

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: P324201

Luminaire Tested: **GAN-SA7B-750-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324201
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-SA7B-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 29965 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

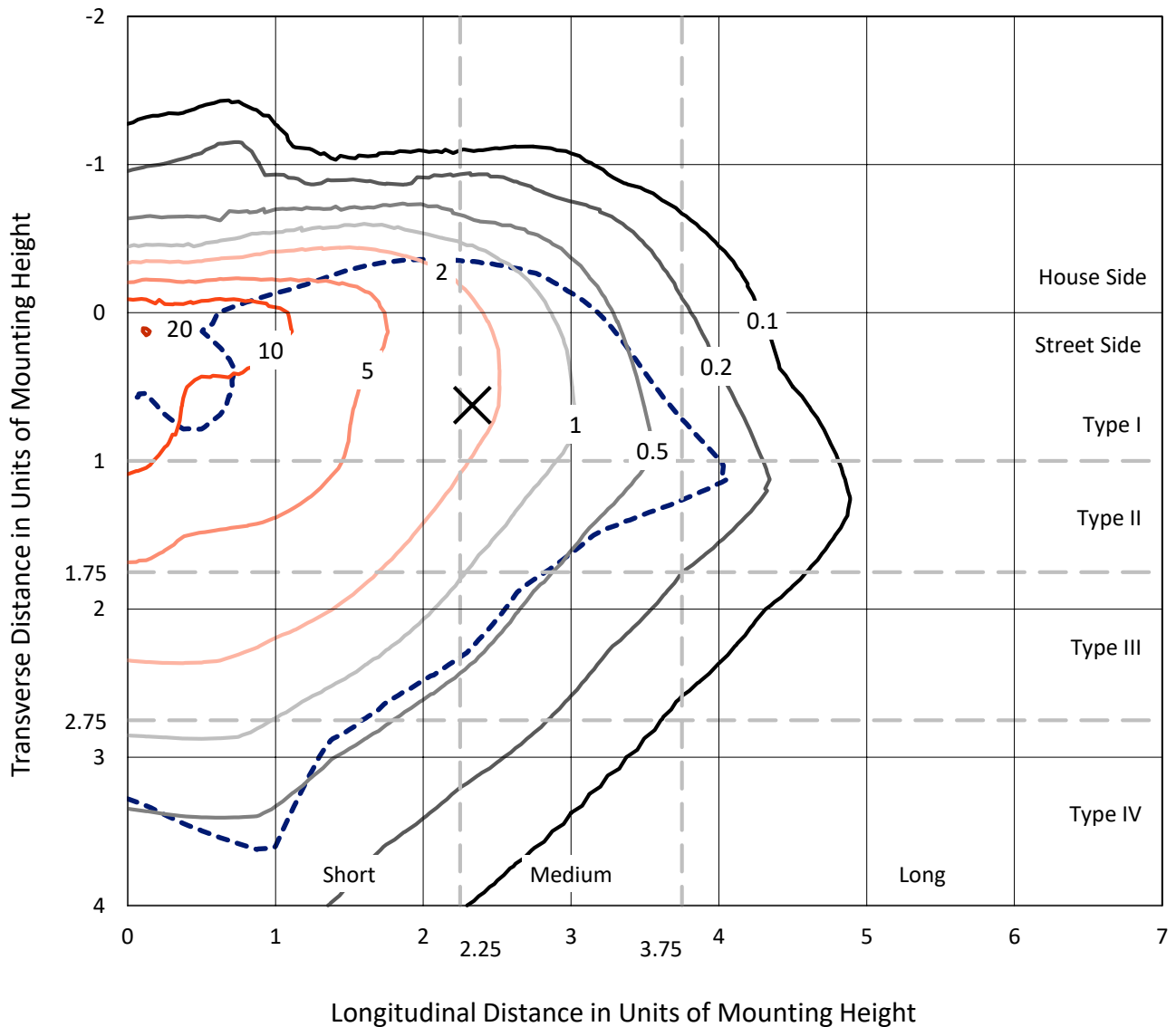
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

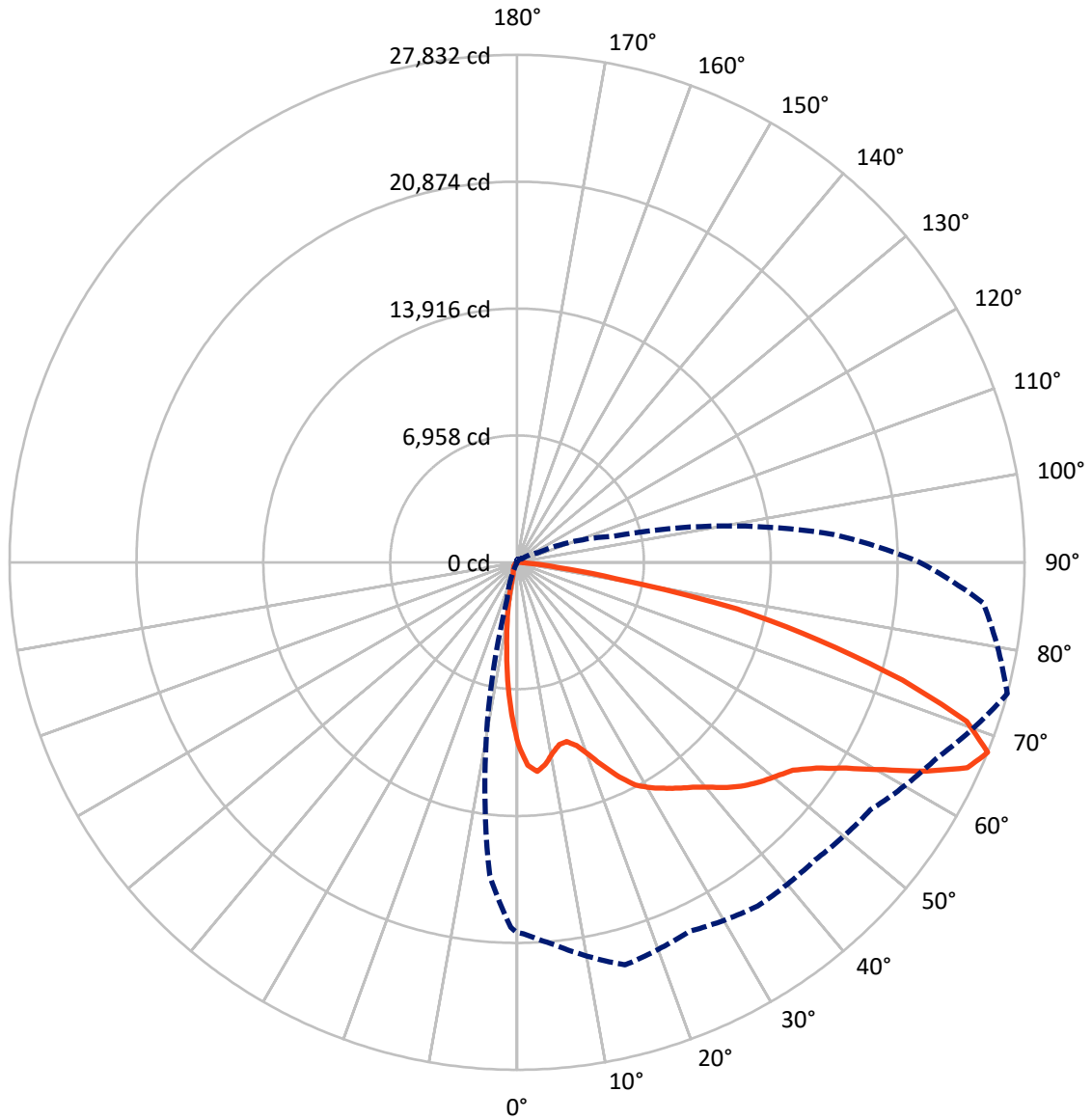
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.8 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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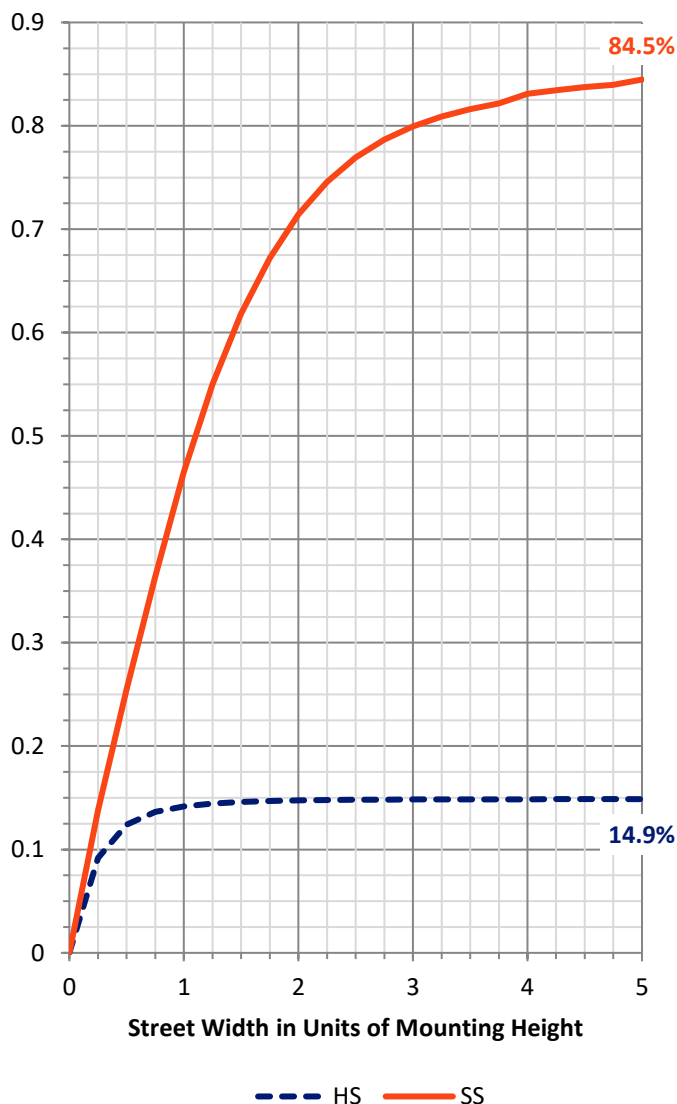
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4496.6	0.0	4496.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	25468.4	0.0	25468.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	29965.0	0.0	29965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.5	2.5
10°-20°	1501.5	5.0
20°-30°	2124.1	7.1
30°-40°	3123.1	10.4
40°-50°	4488.9	15.0
50°-60°	6319.2	21.1
60°-70°	7380.3	24.6
70°-80°	3765.2	12.6
80°-90°	500.2	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°	29965.0	100.0
0°-180°	29965.0	100.0

Coefficient of Utilization

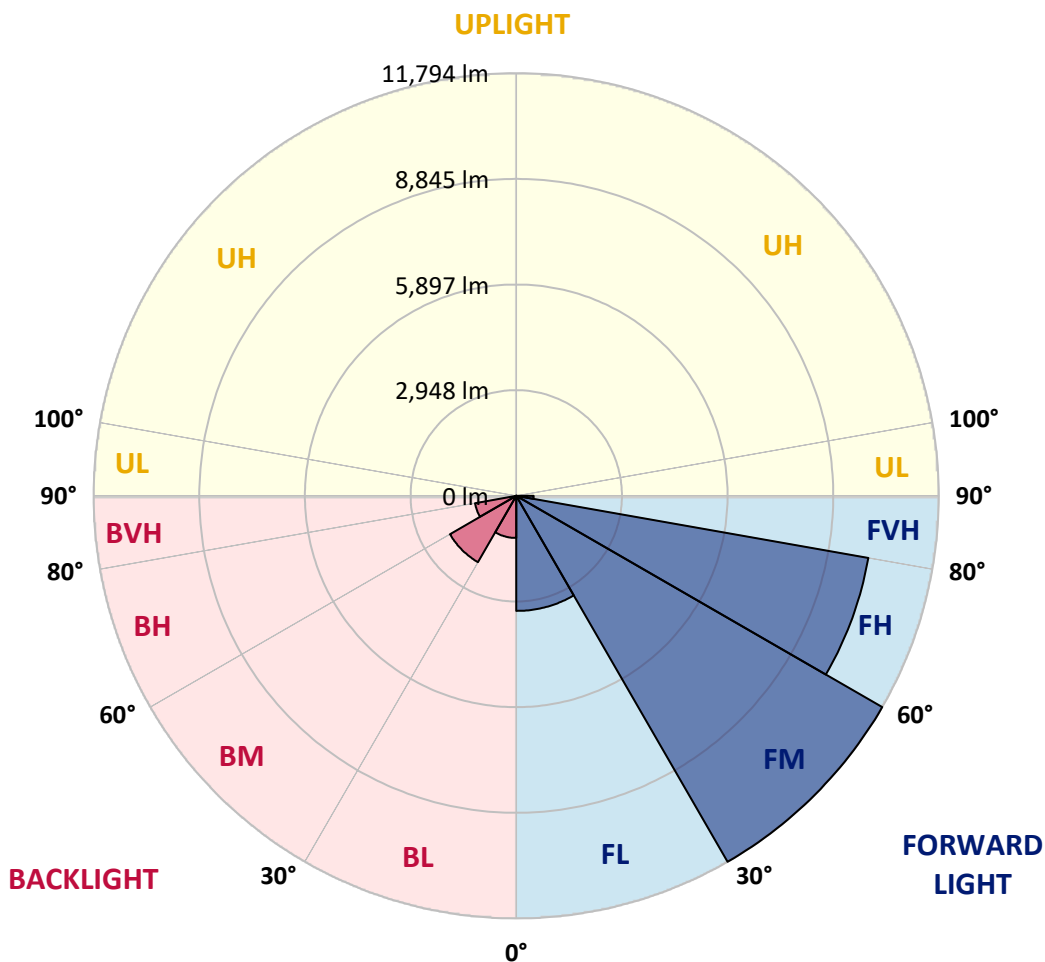


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3212.3	10.7			
FM (30°-60°)	11793.7	39.4			
FH (60°-80°)	9977.5	33.3			G4/12000
FVH (80°-90°)	485.0	1.6			G3/500
BL (0°-30°)	1175.9	3.9	B3/2500		
BM (30°-60°)	2137.5	7.1	B2/2500		
BH (60°-80°)	1168.0	3.9	B3/2500		G3/2500
