

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: P324164

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0B-740-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41933 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

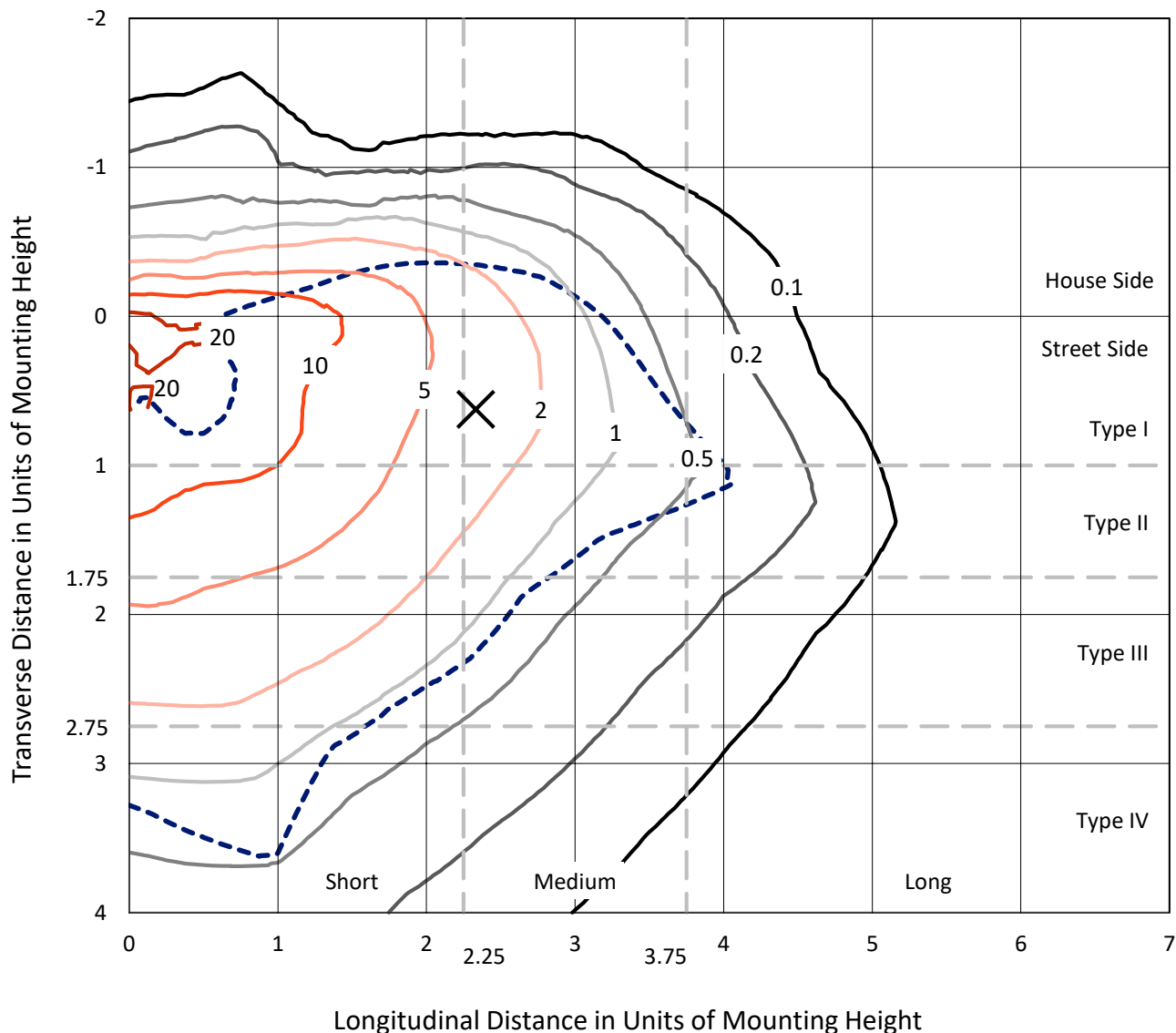
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

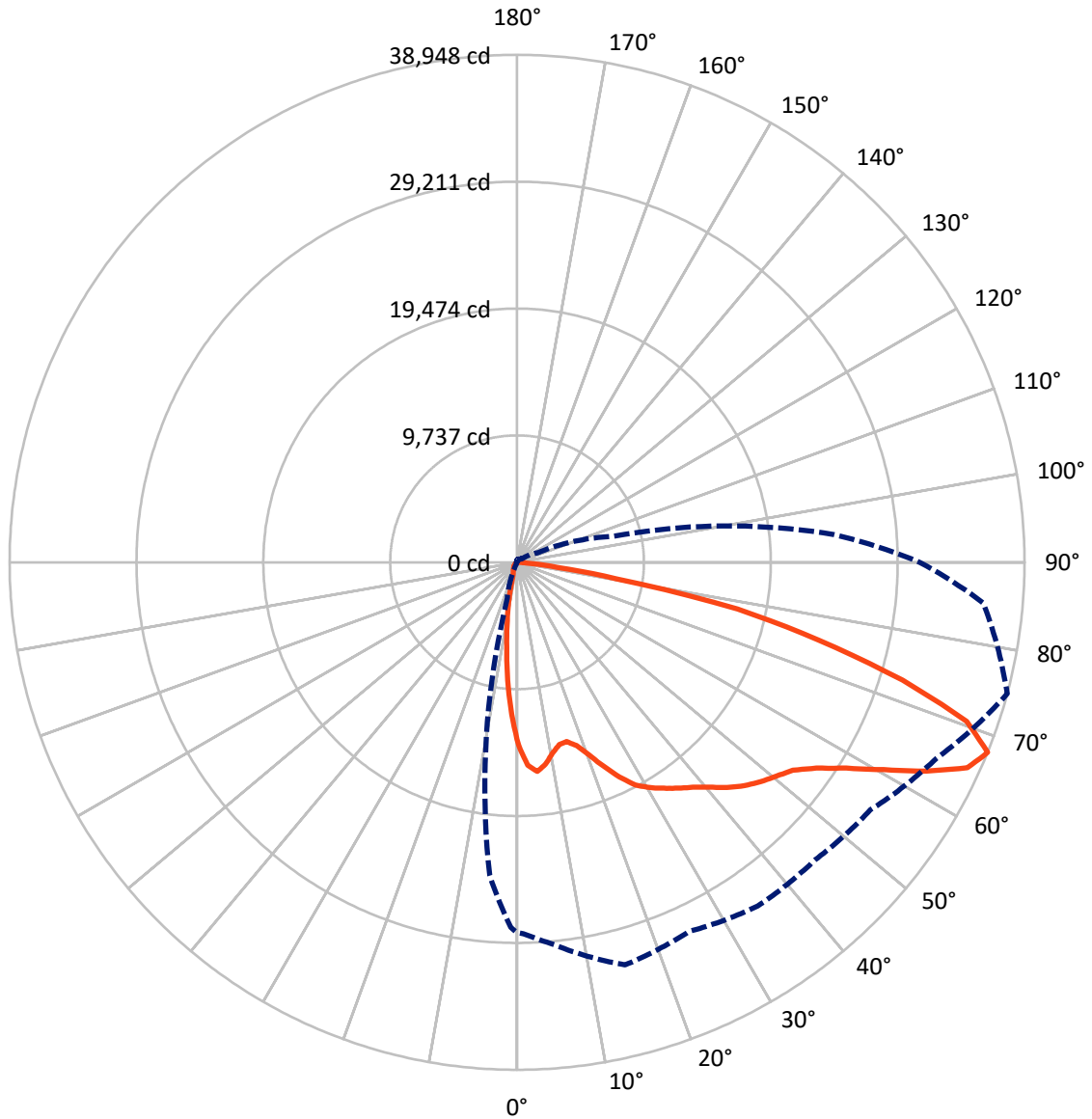
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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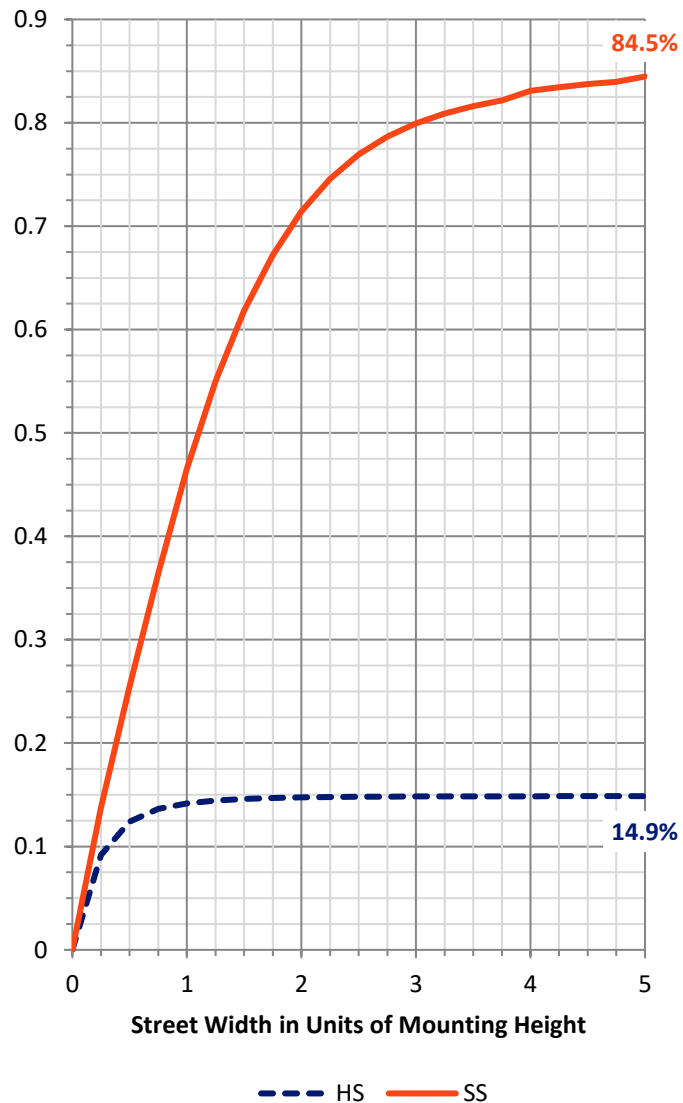
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6292.5	0.0	6292.5
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	35640.5	0.0	35640.5
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	41933.0	0.0	41933.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1067.1	2.5
10°-20°	2101.1	5.0
20°-30°	2972.5	7.1
30°-40°	4370.5	10.4
40°-50°	6281.8	15.0
50°-60°	8843.1	21.1
60°-70°	10328.0	24.6
70°-80°	5269.0	12.6
80°-90°	699.9	1.7
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°	41933.0	100.0
0°-180°	41933.0	100.0

**Coefficient of Utilization**

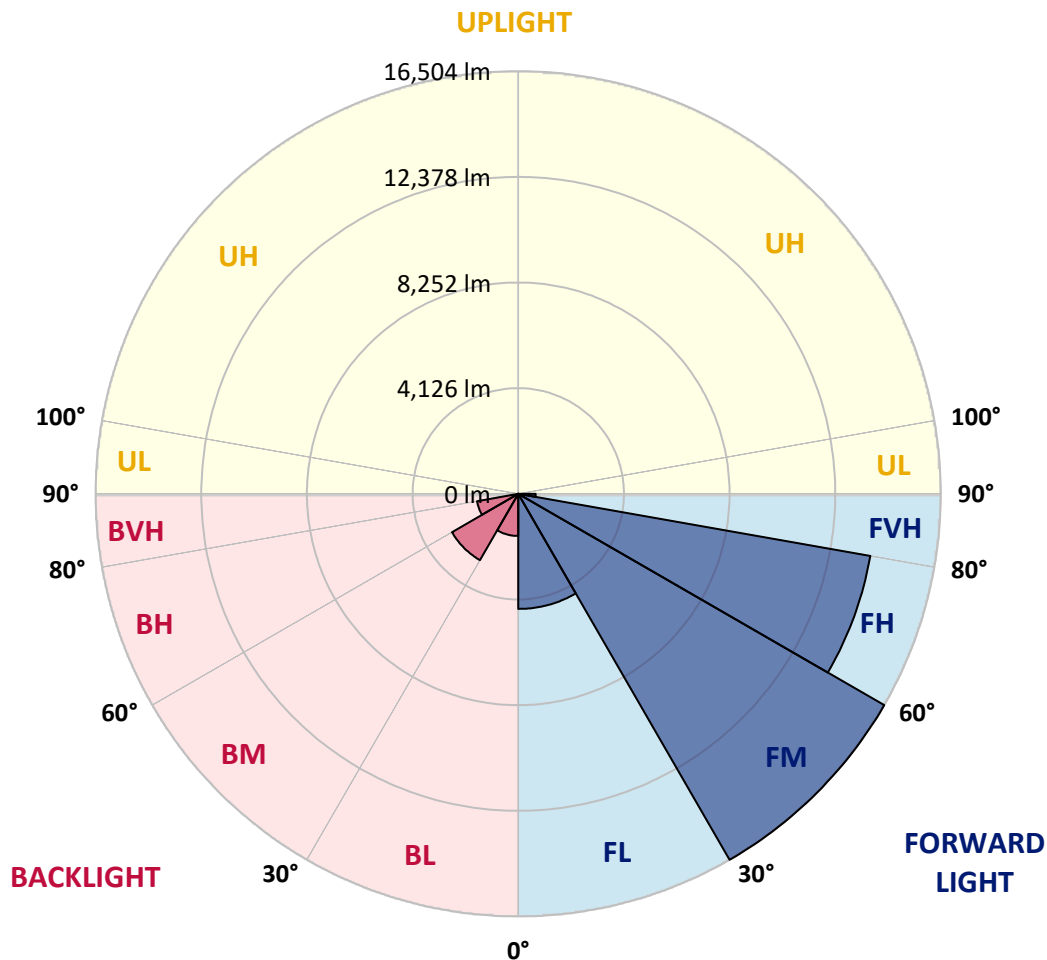


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4495.2	10.7			
FM (30°-60°)	16504.1	39.4			
FH (60°-80°)	13962.5	33.3			G5
FVH (80°-90°)	678.7	1.6			G4/750
BL (0°-30°)	1645.6	3.9	B3/2500		
BM (30°-60°)	2991.3	7.1	B3/5000		
BH (60°-80°)	1634.4	3.9	B3/2500		G3/2500
BVH (80°-90°)	21.2	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-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8
