

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: McGRAW-EDISON

Report Number: P530968

Luminaire Tested: **GALN-SA6B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21016 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

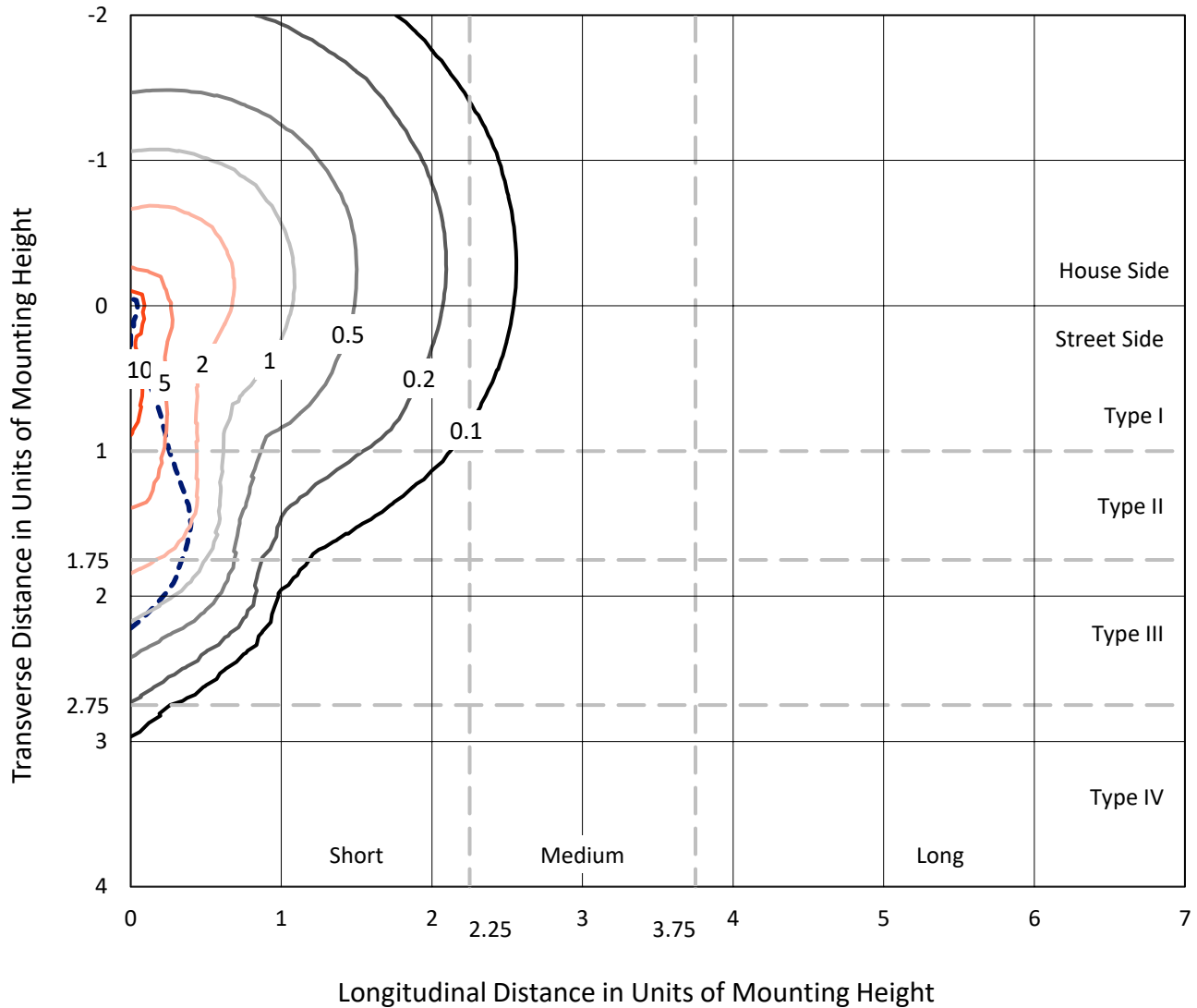
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

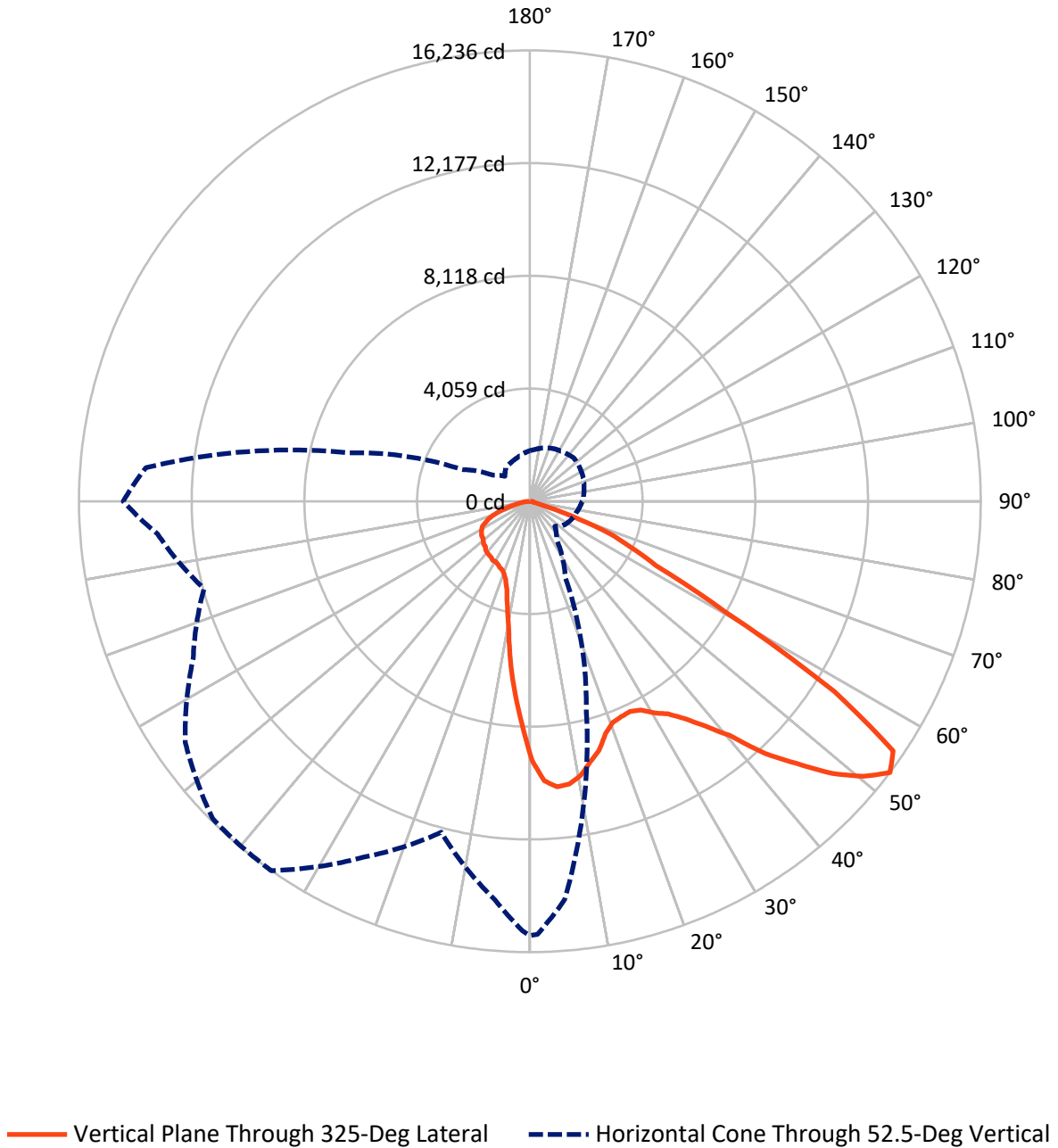
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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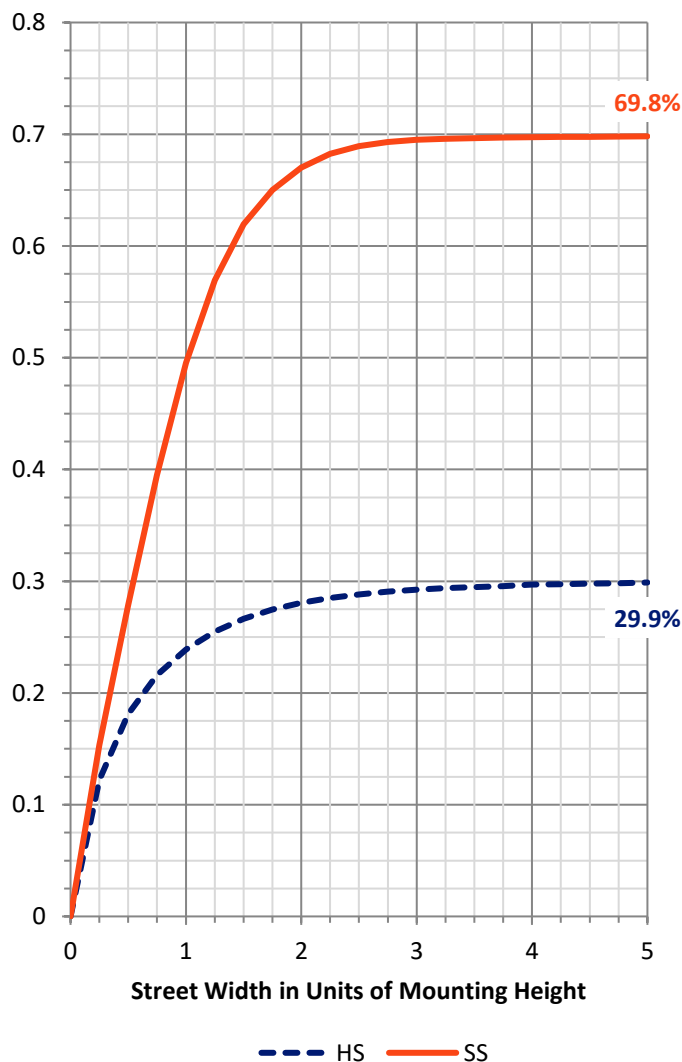
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6335.4	0.0	6335.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	14680.6	0.0	14680.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	21016.0	0.0	21016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.6	3.4
10°-20°	1542.6	7.3
20°-30°	2330.7	11.1
30°-40°	3368.0	16.0
40°-50°	4482.2	21.3
50°-60°	5013.4	23.9
60°-70°	2825.5	13.4
70°-80°	629.8	3.0
80°-90°	112.2	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°	21016.0	100.0
0°-180°	21016.0	100.0

Coefficient of Utilization



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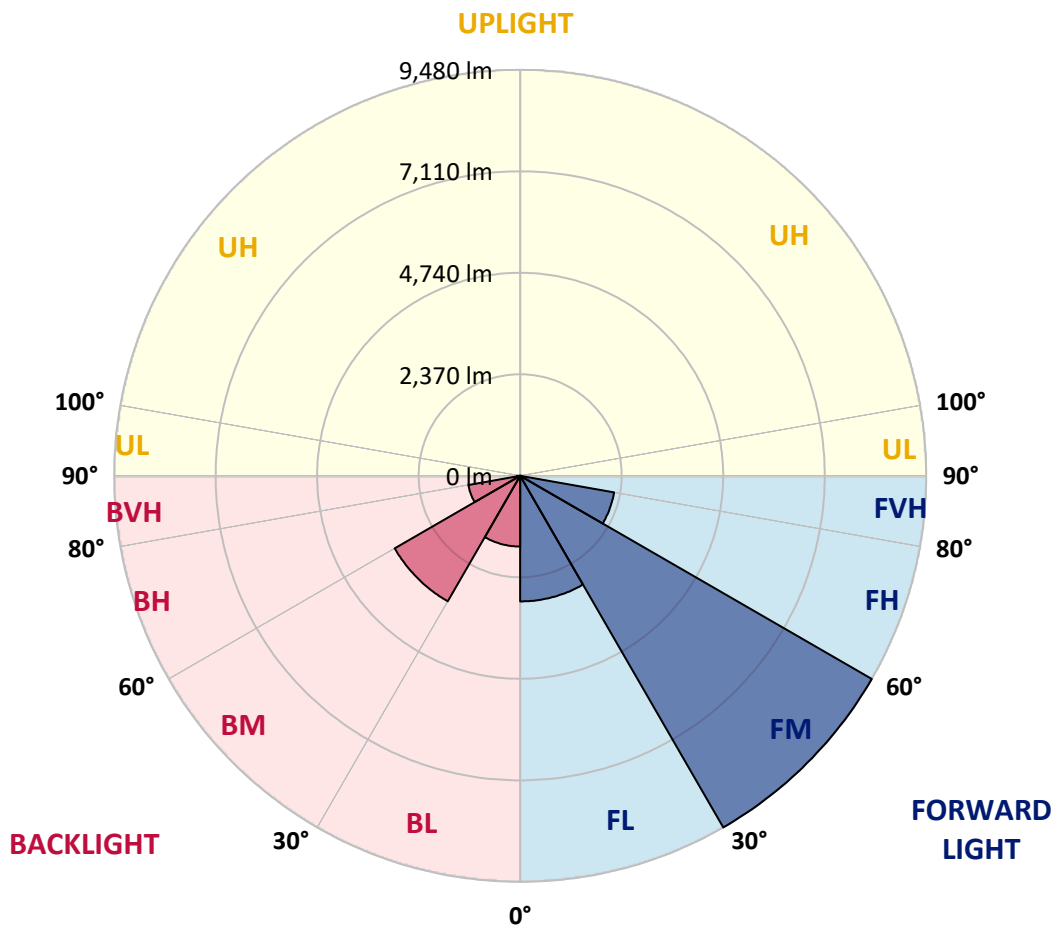
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2932.7	14.0			
FM (30°-60°)	9479.8	45.1			
FH (60°-80°)	2227.4	10.6			G2/5000
FVH (80°-90°)	40.6	0.2			G1/100
BL (0°-30°)	1652.1	7.9	B3/2500		
BM (30°-60°)	3383.8	16.1	B3/5000		
BH (60°-80°)	1228.0	5.8	B3/2500		G3/2500
BVH (80°-90°)	71.5	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0
2.5°	9482.4	9634.7	9470.2	9177.8	8970.6	8781.8	8583.8	8544.2	8285.3	8239.6	8050.7
