

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: P324371

Luminaire Tested: **GAN-SA7C-722-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324371
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-SA7C-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2200K, 1050mA 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: 27266 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

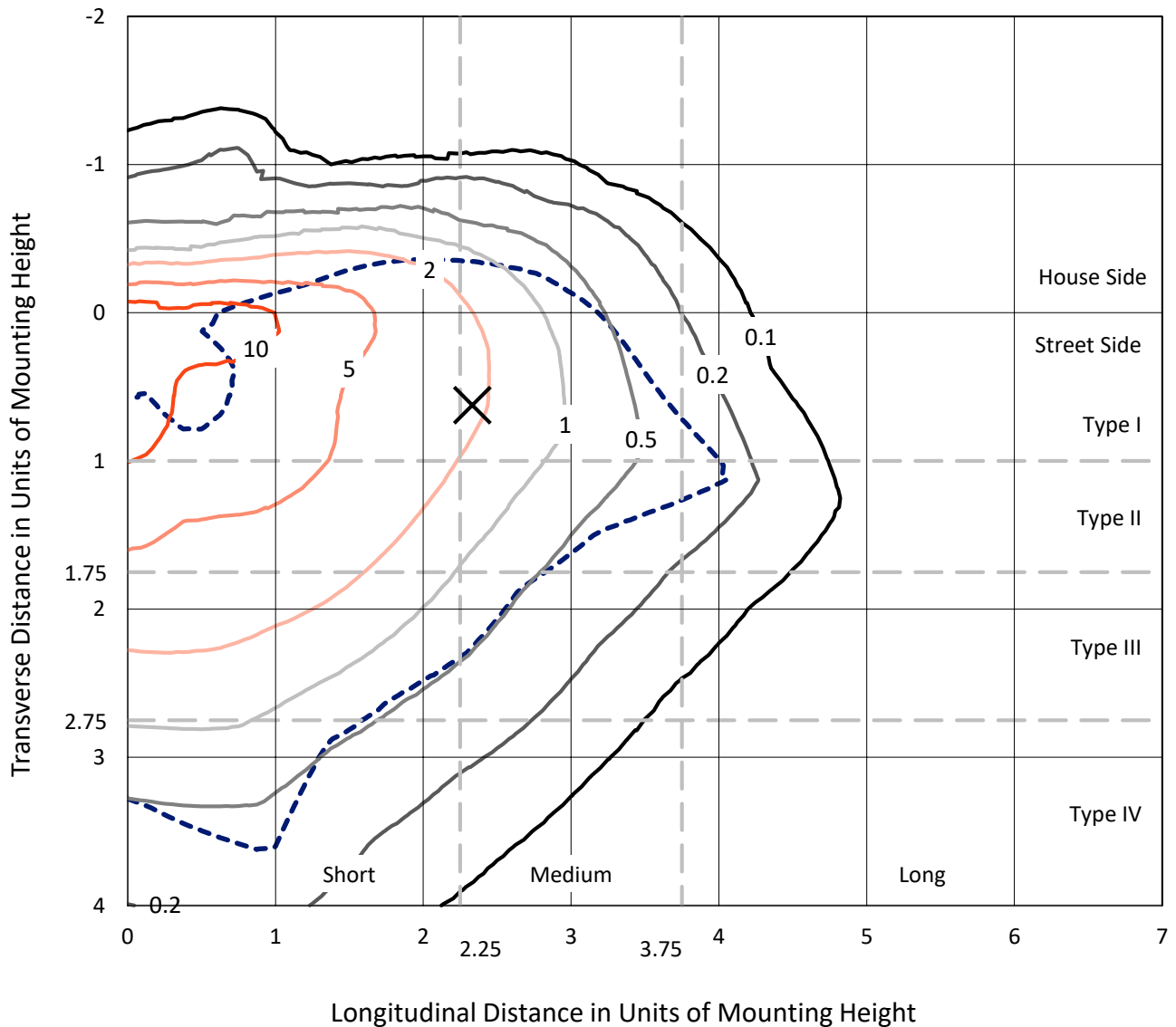
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

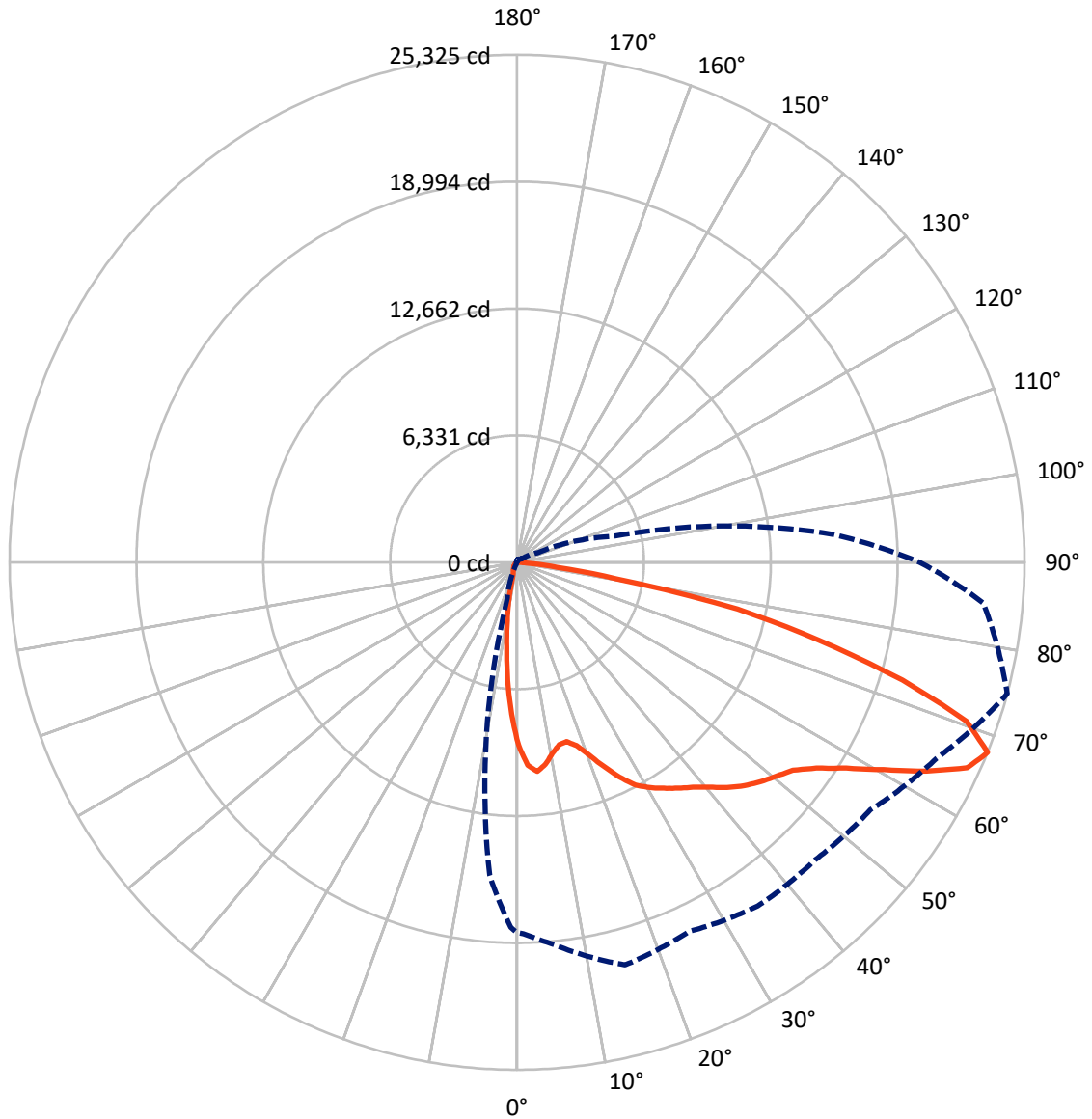
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 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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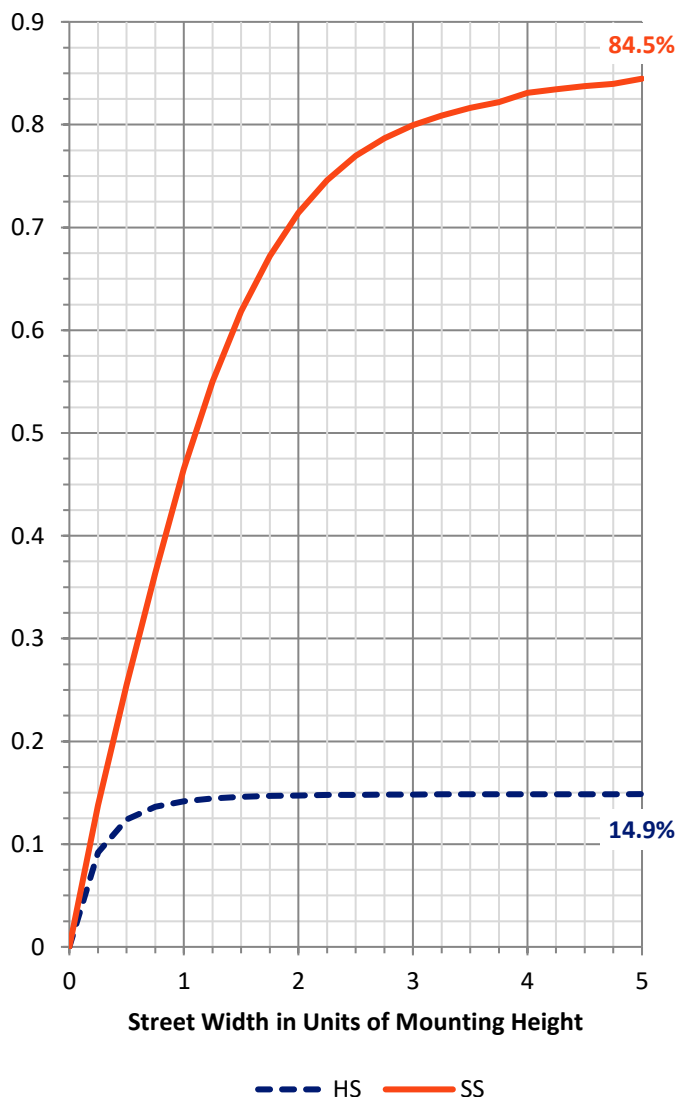
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4091.6	0.0	4091.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	23174.5	0.0	23174.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	27266.0	0.0	27266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.9	2.5
10°-20°	1366.2	5.0
20°-30°	1932.8	7.1
30°-40°	2841.8	10.4
40°-50°	4084.6	15.0
50°-60°	5750.0	21.1
60°-70°	6715.5	24.6
70°-80°	3426.0	12.6
80°-90°	455.1	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°	27266.0	100.0
0°-180°	27266.0	100.0

Coefficient of Utilization

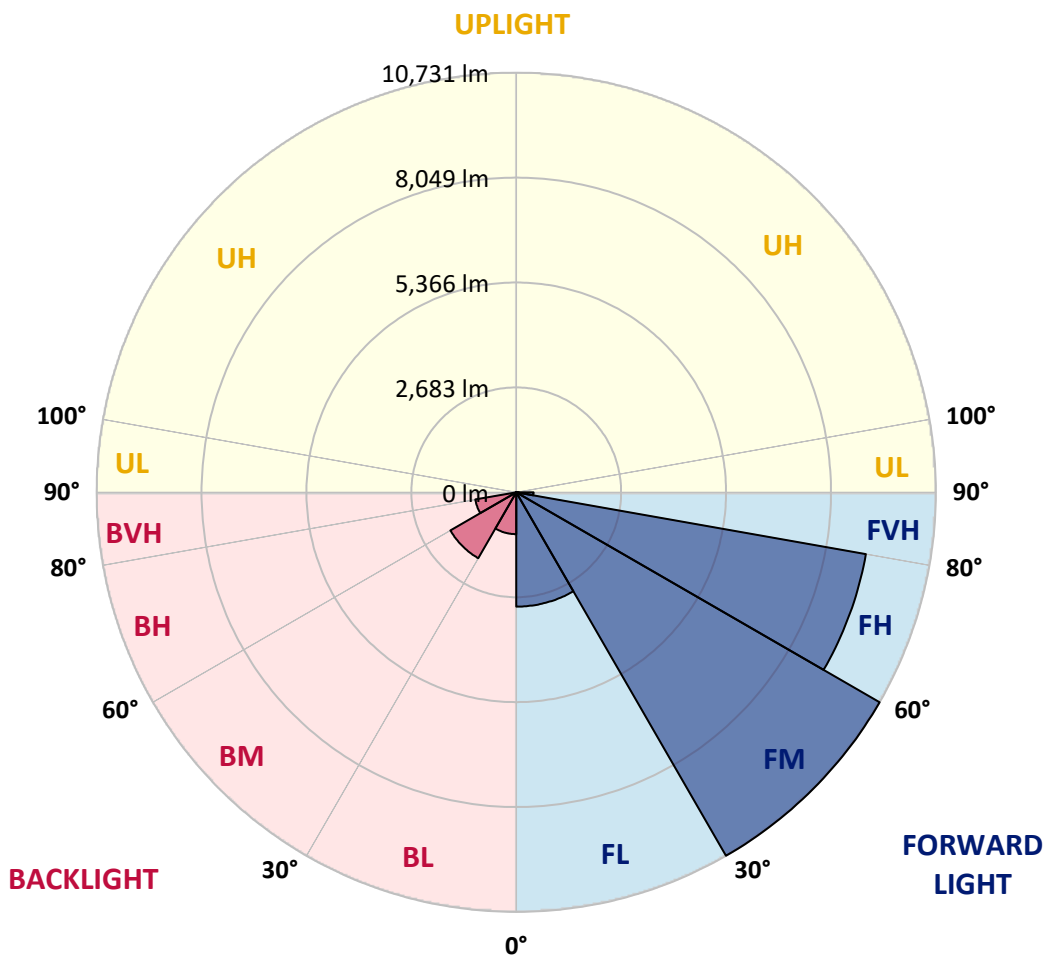


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2922.9	10.7			
FM (30°-60°)	10731.4	39.4			
FH (60°-80°)	9078.8	33.3			G4/12000
FVH (80°-90°)	441.3	1.6			G3/500
BL (0°-30°)	1070.0	3.9	B3/2500		
BM (30°-60°)	1945.0	7.1	B2/2500		
