

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: P324204

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324204
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-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 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: 41932 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

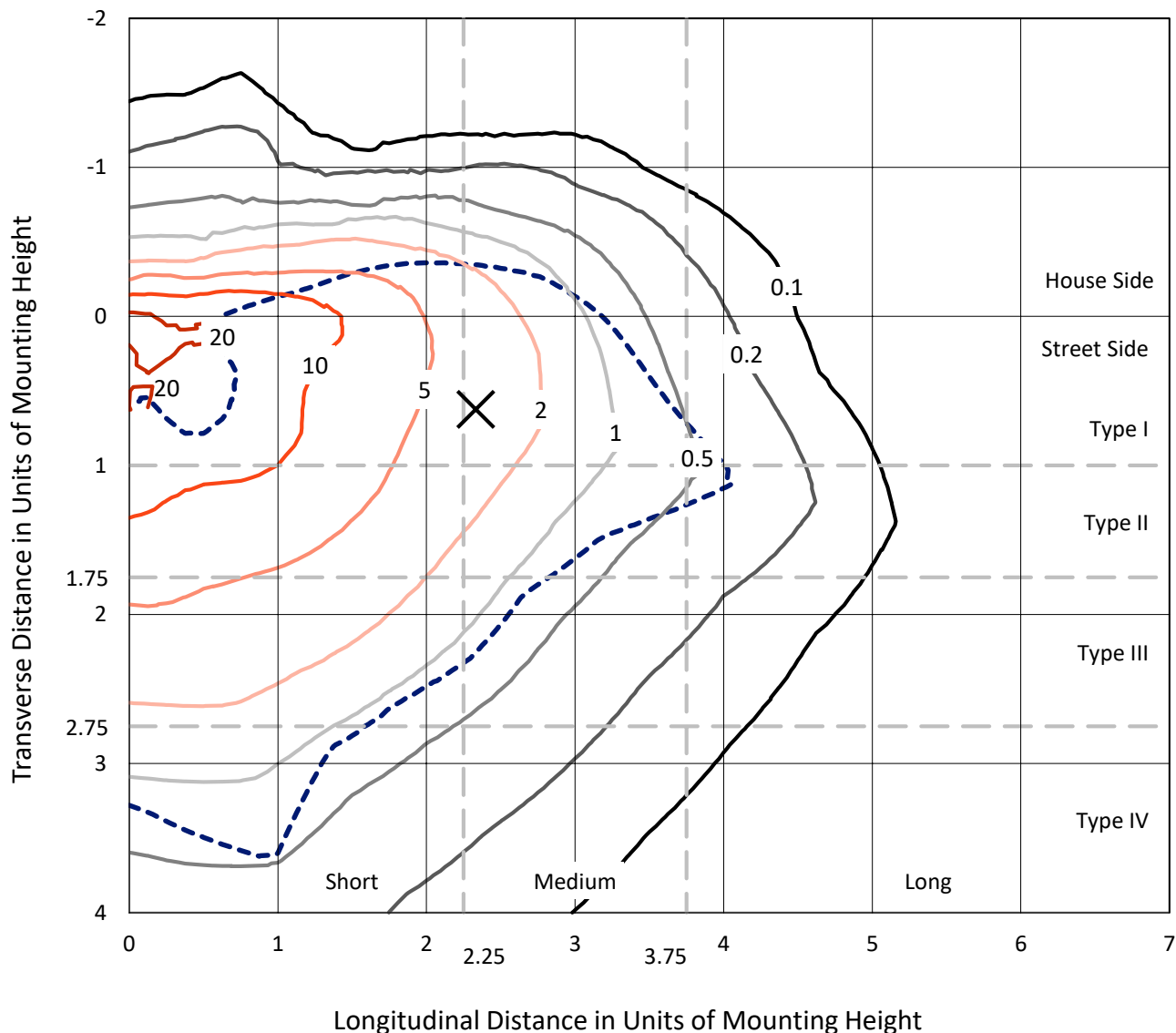
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

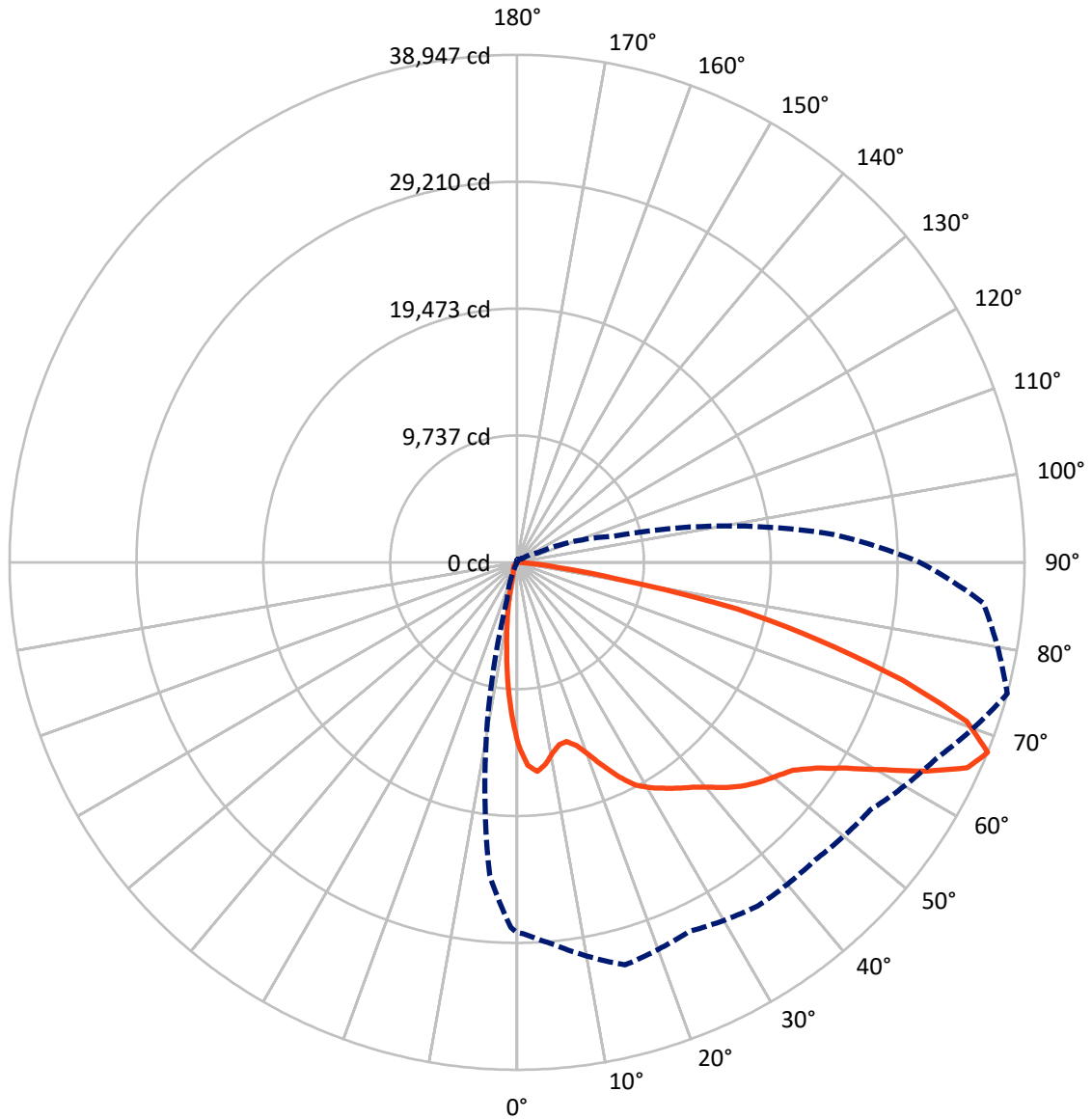
✕ Max cd
 - - - 1/2 Max cd



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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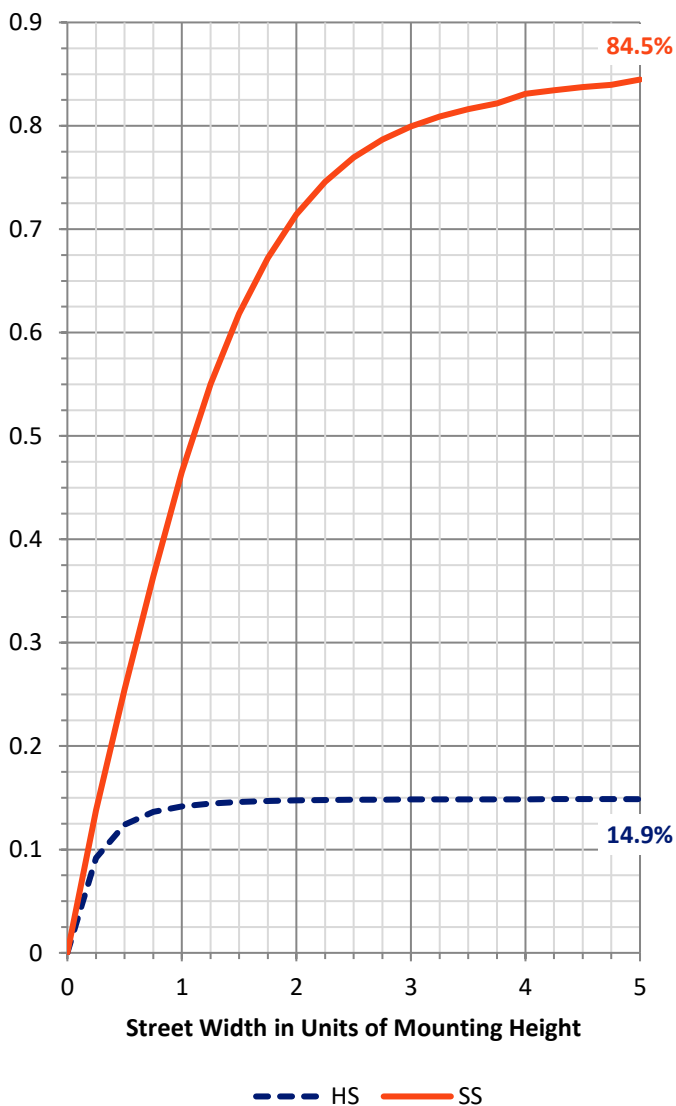
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6292.3	0.0	6292.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	35639.7	0.0	35639.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	41932.0	0.0	41932.0
	% 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°	4370.3	10.4
40°-50°	6281.6	15.0
50°-60°	8842.9	21.1
60°-70°	10327.7	24.6
70°-80°	5268.9	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°	41932.0	100.0
0°-180°	41932.0	100.0

Coefficient of Utilization

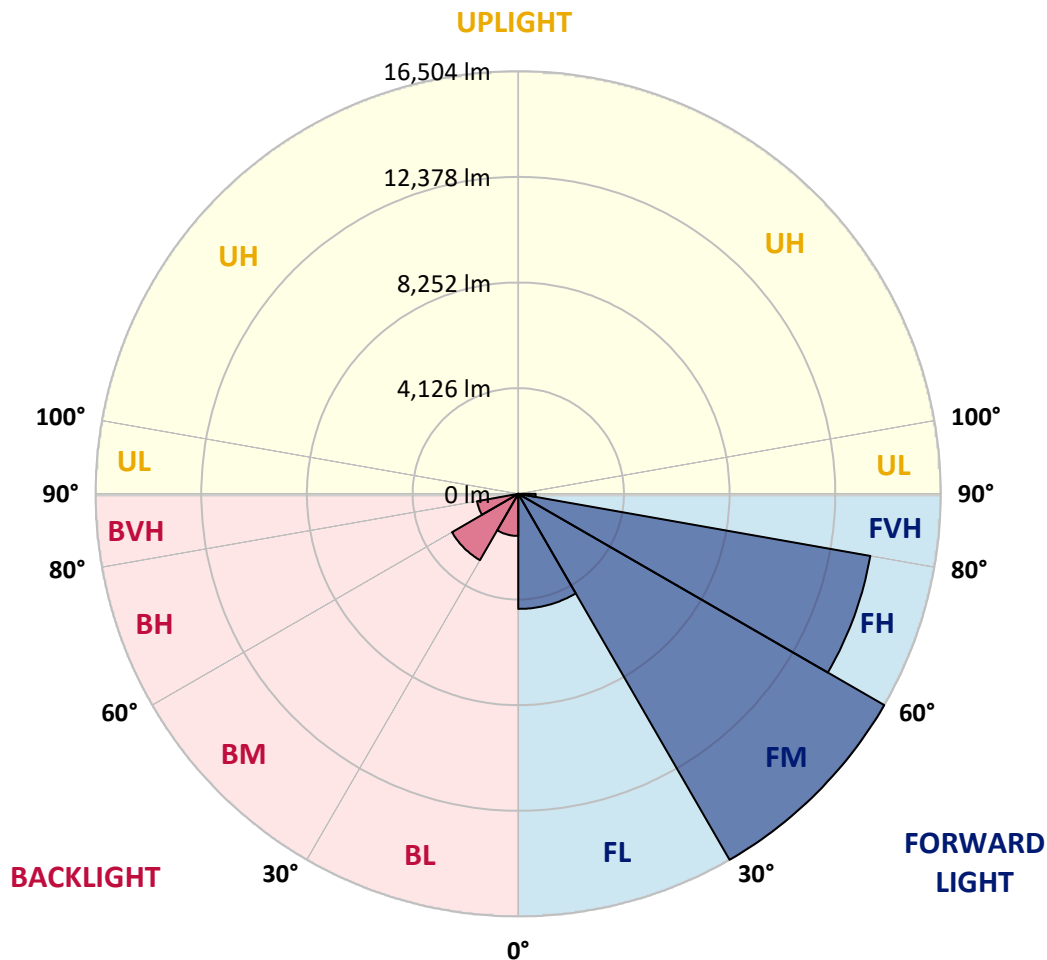


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4495.1	10.7			
FM (30°-60°)	16503.7	39.4			
FH (60°-80°)	13962.2	33.3			G5
FVH (80°-90°)	678.7	1.6			G4/750
BL (0°-30°)	1645.5	3.9	B3/2500		
BM (30°-60°)	2991.2	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°	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5
2.5°	15249.4	15273.2	15396.4	15682.4	15994.2	16018.1	16228.6	16012.1	15938.6	15589.0	15227.5