5°	8943.2	8909.7	8708.7	8324.9	7901.5	7517.7	7234.4	6960.2	6774.4	6558.2	6542.9
7.5°	8288.3	8093.4	7977.6	7395.8	6871.9	6268.8	6009.9	5592.6	5461.6	5266.6	5166.1
10°	7703.5	7560.3	7289.2	6707.4	5976.4	5577.3	5300.1	5074.7	4922.4	4721.4	4468.6
12.5°	7414.1	7356.2	7051.6	6150.0	5607.8	5181.3	4986.4	4767.1	4508.2	4185.3	4060.4
15°	7465.9	7270.9	7039.4	6043.4	5294.0	4882.8	4572.1	4298.0	3966.0	3658.3	3478.6
17.5°	7852.7	7703.5	7240.5	6110.4	5175.3	4581.3	4017.8	3612.6	3314.1	3036.9	2912.0
20°	8614.3	8398.0	7877.1	6195.7	4919.4	4160.9	3515.2	3015.6	2695.8	2549.6	2506.9
22.5°	9458.0	9330.1	8498.5	6387.6	4715.3	3771.0	2982.1	2482.5	2363.7	2324.1	2403.3
25°	10484.5	10152.5	9464.1	6701.3	4556.9	3439.0	2531.3	2254.1	2193.2	2232.8	2324.1
27.5°	11264.3	11176.0	10140.3	6996.8	4340.6	3040.0	2278.5	2095.7	2114.0	2153.6	2238.9
30°	12190.3	11742.6	10795.2	7200.9	4145.7	2765.8	2101.8	2053.0	2071.3	2138.3	2181.0
32.5°	12747.8	12580.2	11206.4	7508.5	3920.3	2528.2	1964.7	1919.0	1946.4	2047.0	2147.5
35°	13457.5	13125.5	11715.1	7587.7	3761.9	2433.8	1867.2	1833.7	1897.7	1967.8	2080.5
37.5°	14286.0	14057.6	12418.8	7532.9	3676.6	2336.3	1785.0	1769.8	1815.5	1912.9	2043.9
40°	14776.4	14706.4	12787.4	7566.4	3542.6	2251.0	1690.6	1708.8	1803.3	1879.4	2007.4
42.5°	15248.6	14791.7	13332.6	7554.2	3457.3	2135.3	1699.7	1678.4	1751.5	1839.8	1961.7
45°	15352.1	14898.3	13460.5	7468.9	3353.7	2022.6	1629.6	1638.8	1727.1	1836.8	1916.0
47.5°	15285.1	14950.1	13698.1	7444.6	3256.2	1943.4	1526.1	1635.7	1687.5	1775.9	1888.6
50°	15239.4	15221.2	13899.2	7560.3	3125.3	1818.5	1401.2	1596.1	1647.9	1736.3	1858.1
52.5°	15641.5	15601.9	14401.8	7864.9	3021.7	1684.5	1273.3	1495.6	1620.5	1705.8	1824.6