BVH (80°-90°)	15.2	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°	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7
2.5°	10897.3	10914.4	11002.4	11206.8	11429.6	11446.7	11597.1	11442.4	11389.9	11140.1	10881.7
5°	10979.7	11045.0	11347.3	11947.7	12468.7	12636.2	12755.4	12451.7	12132.3	11521.9	10870.4
7.5°	10316.8	10426.1	10901.6	12028.7	12959.8	13371.5	13449.6	12974.0	12191.9	11186.9	10207.5
10°	9467.9	9592.8	10166.3	11551.7	12830.7	13536.1	13644.0	13020.9	11896.6	10644.7	9490.6
12.5°	8780.9	8927.1	9513.3	11015.2	12386.4	13167.1	13380.0	12863.3	11641.1	10260.0	9000.9
15°	8464.3	8631.8	9247.9	10668.8	11893.8	12508.4	12684.5	12461.6	11499.2	10199.0	8887.4
17.5°	8646.0	8827.7	9463.7	10698.6	11431.1	11693.7	11835.6	11926.5	11499.2	10566.6	9219.5
20°	9391.3	9587.2	10260.0	11001.0	11047.8	10949.9	11101.7	11421.1	11632.6	11265.0	10017.3
22.5°	10421.8	10651.8	11411.2	11519.1	10860.4	10489.9	10509.8	11010.9	11875.4	12150.7	11124.5
25°	11678.0	11959.1	12731.3	12291.3	10938.5	10216.0	10208.9	10673.1	12112.4	13037.9	12358.0
27.5°	12925.8	13235.2	13913.7	13233.8	11260.7	10166.3	10152.1	10570.9	12343.8	13827.1	13705.1
30°	13971.9	14272.9	14857.7	13916.6	11608.5	10282.7	10214.6	10680.2	12481.5	14339.6	14687.3
32.5°	14823.6	15064.9	15537.6	14386.4	11980.4	10508.4	10360.8	10972.6	12715.7	14772.5	15590.1
35°	15760.5	16014.6	16203.3	14833.5	12397.7	10833.5	10622.0	11436.7	13076.2	15212.5	16579.5
37.5°	16829.3	17082.0	17059.3	15242.4	12927.2	11371.4	11236.6	12172.0	13636.9	15648.3	17683.9
40°	17875.5	18133.8	17949.3	15689.5	13548.9	12258.6	12159.3	13276.4	14387.8	16206.2	18978.4
