

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: P530680

Luminaire Tested: **GLAN-SA5D-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5D-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22927 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

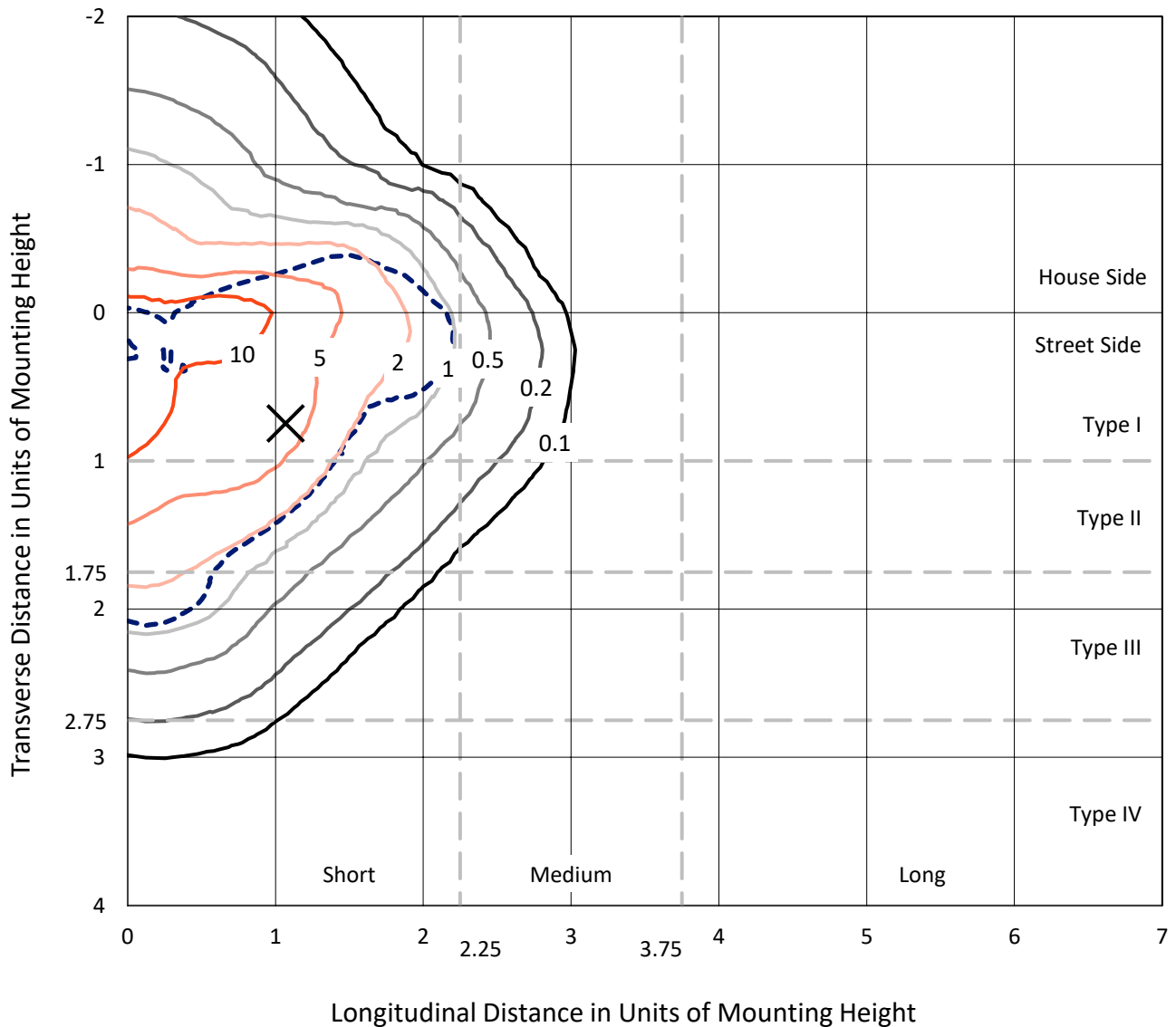
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

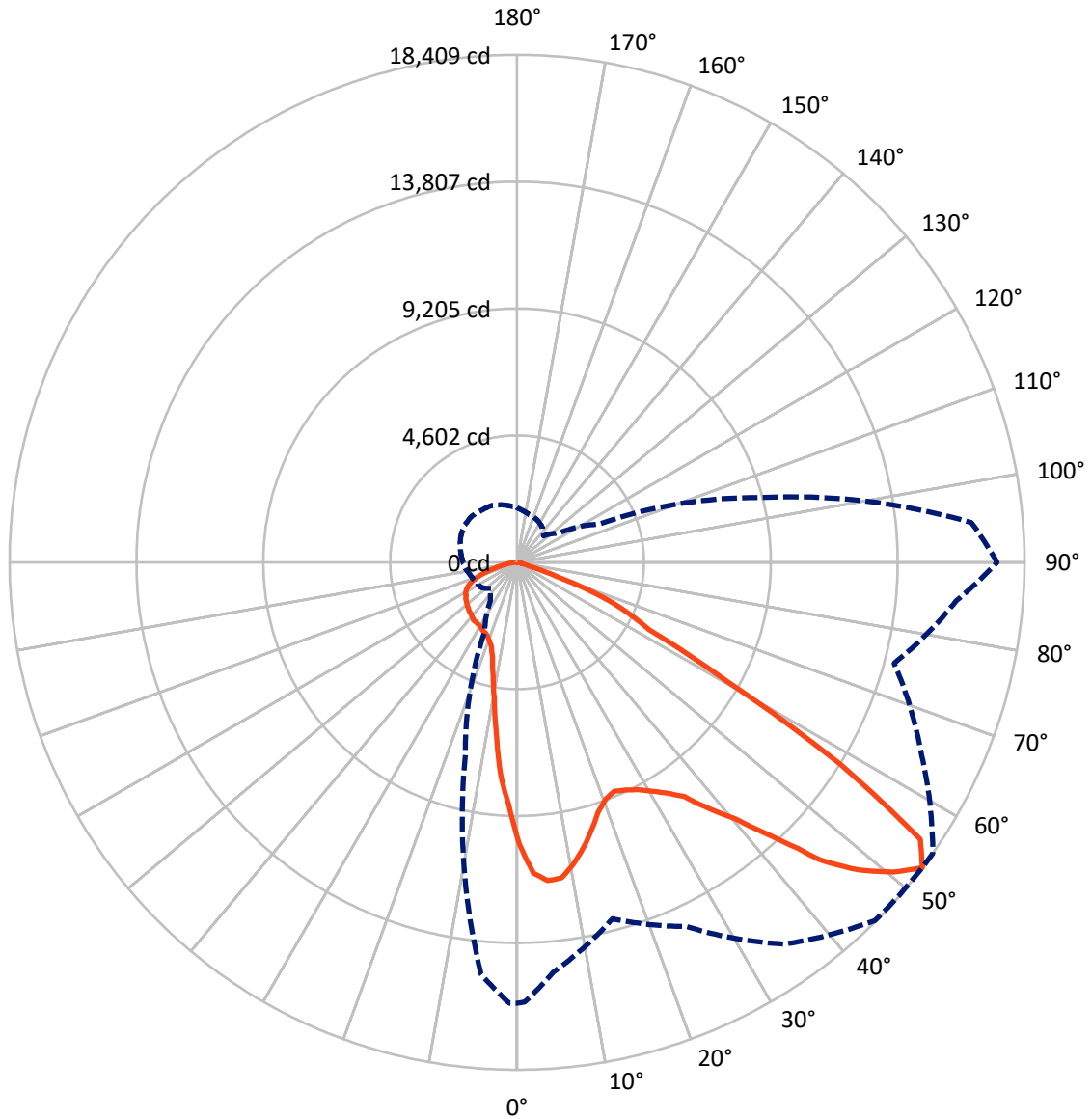
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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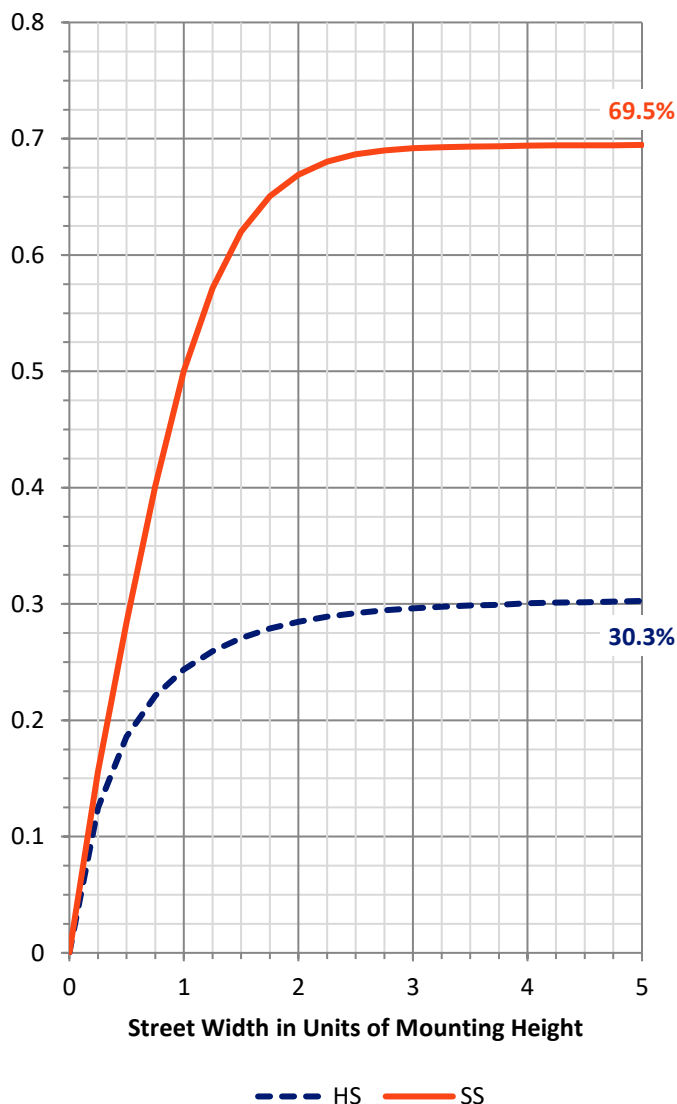
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6994.0	0.0	6994.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	15933.0	0.0	15933.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	22927.0	0.0	22927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.3	3.4
10°-20°	1684.7	7.3
20°-30°	2554.5	11.1
30°-40°	3690.9	16.1
40°-50°	4932.0	21.5
50°-60°	5505.2	24.0
60°-70°	3019.9	13.2
70°-80°	652.9	2.8
80°-90°	105.6	0.5
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°	22927.0	100.0
0°-180°	22927.0	100.0

Coefficient of Utilization



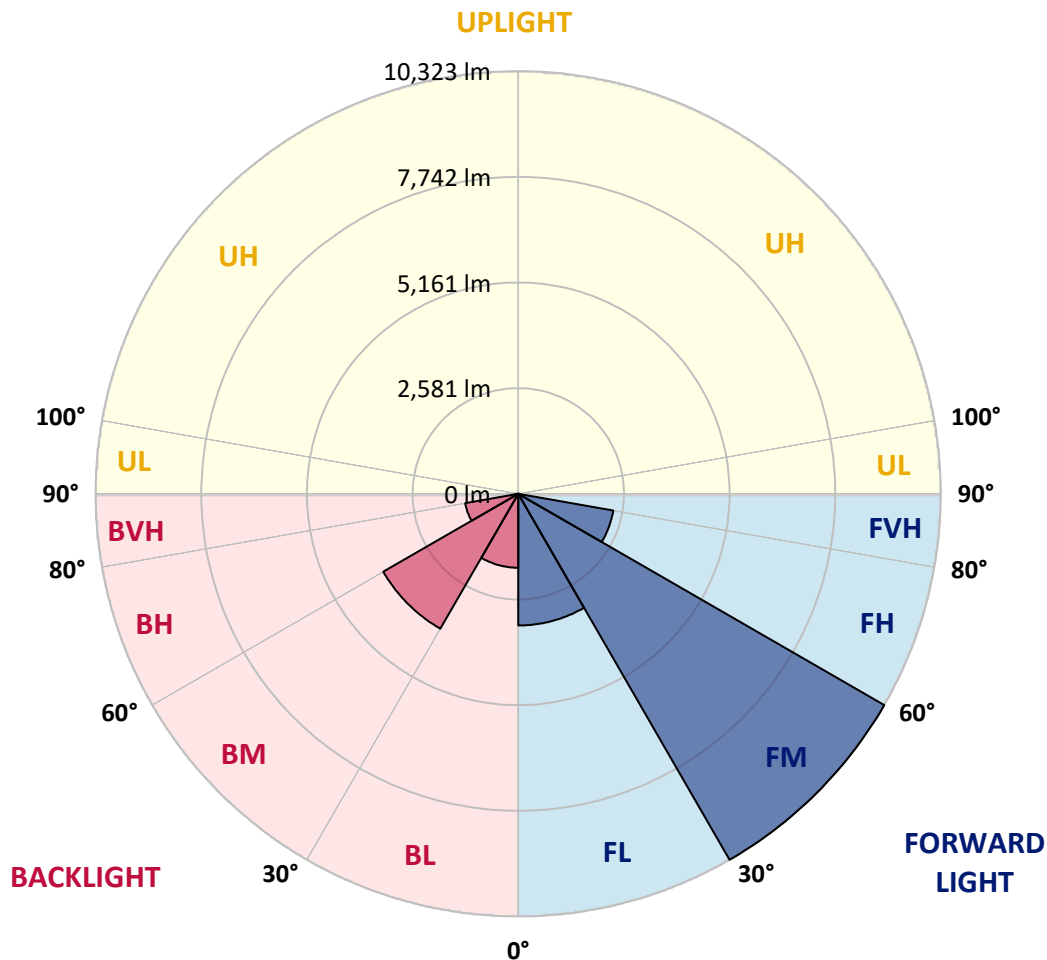
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3214.8	14.0			
FM (30°-60°)	10322.8	45.0			
FH (60°-80°)	2356.3	10.3			G2/5000
FVH (80°-90°)	39.1	0.2			G1/100
BL (0°-30°)	1805.7	7.9	B3/2500		
BM (30°-60°)	3805.3	16.6	B3/5000		
BH (60°-80°)	1316.4	5.7	B3/2500		G3/2500
BVH (80°-90°)	66.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2
2.5°	10732.7	10672.5	10726.0	10980.4	11127.7	11228.2	11291.8	11281.7	11040.7	10806.4	10806.4
5°	10418.0	10341.0	10451.5	11027.3	11606.5	11656.7	11740.4	11603.1	11248.3	10819.8	10284.1