5°	15364.6	15455.9	15879.0	16719.3	17448.3	17682.7	17849.5	17424.4	16977.5	16123.4	15211.6
7.5°	14436.9	14589.9	15255.3	16832.5	18135.6	18711.6	18820.9	18155.4	17060.9	15654.6	14284.0
10°	13249.1	13423.9	14226.4	16165.1	17954.8	18942.0	19093.0	18221.0	16647.8	14895.8	13280.9
12.5°	12287.7	12492.3	13312.6	15414.2	17333.1	18425.6	18723.5	18000.5	16290.2	14357.5	12595.6
15°	11844.7	12079.1	12941.2	14929.6	16643.8	17503.9	17750.2	17438.3	16091.6	14272.1	12436.7
17.5°	12099.0	12353.2	13243.1	14971.3	15996.2	16363.7	16562.3	16689.5	16091.6	14786.5	12901.5
20°	13141.8	13415.9	14357.5	15394.4	15459.9	15322.9	15535.4	15982.3	16278.3	15763.8	14017.8
22.5°	14583.9	14905.7	15968.4	16119.4	15197.7	14679.3	14707.1	15408.3	16618.0	17003.3	15567.2
25°	16341.9	16735.2	17815.7	17200.0	15307.0	14295.9	14286.0	14935.5	16949.7	18244.8	17293.3
27.5°	18087.9	18520.9	19470.4	18518.9	15757.9	14226.4	14206.5	14792.5	17273.5	19349.2	19178.4
30°	19551.8	19972.9	20791.3	19474.4	16244.5	14389.3	14293.9	14945.4	17466.1	20066.3	20553.0
32.5°	20743.7	21081.3	21742.8	20131.9	16765.0	14705.1	14498.5	15354.6	17793.9	20672.1	21816.3
35°	22054.7	22410.2	22674.4	20757.6	17349.0	15160.0	14864.0	16004.2	18298.4	21287.9	23200.8
37.5°	23550.4	23904.0	23872.2	21329.6	18089.9	15912.8	15724.1	17033.1	19083.1	21897.7	24746.2
40°	25014.4	25375.9	25117.6	21955.3	18959.9	17154.3	17015.2	18578.5	20133.8	22678.4	26557.8
42.5°	26384.9	26776.3	26224.1	22547.3	19996.8	18719.5	18957.9	20568.9	21448.8	23639.8	28119.0
45°	27489.4	27888.6	27151.7	23123.3	21089.3	20618.5	21335.6	22773.7	23030.0	24452.2	29173.8
47.5°	28291.9	28669.3	27795.3	23699.4	22487.7	22940.6	24190.0	25085.9	24458.2	25157.4	29922.7
