

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: P324202

Luminaire Tested: **GAN-SA8B-750-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324202
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-SA8B-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 33953 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

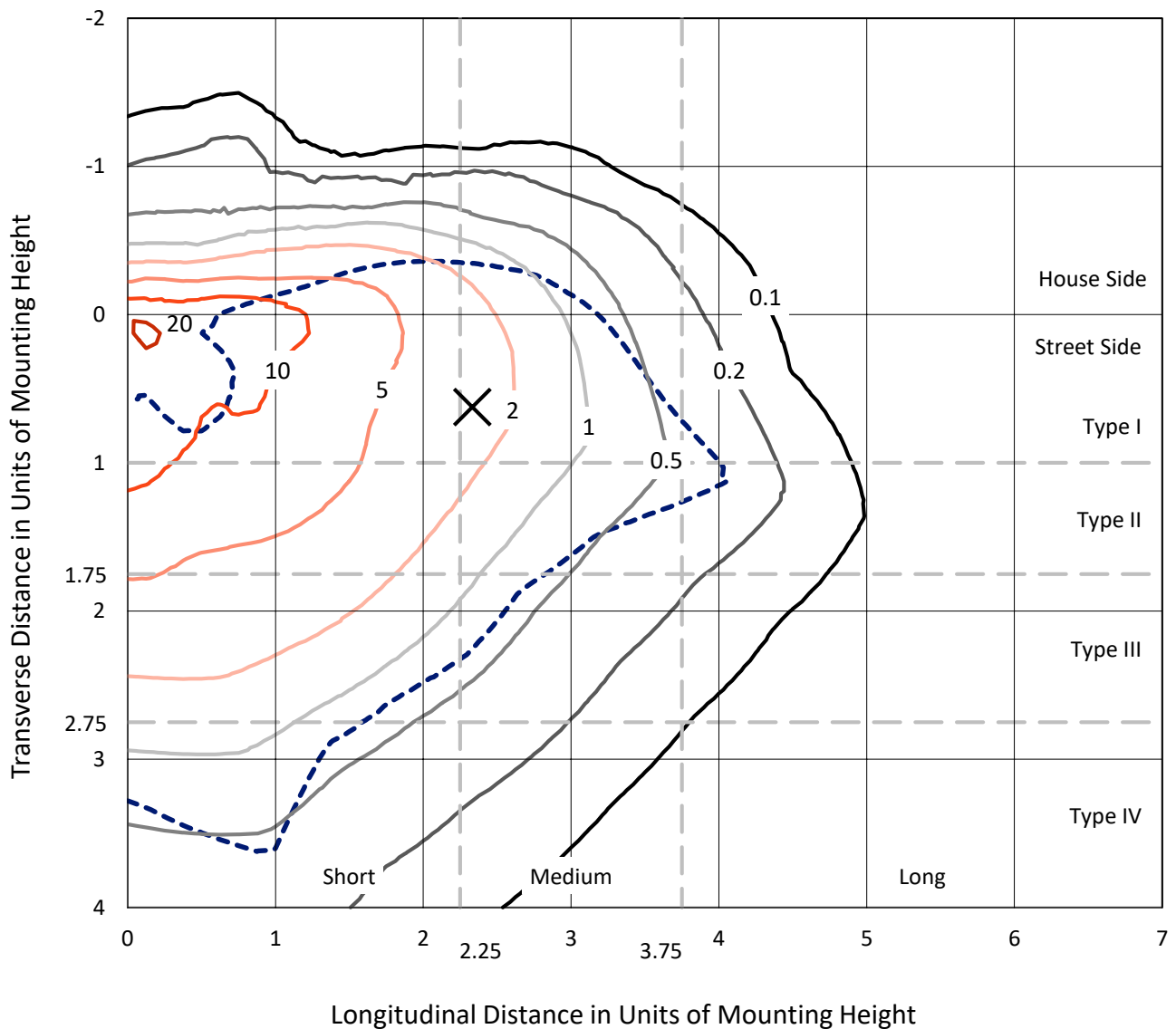
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

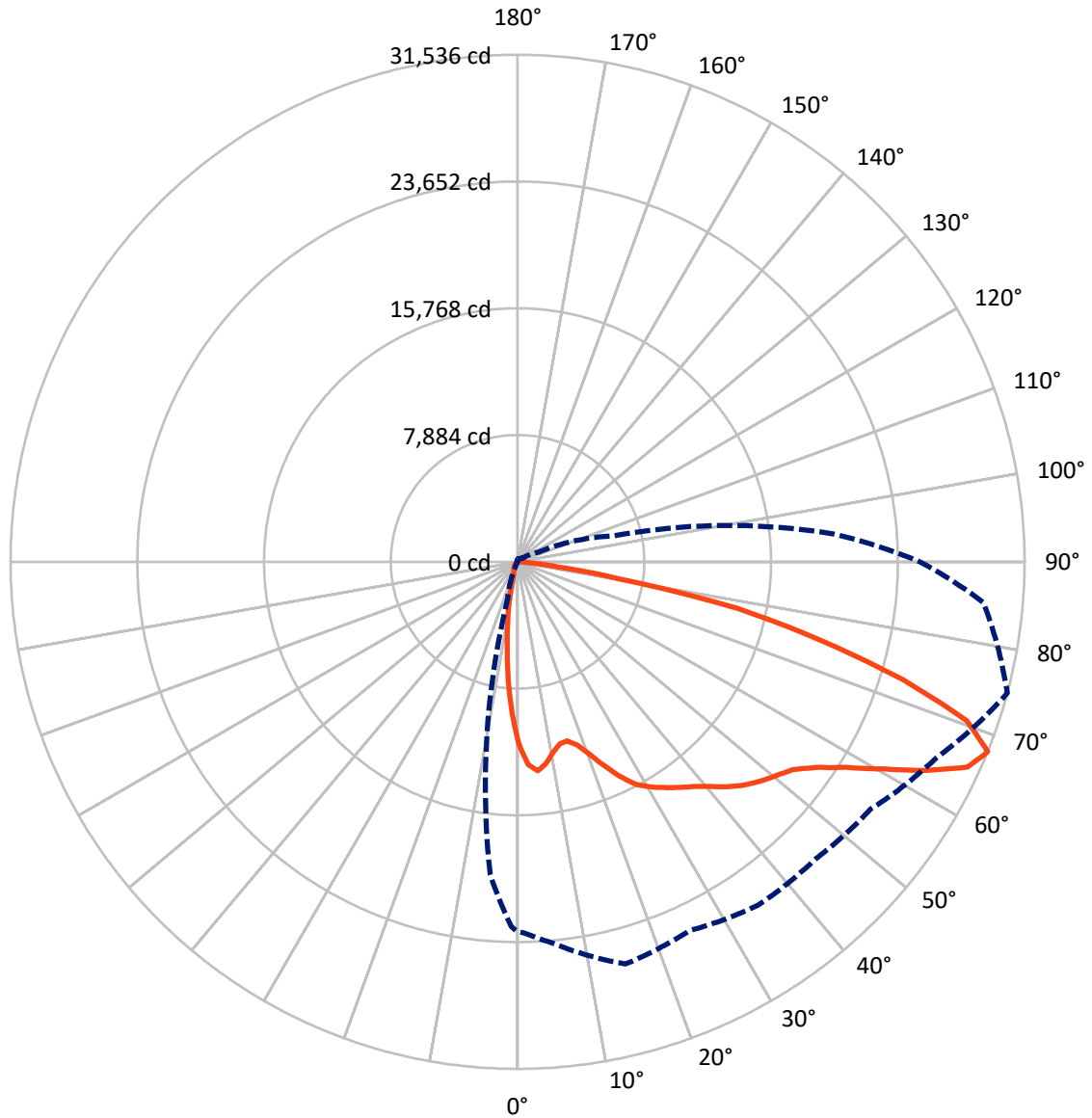
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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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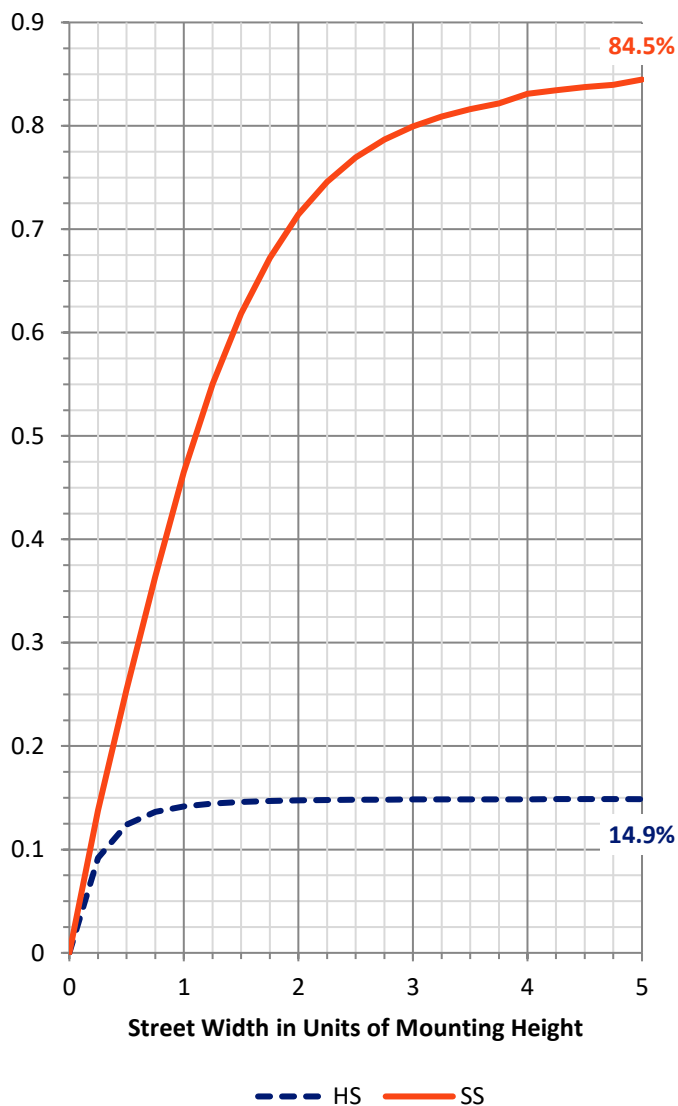
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5095.0	0.0	5095.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	28858.0	0.0	28858.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	33953.0	0.0	33953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.0	2.5
10°-20°	1701.3	5.0
20°-30°	2406.8	7.1
30°-40°	3538.7	10.4
40°-50°	5086.3	15.0
50°-60°	7160.2	21.1
60°-70°	8362.5	24.6
70°-80°	4266.3	12.6
80°-90°	566.7	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°	33953.0	100.0
0°-180°	33953.0	100.0

Coefficient of Utilization

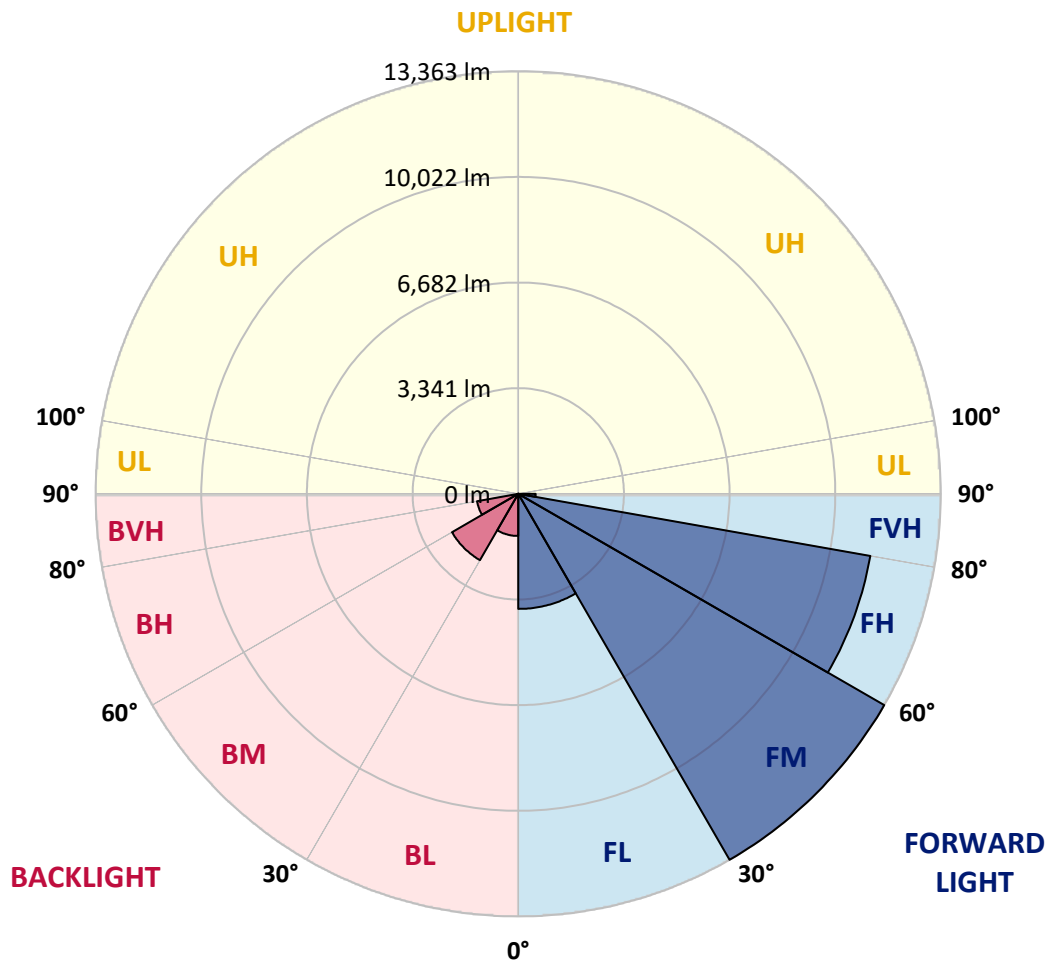


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3639.8	10.7			
FM (30°-60°)	13363.3	39.4			
FH (60°-80°)	11305.4	33.3			G4/12000
FVH (80°-90°)	549.6	1.6			G4/750
BL (0°-30°)	1332.4	3.9	B3/2500		
BM (30°-60°)	2422.0	7.1	B2/2500		
BH (60°-80°)	1323.4	3.9	B3/2500		G3/2500