BH (60°-80°)	1062.8	3.9	B3/2500		G3/2500
BVH (80°-90°)	13.8	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°	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3
2.5°	9915.8	9931.3	10011.4	10197.4	10400.2	10415.7	10552.6	10411.8	10364.0	10136.7	9901.6
5°	9990.7	10050.1	10325.2	10871.6	11345.6	11498.0	11606.5	11330.1	11039.5	10484.1	9891.3
7.5°	9387.5	9487.0	9919.7	10945.2	11792.5	12167.1	12238.1	11805.4	11093.8	10179.3	9288.1
10°	8615.1	8728.8	9250.6	10511.2	11675.0	12316.9	12415.1	11848.1	10825.1	9685.9	8635.8
12.5°	7990.0	8123.0	8656.5	10023.0	11270.7	11981.1	12174.8	11704.7	10592.6	9335.9	8190.2
15°	7702.0	7854.4	8414.9	9707.8	10822.5	11381.8	11541.9	11339.2	10463.4	9280.3	8086.9
17.5°	7867.3	8032.6	8611.3	9735.0	10401.4	10640.4	10769.6	10852.2	10463.4	9614.8	8389.1
20°	8545.4	8723.6	9335.9	10010.1	10052.7	9963.6	10101.8	10392.4	10584.9	10250.3	9115.0
22.5°	9483.1	9692.3	10383.4	10481.5	9882.2	9545.1	9563.2	10019.1	10805.7	11056.3	10122.5
25°	10626.2	10881.9	11584.6	11184.2	9953.2	9295.8	9289.4	9711.7	11021.4	11863.6	11244.9
27.5°	11761.5	12043.1	12660.5	12041.8	10246.4	9250.6	9237.7	9618.7	11232.0	12581.7	12470.6
30°	12713.4	12987.3	13519.4	12663.1	10562.9	9356.5	9294.5	9718.2	11357.2	13048.0	13364.4
32.5°	13488.4	13708.0	14138.1	13090.6	10901.3	9561.9	9427.6	9984.2	11570.4	13441.9	14185.9
35°	14340.9	14572.1	14743.9	13497.5	11281.0	9857.7	9665.2	10406.6	11898.4	13842.3	15086.2
37.5°	15313.5	15543.4	15522.7	13869.5	11762.8	10347.2	10224.5	11075.7	12408.6	14238.9	16091.0