7.5°	9507.5	9564.4	9748.5	10505.1	11258.3	11636.6	11737.0	11562.9	10987.1	10187.0	9400.3
10°	8720.8	8854.7	9279.8	10096.7	10789.6	11281.7	11392.2	11147.8	10692.5	9711.7	9008.7
12.5°	8449.6	8365.9	8837.9	9654.8	10317.6	10582.1	10632.3	10649.0	10341.0	9470.6	8613.6
15°	8416.1	8469.7	8837.9	9457.2	9865.7	9879.1	9962.7	10093.3	10133.5	9634.7	8797.7
17.5°	8898.2	8834.6	9212.9	9705.0	9510.8	9316.6	9336.7	9524.2	9855.6	9775.3	9376.9
20°	9611.2	9755.2	10053.1	10002.9	9480.7	8988.6	8991.9	9169.3	9822.1	10357.8	10183.7
22.5°	10796.3	10936.9	11157.9	10551.9	9480.7	8891.5	8777.7	9018.7	10036.4	11050.7	11094.3
25°	11877.6	12135.4	12195.7	11482.6	9956.1	8981.9	8908.2	9145.9	10250.6	11727.0	12138.8
27.5°	12861.9	12955.6	13220.1	12081.8	10220.5	9042.1	9035.4	9340.1	10521.8	12065.1	13072.8
30°	13638.5	13628.5	13779.1	12460.1	10642.3	9380.2	9055.5	9631.3	10876.7	12624.2	13936.5
32.5°	14167.5	14281.3	14599.3	12985.7	10819.8	9701.6	9447.2	9972.8	11308.5	12888.6	14545.7
35°	15098.1	15295.6	14893.9	13277.0	11382.2	10019.7	9721.7	10438.1	11522.8	13176.5	15292.3
37.5°	15975.2	15824.6	15416.1	13434.3	11747.1	10608.9	10331.0	11338.7	12189.0	13802.6	15787.7
40°	16537.6	16534.3	15807.8	13561.5	12004.8	11509.4	11492.6	12252.6	13005.8	14197.6	16343.5
42.5°	16782.0	17016.3	15968.5	13548.1	12547.2	12600.7	12938.9	13618.4	13585.0	14277.9	16330.1
44°	17116.8	17257.4	16246.4	13578.3	12908.7	13337.2	14134.0	14565.8	14090.5	14234.4	16313.3
45°	17103.4	17113.4	15851.3	13618.4	13216.7	13953.2	14666.3	15396.1	14535.7	14140.7	16534.3
47.5°	16711.7	16597.9	15516.6	13320.5	14177.5	15580.2	16239.7	16681.6	15084.7	13939.8	16259.8