BVH (80°-90°)	17.2	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7
2.5°	12347.6	12366.9	12466.7	12698.3	12950.8	12970.1	13140.6	12965.3	12905.8	12622.7	12330.0
5°	12440.9	12514.9	12857.5	13537.9	14128.1	14317.9	14453.0	14108.8	13746.9	13055.3	12317.1
7.5°	11689.8	11813.7	12352.5	13629.5	14684.6	15151.1	15239.5	14700.7	13814.5	12675.8	11566.0
10°	10728.0	10869.5	11519.3	13089.1	14538.3	15337.7	15459.9	14753.8	13480.0	12061.4	10753.7
12.5°	9949.5	10115.2	10779.5	12481.1	14034.9	14919.5	15160.7	14575.3	13190.4	11625.5	10198.8
15°	9590.9	9780.6	10478.7	12088.7	13476.7	14173.2	14372.6	14120.1	13029.6	11556.3	10070.2
17.5°	9796.7	10002.6	10723.2	12122.5	12952.4	13250.0	13410.8	13513.7	13029.6	11972.9	10446.5
20°	10641.1	10863.1	11625.5	12465.1	12518.1	12407.2	12579.3	12941.1	13180.8	12764.2	11350.4
22.5°	11808.8	12069.4	12929.9	13052.1	12305.8	11886.0	11908.6	12476.3	13455.8	13767.9	12605.0
25°	13232.3	13550.7	14425.7	13927.1	12394.3	11575.6	11567.6	12093.5	13724.4	14773.1	14002.7
27.5°	14646.0	14996.7	15765.5	14995.1	12759.4	11519.3	11503.2	11977.7	13986.6	15667.4	15529.1
30°	15831.4	16172.4	16835.1	15768.7	13153.5	11651.2	11574.0	12101.6	14142.6	16248.0	16642.1
32.5°	16796.5	17069.9	17605.5	16301.1	13574.9	11906.9	11739.7	12432.9	14408.0	16738.6	17665.0
35°	17858.0	18145.9	18359.8	16807.7	14047.7	12275.3	12035.6	12958.8	14816.5	17237.2	18786.0
37.5°	19069.1	19355.4	19329.7	17270.9	14647.6	12884.8	12732.1	13792.0	15451.8	17730.9	20037.4
40°	20254.5	20547.2	20338.2	17777.6	15352.1	13890.1	13777.5	15043.3	16302.7	18363.0	21504.2