2.5°	15249.7	15273.6	15396.7	15682.8	15994.6	16018.5	16229.0	16012.5	15939.0	15589.4	15227.9
5°	15364.9	15456.3	15879.4	16719.7	17448.7	17683.1	17849.9	17424.8	16977.9	16123.7	15212.0
7.5°	14437.3	14590.2	15255.7	16832.9	18136.0	18712.0	18821.3	18155.9	17061.3	15655.0	14284.3
10°	13249.4	13424.2	14226.7	16165.5	17955.2	18942.5	19093.4	18221.4	16648.2	14896.1	13281.2
12.5°	12288.0	12492.6	13313.0	15414.6	17333.5	18426.0	18724.0	18000.9	16290.6	14357.8	12595.9
15°	11845.0	12079.4	12941.5	14929.9	16644.2	17504.3	17750.6	17438.8	16092.0	14272.4	12437.0
17.5°	12099.3	12353.5	13243.4	14971.6	15996.6	16364.1	16562.7	16689.9	16092.0	14786.9	12901.8
20°	13142.1	13416.3	14357.8	15394.7	15460.3	15323.2	15535.8	15982.7	16278.7	15764.2	14018.1
22.5°	14584.3	14906.1	15968.8	16119.8	15198.1	14679.6	14707.4	15408.6	16618.4	17003.7	15567.5
25°	16342.3	16735.6	17816.2	17200.4	15307.3	14296.2	14286.3	14935.9	16950.1	18245.2	17293.7
27.5°	18088.3	18521.4	19470.9	18519.4	15758.2	14226.7	14206.9	14792.8	17273.9	19349.7	19178.9
30°	19552.3	19973.4	20791.8	19474.8	16244.9	14389.6	14294.3	14945.8	17466.6	20066.8	20553.5
32.5°	20744.2	21081.8	21743.3	20132.3	16765.4	14705.4	14498.9	15355.0	17794.3	20672.6	21816.8
35°	22055.2	22410.8	22674.9	20758.1	17349.4	15160.3	14864.4	16004.6	18298.9	21288.4	23201.3
37.5°	23551.0	23904.5	23872.8	21330.1	18090.3	15913.2	15724.5	17033.5	19083.5	21898.3	24746.8
40°	25014.9	25376.5	25118.2	21955.9	18960.3	17154.7	17015.6	18579.0	20134.3	22678.9	26558.4
42.5°	26385.6	26776.9	26224.7	22547.8	19997.3	18720.0	18958.4	20569.3	21449.3	23640.3	28119.7