50°	15938.4	15807.8	14703.1	13193.3	14378.4	16591.2	17501.8	17662.5	15583.5	13742.3	15988.6
52.5°	15992.0	15955.1	14934.1	13384.1	14579.2	16909.2	18368.8	18409.0	16149.3	14157.4	15992.0
55°	16949.4	16822.2	15596.9	13621.8	14431.9	16537.6	17816.4	17746.1	15958.5	13906.3	16286.5
57.5°	15509.9	15593.6	14679.7	12681.1	12630.9	13444.4	14006.8	13832.7	13317.1	12550.5	15151.7
60°	12513.7	12751.4	12838.4	10605.5	9530.9	9112.4	8945.0	8637.1	8724.1	10310.9	13310.4
62.5°	10732.7	10719.3	11265.0	9614.6	6243.5	5369.7	5289.4	5359.7	6364.0	10150.2	13035.9
65°	8509.8	8737.5	8904.9	8148.3	4941.2	3987.1	3983.8	4429.0	5507.0	8483.1	10525.2
67.5°	5403.2	5701.1	5908.7	5212.4	3304.2	2838.8	2761.9	3297.5	3816.4	5563.9	6337.2
70°	3046.4	3187.0	3280.7	3006.2	2102.4	1473.0	1385.9	1513.2	2306.6	3602.1	3756.1
72.5°	1175.0	1238.6	1365.9	1375.9	793.4	475.4	385.0	462.0	970.8	1426.1	1359.2
75°	180.8	194.2	274.5	328.1	227.6	174.1	184.1	190.8	271.2	368.2	308.0
77.5°	87.0	87.0	83.7	97.1	113.8	123.9	133.9	147.3	160.7	177.4	170.7
80°	56.9	56.9	56.9	67.0	83.7	100.4	113.8	120.5	127.2	140.6	133.9
82.5°	36.8	36.8	36.8	50.2	67.0	83.7	90.4	107.1	120.5	140.6	130.6
85°	20.1	20.1	20.1	33.5	50.2	70.3	67.0	53.6	30.1	3.3	6.7
87.5°	6.7	6.7	6.7	6.7	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2
2.5°	10525.2	10371.2	10357.8	10043.1	9761.9	9624.6	9514.2	9206.2	9273.1	9095.7	9092.3
5°	10016.3	9701.6	9192.8	8774.3	8355.9	8272.2	7907.3	7589.2	7599.3	7371.6	7411.8
7.5°	9102.4	8884.8	8265.5	7609.3	7053.6	6658.6	6313.8	6106.2	5841.7	5751.3	5704.5
10°	8523.2	8255.4	7559.1	6735.6	6112.9	5902.0	5570.6	5386.4	5115.3	4981.4	4887.6
12.5°	8268.8	7877.1	7006.7	6169.8	5754.7	5537.1	5255.9	4921.1	4599.7	4475.9	4305.1