42.5°	18854.9	19134.6	18740.0	16112.5	14289.9	13377.2	13547.5	14698.7	15327.5	16893.2	20094.1
45°	19644.2	19929.5	19402.8	16524.1	15070.6	14734.2	15246.6	16274.3	16457.4	17473.8	20847.9
47.5°	20217.6	20487.3	19862.8	16935.8	16069.9	16393.6	17286.4	17926.6	17478.0	17977.7	21383.0
50°	20583.9	20793.9	19997.6	17451.1	17381.5	18329.7	19411.4	19723.7	18439.0	18431.9	22033.1
52.5°	20816.6	20911.8	20097.0	17989.0	18749.9	20437.6	21492.3	21590.3	19428.4	18931.6	22909.0
55°	21618.7	21695.3	20801.0	18640.6	19881.2	22284.4	23374.5	23283.7	20548.4	19909.6	23942.3
57.5°	22987.0	23067.9	22256.0	19577.4	20796.8	23425.6	24738.7	24901.9	21861.4	21283.7	25049.5
60°	23674.1	23824.5	23534.9	20764.1	21683.9	24155.3	25668.4	26189.4	23502.3	23094.9	26122.7
62.5°	23050.9	23269.5	23689.7	22080.0	22565.4	24557.0	25958.0	26650.7	25183.0	25205.7	26784.1
65°	21807.4	21982.0	22694.6	22801.1	23076.5	24507.3	25242.6	26006.3	26212.1	27144.7	26748.6
67.5°	20305.6	20370.9	20975.6	22857.9	22335.5	23014.0	23093.5	23658.4	25398.7	27831.7	25674.1
70°	18143.8	18179.3	18707.3	20957.2	19194.2	19343.2	19225.4	19340.4	21835.8	26158.1	22961.5
72.5°	14602.2	14691.6	15442.5	17404.2	13983.3	13553.2	14478.7	14427.6	16816.6	22099.9	17053.6
75°	10751.1	10905.9	12040.0	14018.8	9814.3	8877.4	9553.1	9733.4	11954.8	17094.8	10664.5
77.5°	7527.5	7642.5	8741.1	10305.4	7103.1	6347.9	6103.8	6318.1	7890.9	12366.5	5372.7
80°	4336.5	4379.1	5080.3	5950.5	4786.5	5476.3	4961.1	5108.7	4728.3	5501.9	2310.9
82.5°	2837.5	2844.6	3118.6	3541.6	2980.9	3463.5	2563.6	3277.6	2908.5	2210.1	752.3