42.5°	21364.3	21681.2	21234.0	18256.9	16191.7	15157.5	15350.5	16654.9	17367.4	19141.5	22768.4
45°	22258.6	22581.9	21985.1	18723.3	17076.3	16695.1	17275.8	18440.2	18647.7	19799.3	23622.5
47.5°	22908.4	23214.0	22506.3	19189.8	18208.6	18575.3	19587.0	20312.4	19804.2	20370.3	24228.9
50°	23323.3	23561.4	22659.1	19773.6	19694.8	20769.2	21994.8	22348.6	20893.0	20885.0	24965.5
52.5°	23587.1	23694.9	22771.7	20383.2	21245.3	23157.7	24352.7	24463.7	22014.1	21451.2	25957.9
55°	24495.9	24582.7	23569.4	21121.4	22527.2	25250.2	26485.4	26382.5	23283.1	22559.3	27128.8
57.5°	26046.3	26138.0	25218.0	22183.0	23564.6	26543.3	28031.1	28216.1	24770.9	24116.3	28383.3
60°	26824.8	26995.3	26667.2	23527.6	24569.8	27370.1	29084.6	29674.9	26630.2	26168.6	29599.3
62.5°	26118.7	26366.4	26842.5	25018.6	25568.6	27825.2	29412.7	30197.6	28534.5	28560.3	30348.8
65°	24709.8	24907.6	25715.0	25835.6	26147.7	27768.9	28602.1	29467.4	29700.6	30757.3	30308.6
67.5°	23008.1	23082.1	23767.2	25900.0	25308.1	26076.9	26167.0	26807.1	28779.0	31535.8	29091.0
70°	20558.5	20598.7	21197.0	23746.3	21748.7	21917.6	21784.1	21914.4	24741.9	29639.5	26017.4
72.5°	16545.6	16646.9	17497.7	19720.5	15844.3	15357.0	16405.6	16347.7	19054.7	25041.1	19323.3
75°	12182.0	12357.3	13642.4	15884.5	11120.4	10058.9	10824.5	11028.8	13545.9	19369.9	12083.9
77.5°	8529.3	8659.6	9904.5	11676.9	8048.4	7192.7	6916.1	7159.0	8941.1	14012.3	6087.8
80°	4913.6	4961.9	5756.4	6742.4	5423.5	6205.2	5621.3	5788.6	5357.6	6234.1	2618.5
82.5°	3215.2	3223.2	3533.6	4012.9	3377.6	3924.5	2904.8	3713.8	3295.6	2504.3	852.4
