

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: P324484

Luminaire Tested: **GAN-SA0B-740-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324484  
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-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 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: 41930 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

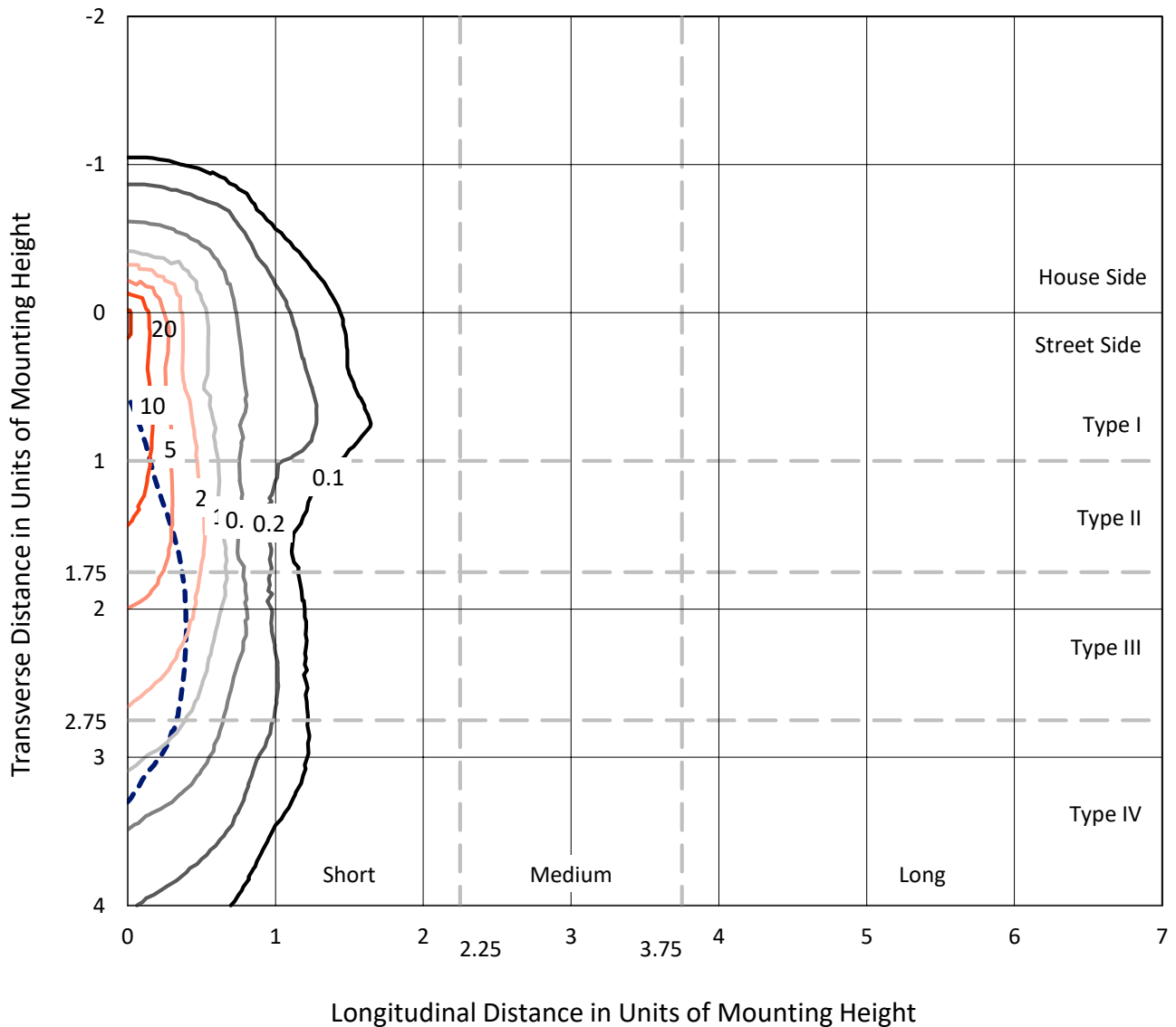
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

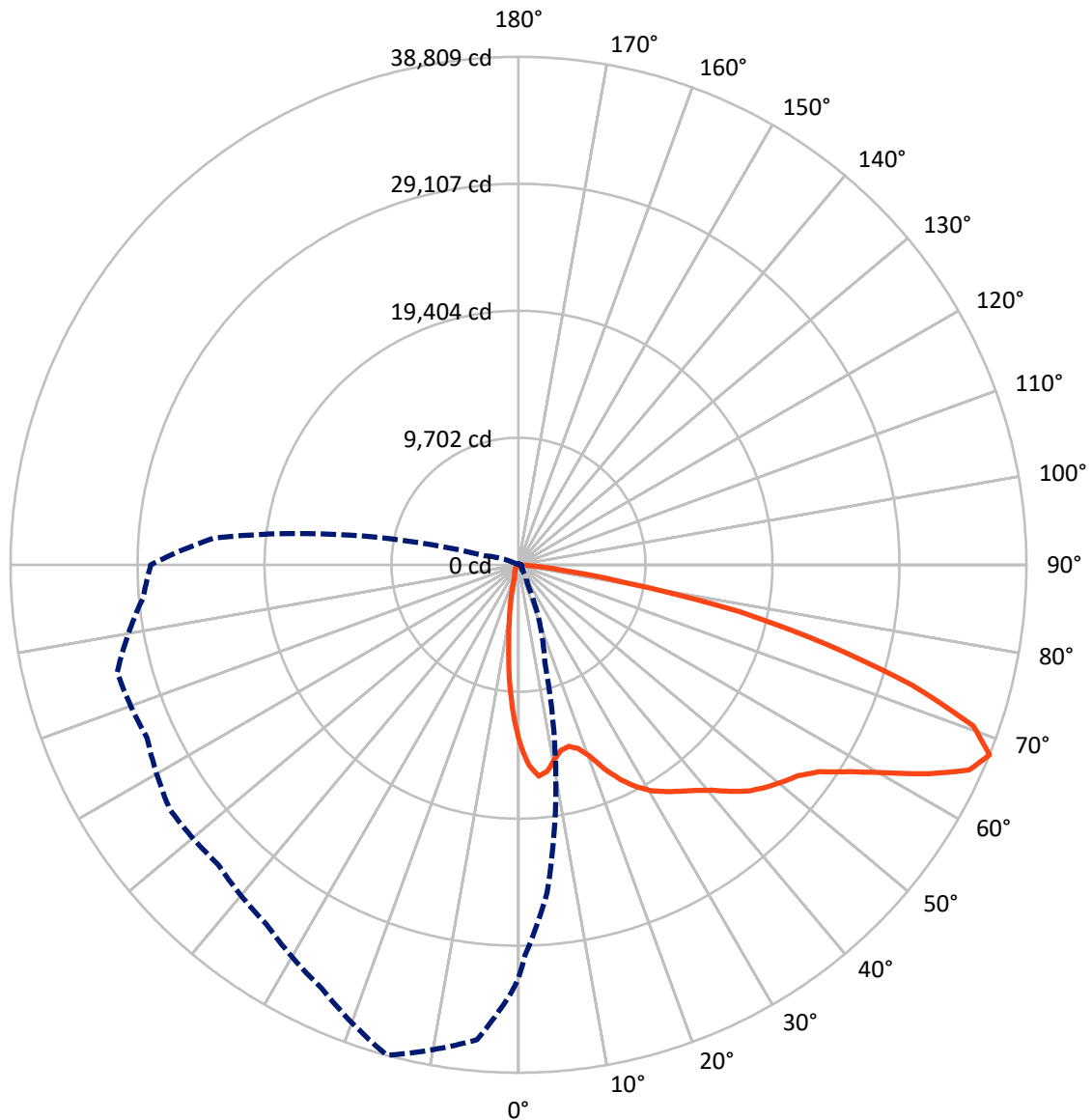
× Max cd  
 - - - 1/2 Max cd



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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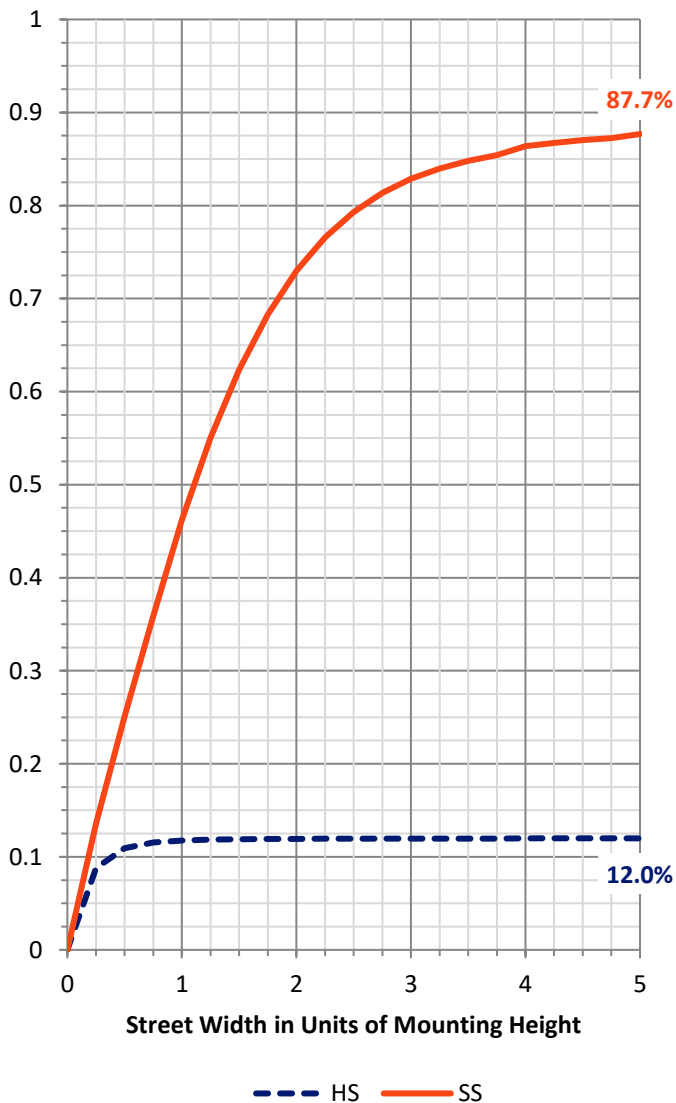
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5074.9	0.0	5074.9
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	36855.1	0.0	36855.1
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	41930.0	0.0	41930.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1048.3	2.5
10°-20°	2086.6	5.0
20°-30°	2963.0	7.1
30°-40°	4376.5	10.4
40°-50°	6311.8	15.1
50°-60°	8860.5	21.1
60°-70°	10328.8	24.6
70°-80°	5280.3	12.6
80°-90°	674.4	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°	41930.0	100.0
0°-180°	41930.0	100.0

**Coefficient of Utilization**

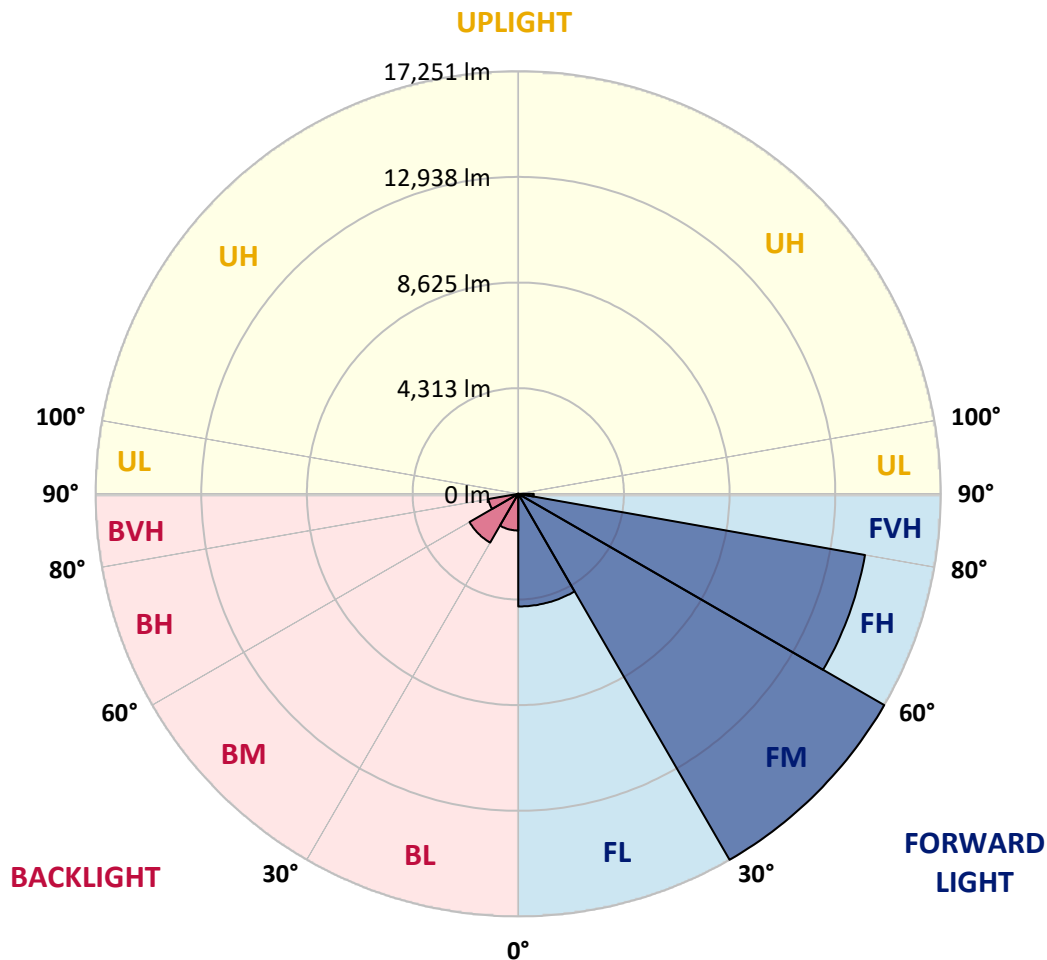


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4598.9	11.0			
FM (30°-60°)	17250.7	41.1			
FH (60°-80°)	14372.1	34.3			G5
FVH (80°-90°)	633.4	1.5			G4/750
BL (0°-30°)	1498.9	3.6	B3/2500		
BM (30°-60°)	2298.1	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°	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6
2.5°	14955.8	14840.5	14713.4	14298.2	13912.9	13471.9	13112.4	12862.1	12548.2	12141.0	12037.7