15°	8295.6	7826.9	6846.0	5942.2	5443.4	5021.5	4770.5	4398.9	4070.8	3853.2	3729.3
17.5°	8700.7	8131.6	6919.7	5768.1	5051.7	4522.7	4030.6	3628.9	3367.8	3203.7	3163.6
20°	9658.1	8884.8	7043.6	5486.9	4660.0	4000.5	3394.6	2976.1	2775.2	2771.9	2775.2
22.5°	10454.9	9688.2	7294.6	5319.5	4268.3	3331.0	2728.4	2594.5	2554.3	2638.0	2648.0
25°	11529.5	10592.1	7726.5	5232.5	3906.8	2838.8	2467.3	2417.0	2413.7	2520.8	2524.2
27.5°	12630.9	11382.2	7984.3	4978.0	3538.5	2584.4	2309.9	2299.9	2353.4	2467.3	2457.2
30°	13380.7	12045.0	8449.6	4673.4	3103.3	2360.1	2246.3	2259.7	2333.3	2420.4	2433.8
32.5°	14254.5	12697.8	8570.1	4506.0	2835.5	2172.7	2092.3	2122.4	2216.2	2353.4	2427.1
35°	15255.5	13159.8	8754.2	4278.4	2735.1	2028.7	1988.5	2022.0	2135.8	2226.2	2306.6
37.5°	15995.3	13976.6	8787.7	4100.9	2624.6	1948.4	1884.8	1995.2	2062.2	2189.4	2229.6
40°	16544.3	14569.2	8874.7	3990.5	2537.6	1844.6	1844.6	1918.2	2008.6	2125.8	2206.1
42.5°	16895.8	15001.0	8938.4	3890.0	2370.2	1814.5	1797.7	1871.4	1991.9	2105.7	2142.5
44°	17110.1	15185.2	8874.7	3796.3	2323.3	1777.6	1777.6	1841.2	1935.0	2068.9	2112.4
45°	17163.6	15416.1	8734.1	3792.9	2266.4	1734.1	1727.4	1847.9	1911.5	2075.6	2102.4
47.5°	17371.2	15700.7	8750.9	3685.8	2129.1	1630.3	1747.5	1801.1	1858.0	2001.9	2092.3
50°	17364.5	15878.1	8714.1	3528.5	2028.7	1513.2	1707.3	1767.6	1824.5	1971.8	2008.6
52.5°	17411.4	16541.0	9052.2	3277.4	1847.9	1362.5	1573.4	1707.3	1777.6	1901.5	1978.5
55°	17387.9	16919.3	9386.9	3089.9	1593.5	1272.1	1459.6	1616.9	1717.4	1847.9	1884.8
57.5°	15881.5	14954.2	8687.3	2738.4	1319.0	1165.0	1298.9	1523.2	1650.4	1784.3	1831.2
60°	12975.7	11526.1	7164.1	2015.3	1084.7	1071.3	1208.5	1493.1	1546.6	1663.8	1744.2