85°	1533.0	1541.6	1808.4	2513.9	1687.8	953.9	560.7	1151.2	1798.5	506.8	205.8
87.5°	168.9	154.7	545.1	914.1	468.4	86.6	29.8	129.2	288.2	32.6	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°	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7
2.5°	10749.7	10631.9	10338.1	10027.2	9777.4	9543.2	9307.5	9019.4	8796.5	8751.1	8677.3
5°	10519.8	10146.4	9530.4	8911.5	8413.2	7784.4	7385.5	7074.7	6770.9	6752.5	6691.4
7.5°	9716.3	9225.2	8357.9	7501.9	6800.7	6201.7	5597.0	5192.5	4874.5	4762.3	4695.6
10°	8944.1	8392.0	7308.9	6332.3	5706.3	5176.8	4751.0	4328.0	3944.7	3680.7	3561.5
12.5°	8404.7	7794.4	6600.6	5758.8	5310.3	4807.8	4288.2	3760.2	3318.7	3000.8	2806.3
15°	8196.1	7544.5	6363.5	5531.7	4978.1	4342.2	3677.9	3074.6	2584.9	2296.7	2122.1
17.5°	8444.5	7686.5	6345.1	5254.9	4481.3	3690.6	2956.8	2244.2	1782.9	1564.3	1452.1
20°	9074.7	8137.9	6338.0	4915.7	3890.8	2918.4	2002.9	1476.3	1196.6	1074.5	1022.0
22.5°	9966.2	8714.2	6394.7	4580.7	3276.2	2085.2	1382.6	1084.5	941.1	875.8	846.0
25°	11113.1	9523.3	6555.2	4276.9	2698.4	1555.7	1077.4	908.5	807.7	756.6	735.3
27.5°	12335.3	10454.5	6805.0	4012.9	2228.6	1240.6	922.7	777.9	705.5	670.0	650.1
30°	13343.1	11533.3	7057.6	3719.0	1887.9	1081.6	844.6	709.7	626.0	603.3	584.8
32.5°	14224.6	12349.5	7236.5	3453.6	1665.0	961.0	763.7	634.5	577.7	533.7	513.9
35°	15137.3	13029.4	7230.8	3267.6	1511.7	870.1	695.5	567.8	499.7	448.6	432.9
37.5°	16125.3	13797.3	7107.3	3108.7	1445.0	797.7	657.2	532.3	464.2	413.1	393.2
40°	17282.1	14603.6	6981.0	2959.6	1426.6	739.5	630.2	503.9	431.5	381.8	362.0