55°	15885.2	15711.6	15263.8	8239.6	2848.1	1507.8	1184.9	1370.7	1553.5	1629.6	1751.5
57.5°	14289.1	14170.3	13807.8	7691.3	2555.6	1276.3	1075.3	1242.8	1462.1	1580.9	1705.8
60°	11888.8	11703.0	10773.9	6536.8	1885.5	993.0	1008.2	1142.3	1437.7	1483.4	1629.6
62.5°	11209.5	10749.5	9485.4	5260.5	1446.9	852.9	904.7	1050.9	1309.8	1386.0	1532.2
65°	8894.5	8553.3	6786.6	3798.4	968.6	740.2	825.5	947.3	1130.1	1279.3	1413.4
67.5°	5568.2	5242.3	3621.8	1797.2	676.2	633.6	737.1	865.1	1014.3	1148.4	1297.6
70°	2909.0	2552.6	1672.3	648.8	466.0	517.8	615.3	737.1	883.4	993.0	1108.8
72.5°	1084.4	880.3	545.2	280.2	322.9	396.0	499.6	587.9	691.5	825.5	889.4
75°	167.5	143.2	140.1	170.6	219.3	286.3	356.4	444.7	536.1	621.4	664.0
77.5°	79.2	76.2	85.3	112.7	146.2	204.1	258.9	344.2	417.3	472.1	496.5
80°	51.8	48.7	54.8	76.2	109.7	152.3	207.1	265.0	332.0	377.7	371.6
82.5°	30.5	33.5	33.5	51.8	76.2	109.7	149.3	201.0	246.7	286.3	262.0
85°	18.3	15.2	15.2	30.5	51.8	88.3	124.9	85.3	88.3	88.3	100.5
87.5°	6.1	6.1	6.1	3.0	6.1	6.1	9.1	15.2	18.3	21.3	27.4
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°	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0
2.5°	8044.6	8139.1	8105.6	7986.8	8078.1	8093.4	8032.5	8242.6	8282.2	8218.3	8236.5
5°	6521.6	6546.0	6600.8	6716.6	6798.8	6896.3	6896.3	6902.4	6820.1	7027.3	6966.3
7.5°	5080.8	5096.1	5160.0	5406.8	5476.8	5662.6	5741.8	5687.0	5522.5	5452.4	5510.3
10°	4386.3	4298.0	4276.7	4307.1	4465.5	4544.7	4611.7	4593.5	4566.0	4511.2	4450.3
12.5°	3923.3	3859.4	3807.6	3734.5	3743.6	3819.8	3871.5	3828.9	3841.1	3853.3	3871.5
15°	3420.7	3375.0	3347.6	3238.0	3225.8	3277.6	3295.8	3320.2	3365.9	3368.9	3347.6