45°	27490.0	27889.3	27152.3	23123.9	21089.8	20619.0	21336.1	22774.3	23030.5	24452.8	29174.5
47.5°	28292.5	28670.0	27795.9	23699.9	22488.2	22941.1	24190.6	25086.5	24458.8	25158.0	29923.4
50°	28805.0	29099.0	27984.6	24421.0	24323.7	25650.6	27164.3	27601.3	25803.6	25793.6	30833.2
52.5°	29130.8	29263.9	28123.7	25173.9	26238.6	28600.4	30076.3	30213.4	27188.1	26492.8	32058.8
55°	30253.1	30360.4	29109.0	26085.6	27821.8	31184.8	32710.3	32583.2	28755.4	27861.5	33504.9
57.5°	32168.0	32281.3	31145.0	27396.7	29103.0	32781.8	34619.3	34847.7	30592.8	29784.3	35054.3
60°	33129.5	33340.0	32934.8	29057.3	30344.5	33802.9	35920.4	36649.4	32889.1	32319.0	36556.0
62.5°	32257.4	32563.3	33151.3	30898.7	31578.1	34365.0	36325.6	37295.0	35241.0	35272.8	37481.7
65°	30517.3	30761.7	31758.8	31907.8	32293.2	34295.5	35324.5	36393.1	36681.2	37986.2	37432.0
67.5°	28415.7	28507.1	29353.3	31987.3	31256.3	32205.8	32317.0	33107.6	35543.0	38947.7	35928.3
70°	25390.4	25440.0	26179.0	29327.5	26860.3	27068.9	26904.0	27064.9	30557.1	36605.7	32132.3
72.5°	20434.3	20559.4	21610.2	24355.5	19568.2	18966.3	20261.5	20189.9	23533.1	30926.5	23864.8
75°	15045.1	15261.6	16848.8	19617.9	13734.1	12423.1	13368.6	13620.9	16729.6	23922.4	14924.0
77.5°	10534.0	10694.9	12232.4	14421.4	9940.0	8883.3	8541.6	8841.5	11042.5	17305.7	7518.6
80°	6068.5	6128.1	7109.4	8327.1	6698.2	7663.6	6942.5	7149.1	6616.8	7699.4	3233.9
82.5°	3970.8	3980.8	4364.2	4956.1	4171.5	4846.9	3587.5	4586.6	4070.2	3092.9	1052.8
85°	2145.3	2157.2	2530.7	3517.9	2361.8	1334.9	784.6	1611.0	2516.8	709.2	288.0