5°	14848.5	14725.3	14326.1	13402.4	12593.9	11807.3	11048.5	10603.5	10051.3	9491.1	9352.1
7.5°	13769.9	13640.7	13064.7	11799.3	10710.8	9574.5	8589.3	7979.4	7355.7	6843.2	6571.1
10°	12647.5	12506.5	11858.9	10323.4	8982.6	7955.6	7232.6	6650.5	6060.6	5512.3	5075.3
12.5°	11874.8	11690.1	10986.9	9246.8	8078.8	7381.5	6706.2	6008.9	5210.4	4622.4	4141.7
15°	11551.0	11340.5	10597.5	8831.6	7759.0	6940.5	6060.6	5204.4	4268.8	3595.4	3154.4
17.5°	11801.3	11527.2	10730.6	8803.8	7357.7	6243.3	5130.9	4125.8	3110.7	2429.4	2115.5
20°	12651.5	12292.0	11280.9	8795.9	6871.0	5415.0	4004.6	2868.4	2050.0	1648.7	1483.9
22.5°	13990.4	13515.6	12071.5	8859.4	6368.5	4544.9	2892.2	1948.7	1539.5	1330.9	1233.6
25°	15607.3	15057.1	13209.7	9083.9	5927.5	3698.7	2101.6	1539.5	1299.1	1146.2	1064.7
27.5°	17144.8	16697.8	14647.9	9407.7	5585.8	3015.4	1706.3	1305.1	1110.4	1009.1	943.5
30°	18680.3	18118.1	16123.8	9793.0	5174.6	2552.5	1499.7	1189.9	995.2	887.9	846.2
32.5°	19796.7	19329.8	17279.9	10071.1	4735.6	2250.6	1340.8	1088.6	929.6	820.4	758.8
35°	21109.7	20581.3	18271.1	10132.7	4453.6	2059.9	1205.8	979.3	806.5	709.2	643.6
37.5°	22528.0	21870.5	19415.3	9997.6	4233.1	1966.6	1104.4	929.6	752.9	653.5	584.0
40°	24097.3	23354.3	20513.8	9803.0	4016.5	1934.8	1027.0	891.9	711.1	609.8	538.3
42.5°	25750.0	24873.9	21465.2	9598.4	3879.5	1825.5	1019.0	854.2	679.4	570.1	498.6
45°	27138.5	26250.5	22442.6	9530.8	3782.1	1706.3	1052.8	828.3	657.5	538.3	468.8
47.5°	28244.9	27404.6	23443.7	9681.8	3726.5	1597.1	959.4	862.1	645.6	510.5	443.0
50°	29565.9	28614.4	24854.1	10132.7	3645.1	1487.8	868.1	987.3	645.6	492.6	421.1
52.5°	31222.5	30281.0	26427.3	10831.9	3482.2	1336.9	780.7	989.2	651.5	468.8	393.3