17.5°	2887.7	2848.1	2909.0	2969.9	2927.3	2930.3	2963.8	2985.1	2973.0	2918.1	2890.7
20°	2522.1	2564.8	2625.7	2683.6	2729.3	2756.7	2768.9	2735.4	2695.8	2583.1	2580.0
22.5°	2415.5	2470.4	2522.1	2610.5	2653.1	2723.2	2659.2	2583.1	2528.2	2473.4	2409.4
25°	2336.3	2382.0	2485.6	2519.1	2601.3	2659.2	2613.5	2537.4	2442.9	2363.7	2315.0
27.5°	2278.5	2330.2	2397.2	2488.6	2552.6	2586.1	2540.4	2510.0	2412.5	2318.1	2248.0
30°	2241.9	2296.7	2418.6	2494.7	2549.6	2577.0	2497.8	2461.2	2391.2	2312.0	2251.0
32.5°	2217.5	2266.3	2369.8	2467.3	2503.9	2503.9	2516.0	2473.4	2375.9	2241.9	2190.1
35°	2138.3	2205.3	2290.6	2403.3	2470.4	2510.0	2449.0	2400.3	2336.3	2199.3	2104.8
37.5°	2092.6	2138.3	2248.0	2354.6	2412.5	2455.1	2430.8	2345.5	2260.2	2147.5	2071.3
40°	2043.9	2117.0	2214.5	2315.0	2379.0	2421.6	2403.3	2302.8	2199.3	2092.6	2040.9
42.5°	2010.4	2059.1	2159.7	2272.4	2348.5	2430.8	2375.9	2251.0	2177.9	2031.7	1973.8
45°	1983.0	2062.2	2168.8	2214.5	2293.7	2379.0	2281.5	2205.3	2120.1	2013.4	1964.7
47.5°	1949.5	2022.6	2092.6	2214.5	2251.0	2290.6	2272.4	2150.5	2077.4	1961.7	1928.2
50°	1937.3	1964.7	2092.6	2159.7	2211.4	2251.0	2202.3	2110.9	2040.9	1922.1	1849.0
52.5°	1888.6	1940.3	2022.6	2110.9	2174.9	2223.6	2144.4	2086.5	1992.1	1867.2	1821.5
55°	1827.6	1858.1	2004.3	2095.7	2129.2	2162.7	2132.2	2037.8	1940.3	1812.4	1766.7
57.5°	1748.4	1818.5	1937.3	2065.2	2107.9	2126.1	2077.4	2001.3	1879.4	1766.7	1693.6
60°	1666.2	1739.3	1870.3	1973.8	2016.5	2083.5	2010.4	1964.7	1824.6	1699.7	1620.5
62.5°	1584.0	1666.2	1763.7	1894.6	1931.2	1958.6	1940.3	1876.4	1763.7	1623.5	1526.1
65°	1486.5	1547.4	1669.2	1736.3	1760.6	1824.6	1760.6	1736.3	1635.7	1501.7	1419.5