85°	1737.1	1746.7	2049.1	2848.5	1912.4	1080.8	635.3	1304.4	2037.8	574.2	233.2
87.5°	191.4	175.3	617.6	1035.8	530.8	98.1	33.8	146.4	326.5	37.0	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°	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7
2.5°	12180.4	12046.9	11713.9	11361.7	11078.6	10813.2	10546.2	10219.7	9967.2	9915.8	9832.1
5°	11919.8	11496.8	10798.8	10097.5	9533.0	8820.4	8368.5	8016.2	7672.0	7651.1	7582.0
7.5°	11009.5	10453.0	9470.2	8500.4	7705.8	7027.1	6341.9	5883.5	5523.2	5396.2	5320.6
10°	10134.5	9508.8	8281.6	7175.0	6465.7	5865.8	5383.3	4904.0	4469.7	4170.6	4035.5
12.5°	9523.3	8831.7	7479.0	6525.3	6017.0	5447.6	4859.0	4260.6	3760.4	3400.1	3179.8
15°	9286.9	8548.6	7210.4	6267.9	5640.6	4920.1	4167.4	3483.8	2928.9	2602.4	2404.5
17.5°	9568.3	8709.5	7189.5	5954.3	5077.7	4181.8	3350.3	2542.9	2020.1	1772.5	1645.4
20°	10282.5	9220.9	7181.5	5569.9	4408.6	3306.9	2269.4	1672.7	1355.9	1217.6	1158.0
22.5°	11292.5	9873.9	7245.8	5190.3	3712.2	2362.7	1566.6	1228.8	1066.4	992.4	958.6
25°	12592.1	10790.7	7427.6	4846.1	3057.6	1762.8	1220.8	1029.4	915.2	857.3	833.1
27.5°	13976.9	11845.8	7710.6	4546.9	2525.2	1405.7	1045.5	881.4	799.4	759.2	736.6
30°	15118.9	13068.2	7996.9	4214.0	2139.2	1225.6	957.0	804.2	709.3	683.6	662.7
32.5°	16117.7	13993.0	8199.6	3913.2	1886.6	1088.9	865.3	719.0	654.6	604.8	582.2
35°	17151.9	14763.5	8193.2	3702.5	1712.9	985.9	788.1	643.4	566.2	508.3	490.6
37.5°	18271.4	15633.6	8053.2	3522.4	1637.3	903.9	744.7	603.1	525.9	468.0	445.5
40°	19582.2	16547.2	7910.1	3353.5	1616.4	838.0	714.1	571.0	489.0	432.7	410.1