40°	16265.4	16500.5	16332.6	14276.3	12328.5	11154.5	11064.0	12080.6	13091.9	14746.5	17269.0
42.5°	17156.6	17411.1	17052.0	14661.2	13002.8	12172.3	12327.3	13374.8	13946.9	15371.6	18284.2
45°	17874.8	18134.4	17655.2	15035.8	13713.2	13407.1	13873.3	14808.5	14975.1	15899.9	18970.1
47.5°	18396.6	18642.0	18073.7	15410.4	14622.5	14917.0	15729.4	16311.9	15903.8	16358.4	19457.0
50°	18729.8	18921.0	18196.4	15879.2	15815.9	16678.7	17662.9	17947.1	16778.2	16771.7	20048.6
52.5°	18941.7	19028.2	18286.8	16368.7	17061.1	18596.8	19556.5	19645.6	17678.4	17226.4	20845.5
55°	19671.4	19741.2	18927.4	16961.6	18090.5	20277.2	21269.2	21186.5	18697.5	18116.3	21785.8
57.5°	20916.5	20990.2	20251.4	17814.1	18923.6	21315.7	22510.4	22658.9	19892.3	19366.6	22793.3
60°	21541.7	21678.6	21415.1	18893.9	19730.8	21979.6	23356.4	23830.5	21385.4	21014.7	23769.7
62.5°	20974.7	21173.6	21555.9	20091.2	20532.9	22345.1	23619.9	24250.2	22914.7	22935.4	24371.6
65°	19843.2	20002.1	20650.5	20747.3	20997.9	22299.9	22968.9	23663.8	23851.1	24699.7	24339.4
67.5°	18476.7	18536.1	19086.3	20799.0	20323.7	20941.1	21013.4	21527.5	23111.0	25324.9	23361.6
70°	16509.5	16541.8	17022.3	19069.5	17465.3	17601.0	17493.7	17598.4	19869.0	23802.0	20893.3
72.5°	13286.9	13368.3	14051.6	15836.6	12723.8	12332.4	13174.6	13128.1	15301.9	20109.3	15517.6
75°	9782.8	9923.5	10955.5	12756.1	8930.3	8077.8	8692.6	8856.7	10878.1	15555.0	9704.0
77.5°	6849.5	6954.1	7953.8	9377.2	6463.3	5776.1	5554.0	5749.0	7180.1	11252.6	4888.8
80°	3945.9	3984.7	4622.7	5414.5	4355.4	4983.1	4514.2	4648.6	4302.4	5006.3	2102.8