50°	28804.3	29098.3	27984.0	24420.4	24323.1	25650.0	27163.6	27600.6	25802.9	25793.0	30832.4
52.5°	29130.1	29263.2	28123.0	25173.3	26238.0	28599.7	30075.6	30212.7	27187.4	26492.2	32058.0
55°	30252.4	30359.7	29108.3	26085.0	27821.1	31184.0	32709.5	32582.4	28754.7	27860.8	33504.1
57.5°	32167.3	32280.5	31144.3	27396.0	29102.3	32781.1	34618.4	34846.9	30592.1	29783.6	35053.5
60°	33128.7	33339.2	32934.0	29056.6	30343.8	33802.0	35919.5	36648.5	32888.3	32318.2	36555.2
62.5°	32256.7	32562.6	33150.5	30898.0	31577.3	34364.2	36324.7	37294.1	35240.2	35272.0	37480.8
65°	30516.6	30760.9	31758.1	31907.1	32292.4	34294.7	35323.6	36392.3	36680.3	37985.3	37431.1
67.5°	28415.0	28506.4	29352.6	31986.5	31255.5	32205.0	32316.2	33106.8	35542.1	38946.7	35927.5
70°	25389.8	25439.4	26178.4	29326.8	26859.7	27068.3	26903.4	27064.3	30556.3	36604.8	32131.5
72.5°	20433.8	20558.9	21609.7	24354.9	19567.7	18965.9	20261.0	20189.5	23532.5	30925.8	23864.2
75°	15044.8	15261.3	16848.4	19617.4	13733.8	12422.8	13368.3	13620.5	16729.2	23921.8	14923.6
77.5°	10533.7	10694.6	12232.1	14421.0	9939.8	8883.0	8541.4	8841.3	11042.2	17305.3	7518.4
80°	6068.4	6127.9	7109.2	8326.9	6698.0	7663.4	6942.4	7148.9	6616.6	7699.2	3233.8
82.5°	3970.8	3980.7	4364.1	4956.0	4171.4	4846.7	3587.4	4586.5	4070.1	3092.8	1052.8
85°	2145.3	2157.2	2530.6	3517.9	2361.8	1334.8	784.6	1610.9	2516.7	709.1	288.0
87.5°	236.4	216.5	762.8	1279.2	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°	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5
2.5°	15042.8	14877.9	14466.7	14031.7	13682.1	13354.4	13024.6	12621.4	12309.5	12246.0	12142.7
5°	14721.0	14198.6	13336.5	12470.4	11773.2	10893.3	10335.1	9900.1	9475.0	9449.2	9363.7