42.5°	20859.3	17370.7	7784.6	3228.0	1526.4	836.4	686.8	546.9	460.0	405.3	379.6
45°	21880.6	18137.9	7760.5	3152.5	1431.5	865.3	672.3	530.8	437.5	382.8	358.7
47.5°	22729.8	18971.0	7914.9	3099.4	1341.4	789.7	707.7	519.5	416.6	363.5	336.2
50°	23739.9	19994.0	8278.4	3012.5	1246.5	710.9	810.6	522.7	398.9	344.2	315.2
52.5°	25148.9	21409.3	8812.4	2866.2	1116.2	638.5	797.8	525.9	379.6	323.3	294.3
55°	26728.3	23177.0	9386.6	2623.3	934.5	543.6	683.6	503.4	342.6	300.8	273.4
57.5°	28388.2	24780.5	9727.6	2333.8	743.1	469.7	546.9	458.4	302.4	270.2	252.5
60°	28648.7	25390.1	9571.6	1978.3	590.3	408.5	405.3	466.4	270.2	238.0	225.2
62.5°	28000.5	24624.5	8817.2	1661.5	493.8	358.7	332.9	406.9	244.5	212.3	199.4
65°	26754.0	22554.5	7594.8	1497.4	458.4	307.2	276.6	286.3	213.9	185.0	173.7
67.5°	25020.2	19791.3	6235.7	1404.1	453.6	263.8	236.4	217.1	185.0	160.8	151.2
70°	21475.3	16487.7	4974.8	1352.7	440.7	222.0	199.4	176.9	154.4	136.7	128.7
72.5°	15805.7	11683.4	3869.8	1296.4	443.9	176.9	173.7	146.4	123.8	106.2	102.9
75°	9132.5	6674.8	2538.0	1050.3	423.0	136.7	144.8	102.9	86.9	74.0	74.0
77.5°	4867.0	4070.8	966.6	437.5	154.4	86.9	82.0	61.1	54.7	45.0	43.4
80°	2121.5	1791.8	291.1	122.2	85.2	46.6	30.6	27.3	24.1	19.3	17.7
82.5°	751.1	648.2	94.9	59.5	37.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	170.5	122.2	0.0	14.5	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°	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7
2.5°	9661.6	9626.2	9417.2	9425.2	9462.2	9515.3	9389.8	9447.7	9603.7	9753.3	9809.6
5°	7471.0	7479.0	7352.0	7430.8	7501.6	7549.8	7347.1	7350.4	7474.2	7643.1	7731.6