42.5°	18409.2	15330.4	6870.3	2848.9	1347.1	738.1	606.1	482.6	406.0	357.7	335.0
45°	19310.6	16007.5	6849.0	2782.2	1263.3	763.7	593.3	468.4	386.1	337.8	316.5
47.5°	20060.1	16742.7	6985.3	2735.3	1183.8	697.0	624.6	458.5	367.6	320.8	296.7
50°	20951.5	17645.5	7306.1	2658.7	1100.1	627.4	715.4	461.3	352.0	303.8	278.2
52.5°	22195.0	18894.7	7777.3	2529.5	985.1	563.5	704.1	464.2	335.0	285.3	259.8
55°	23588.9	20454.7	8284.1	2315.2	824.7	479.8	603.3	444.3	302.3	265.4	241.3
57.5°	25053.8	21869.9	8585.0	2059.7	655.8	414.5	482.6	404.6	266.9	238.5	222.9
60°	25283.7	22407.9	8447.3	1746.0	520.9	360.5	357.7	411.6	238.5	210.1	198.7
62.5°	24711.7	21732.2	7781.6	1466.3	435.8	316.5	293.8	359.1	215.8	187.4	176.0
65°	23611.6	19905.3	6702.8	1321.5	404.6	271.1	244.2	252.7	188.8	163.2	153.3
67.5°	22081.4	17466.7	5503.3	1239.2	400.3	232.8	208.7	191.6	163.2	141.9	133.4
70°	18952.9	14551.1	4390.4	1193.8	388.9	195.9	176.0	156.1	136.3	120.7	113.6
72.5°	13949.2	10311.1	3415.3	1144.1	391.8	156.1	153.3	129.2	109.3	93.7	90.8
75°	8059.8	5890.8	2239.9	926.9	373.3	120.7	127.8	90.8	76.7	65.3	65.3
77.5°	4295.3	3592.7	853.1	386.1	136.3	76.7	72.4	53.9	48.3	39.7	38.3
80°	1872.3	1581.3	256.9	107.9	75.2	41.2	27.0	24.1	21.3	17.0	15.6
82.5°	662.9	572.0	83.7	52.5	32.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	150.5	107.9	0.0	12.8	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°	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7
2.5°	8526.8	8495.6	8311.0	8318.1	8350.8	8397.6	8286.9	8338.0	8475.7	8607.7	8657.4
5°	6593.5	6600.6	6488.4	6558.0	6620.4	6663.0	6484.2	6487.0	6596.3	6745.4	6823.4