7.5°	13596.7	12909.4	11695.7	10498.0	9516.7	8678.4	7832.3	7266.1	6821.2	6664.3	6570.9
10°	12516.1	11743.4	10227.8	8861.2	7985.2	7244.3	6648.4	6056.4	5520.1	5150.7	4983.8
12.5°	11761.3	10907.2	9236.6	8058.7	7431.0	6727.8	6000.8	5261.9	4644.1	4199.2	3927.1
15°	11469.3	10557.6	8904.9	7740.9	6966.2	6076.3	5146.7	4302.5	3617.2	3213.9	2969.6
17.5°	11816.9	10756.2	8879.1	7353.5	6271.0	5164.6	4137.6	3140.5	2494.9	2189.0	2032.1
20°	12698.9	11387.9	8869.1	6878.8	5444.6	4084.0	2802.8	2065.8	1674.5	1503.7	1430.2
22.5°	13946.3	12194.3	8948.6	6410.0	4584.5	2918.0	1934.7	1517.6	1317.0	1225.6	1183.9
25°	15551.3	13326.6	9173.1	5984.9	3776.1	2177.1	1507.7	1271.3	1130.2	1058.7	1028.9
27.5°	17261.6	14629.6	9522.7	5615.5	3118.6	1736.1	1291.1	1088.5	987.2	937.6	909.8
30°	18671.9	16139.3	9876.2	5204.3	2641.9	1513.6	1181.9	993.2	876.0	844.2	818.4
32.5°	19905.4	17281.4	10126.5	4832.8	2330.0	1344.8	1068.7	887.9	808.5	746.9	719.1
35°	21182.6	18232.9	10118.6	4572.6	2115.5	1217.6	973.3	794.5	699.2	627.7	605.8
37.5°	22565.2	19307.5	9945.8	4350.1	2022.1	1116.3	919.7	744.9	649.5	578.0	550.2
40°	24184.0	20435.8	9769.0	4141.6	1996.3	1034.9	881.9	705.2	603.9	534.3	506.5
42.5°	25761.2	21452.8	9614.0	3986.6	1885.1	1032.9	848.2	675.4	568.1	500.6	468.8
45°	27022.6	22400.3	9584.2	3893.3	1767.9	1068.7	830.3	655.5	540.3	472.8	443.0
47.5°	28071.4	23429.2	9774.9	3827.7	1656.6	975.3	874.0	641.6	514.5	448.9	415.2
50°	29318.8	24692.6	10223.8	3720.5	1539.4	878.0	1001.1	645.6	492.6	425.1	389.3
52.5°	31058.9	26440.6	10883.3	3539.7	1378.5	788.6	985.2	649.5	468.8	399.3	363.5
55°	33009.5	28623.6	11592.5	3239.8	1154.1	671.4	844.2	621.7	423.1	371.5	337.7