7.5°	5264.3	5251.4	5257.8	5446.0	5579.5	5483.0	5558.6	5296.4	5312.5	5433.2	5343.1
10°	3913.2	3736.3	3636.6	3778.1	3924.5	3871.4	3741.1	3655.9	3715.4	3848.9	3839.2
12.5°	3075.3	2821.1	2671.5	2570.2	2690.8	2591.1	2587.9	2513.9	2433.5	2448.0	2661.9
15°	2312.9	2127.9	1951.0	1788.5	1785.3	1751.5	1579.4	1386.4	1370.4	1380.0	1491.0
17.5°	1590.7	1528.0	1455.6	1315.7	1278.7	1137.1	969.9	892.7	854.1	871.7	908.7
20°	1117.8	1093.7	1101.8	1026.2	973.1	838.0	739.9	709.3	702.9	720.6	738.3
22.5°	926.4	883.0	878.2	844.4	791.3	693.2	640.1	622.4	614.4	630.5	643.4
25°	810.6	767.2	749.5	728.6	672.3	604.8	572.6	556.5	548.5	558.1	566.2
27.5°	714.1	673.9	657.8	643.4	588.7	540.4	514.7	500.2	493.8	497.0	505.0
30°	641.7	606.4	585.5	567.8	521.1	487.3	464.8	450.4	443.9	443.9	452.0
32.5°	566.2	546.9	527.6	505.0	461.6	439.1	416.6	400.5	394.1	395.7	402.1
35°	471.3	464.8	469.7	448.7	411.7	392.4	369.9	352.2	347.4	349.0	355.5
37.5°	418.2	389.2	406.9	395.7	374.8	349.0	320.1	304.0	295.9	300.8	304.0
40°	384.4	349.0	336.2	347.4	344.2	302.4	276.6	260.6	254.1	255.7	259.0
42.5°	355.5	313.6	284.7	283.1	302.4	263.8	236.4	222.0	213.9	213.9	217.1
45°	328.1	283.1	247.7	220.4	254.1	223.6	197.8	185.0	175.3	175.3	176.9
47.5°	307.2	257.3	215.5	180.1	191.4	183.4	162.4	149.6	139.9	139.9	141.5
50°	287.9	231.6	186.6	151.2	143.1	151.2	131.9	117.4	111.0	109.4	112.6
52.5°	267.0	205.9	159.2	128.7	112.6	114.2	102.9	93.3	85.2	85.2	88.5
55°	246.1	185.0	138.3	109.4	93.3	85.2	82.0	75.6	69.2	69.2	72.4
57.5°	225.2	162.4	117.4	90.1	74.0	67.6	67.6	62.7	57.9	57.9	61.1