7.5°	4646.0	4634.6	4640.3	4806.4	4924.2	4839.0	4905.7	4674.3	4688.5	4795.0	4715.5
10°	3453.6	3297.4	3209.4	3334.4	3463.5	3416.7	3301.7	3226.5	3279.0	3396.8	3388.3
12.5°	2714.0	2489.8	2357.8	2268.3	2374.8	2286.8	2283.9	2218.6	2147.7	2160.4	2349.2
15°	2041.2	1878.0	1721.8	1578.5	1575.6	1545.8	1393.9	1223.6	1209.4	1217.9	1315.9
17.5°	1403.9	1348.5	1284.6	1161.1	1128.5	1003.6	855.9	787.8	753.7	769.4	802.0
20°	986.5	965.2	972.3	905.6	858.8	739.5	653.0	626.0	620.3	635.9	651.5
22.5°	817.6	779.3	775.0	745.2	698.4	611.8	565.0	549.3	542.2	556.4	567.8
25°	715.4	677.1	661.5	643.0	593.3	533.7	505.3	491.1	484.0	492.6	499.7
27.5°	630.2	594.8	580.6	567.8	519.5	476.9	454.2	441.5	435.8	438.6	445.7
30°	566.4	535.1	516.7	501.1	459.9	430.1	410.2	397.5	391.8	391.8	398.9
32.5°	499.7	482.6	465.6	445.7	407.4	387.5	367.6	353.5	347.8	349.2	354.9
35°	415.9	410.2	414.5	396.0	363.4	346.4	326.5	310.9	306.6	308.0	313.7
37.5°	369.1	343.5	359.1	349.2	330.7	308.0	282.5	268.3	261.2	265.4	268.3
40°	339.3	308.0	296.7	306.6	303.8	266.9	244.2	230.0	224.3	225.7	228.5
42.5°	313.7	276.8	251.2	249.8	266.9	232.8	208.7	195.9	188.8	188.8	191.6
45°	289.6	249.8	218.6	194.5	224.3	197.3	174.6	163.2	154.7	154.7	156.1
47.5°	271.1	227.1	190.2	159.0	168.9	161.8	143.4	132.0	123.5	123.5	124.9
50°	254.1	204.4	164.7	133.4	126.3	133.4	116.4	103.6	97.9	96.5	99.4
52.5°	235.6	181.7	140.5	113.6	99.4	100.8	90.8	82.3	75.2	75.2	78.1
55°	217.2	163.2	122.1	96.5	82.3	75.2	72.4	66.7	61.0	61.0	63.9
57.5°	198.7	143.4	103.6	79.5	65.3	59.6	59.6	55.4	51.1	51.1	53.9