67.5°	1340.3	1392.0	1498.7	1562.6	1580.9	1608.3	1605.3	1577.9	1465.2	1373.8	1300.7
70°	1172.7	1218.4	1285.4	1361.6	1370.7	1404.2	1373.8	1367.7	1294.6	1169.7	1130.1
72.5°	941.2	983.9	1072.2	1105.7	1108.8	1120.9	1105.7	1084.4	1066.1	935.1	895.5
75°	721.9	746.3	788.9	819.4	819.4	834.6	825.5	804.2	755.4	673.2	633.6
77.5°	502.6	527.0	581.8	600.1	597.0	603.1	575.7	554.4	481.3	438.6	405.1
80°	365.5	380.8	408.2	420.4	423.4	432.5	399.0	380.8	338.1	289.4	274.1
82.5°	265.0	274.1	277.2	292.4	292.4	277.2	268.1	249.8	219.3	188.9	176.7
85°	109.7	112.7	115.8	134.0	137.1	164.5	152.3	143.2	124.9	106.6	97.5
87.5°	27.4	30.5	39.6	33.5	39.6	39.6	42.6	48.7	48.7	39.6	39.6
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°	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0
2.5°	8306.6	8331.0	8641.7	8681.3	8833.6	8988.9	9302.7	9528.1	9710.8	9829.6	9863.1
5°	7030.3	7185.7	7328.8	7560.3	7770.5	8069.0	8413.2	8839.7	9375.8	9649.9	9759.6
7.5°	5504.2	5687.0	5894.1	6119.5	6427.2	6963.3	7423.2	7916.7	8602.1	8885.4	9314.8
10°	4492.9	4697.0	4971.2	5144.8	5516.4	6028.1	6564.3	7133.9	7788.8	8196.9	8693.4
12.5°	3972.1	4139.6	4392.4	4757.9	5035.1	5367.2	5766.2	6485.1	7423.2	7810.1	8151.3
15°	3396.4	3582.2	3874.6	4279.7	4611.7	5007.7	5455.5	6238.3	7237.4	7834.5	8123.8
17.5°	2921.2	3055.2	3362.8	3713.1	4093.9	4526.4	5169.2	6226.1	7432.4	8196.9	8669.1
20°	2592.2	2610.5	2778.0	3076.5	3594.3	4157.9	4992.5	6165.2	8056.8	8821.4	9418.4
22.5°	2385.1	2366.8	2369.8	2622.7	2985.1	3795.4	4715.3	6372.4	8766.6	9814.4	10216.5
25°	2281.5	2232.8	2202.3	2257.1	2586.1	3365.9	4505.1	6646.5	9531.1	10633.8	11127.3