87.5°	236.4	216.5	762.8	1279.3	655.5	121.2	41.7	180.8	403.2	45.7	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°	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8
2.5°	15043.1	14878.3	14467.1	14032.0	13682.4	13354.7	13024.9	12621.7	12309.8	12246.3	12143.0
5°	14721.3	14198.9	13336.8	12470.7	11773.5	10893.5	10335.3	9900.3	9475.2	9449.4	9364.0
7.5°	13597.0	12909.7	11696.0	10498.2	9516.9	8678.7	7832.4	7266.3	6821.4	6664.4	6571.1
10°	12516.4	11743.7	10228.1	8861.4	7985.4	7244.5	6648.5	6056.6	5520.3	5150.8	4983.9
12.5°	11761.6	10907.4	9236.8	8058.9	7431.2	6728.0	6001.0	5262.0	4644.2	4199.3	3927.1
15°	11469.6	10557.8	8905.1	7741.1	6966.4	6076.4	5146.8	4302.6	3617.3	3214.0	2969.7
17.5°	11817.2	10756.4	8879.3	7353.7	6271.1	5164.7	4137.7	3140.5	2494.9	2189.0	2032.1
20°	12699.2	11388.1	8869.4	6879.0	5444.8	4084.1	2802.8	2065.9	1674.5	1503.7	1430.2
22.5°	13946.6	12194.6	8948.8	6410.2	4584.7	2918.0	1934.8	1517.6	1317.0	1225.6	1183.9
25°	15551.7	13326.9	9173.3	5985.1	3776.2	2177.1	1507.7	1271.3	1130.3	1058.8	1029.0
27.5°	17262.0	14630.0	9522.9	5615.6	3118.7	1736.1	1291.2	1088.6	987.2	937.6	909.8
30°	18672.3	16139.6	9876.5	5204.4	2641.9	1513.6	1181.9	993.2	876.0	844.2	818.4
32.5°	19905.9	17281.8	10126.8	4833.0	2330.1	1344.8	1068.7	887.9	808.5	746.9	719.1
35°	21183.1	18233.3	10118.8	4572.7	2115.5	1217.7	973.3	794.6	699.2	627.7	605.9
37.5°	22565.7	19308.0	9946.0	4350.3	2022.2	1116.4	919.7	744.9	649.6	578.0	550.2
40°	24184.6	20436.3	9769.2	4141.7	1996.3	1034.9	882.0	705.2	603.9	534.3	506.5
42.5°	25761.8	21453.3	9614.3	3986.7	1885.1	1032.9	848.2	675.4	568.1	500.6	468.8