82.5°	2582.0	2588.4	2837.7	3222.6	2712.4	3151.6	2332.7	2982.4	2646.5	2011.1	684.6
85°	1395.0	1402.7	1645.5	2287.5	1535.7	868.0	510.2	1047.5	1636.5	461.1	187.3
87.5°	153.7	140.8	496.0	831.8	426.2	78.8	27.1	117.5	262.2	29.7	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°	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3
2.5°	9781.5	9674.3	9406.9	9124.0	8896.7	8683.6	8469.2	8207.0	8004.2	7962.9	7895.7
5°	9572.2	9232.5	8672.0	8108.8	7655.5	7083.3	6720.3	6437.5	6161.0	6144.3	6088.7
7.5°	8841.2	8394.3	7605.1	6826.2	6188.2	5643.1	5092.9	4724.8	4435.4	4333.4	4272.7
10°	8138.5	7636.1	6650.6	5761.9	5192.3	4710.6	4323.1	3938.2	3589.4	3349.2	3240.7
12.5°	7647.7	7092.3	6006.0	5240.1	4832.0	4374.7	3902.0	3421.5	3019.8	2730.5	2553.5
15°	7457.8	6865.0	5790.3	5033.5	4529.7	3951.1	3346.6	2797.7	2352.0	2089.8	1931.0
17.5°	7683.9	6994.1	5773.6	4781.6	4077.7	3358.2	2690.5	2042.1	1622.3	1423.4	1321.3
20°	8257.3	7404.9	5767.1	4472.9	3540.3	2655.6	1822.5	1343.3	1088.8	977.8	930.0
22.5°	9068.5	7929.3	5818.8	4168.1	2981.1	1897.4	1258.0	986.8	856.3	796.9	769.8
25°	10112.1	8665.5	5964.7	3891.7	2455.4	1415.6	980.3	826.6	734.9	688.4	669.1
27.5°	11224.2	9512.8	6192.0	3651.4	2027.8	1128.9	839.6	707.8	641.9	609.6	591.6
30°	12141.3	10494.4	6422.0	3384.1	1717.9	984.2	768.5	645.8	569.6	548.9	532.1
32.5°	12943.4	11237.1	6584.7	3142.5	1515.1	874.4	694.9	577.4	525.7	485.7	467.6
35°	13773.9	11855.8	6579.5	2973.3	1375.6	791.8	632.9	516.6	454.7	408.2	393.9
37.5°	14672.8	12554.6	6467.2	2828.7	1314.9	725.9	598.0	484.4	422.4	375.9	357.8
40°	15725.5	13288.2	6352.2	2693.0	1298.1	672.9	573.5	458.5	392.7	347.4	329.4
