	4791.1	3976.7	4306.5	3585.4	4536.9	3950.9	3154.4	1072.6	931.6	885.9
85°	3116.6	2173.1	1132.2	758.8	1563.3	2524.7	705.2	292.0	224.5	178.8
87.5°	1074.6	554.2	55.6	23.8	166.9	470.8	25.8	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)