55°	33306.3	32623.0	28674.0	11598.7	3222.0	1114.4	675.4	850.2	627.7	425.1	367.5
57.5°	35304.6	34746.4	30722.0	12123.1	2874.3	870.1	588.0	685.3	574.1	373.4	327.8
59°	35850.9	35241.1	31472.8	12147.0	2614.1	758.8	544.3	566.1	562.2	349.6	303.9
60°	35850.9	35203.3	31689.3	12019.8	2425.4	697.2	516.5	504.6	586.0	333.7	290.0
62.5°	35201.3	34291.6	30986.2	11159.7	1978.5	593.9	450.9	417.1	526.4	299.9	256.2
65°	33850.6	32525.6	28590.5	9604.3	1763.9	544.3	389.3	341.7	365.5	264.2	224.5
67.5°	31598.0	29802.3	25136.2	7759.0	1678.5	530.4	335.7	290.0	276.1	226.5	196.7
70°	27631.1	25638.7	20942.8	6100.3	1605.0	524.4	282.1	244.3	222.5	190.7	166.9
72.5°	20110.5	18032.7	14868.3	4769.4	1561.3	536.3	226.5	204.6	182.8	149.0	129.1
75°	11503.4	10142.7	8356.9	3150.5	1330.9	512.5	174.8	170.8	131.1	107.3	89.4
77.5°	5943.4	5762.6	5007.8	1209.7	637.6	224.5	115.2	99.3	77.5	65.6	53.6
80°	2564.5	2536.7	2195.0	349.6	168.8	125.1	65.6	41.7	35.8	27.8	21.9
82.5°	885.9	885.9	780.7	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°	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6
2.5°	11912.6	11672.2	11656.3	11505.3	11316.6	11231.2	11181.6	11269.0	11376.2	11388.1	11549.0
5°	9246.8	8994.5	9099.8	8831.6	8885.3	8831.6	8744.2	8760.1	8807.8	8658.8	8843.5
7.5°	6493.6	6302.9	6424.1	6352.6	6447.9	6485.7	6432.0	6352.6	6118.2	6090.4	6251.3
10°	4894.5	4678.0	4548.9	4413.8	4443.6	4505.2	4485.3	4427.7	4278.7	4286.7	4441.6
12.5°	3933.1	3690.8	3434.5	3102.8	3021.3	3067.0	3021.3	2987.6	2844.6	2856.5	2993.5
15°	2983.6	2785.0	2516.8	2250.6	2105.6	2119.5	1992.4	1903.0	1813.6	1706.3	1789.8
17.5°	2014.2	1893.1	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	1176.0	1019.0	911.8	878.0	868.1	889.9
22.5°	1191.9	1144.2	1098.5	1072.7	1023.0	965.4	846.2	792.6	768.7	756.8	772.7