45°	27023.2	22400.8	9584.5	3893.4	1767.9	1068.7	830.3	655.5	540.3	472.8	443.0
47.5°	28072.0	23429.8	9775.2	3827.8	1656.7	975.3	874.0	641.6	514.5	448.9	415.2
50°	29319.5	24693.1	10224.1	3720.6	1539.5	878.0	1001.2	645.6	492.6	425.1	389.3
52.5°	31059.6	26441.2	10883.6	3539.8	1378.6	788.6	985.3	649.6	468.8	399.3	363.5
55°	33010.3	28624.3	11592.7	3239.8	1154.1	671.4	844.2	621.7	423.1	371.5	337.7
57.5°	35060.3	30604.7	12013.8	2882.3	917.7	580.0	675.4	566.1	373.4	333.7	311.9
60°	35382.1	31357.6	11821.2	2443.3	729.0	504.5	500.6	576.1	333.7	294.0	278.1
62.5°	34581.5	30412.0	10889.5	2052.0	609.8	443.0	411.2	502.6	301.9	262.2	246.3
65°	33042.1	27855.5	9379.9	1849.4	566.1	379.4	341.7	353.6	264.2	228.4	214.5
67.5°	30900.7	24442.9	7701.3	1734.1	560.2	325.8	292.0	268.2	228.4	198.6	186.7
70°	26522.6	20362.8	6144.0	1670.6	544.3	274.1	246.3	218.5	190.7	168.8	158.9
72.5°	19520.5	14429.3	4779.3	1601.1	548.3	218.5	214.5	180.8	153.0	131.1	127.1
75°	11278.9	8243.6	3134.6	1297.1	522.4	168.8	178.8	127.1	107.3	91.4	91.4
77.5°	6010.9	5027.6	1193.8	540.3	190.7	107.3	101.3	75.5	67.5	55.6	53.6
80°	2620.1	2212.9	359.5	151.0	105.3	57.6	37.7	33.8	29.8	23.8	21.9
82.5°	927.7	800.5	117.2	73.5	45.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	210.6	151.0	0.0	17.9	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°	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8
2.5°	11932.4	11888.7	11630.5	11640.4	11686.1	11751.6	11596.7	11668.2	11860.9	12045.6	12115.2
5°	9226.9	9236.8	9079.9	9177.2	9264.6	9324.2	9074.0	9077.9	9230.9	9439.5	9548.7
7.5°	6501.5	6485.7	6493.6	6726.0	6890.9	6771.7	6865.1	6541.3	6561.1	6710.1	6598.9