60°	205.9	139.9	96.5	74.0	57.9	56.3	57.9	53.1	49.9	49.9	53.1
62.5°	183.4	119.0	78.8	61.1	46.6	45.0	49.9	46.6	43.4	43.4	46.6
65°	156.0	101.3	62.7	46.6	35.4	35.4	41.8	38.6	35.4	35.4	38.6
67.5°	131.9	85.2	48.3	33.8	25.7	27.3	35.4	32.2	30.6	30.6	33.8
70°	109.4	65.9	33.8	20.9	14.5	20.9	27.3	27.3	27.3	27.3	30.6
72.5°	82.0	45.0	19.3	8.0	6.4	14.5	22.5	25.7	24.1	24.1	29.0
75°	53.1	25.7	6.4	0.0	0.0	8.0	17.7	20.9	20.9	19.3	24.1
77.5°	30.6	8.0	0.0	0.0	0.0	0.0	11.3	9.7	8.0	6.4	11.3
80°	8.0	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: P324202
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7	11390.7
2.5°	10036.4	10226.2	10493.2	10776.2	11212.1	11557.9	11897.3	12188.4	12301.0	12347.6
5°	7943.9	8222.1	8613.0	9114.8	9901.3	10609.0	11326.3	12048.5	12362.1	12440.9
7.5°	5700.2	6055.6	6552.6	7181.5	8103.1	9019.9	10021.9	11081.8	11567.6	11689.8
10°	4218.8	4653.1	5222.5	5885.1	6764.9	7707.4	8799.5	10010.6	10565.5	10728.0
12.5°	2993.2	3580.3	4342.7	5148.5	5910.9	6752.0	7857.0	9192.0	9774.2	9949.5
15°	1758.0	2325.7	3228.0	4307.3	5283.6	6136.0	7258.7	8772.2	9413.9	9590.9
17.5°	1008.5	1291.5	1973.5	3176.6	4501.9	5682.5	7070.5	8876.7	9632.7	9796.7
20°	770.4	860.5	1137.1	2045.9	3588.3	5236.9	7070.5	9468.6	10399.9	10641.1
22.5°	673.9	739.9	852.4	1220.8	2641.0	4759.2	7152.5	10324.3	11541.8	11808.8
25°	598.3	657.8	754.3	918.4	1801.4	4191.5	7347.1	11374.6	12886.5	13232.3
27.5°	535.6	591.9	678.7	804.2	1232.0	3506.3	7609.3	12606.6	14369.4	14646.0
30°	479.3	532.4	611.2	699.7	950.6	2729.4	7832.9	13767.9	15533.9	15831.4
32.5°	426.2	474.5	545.2	611.2	778.5	2018.5	7857.0	14687.9	16500.5	16796.5