57.5°	35059.4	30604.0	12013.6	2882.2	917.7	580.0	675.4	566.1	373.4	333.7	311.9
60°	35381.2	31356.8	11820.9	2443.2	729.0	504.5	500.6	576.0	333.7	294.0	278.1
62.5°	34580.7	30411.3	10889.3	2051.9	609.8	443.0	411.2	502.6	301.9	262.2	246.3
65°	33041.3	27854.9	9379.6	1849.3	566.1	379.4	341.7	353.6	264.2	228.4	214.5
67.5°	30900.0	24442.3	7701.2	1734.1	560.2	325.8	292.0	268.2	228.4	198.6	186.7
70°	26522.0	20362.3	6143.8	1670.5	544.3	274.1	246.3	218.5	190.7	168.8	158.9
72.5°	19520.1	14429.0	4779.2	1601.0	548.2	218.5	214.5	180.8	153.0	131.1	127.1
75°	11278.6	8243.4	3134.5	1297.1	522.4	168.8	178.8	127.1	107.3	91.4	91.4
77.5°	6010.8	5027.5	1193.8	540.3	190.7	107.3	101.3	75.5	67.5	55.6	53.6
80°	2620.0	2212.8	359.5	151.0	105.3	57.6	37.7	33.8	29.8	23.8	21.9
82.5°	927.6	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°	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5
2.5°	11932.1	11888.4	11630.2	11640.1	11685.8	11751.4	11596.4	11667.9	11860.6	12045.3	12114.9
5°	9226.7	9236.6	9079.7	9177.0	9264.4	9324.0	9073.7	9077.7	9230.7	9439.2	9548.5
7.5°	6501.4	6485.5	6493.4	6725.8	6890.7	6771.5	6864.9	6541.1	6561.0	6710.0	6598.7
10°	4832.8	4614.3	4491.2	4666.0	4846.7	4781.2	4620.3	4515.0	4588.5	4753.4	4741.5
12.5°	3797.9	3484.1	3299.4	3174.2	3323.2	3200.0	3196.1	3104.7	3005.4	3023.3	3287.4
15°	2856.4	2628.0	2409.5	2208.8	2204.9	2163.2	1950.6	1712.3	1692.4	1704.3	1841.4
17.5°	1964.5	1887.1	1797.7	1624.9	1579.2	1404.4	1197.8	1102.4	1054.8	1076.6	1122.3
20°	1380.5	1350.7	1360.7	1267.3	1201.8	1034.9	913.7	876.0	868.0	889.9	911.7
22.5°	1144.1	1090.5	1084.6	1042.8	977.3	856.1	790.6	768.7	758.8	778.7	794.5