25°	1036.9	1001.2	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	737.0	663.5	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	548.3	544.3
32.5°	738.9	715.1	681.3	649.6	619.8	576.1	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	431.1	425.1	427.1
37.5°	554.2	522.4	482.7	496.6	488.7	458.9	421.1	387.4	369.5	365.5	365.5
40°	510.5	476.7	431.1	407.2	431.1	425.1	365.5	331.7	313.9	311.9	307.9
42.5°	468.8	435.0	383.4	343.7	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	313.9	270.2	230.4	220.5	212.5	208.6
47.5°	411.2	377.4	311.9	260.2	220.5	226.5	216.5	188.7	176.8	168.8	166.9
50°	387.4	351.6	282.1	222.5	182.8	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	182.8	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	226.5	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°	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6
2.5°	11590.8	11858.9	12099.3	12462.8	12893.8	13390.5	13817.5	14276.4	14707.4	14886.2	15009.4
5°	8881.3	9213.0	9600.4	10134.7	10845.8	11721.9	12542.3	13469.9	14467.1	14965.7	15434.5
7.5°	6279.1	6616.8	7097.5	7665.6	8525.7	9568.6	10641.2	11922.5	13273.3	14061.9	14838.6
10°	4515.1	4930.3	5379.2	6155.9	7029.9	8019.2	9123.6	10553.8	12059.6	12933.6	13869.2
12.5°	3073.0	3545.8	4225.1	5095.2	6122.1	7091.5	8051.0	9415.6	11163.7	12029.8	13032.9
15°	1843.4	2105.6	2824.7	3831.8	5091.2	6298.9	7349.8	8718.4	10581.7	11642.4	12685.3
17.5°	1136.2	1257.4	1648.7	2475.1	3798.0	5325.6	6765.7	8482.0	10665.1	11956.3	13072.6
20°	905.8	953.5	1078.6	1462.0	2516.8	4252.9	6108.2	8434.3	11346.4	12935.6	14133.4
22.5°	786.6	832.3	915.7	1062.7	1583.2	3184.2	5484.5	8478.0	12323.7	14403.5	15802.0
