

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: P458035

Luminaire Tested: **GALN-SA9B-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35334 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 364
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

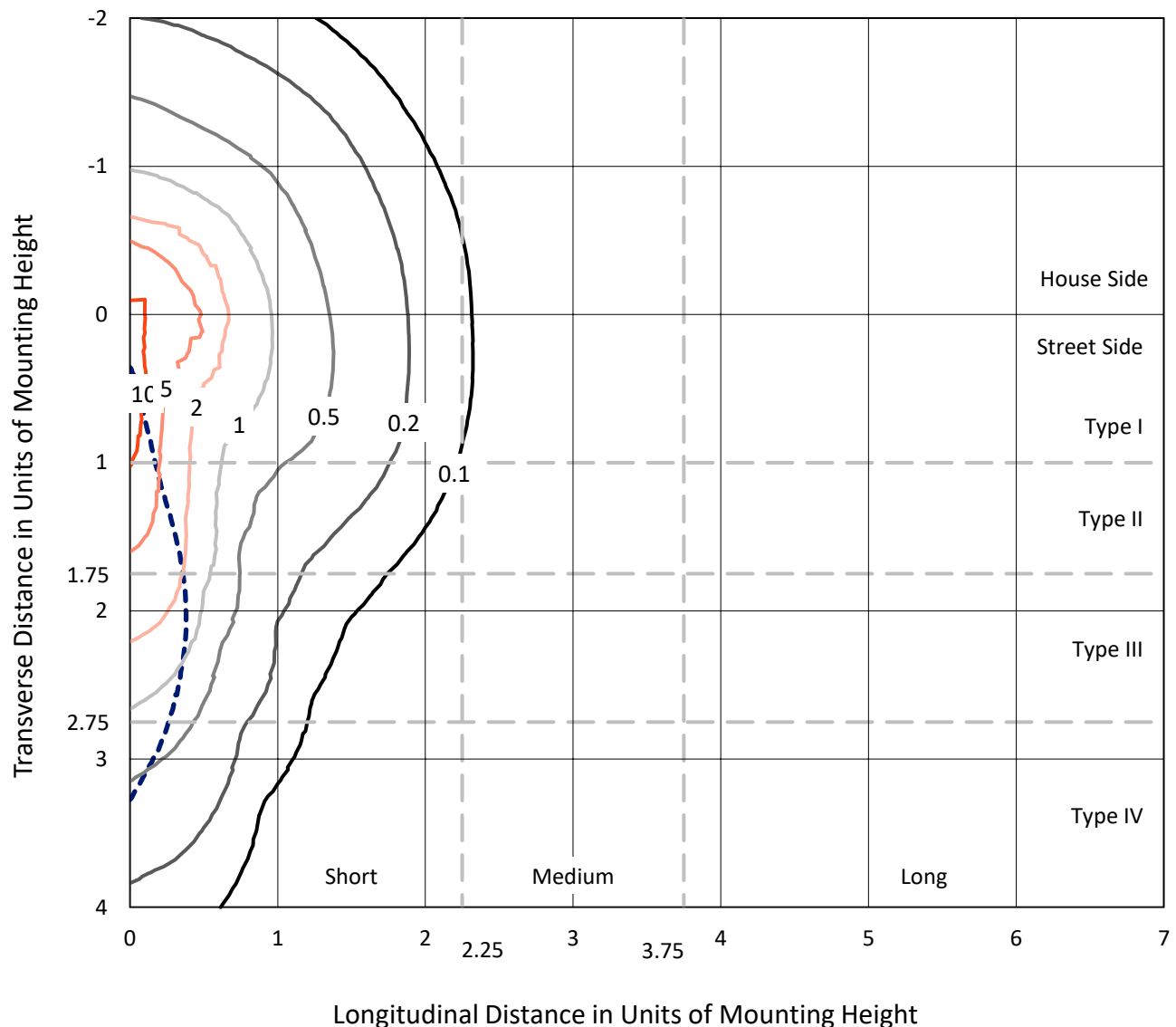


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Iso-Footcandle Lines of Horizontal Illumination