25°	1001.1	947.5	925.6	899.8	830.3	746.9	707.1	687.3	677.4	689.3	699.2
27.5°	881.9	832.3	812.4	794.5	727.0	667.4	635.6	617.8	609.8	613.8	623.7
30°	792.6	748.9	723.0	701.2	643.6	601.9	574.1	556.2	548.2	548.2	558.2
32.5°	699.2	675.4	651.5	623.7	570.1	542.3	514.5	494.6	486.7	488.6	496.6
35°	582.0	574.1	580.0	554.2	508.5	484.7	456.9	435.0	429.1	431.0	439.0
37.5°	516.5	480.7	502.6	488.6	462.8	431.0	395.3	375.4	365.5	371.5	375.4
40°	474.7	431.0	415.2	429.1	425.1	373.4	341.7	321.8	313.8	315.8	319.8
42.5°	439.0	387.3	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	313.8	276.1	244.3	228.4	216.5	216.5	218.5
47.5°	379.4	317.8	266.2	222.5	236.4	226.4	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°	226.4	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: P324204
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5	14067.5
2.5°	12394.9	12629.3	12959.1	13308.7	13847.0	14274.1	14693.2	15052.7	15191.8	15249.4
5°	9810.7	10154.3	10637.0	11256.8	12228.1	13102.1	13988.0	14879.9	15267.2	15364.6
7.5°	7039.7	7478.7	8092.5	8869.1	10007.3	11139.6	12377.1	13686.1	14286.0	14436.9
10°	5210.2	5746.6	6449.7	7268.1	8354.7	9518.7	10867.4	12363.2	13048.5	13249.1
12.5°	3696.6	4421.7	5363.2	6358.4	7299.9	8338.8	9703.4	11352.1	12071.2	12287.7
15°	2171.1	2872.3	3986.6	5319.5	6525.2	7578.0	8964.5	10833.7	11626.2	11844.7
17.5°	1245.5	1595.1	2437.3	3923.1	5559.8	7017.8	8732.1	10962.8	11896.4	12099.0
20°	951.5	1062.7	1404.4	2526.7	4431.6	6467.6	8732.1	11693.8	12843.9	13141.8
22.5°	832.3	913.7	1052.8	1507.7	3261.6	5877.7	8833.4	12750.5	14254.2	14583.9
25°	738.9	812.4	931.6	1134.2	2224.7	5176.5	9073.7	14047.6	15914.8	16341.9