60°	181.7	123.5	85.2	65.3	51.1	49.7	51.1	46.8	44.0	44.0	46.8
62.5°	161.8	105.0	69.6	53.9	41.2	39.7	44.0	41.2	38.3	38.3	41.2
65°	137.7	89.4	55.4	41.2	31.2	31.2	36.9	34.1	31.2	31.2	34.1
67.5°	116.4	75.2	42.6	29.8	22.7	24.1	31.2	28.4	27.0	27.0	29.8
70°	96.5	58.2	29.8	18.5	12.8	18.5	24.1	24.1	24.1	24.1	27.0
72.5°	72.4	39.7	17.0	7.1	5.7	12.8	19.9	22.7	21.3	21.3	25.6
75°	46.8	22.7	5.7	0.0	0.0	7.1	15.6	18.5	18.5	17.0	21.3
77.5°	27.0	7.1	0.0	0.0	0.0	0.0	9.9	8.5	7.1	5.7	9.9
80°	7.1	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: P324201
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7	10052.7
2.5°	8857.5	9025.0	9260.7	9510.5	9895.2	10200.4	10499.9	10756.8	10856.2	10897.3
5°	7010.8	7256.4	7601.3	8044.2	8738.3	9362.9	9996.0	10633.3	10910.1	10979.7
7.5°	5030.6	5344.3	5783.0	6338.0	7151.3	7960.4	8844.8	9780.2	10208.9	10316.8
10°	3723.3	4106.6	4609.0	5193.9	5970.3	6802.1	7766.0	8834.8	9324.6	9467.9
12.5°	2641.6	3159.8	3832.6	4543.7	5216.6	5959.0	6934.2	8112.3	8626.2	8780.9
15°	1551.5	2052.6	2848.9	3801.4	4663.0	5415.3	6406.1	7741.8	8308.2	8464.3
17.5°	890.0	1139.8	1741.7	2803.5	3973.1	5015.0	6240.0	7834.1	8501.3	8646.0
20°	679.9	759.4	1003.6	1805.6	3166.9	4621.8	6240.0	8356.5	9178.3	9391.3
22.5°	594.8	653.0	752.3	1077.4	2330.8	4200.2	6312.4	9111.6	10186.2	10421.8
25°	528.0	580.6	665.7	810.5	1589.8	3699.2	6484.2	10038.6	11372.9	11678.0
27.5°	472.7	522.4	599.0	709.7	1087.3	3094.5	6715.6	11125.9	12681.6	12925.8
30°	423.0	469.8	539.4	617.5	838.9	2408.9	6912.9	12150.7	13709.3	13971.9
32.5°	376.2	418.7	481.2	539.4	687.0	1781.4	6934.2	12962.7	14562.4	14823.6