27.5°	2226.7	2141.4	2080.5	2089.6	2330.2	3149.6	4374.1	6765.3	10289.6	11776.1	11949.7
30°	2205.3	2098.7	2010.4	1979.9	2138.3	2848.1	4093.9	6969.4	10968.9	12403.5	12552.8
32.5°	2129.2	1998.2	1912.9	1885.5	1949.5	2583.1	3892.9	7115.6	11568.9	13085.9	13034.1
35°	2040.9	1931.2	1824.6	1772.8	1818.5	2412.5	3731.4	7045.5	12275.6	13615.9	13588.5
37.5°	2031.7	1888.6	1800.2	1714.9	1711.9	2202.3	3512.1	7112.5	12726.4	14566.2	14191.6
40°	1952.5	1861.1	1745.4	1675.3	1635.7	2095.7	3298.9	6954.2	13387.4	14950.1	14581.5
42.5°	1955.6	1818.5	1718.0	1635.7	1596.1	1940.3	3152.7	6911.5	13618.9	15574.5	14764.2
45°	1906.8	1772.8	1687.5	1590.0	1568.7	1821.5	3012.6	6713.5	14027.1	15605.0	14535.8
47.5°	1858.1	1739.3	1647.9	1532.2	1483.4	1778.9	2902.9	6549.0	13813.9	15318.6	14219.0
50°	1824.6	1687.5	1602.2	1520.0	1382.9	1705.8	2759.7	6509.4	13515.4	14931.8	13631.1
52.5°	1766.7	1644.9	1556.5	1492.6	1273.3	1638.8	2704.9	6740.9	13880.9	14642.4	13460.5
55°	1711.9	1587.0	1474.3	1349.4	1181.9	1462.1	2552.6	6957.2	14413.9	15309.5	14234.2
57.5°	1654.0	1535.2	1413.4	1264.1	1093.5	1279.3	2394.2	6996.8	13414.8	14148.9	13512.3
60°	1577.9	1425.6	1334.2	1139.2	999.1	1060.0	1897.7	6168.3	10405.3	11815.7	11837.0
62.5°	1492.6	1328.1	1248.9	1020.4	901.6	913.8	1547.4	5184.4	8440.6	9780.9	10362.7
65°	1379.9	1221.5	1127.0	944.3	831.6	792.0	1133.1	3798.4	6412.0	7935.0	8596.0
67.5°	1233.7	1084.4	965.6	822.4	743.2	679.3	773.7	2138.3	3786.3	5327.6	5528.6
70°	1078.3	950.4	825.5	706.7	618.3	572.7	566.6	947.3	1809.4	2866.3	3262.3
72.5°	849.9	758.5	657.9	569.6	511.7	444.7	405.1	392.9	612.3	1166.6	1611.4
75°	609.2	533.1	475.2	417.3	374.7	338.1	307.7	280.2	255.9	292.4	402.1