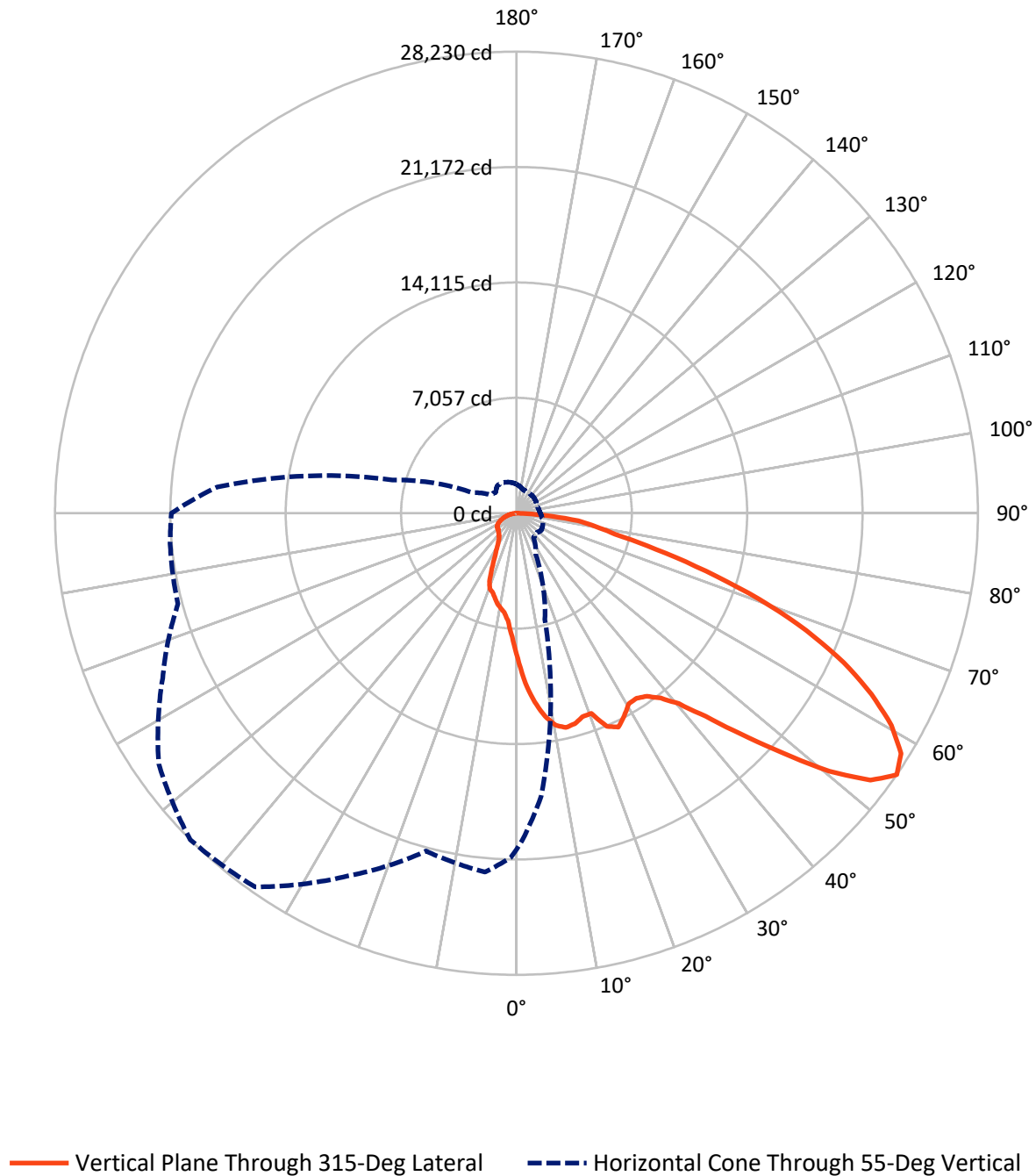
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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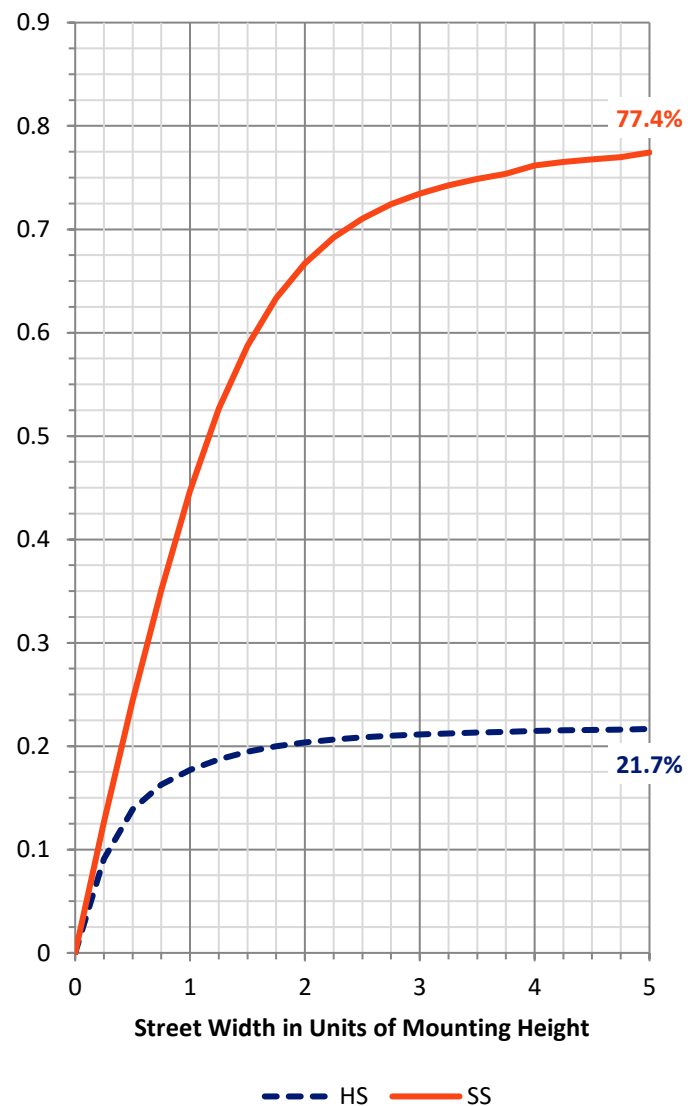
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7729.1	0.0	7729.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	27604.8	0.0	27604.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	35334.0	0.0	35334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.6	2.1
10°-20°	1993.9	5.6
20°-30°	3444.5	9.7
30°-40°	4003.0	11.3
40°-50°	5585.0	15.8
50°-60°	7578.3	21.4
60°-70°	7209.9	20.4
70°-80°	3895.0	11.0
80°-90°	872.9	2.5
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°	35334.0	100.0
0°-180°	35334.0	100.0