42.5°	16751.1	13949.5	6251.5	2592.3	1225.8	671.6	551.5	439.2	369.4	325.5	304.8
45°	17571.2	14565.6	6232.1	2531.6	1149.5	694.9	539.9	426.2	351.3	307.4	288.0
47.5°	18253.2	15234.7	6356.1	2489.0	1077.2	634.2	568.3	417.2	334.5	291.9	269.9
50°	19064.4	16056.2	6648.0	2419.2	1001.0	570.9	651.0	419.8	320.3	276.4	253.2
52.5°	20195.8	17192.8	7076.8	2301.7	896.4	512.8	640.6	422.4	304.8	259.6	236.4
55°	21464.2	18612.3	7537.9	2106.6	750.4	436.6	548.9	404.3	275.1	241.5	219.6
57.5°	22797.2	19900.0	7811.7	1874.1	596.7	377.2	439.2	368.1	242.8	217.0	202.8
60°	23006.4	20389.6	7686.5	1588.7	474.0	328.1	325.5	374.6	217.0	191.2	180.8
62.5°	22485.9	19774.8	7080.7	1334.2	396.5	288.0	267.4	326.8	196.3	170.5	160.2
65°	21484.9	18112.4	6099.0	1202.5	368.1	246.7	222.2	229.9	171.8	148.5	139.5
67.5°	20092.5	15893.4	5007.6	1127.6	364.2	211.8	189.9	174.4	148.5	129.2	121.4
70°	17245.8	13240.4	3995.0	1086.3	353.9	178.2	160.2	142.1	124.0	109.8	103.3
72.5°	12692.8	9382.4	3107.6	1041.0	356.5	142.1	139.5	117.5	99.5	85.2	82.7
75°	7333.8	5360.2	2038.2	843.4	339.7	109.8	116.2	82.7	69.7	59.4	59.4
77.5°	3908.5	3269.1	776.3	351.3	124.0	69.7	65.9	49.1	43.9	36.2	34.9
80°	1703.7	1438.9	233.8	98.2	68.5	37.5	24.5	22.0	19.4	15.5	14.2
82.5°	603.2	520.5	76.2	47.8	29.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	136.9	98.2	0.0	11.6	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°	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3
2.5°	7758.8	7730.4	7562.5	7568.9	7598.6	7641.2	7540.5	7587.0	7712.3	7832.4	7877.6