77.5°	383.8	356.4	310.7	295.5	271.1	262.0	249.8	234.5	216.3	204.1	204.1
80°	258.9	240.6	225.4	222.4	213.2	210.2	213.2	198.0	179.7	164.5	170.6
82.5°	173.6	170.6	167.5	164.5	167.5	170.6	176.7	173.6	158.4	149.3	152.3
85°	103.6	109.7	115.8	121.8	134.0	118.8	97.5	82.2	73.1	67.0	64.0
87.5°	39.6	54.8	48.7	45.7	48.7	45.7	42.6	39.6	33.5	30.5	30.5
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: P530968

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0	9327.0
2.5°	10085.5	10146.4	10198.2	10186.0	10079.4	9936.2	9878.4	9582.9	9522.0	9482.4
5°	10222.6	10575.9	10652.1	10606.4	10329.2	9978.9	9637.7	9205.2	8952.4	8943.2
7.5°	9969.7	10405.3	10542.4	10646.0	10277.4	9668.2	9083.3	8434.5	8276.1	8288.3
10°	9327.0	10021.5	10359.6	10466.3	10042.9	9515.9	8705.6	8047.7	7709.6	7703.5
12.5°	8970.6	9515.9	9610.3	9759.6	9634.7	9101.6	8486.3	7749.2	7420.2	7414.1
15°	8653.9	9013.3	9040.7	9250.9	9317.9	8958.5	8544.2	7758.3	7493.3	7465.9
17.5°	8931.0	8681.3	8577.7	8605.1	8803.1	8934.1	8879.3	8276.1	8005.0	7852.7
20°	9116.9	8559.4	8245.7	8276.1	8510.7	8988.9	9378.8	9025.5	8596.0	8614.3
22.5°	9613.4	8577.7	8087.3	8053.8	8425.4	9275.2	9942.3	9972.8	9558.5	9458.0
25°	10356.6	8787.9	8038.5	8029.4	8385.8	9582.9	10600.3	11093.7	10670.3	10484.5
27.5°	10953.6	9116.9	8190.9	8221.3	8510.7	9832.7	11160.8	11815.7	11492.8	11264.3
30°	11477.5	9458.0	8404.1	8264.0	8845.8	9963.7	11401.4	12638.1	12379.2	12190.3
32.5°	11693.8	9942.3	8742.2	8510.7	9122.9	10122.1	11900.9	13436.2	13213.8	12747.8
35°	12059.3	10213.4	8925.0	8906.7	9607.3	10502.8	12135.5	13963.1	13871.7	13457.5