62.5°	11991.5	10110.0	5681.0	1539.9	927.3	980.9	1114.8	1349.1	1432.8	1576.8	1650.4
65°	9383.6	6715.5	3518.4	1041.1	816.8	880.4	1007.7	1181.7	1319.0	1452.9	1539.9
67.5°	5557.2	3669.1	1740.8	729.8	713.1	780.0	910.6	1041.1	1198.5	1345.8	1389.3
70°	3026.3	1804.4	743.2	555.7	605.9	666.2	793.4	883.8	1034.4	1148.3	1221.9
72.5°	970.8	549.0	371.6	411.8	462.0	532.3	609.3	719.8	826.9	893.8	954.1
75°	234.3	231.0	264.5	287.9	334.8	388.3	451.9	508.9	592.5	656.1	709.7
77.5°	164.0	177.4	204.2	237.7	254.4	274.5	314.7	358.2	395.0	441.9	475.4
80°	127.2	137.3	157.3	174.1	190.8	207.6	227.6	244.4	267.8	297.9	314.7
82.5°	120.5	127.2	147.3	157.3	150.6	147.3	160.7	167.4	170.7	180.8	190.8
85°	10.0	0.0	6.7	23.4	56.9	83.7	90.4	90.4	87.0	93.7	93.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	13.4	10.0
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°	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2
2.5°	9052.2	8938.4	8981.9	9035.4	8958.4	8781.0	8827.9	8807.8	8988.6	8975.2	9156.0
5°	7589.2	7411.8	7431.9	7693.0	7609.3	7699.7	7518.9	7495.5	7529.0	7545.7	7575.8
7.5°	5808.3	5784.8	5985.7	6206.6	6310.4	6203.3	6025.9	5985.7	5948.9	5875.2	6042.6
10°	4740.3	4747.0	4733.6	4901.0	5018.2	4994.8	4887.6	4874.2	4803.9	4777.2	4870.9
12.5°	4231.5	4141.1	4097.6	4044.0	4134.4	4194.7	4147.8	4114.3	4117.7	4151.1	4164.5
15°	3739.4	3682.5	3588.7	3528.5	3572.0	3541.9	3525.1	3592.1	3575.3	3568.6	3649.0
17.5°	3187.0	3233.9	3227.2	3160.2	3217.1	3193.7	3190.4	3143.5	3079.9	3033.0	3059.8
20°	2822.1	2909.1	2976.1	2979.5	3009.6	3006.2	2956.0	2812.1	2765.2	2755.2	2761.9
22.5°	2691.5	2738.4	2818.8	2932.6	2932.6	2879.0	2818.8	2651.4	2607.9	2561.0	2540.9