10°	4833.0	4614.4	4491.3	4666.1	4846.9	4781.3	4620.4	4515.1	4588.6	4753.5	4741.6
12.5°	3798.0	3484.2	3299.4	3174.3	3323.3	3200.1	3196.1	3104.8	3005.4	3023.3	3287.5
15°	2856.5	2628.0	2409.5	2208.9	2204.9	2163.2	1950.7	1712.3	1692.4	1704.3	1841.4
17.5°	1964.6	1887.1	1797.7	1624.9	1579.2	1404.4	1197.8	1102.5	1054.8	1076.6	1122.3
20°	1380.6	1350.8	1360.7	1267.3	1201.8	1034.9	913.8	876.0	868.1	889.9	911.8
22.5°	1144.2	1090.5	1084.6	1042.9	977.3	856.1	790.6	768.7	758.8	778.7	794.6
25°	1001.2	947.5	925.7	899.8	830.3	746.9	707.2	687.3	677.4	689.3	699.2
27.5°	882.0	832.3	812.4	794.6	727.0	667.4	635.7	617.8	609.8	613.8	623.7
30°	792.6	748.9	723.1	701.2	643.6	601.9	574.1	556.2	548.3	548.3	558.2
32.5°	699.2	675.4	651.5	623.7	570.1	542.3	514.5	494.6	486.7	488.7	496.6
35°	582.0	574.1	580.0	554.2	508.5	484.7	456.9	435.0	429.1	431.1	439.0
37.5°	516.5	480.7	502.6	488.7	462.8	431.1	395.3	375.4	365.5	371.5	375.4
40°	474.8	431.1	415.2	429.1	425.1	373.4	341.7	321.8	313.9	315.8	319.8
42.5°	439.0	387.4	351.6	349.6	373.4	325.8	292.0	274.1	264.2	264.2	268.2
45°	405.2	349.6	305.9	272.1	313.9	276.1	244.3	228.4	216.5	216.5	218.5
47.5°	379.4	317.8	266.2	222.5	236.4	226.5	200.6	184.7	172.8	172.8	174.8
50°	355.6	286.0	230.4	186.7	176.8	186.7	162.9	145.0	137.1	135.1	139.0
52.5°	329.7	254.3	196.7	158.9	139.0	141.0	127.1	115.2	105.3	105.3	109.3
55°	303.9	228.4	170.8	135.1	115.2	105.3	101.3	93.4	85.4	85.4	89.4
57.5°	278.1	200.6	145.0	111.2	91.4	83.4	83.4	77.5	71.5	71.5	75.5
60°	254.3	172.8	119.2	91.4	71.5	69.5	71.5	65.6	61.6	61.6	65.6