37.5°	12351.8	10487.6	9573.8	9372.7	10271.3	11142.5	12513.2	14691.1	14481.0	14286.0
40°	12577.2	10978.0	10179.9	10444.9	11087.7	11724.3	12860.5	14736.8	15343.0	14776.4
42.5°	12370.0	11416.6	11176.0	11809.6	12418.8	12388.3	12900.1	15090.2	15544.0	15248.6
45°	12318.3	12159.9	12750.8	13326.5	13466.6	12939.7	12616.8	14700.3	15483.1	15352.1
47.5°	12193.4	12890.9	13920.5	14858.7	14645.4	13308.2	12278.7	14630.2	15519.7	15285.1
50°	12150.7	13049.3	14785.6	15699.4	15571.4	13628.1	12120.3	14179.4	15260.8	15239.4
52.5°	12147.7	13375.2	15145.0	16156.3	16235.5	14133.7	12336.5	14407.9	15461.8	15641.5
55°	12284.8	13271.7	15099.3	15903.5	15873.0	13908.3	12360.9	14560.2	15708.5	15885.2
57.5°	11587.2	11888.8	12461.4	13098.0	12933.6	11520.2	11038.9	13460.5	14417.0	14289.1
60°	10006.3	9062.0	8416.3	8385.8	8066.0	7624.3	9034.6	12013.7	12013.7	11888.8
62.5°	8763.5	5949.0	5111.3	4873.7	5102.1	5610.8	8714.8	11684.7	11352.7	11209.5
65°	7663.9	4541.7	3694.9	3627.9	4023.8	4791.4	7880.2	9954.5	9369.7	8894.5
67.5°	4931.6	3326.3	2747.5	2628.7	3107.0	3518.2	5245.3	6122.6	5754.0	5568.2
70°	3180.1	2165.7	1529.1	1434.7	1620.5	2168.8	3350.7	3570.0	3033.9	2909.0
72.5°	1504.8	935.1	536.1	441.7	496.5	828.5	1325.0	1425.6	1184.9	1084.4
75°	478.2	344.2	219.3	188.9	179.7	213.2	304.6	234.5	170.6	167.5
77.5°	213.2	204.1	173.6	146.2	127.9	106.6	88.3	73.1	76.2	79.2
80°	176.7	161.4	143.2	127.9	106.6	82.2	64.0	48.7	48.7	51.8
82.5°	155.3	140.1	124.9	106.6	91.4	67.0	48.7	33.5	30.5	30.5
85°	67.0	79.2	85.3	91.4	73.1	54.8	33.5	21.3	18.3	18.3
87.5°	27.4	24.4	21.3	18.3	15.2	15.2	12.2	9.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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