5°	5999.6	6006.0	5904.0	5967.3	6024.1	6062.9	5900.1	5902.7	6002.2	6137.8	6208.8
7.5°	4227.5	4217.2	4222.3	4373.4	4480.6	4403.1	4463.9	4253.3	4266.2	4363.1	4290.8
10°	3142.5	3000.4	2920.4	3034.0	3151.6	3108.9	3004.3	2935.9	2983.6	3090.9	3083.1
12.5°	2469.6	2265.5	2145.4	2064.0	2160.9	2080.8	2078.2	2018.8	1954.2	1965.9	2137.6
15°	1857.4	1708.8	1566.7	1436.3	1433.7	1406.6	1268.4	1113.4	1100.5	1108.2	1197.3
17.5°	1277.4	1227.0	1168.9	1056.5	1026.8	913.2	778.8	716.9	685.9	700.1	729.8
20°	897.7	878.3	884.8	824.1	781.4	672.9	594.1	569.6	564.4	578.6	592.9
22.5°	744.0	709.1	705.2	678.1	635.5	556.7	514.1	499.9	493.4	506.3	516.6
25°	651.0	616.1	601.9	585.1	539.9	485.7	459.8	446.9	440.4	448.2	454.7
27.5°	573.5	541.2	528.3	516.6	472.7	434.0	413.3	401.7	396.5	399.1	405.6
30°	515.4	486.9	470.2	455.9	418.5	391.4	373.3	361.7	356.5	356.5	362.9
32.5°	454.7	439.2	423.7	405.6	370.7	352.6	334.5	321.6	316.4	317.7	322.9
35°	378.4	373.3	377.2	360.4	330.7	315.2	297.1	282.9	279.0	280.3	285.4
37.5°	335.8	312.6	326.8	317.7	300.9	280.3	257.0	244.1	237.7	241.5	244.1
40°	308.7	280.3	269.9	279.0	276.4	242.8	222.2	209.2	204.1	205.4	208.0
42.5°	285.4	251.9	228.6	227.3	242.8	211.8	189.9	178.2	171.8	171.8	174.4
45°	263.5	227.3	198.9	177.0	204.1	179.5	158.9	148.5	140.8	140.8	142.1
47.5°	246.7	206.7	173.1	144.7	153.7	147.2	130.5	120.1	112.4	112.4	113.7
50°	231.2	186.0	149.8	121.4	115.0	121.4	105.9	94.3	89.1	87.8	90.4
52.5°	214.4	165.3	127.9	103.3	90.4	91.7	82.7	74.9	68.5	68.5	71.0
55°	197.6	148.5	111.1	87.8	74.9	68.5	65.9	60.7	55.5	55.5	58.1
57.5°	180.8	130.5	94.3	72.3	59.4	54.2	54.2	50.4	46.5	46.5	49.1