25°	2587.8	2678.2	2781.9	2795.3	2848.9	2798.7	2701.6	2617.9	2527.5	2463.9	2463.9
27.5°	2534.2	2634.6	2711.6	2735.1	2808.7	2768.5	2668.1	2561.0	2453.9	2450.5	2393.6
30°	2510.8	2604.5	2654.7	2711.6	2745.1	2681.5	2651.4	2537.6	2430.4	2403.6	2309.9
32.5°	2440.5	2574.4	2668.1	2654.7	2681.5	2654.7	2611.2	2517.5	2397.0	2336.7	2326.6
35°	2360.1	2494.0	2594.5	2664.8	2681.5	2624.6	2597.8	2470.6	2306.6	2276.4	2172.7
37.5°	2316.6	2397.0	2520.8	2634.6	2658.1	2627.9	2537.6	2407.0	2243.0	2209.5	2119.1
40°	2263.0	2366.8	2463.9	2557.6	2627.9	2554.3	2450.5	2323.3	2249.7	2149.2	2122.4
42.5°	2222.9	2340.0	2420.4	2524.2	2604.5	2507.4	2386.9	2299.9	2196.1	2129.1	2052.1
44°	2209.5	2316.6	2370.2	2497.4	2564.3	2490.7	2390.3	2299.9	2179.4	2119.1	2052.1
45°	2162.6	2309.9	2366.8	2480.6	2537.6	2477.3	2350.1	2259.7	2172.7	2099.0	2028.7
47.5°	2115.7	2216.2	2313.3	2403.6	2443.8	2423.7	2316.6	2206.1	2102.4	2058.8	1991.9
50°	2102.4	2202.8	2293.2	2376.9	2423.7	2383.6	2286.5	2179.4	2058.8	1988.5	1931.6
52.5°	2035.4	2159.3	2259.7	2286.5	2346.7	2323.3	2249.7	2132.5	2018.7	1958.4	1911.5
55°	1938.3	2068.9	2206.1	2239.6	2326.6	2289.8	2179.4	2068.9	1971.8	1881.4	1821.1
57.5°	1901.5	2028.7	2162.6	2206.1	2259.7	2199.4	2172.7	2055.5	1901.5	1854.6	1760.9
60°	1807.8	1968.4	2078.9	2179.4	2182.7	2166.0	2119.1	1985.2	1858.0	1770.9	1704.0
62.5°	1734.1	1884.8	1971.8	2065.5	2122.4	2075.6	2028.7	1904.8	1767.6	1670.5	1593.5
65°	1627.0	1764.2	1837.9	1894.8	1958.4	1951.7	1871.4	1781.0	1637.0	1560.0	1486.4
67.5°	1462.9	1583.5	1683.9	1737.5	1777.6	1767.6	1707.3	1643.7	1496.4	1419.4	1365.9
70°	1265.4	1389.3	1452.9	1483.0	1523.2	1543.3	1496.4	1466.3	1335.7	1235.3	1185.1