62.5°	226.5	147.0	97.3	75.5	57.6	55.6	61.6	57.6	53.6	53.6	57.6
65°	192.7	125.1	77.5	57.6	43.7	43.7	51.6	47.7	43.7	43.7	47.7
67.5°	162.9	105.3	59.6	41.7	31.8	33.8	43.7	39.7	37.7	37.7	41.7
70°	135.1	81.4	41.7	25.8	17.9	25.8	33.8	33.8	33.8	33.8	37.7
72.5°	101.3	55.6	23.8	9.9	7.9	17.9	27.8	31.8	29.8	29.8	35.8
75°	65.6	31.8	7.9	0.0	0.0	9.9	21.9	25.8	25.8	23.8	29.8
77.5°	37.7	9.9	0.0	0.0	0.0	0.0	13.9	11.9	9.9	7.9	13.9
80°	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P324164  
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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8	14067.8
2.5°	12395.2	12629.6	12959.4	13309.0	13847.3	14274.4	14693.5	15053.1	15192.1	15249.7
5°	9810.9	10154.6	10637.3	11257.0	12228.4	13102.4	13988.3	14880.2	15267.6	15364.9
7.5°	7039.9	7478.9	8092.7	8869.4	10007.6	11139.8	12377.4	13686.4	14286.3	14437.3
10°	5210.4	5746.7	6449.9	7268.3	8354.9	9518.9	10867.7	12363.5	13048.8	13249.4
12.5°	3696.7	4421.8	5363.3	6358.5	7300.1	8339.0	9703.6	11352.4	12071.5	12288.0
15°	2171.2	2872.4	3986.7	5319.6	6525.4	7578.2	8964.7	10833.9	11626.5	11845.0
17.5°	1245.5	1595.1	2437.3	3923.2	5560.0	7018.0	8732.3	10963.0	11896.7	12099.3
20°	951.5	1062.7	1404.4	2526.7	4431.7	6467.8	8732.3	11694.0	12844.2	13142.1
22.5°	832.3	913.8	1052.8	1507.7	3261.7	5877.8	8833.6	12750.8	14254.5	14584.3
25°	738.9	812.4	931.6	1134.2	2224.8	5176.6	9074.0	14047.9	15915.2	16342.3
27.5°	661.5	731.0	838.3	993.2	1521.6	4330.4	9397.7	15569.5	17746.6	18088.3
30°	592.0	657.5	754.8	864.1	1174.0	3370.9	9673.9	17003.7	19184.8	19552.3
32.5°	526.4	586.0	673.4	754.8	961.4	2493.0	9703.6	18140.0	20378.7	20744.2