60°	165.3	112.4	77.5	59.4	46.5	45.2	46.5	42.6	40.0	40.0	42.6
62.5°	147.2	95.6	63.3	49.1	37.5	36.2	40.0	37.5	34.9	34.9	37.5
65°	125.3	81.4	50.4	37.5	28.4	28.4	33.6	31.0	28.4	28.4	31.0
67.5°	105.9	68.5	38.7	27.1	20.7	22.0	28.4	25.8	24.5	24.5	27.1
70°	87.8	53.0	27.1	16.8	11.6	16.8	22.0	22.0	22.0	22.0	24.5
72.5°	65.9	36.2	15.5	6.5	5.2	11.6	18.1	20.7	19.4	19.4	23.2
75°	42.6	20.7	5.2	0.0	0.0	6.5	14.2	16.8	16.8	15.5	19.4
77.5°	24.5	6.5	0.0	0.0	0.0	0.0	9.0	7.7	6.5	5.2	9.0
80°	6.5	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: P324371
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3	9147.3
2.5°	8059.7	8212.1	8426.6	8653.9	9003.9	9281.6	9554.1	9787.9	9878.3	9915.8
5°	6379.3	6602.8	6916.6	7319.6	7951.2	8519.5	9095.6	9675.6	9927.4	9990.7
7.5°	4577.5	4863.0	5262.1	5767.1	6507.2	7243.4	8048.1	8899.3	9289.4	9387.5
10°	3387.9	3736.7	4193.9	4726.0	5432.6	6189.5	7066.5	8039.1	8484.7	8615.1
12.5°	2403.7	2875.2	3487.4	4134.5	4746.7	5422.2	6309.6	7381.6	7849.2	7990.0
15°	1411.7	1867.7	2592.3	3459.0	4243.0	4927.5	5829.1	7044.5	7559.9	7702.0
17.5°	809.8	1037.2	1584.8	2551.0	3615.3	4563.3	5678.0	7128.5	7735.5	7867.3
20°	618.7	691.0	913.2	1642.9	2881.6	4205.5	5678.0	7603.8	8351.6	8545.4
22.5°	541.2	594.1	684.6	980.3	2120.8	3821.9	5743.8	8290.9	9268.7	9483.1
25°	480.5	528.3	605.8	737.5	1446.6	3366.0	5900.1	9134.4	10348.5	10626.2
27.5°	430.1	475.3	545.1	645.8	989.4	2815.7	6110.7	10123.7	11539.4	11761.5
30°	384.9	427.5	490.8	561.9	763.3	2191.9	6290.2	11056.3	12474.5	12713.4
32.5°	342.3	381.0	437.9	490.8	625.1	1621.0	6309.6	11795.1	13250.8	13488.4