25°	693.3	733.0	812.4	933.6	1160.1	2242.7	4817.1	8672.7	13597.0	16225.1	17710.9
27.5°	619.8	653.5	727.0	838.3	995.2	1565.3	4060.2	8909.1	15106.7	18088.3	19554.3
30°	552.2	582.0	647.6	750.9	864.1	1203.8	3229.9	9070.0	16618.4	19554.3	20871.3
32.5°	494.6	516.5	576.1	663.5	750.9	959.4	2455.2	9044.2	17740.7	20774.0	21818.8
35°	435.0	456.9	508.5	584.0	653.5	792.6	1930.8	8561.5	18718.0	22039.3	22903.4
37.5°	369.5	397.3	446.9	514.5	562.2	697.2	1561.3	7979.4	19709.3	23485.4	24113.1
40°	313.9	341.7	385.4	458.9	488.7	661.5	1199.8	7270.3	20823.6	25102.4	25440.1
42.5°	260.2	286.0	331.7	395.3	460.8	570.1	887.9	6459.8	21894.3	26484.9	26649.8
45°	210.6	236.4	284.1	347.6	492.6	472.8	687.3	5591.8	22758.4	27635.1	27688.7
47.5°	166.9	190.7	240.4	327.8	458.9	377.4	490.6	4910.4	23483.5	28532.9	28391.9
50°	129.1	149.0	200.6	375.4	401.3	311.9	371.5	4684.0	24133.0	29089.1	28723.6
52.5°	101.3	119.2	164.9	351.6	311.9	258.2	311.9	4896.5	25022.9	29550.0	28910.3
55°	81.4	99.3	129.1	200.6	212.5	218.5	266.2	5095.2	26558.4	30630.6	30012.8
57.5°	67.5	85.4	105.3	141.0	160.9	184.7	236.4	5117.0	28368.1	32426.3	31842.3
59°	61.6	77.5	95.3	125.1	141.0	168.8	222.5	4997.8	29005.7	33079.8	32787.8
60°	57.6	73.5	89.4	115.2	131.1	158.9	214.5	4884.6	29033.5	33056.0	33191.1
62.5°	49.7	65.6	79.5	97.3	111.2	135.1	192.7	4465.5	27857.5	31973.4	32948.7
65°	43.7	57.6	71.5	83.4	95.3	121.2	174.8	3700.7	25849.3	30227.3	31290.1
67.5°	39.7	49.7	65.6	73.5	85.4	107.3	154.9	2638.0	23340.4	28091.9	28781.2
70°	35.8	47.7	59.6	67.5	77.5	93.4	133.1	1515.6	19709.3	24965.3	25456.0
72.5°	33.8	45.7	53.6	63.6	69.5	83.4	121.2	713.1	14431.3	19999.3	21280.5
75°	29.8	41.7	49.7	59.6	65.6	75.5	103.3	341.7	9598.4	14473.1	15929.1
77.5°	17.9	33.8	45.7	53.6	57.6	65.6	85.4	196.7	6126.1	10017.5	11799.3