72.5°	1017.7	1098.0	1191.8	1218.6	1235.3	1248.7	1248.7	1221.9	1088.0	1047.8	960.8
75°	749.9	813.5	883.8	883.8	913.9	917.3	924.0	907.2	806.8	753.2	733.1
77.5°	508.9	555.7	612.6	636.1	656.1	652.8	649.5	602.6	549.0	525.6	505.5
80°	331.4	378.3	405.1	435.2	455.3	451.9	458.6	425.2	401.7	361.6	368.2
82.5°	197.5	234.3	261.1	297.9	297.9	308.0	308.0	297.9	274.5	254.4	254.4
85°	93.7	123.9	140.6	164.0	177.4	180.8	160.7	137.3	113.8	103.8	113.8
87.5°	16.7	23.4	33.5	30.1	36.8	33.5	33.5	33.5	33.5	26.8	30.1
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: P530680

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2	10227.2
2.5°	9089.0	9256.4	9373.6	9567.7	9902.5	10170.3	10444.8	10649.0	10672.5	10732.7
5°	7686.3	7776.7	8074.6	8463.0	8737.5	9189.4	9480.7	10009.6	10207.1	10418.0
7.5°	6002.4	6149.7	6548.1	6809.2	7411.8	7977.6	8563.4	9216.2	9477.3	9507.5
10°	5061.7	5276.0	5547.1	5965.6	6293.7	6923.0	7652.8	8379.3	8670.5	8720.8
12.5°	4445.7	4720.3	5081.8	5383.1	5697.8	6246.8	6946.5	7843.7	8221.9	8449.6
15°	3853.2	4137.8	4536.1	4954.6	5232.5	5888.6	6712.1	7723.1	8215.2	8416.1
17.5°	3243.9	3508.4	3836.5	4288.4	4847.5	5584.0	6675.3	8124.9	8663.8	8898.2
20°	2721.7	2869.0	3250.6	3715.9	4415.6	5272.6	6688.7	8717.4	9507.5	9611.2
22.5°	2517.5	2550.9	2701.6	3130.1	3896.7	4954.6	6926.4	9557.7	10454.9	10796.3
25°	2360.1	2353.4	2393.6	2681.5	3518.4	4830.7	7160.7	10331.0	11506.0	11877.6
27.5°	2273.1	2206.1	2209.5	2480.6	3250.6	4629.9	7462.0	11218.1	12697.8	12861.9
30°	2229.6	2216.2	2176.0	2286.5	2959.4	4328.6	7512.2	12091.9	13400.8	13638.5
32.5°	2202.8	2072.2	2022.0	2062.2	2684.9	4000.5	7699.7	12667.7	14271.2	14167.5
35°	2068.9	1951.7	1918.2	1958.4	2490.7	3816.4	7575.8	13169.8	14924.0	15098.1