35°	302.2	337.1	388.8	430.1	517.9	1280.0	6008.6	12435.7	14027.0	14340.9
37.5°	263.5	297.1	342.3	373.3	455.9	1043.6	5548.8	13150.0	15022.9	15313.5
40°	227.3	257.0	303.5	324.2	431.4	802.1	5049.0	13899.2	15999.3	16265.4
42.5°	193.7	222.2	267.4	307.4	378.4	599.3	4509.1	14601.8	16877.6	17156.6
45°	161.5	191.2	236.4	325.5	313.9	448.2	3931.7	15068.1	17571.2	17874.8
47.5°	130.5	164.0	226.0	310.0	250.6	329.4	3474.5	15509.8	18096.9	18396.6
50°	104.6	138.2	254.4	276.4	205.4	251.9	3283.3	15905.1	18441.8	18729.8
52.5°	85.2	116.2	240.2	211.8	171.8	208.0	3386.6	16545.7	18760.8	18941.7
55°	71.0	91.7	144.7	147.2	146.0	177.0	3514.5	17465.3	19586.2	19671.4
57.5°	62.0	73.6	100.7	113.7	122.7	157.6	3517.1	18785.4	20863.6	20916.5
60°	53.0	64.6	84.0	91.7	105.9	140.8	3389.2	19246.5	21366.0	21541.7
62.5°	46.5	56.8	69.7	76.2	89.1	126.6	3089.6	18578.7	20676.3	20974.7
65°	41.3	51.7	58.1	64.6	78.8	113.7	2596.2	17243.2	19531.9	19843.2
67.5°	36.2	45.2	51.7	58.1	71.0	100.7	1911.6	15691.9	18218.3	18476.7
70°	32.3	40.0	46.5	51.7	62.0	85.2	1159.9	13315.3	16402.3	16509.5
72.5°	31.0	36.2	42.6	46.5	54.2	74.9	587.7	9785.3	13112.6	13286.9
75°	27.1	32.3	38.7	41.3	47.8	64.6	239.0	6427.1	9502.5	9782.8
77.5°	22.0	29.7	34.9	37.5	41.3	53.0	121.4	4107.4	6668.7	6849.5
80°	7.7	22.0	29.7	31.0	34.9	38.7	80.1	2248.7	3868.4	3945.9
82.5°	0.0	14.2	23.2	22.0	24.5	29.7	51.7	1069.5	2553.5	2582.0
85°	0.0	6.5	18.1	14.2	10.3	20.7	18.1	233.8	1339.4	1395.0
87.5°	0.0	0.0	1.3	6.5	5.2	7.7	2.6	1.3	121.4	153.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)