35°	332.2	370.5	427.3	472.7	569.2	1406.7	6603.4	13666.7	15415.5	15760.5
37.5°	289.6	326.5	376.2	410.2	501.1	1146.9	6098.1	14451.7	16510.0	16829.3
40°	249.8	282.5	333.6	356.3	474.1	881.5	5548.7	15275.0	17583.1	17875.5
42.5°	212.9	244.2	293.8	337.8	415.9	658.6	4955.4	16047.2	18548.3	18854.9
45°	177.4	210.1	259.8	357.7	344.9	492.6	4320.9	16559.6	19310.6	19644.2
47.5°	143.4	180.3	248.4	340.7	275.4	362.0	3818.4	17045.1	19888.3	20217.6
50°	115.0	151.9	279.6	303.8	225.7	276.8	3608.3	17479.5	20267.3	20583.9
52.5°	93.7	127.8	264.0	232.8	188.8	228.5	3721.9	18183.5	20617.9	20816.6
55°	78.1	100.8	159.0	161.8	160.4	194.5	3862.4	19194.2	21525.0	21618.7
57.5°	68.1	80.9	110.7	124.9	134.9	173.2	3865.2	20644.9	22928.8	22987.0
60°	58.2	71.0	92.3	100.8	116.4	154.7	3724.7	21151.6	23481.0	23674.1
62.5°	51.1	62.5	76.7	83.7	97.9	139.1	3395.4	20417.8	22723.0	23050.9
65°	45.4	56.8	63.9	71.0	86.6	124.9	2853.2	18950.0	21465.4	21807.4
67.5°	39.7	49.7	56.8	63.9	78.1	110.7	2100.8	17245.2	20021.7	20305.6
70°	35.5	44.0	51.1	56.8	68.1	93.7	1274.7	14633.4	18026.0	18143.8
72.5°	34.1	39.7	46.8	51.1	59.6	82.3	645.9	10754.0	14410.5	14602.2
75°	29.8	35.5	42.6	45.4	52.5	71.0	262.6	7063.3	10443.1	10751.1
77.5°	24.1	32.6	38.3	41.2	45.4	58.2	133.4	4513.9	7328.8	7527.5
80°	8.5	24.1	32.6	34.1	38.3	42.6	88.0	2471.3	4251.3	4336.5
82.5°	0.0	15.6	25.6	24.1	27.0	32.6	56.8	1175.3	2806.3	2837.5
85°	0.0	7.1	19.9	15.6	11.4	22.7	19.9	256.9	1472.0	1533.0
87.5°	0.0	0.0	1.4	7.1	5.7	8.5	2.8	1.4	133.4	168.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)