37.5°	2018.7	1914.9	1847.9	1814.5	2309.9	3662.4	7512.2	13943.2	15556.7	15975.2
40°	1971.8	1861.3	1781.0	1747.5	2169.3	3458.2	7492.1	14539.0	16286.5	16537.6
42.5°	1918.2	1847.9	1757.5	1697.3	1998.6	3254.0	7261.2	14723.2	16510.8	16782.0
44°	1901.5	1794.4	1700.6	1680.5	1931.6	3150.2	7214.3	14890.6	16705.0	17116.8
45°	1884.8	1784.3	1677.2	1650.4	1908.2	3093.3	7150.7	14930.7	17026.4	17103.4
47.5°	1837.9	1774.3	1670.5	1596.9	1858.0	2969.4	6959.9	14703.1	16698.3	16711.7
50°	1801.1	1727.4	1620.3	1476.3	1791.0	2865.6	7046.9	14619.4	15908.3	15938.4
52.5°	1760.9	1650.4	1590.2	1342.4	1680.5	2778.6	7231.0	14997.7	15998.6	15992.0
55°	1714.0	1593.5	1446.2	1228.6	1496.4	2668.1	7676.3	15744.2	16835.6	16949.4
57.5°	1640.4	1536.6	1325.7	1128.2	1285.5	2457.2	7532.3	14314.8	15489.8	15509.9
60°	1543.3	1446.2	1201.8	1051.2	1054.5	1938.3	6735.6	11154.5	12222.4	12513.7
62.5°	1449.6	1396.0	1098.0	940.7	897.2	1543.3	5694.4	9269.8	10491.7	10732.7
65°	1339.1	1208.5	1007.7	857.0	770.0	1081.3	4034.0	6926.4	8185.1	8509.8
67.5°	1198.5	1057.9	887.1	753.2	659.5	723.1	2082.3	3936.9	5212.4	5403.2
70°	1047.8	917.3	746.5	636.1	532.3	498.8	917.3	1878.1	2848.9	3046.4
72.5°	860.4	739.8	595.9	502.2	398.4	344.8	308.0	502.2	1011.0	1175.0
75°	622.7	539.0	448.6	358.2	281.2	220.9	180.8	150.6	167.4	180.8
77.5°	458.6	391.7	331.4	254.4	197.5	157.3	123.9	93.7	90.4	87.0
80°	358.2	318.0	264.5	204.2	154.0	117.2	87.0	63.6	56.9	56.9
82.5°	281.2	261.1	217.6	167.4	127.2	93.7	63.6	43.5	36.8	36.8
85°	107.1	107.1	157.3	137.3	97.1	67.0	43.5	23.4	20.1	20.1
87.5°	26.8	26.8	26.8	26.8	23.4	20.1	20.1	10.0	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)