35°	376.4	419.8	484.1	535.6	645.0	1593.9	7482.3	15485.6	17467.2	17858.0
37.5°	328.1	369.9	426.2	464.8	567.8	1299.6	6909.7	16375.1	18707.2	19069.1
40°	283.1	320.1	378.0	403.7	537.2	998.8	6287.2	17307.9	19923.2	20254.5
42.5°	241.3	276.6	332.9	382.8	471.3	746.3	5614.9	18182.9	21016.9	21364.3
45°	201.0	238.0	294.3	405.3	390.8	558.1	4896.0	18763.5	21880.6	22258.6
47.5°	162.4	204.3	281.5	386.0	312.0	410.1	4326.6	19313.6	22535.2	22908.4
50°	130.3	172.1	316.9	344.2	255.7	313.6	4088.5	19805.8	22964.7	23323.3
52.5°	106.2	144.8	299.2	263.8	213.9	259.0	4217.2	20603.5	23361.9	23587.1
55°	88.5	114.2	180.1	183.4	181.7	220.4	4376.4	21748.7	24389.7	24495.9
57.5°	77.2	91.7	125.5	141.5	152.8	196.2	4379.7	23392.5	25980.4	26046.3
60°	65.9	80.4	104.5	114.2	131.9	175.3	4220.4	23966.7	26606.1	26824.8
62.5°	57.9	70.8	86.9	94.9	111.0	157.6	3847.3	23135.1	25747.2	26118.7
65°	51.5	64.3	72.4	80.4	98.1	141.5	3232.9	21472.1	24322.1	24709.8
67.5°	45.0	56.3	64.3	72.4	88.5	125.5	2380.4	19540.4	22686.4	23008.1
70°	40.2	49.9	57.9	64.3	77.2	106.2	1444.3	16580.9	20425.0	20558.5
72.5°	38.6	45.0	53.1	57.9	67.6	93.3	731.8	12185.2	16328.4	16545.6
75°	33.8	40.2	48.3	51.5	59.5	80.4	297.6	8003.4	11833.0	12182.0
77.5°	27.3	37.0	43.4	46.6	51.5	65.9	151.2	5114.7	8304.1	8529.3
80°	9.7	27.3	37.0	38.6	43.4	48.3	99.7	2800.2	4817.1	4913.6
82.5°	0.0	17.7	29.0	27.3	30.6	37.0	64.3	1331.8	3179.8	3215.2
85°	0.0	8.0	22.5	17.7	12.9	25.7	22.5	291.1	1667.9	1737.1
87.5°	0.0	0.0	1.6	8.0	6.4	9.7	3.2	1.6	151.2	191.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)