35°	464.8	518.5	597.9	661.5	796.6	1968.5	9240.8	19125.2	21572.5	22055.2
37.5°	405.2	456.9	526.4	574.1	701.2	1605.0	8533.6	20223.7	23104.0	23551.0
40°	349.6	395.3	466.8	498.6	663.5	1233.6	7764.9	21375.8	24605.7	25014.9
42.5°	298.0	341.7	411.2	472.8	582.0	921.7	6934.6	22456.4	25956.5	26385.6
45°	248.3	294.0	363.5	500.6	482.7	689.3	6046.7	23173.5	27023.2	27490.0
47.5°	200.6	252.3	347.6	476.7	385.4	506.5	5343.5	23852.9	27831.7	28292.5
50°	160.9	212.5	391.3	425.1	315.8	387.4	5049.5	24460.7	28362.1	28805.0
52.5°	131.1	178.8	369.5	325.8	264.2	319.8	5208.4	25446.0	28852.7	29130.8
55°	109.3	141.0	222.5	226.5	224.5	272.1	5405.0	26860.3	30122.0	30253.1
57.5°	95.3	113.2	154.9	174.8	188.7	242.3	5409.0	28890.4	32086.6	32168.0
60°	81.4	99.3	129.1	141.0	162.9	216.5	5212.4	29599.6	32859.3	33129.5
62.5°	71.5	87.4	107.3	117.2	137.1	194.7	4751.5	28572.6	31798.6	32257.4
65°	63.6	79.5	89.4	99.3	121.2	174.8	3992.7	26518.7	30038.6	30517.3
67.5°	55.6	69.5	79.5	89.4	109.3	154.9	2939.9	24133.0	28018.4	28415.7
70°	49.7	61.6	71.5	79.5	95.3	131.1	1783.8	20478.0	25225.5	25390.4
72.5°	47.7	55.6	65.6	71.5	83.4	115.2	903.8	15049.1	20166.1	20434.3
75°	41.7	49.7	59.6	63.6	73.5	99.3	367.5	9884.4	14614.1	15045.1
77.5°	33.8	45.7	53.6	57.6	63.6	81.4	186.7	6316.8	10255.9	10534.0
80°	11.9	33.8	45.7	47.7	53.6	59.6	123.2	3458.4	5949.3	6068.5
82.5°	0.0	21.9	35.8	33.8	37.7	45.7	79.5	1644.8	3927.1	3970.8
85°	0.0	9.9	27.8	21.9	15.9	31.8	27.8	359.5	2059.9	2145.3
87.5°	0.0	0.0	2.0	9.9	7.9	11.9	4.0	2.0	186.7	236.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)