27.5°	661.5	731.0	838.2	993.2	1521.6	4330.3	9397.5	15569.2	17746.2	18087.9
30°	591.9	657.5	754.8	864.1	1173.9	3370.9	9673.6	17003.3	19184.4	19551.8
32.5°	526.4	586.0	673.4	754.8	961.4	2492.9	9703.4	18139.5	20378.2	20743.7
35°	464.8	518.4	597.9	661.5	796.5	1968.5	9240.6	19124.8	21572.0	22054.7
37.5°	405.2	456.9	526.4	574.1	701.2	1605.0	8533.4	20223.2	23103.5	23550.4
40°	349.6	395.3	466.8	498.6	663.4	1233.5	7764.7	21375.3	24605.2	25014.4
42.5°	298.0	341.7	411.2	472.8	582.0	921.7	6934.4	22455.9	25955.9	26384.9
45°	248.3	294.0	363.5	500.6	482.7	689.3	6046.5	23173.0	27022.6	27489.4
47.5°	200.6	252.3	347.6	476.7	385.4	506.5	5343.3	23852.3	27831.0	28291.9
50°	160.9	212.5	391.3	425.1	315.8	387.3	5049.4	24460.2	28361.4	28804.3
52.5°	131.1	178.8	369.5	325.8	264.2	319.8	5208.3	25445.4	28852.0	29130.1
55°	109.3	141.0	222.5	226.4	224.5	272.1	5404.9	26859.7	30121.3	30252.4
57.5°	95.3	113.2	154.9	174.8	188.7	242.3	5408.9	28889.8	32085.8	32167.3
60°	81.4	99.3	129.1	141.0	162.9	216.5	5212.2	29598.9	32858.5	33128.7
62.5°	71.5	87.4	107.3	117.2	137.1	194.7	4751.4	28571.9	31797.8	32256.7
65°	63.6	79.5	89.4	99.3	121.2	174.8	3992.6	26518.0	30037.9	30516.6
67.5°	55.6	69.5	79.5	89.4	109.3	154.9	2939.8	24132.4	28017.7	28415.0
70°	49.7	61.6	71.5	79.5	95.3	131.1	1783.8	20477.5	25224.9	25389.8
72.5°	47.7	55.6	65.6	71.5	83.4	115.2	903.8	15048.7	20165.6	20433.8
75°	41.7	49.7	59.6	63.6	73.5	99.3	367.5	9884.2	14613.7	15044.8
77.5°	33.8	45.7	53.6	57.6	63.6	81.4	186.7	6316.7	10255.6	10533.7
80°	11.9	33.8	45.7	47.7	53.6	59.6	123.2	3458.3	5949.2	6068.4
82.5°	0.0	21.9	35.8	33.8	37.7	45.7	79.5	1644.7	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)