80°	0.0	11.9	33.8	45.7	49.7	55.6	65.6	154.9	3277.6	5722.9	6869.0
82.5°	0.0	0.0	23.8	35.8	33.8	37.7	49.7	97.3	1477.9	3740.4	4215.2
85°	0.0	0.0	7.9	27.8	23.8	17.9	33.8	33.8	323.8	1893.1	2361.9
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



REPORT NUMBER: P324484

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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6	13658.6
2.5°	15440.4	15587.4	15835.7	15952.9	15895.3	15651.0	15359.0	15061.0	14886.2	14955.8
5°	16389.9	17146.8	17583.8	17728.8	17486.4	16938.2	16221.1	15275.6	14939.9	14848.5
7.5°	16389.9	17814.2	18716.0	18875.0	18334.7	17260.0	15915.2	14439.3	13948.6	13769.9
10°	15813.9	17752.6	19010.0	19262.3	18507.5	16900.5	15098.8	13414.3	12832.3	12647.5
12.5°	15164.3	17252.1	18577.0	18924.6	18304.9	16542.9	14532.6	12721.0	12035.7	11874.8
15°	14765.1	16636.3	17732.8	17985.0	17722.8	16334.3	14397.6	12512.5	11706.0	11551.0
17.5°	14908.1	16159.5	16554.8	16701.8	16878.6	16260.8	14765.1	12969.3	11948.3	11801.3
20°	15446.4	15657.0	15452.4	15637.1	16113.8	16332.3	15641.1	14073.8	12848.2	12651.5
22.5°	16360.2	15396.7	14822.7	14896.2	15476.2	16568.7	16979.9	15651.0	14236.7	13990.4
25°	17424.9	15607.3	14473.1	14407.5	15003.4	16880.6	18203.5	17367.3	15879.4	15607.3
27.5°	18763.7	16080.1	14401.5	14336.0	14838.6	17172.6	19220.6	19063.7	17609.6	17144.8
30°	19796.7	16544.9	14614.1	14463.1	15003.4	17375.2	20037.0	20503.8	18988.2	18680.3
32.5°	20537.6	17093.1	14959.7	14741.2	15468.2	17724.8	20666.7	21822.8	20263.5	19796.7
35°	21101.7	17689.1	15517.9	15158.4	16107.9	18255.2	21256.7	23227.2	21620.2	21109.7
37.5°	21630.1	18525.3	16389.9	15960.9	17111.0	19109.4	21880.4	24820.3	23137.8	22528.0
40°	22367.1	19472.9	17734.8	17353.4	18797.5	20273.4	22659.1	26481.0	24864.0	24097.3
42.5°	23104.0	20489.9	19111.3	19214.6	20901.1	21687.7	23664.2	28237.0	26568.4	25750.0
45°	23777.4	21538.7	21071.9	21548.7	22853.8	23239.1	24663.4	29252.0	27929.1	27138.5
47.5°	24377.3	22849.8	23020.6	24289.9	25074.6	24643.5	25410.3	30128.0	28942.1	28244.9
50°	25074.6	24546.2	25589.1	27384.8	27631.1	25914.8	26089.6	31164.9	30126.0	29565.9
52.5°	25837.4	26334.0	28433.6	30016.8	29937.3	27295.4	26773.0	32327.0	31748.9	31222.5
55°	26703.4	27778.1	30938.5	32479.9	32412.4	28836.9	27905.2	33763.2	33783.0	33306.3
57.5°	27988.6	29021.6	32638.9	34472.3	34585.5	30616.7	29824.1	35372.2	35622.5	35304.6
59°	28910.3	29828.1	33312.3	35304.6	35765.5	31993.3	31226.5	36305.8	36140.9	35850.9
60°	29593.7	30340.6	33646.0	35739.7	36450.8	32926.9	32261.4	36854.0	36202.5	35850.9
62.5°	31284.1	31456.9	34247.9	36232.3	37239.4	35000.7	35173.5	37787.7	35775.4	35201.3
65°	32072.7	32162.1	34239.9	35350.3	36476.6	36615.7	37815.5	37815.5	34732.5	33850.6
67.5°	31743.0	31311.9	32541.5	32426.3	33550.6	35656.2	38808.7	36428.9	32738.2	31598.0
70°	29061.3	27402.7	26856.4	26906.1	27766.2	31014.0	36842.1	32348.8	28964.0	27631.1
72.5°	24180.7	20201.9	18853.1	20392.6	20617.0	23835.0	31397.3	24361.4	21360.0	20110.5
75°	19449.0	14240.6	12047.6	13672.5	14053.9	17442.7	24287.9	15172.3	12476.7	11503.4
77.5°	13972.5	10222.1	8644.9	8531.7	9024.3	11062.4	17234.2	7635.8	6368.5	5943.4
80°	7937.7	6728.0	7244.5	6835.3	7083.6	6916.7	8188.0	3349.1	2743.2	2564.5
82.5°	4791.2	3976.8	4306.6	3585.5	4537.0	3951.0	3154.4	1072.7	931.6	885.9
85°	3116.7	2173.1	1132.3	758.8	1563.3	2524.7	705.2	292.0	224.5	178.8
87.5°	1074.7	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)