Coefficient of Utilization



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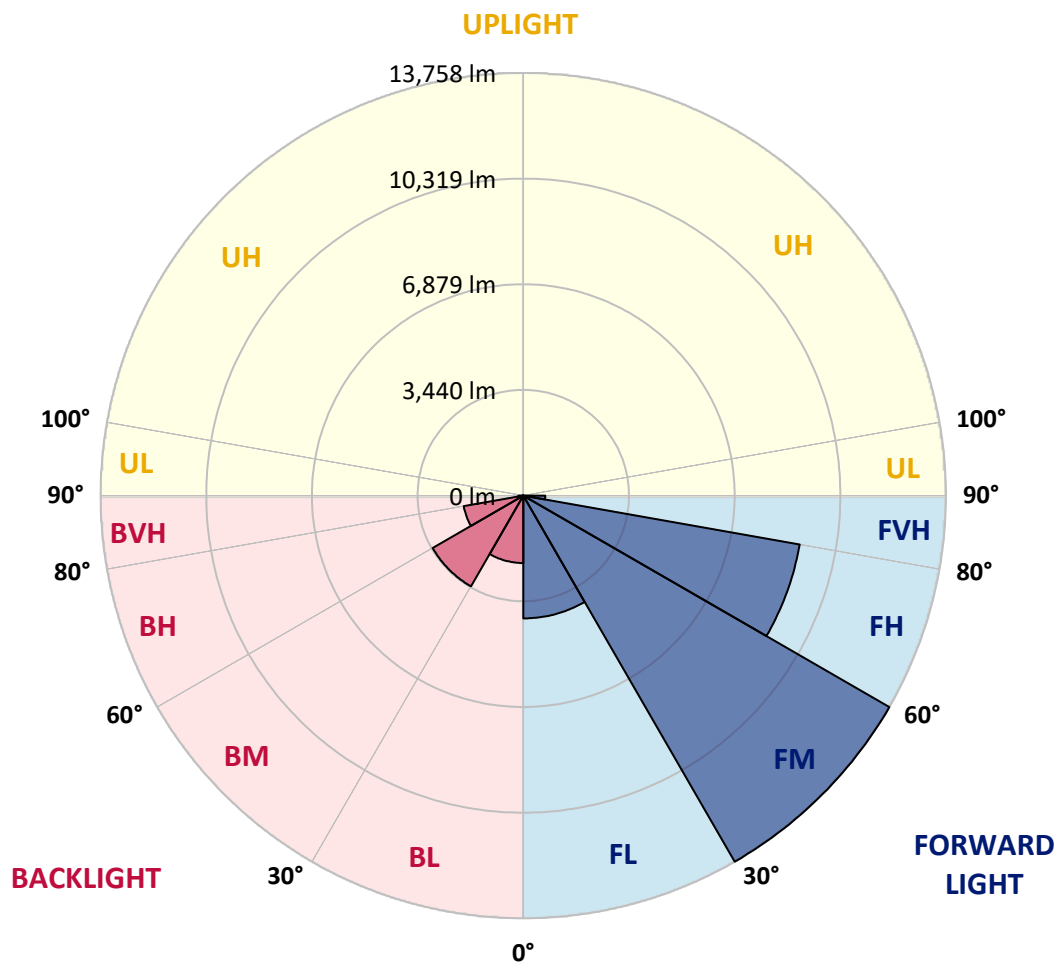
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3996.4	11.3			
FM	(30°-60°)	13758.3	38.9			
FH	(60°-80°)	9136.8	25.9			G4/12000
FVH	(80°-90°)	713.4	2.0			G4/750
BL	(0°-30°)	2193.6	6.2	B3/2500		
BM	(30°-60°)	3408.1	9.6	B3/5000		
BH	(60°-80°)	1968.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	159.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5
2.5°	9851.2	9813.9	9709.0	9433.9	9156.5	8874.4	8657.7	8387.2	8105.2	7953.7	7760.2
5°	9986.4	9944.4	9697.3	9077.3	8515.5	7925.7	7454.8	7042.2	6874.4	6627.3	6429.1
7.5°	9669.3	9650.7	9280.1	8389.6	7620.3	6848.7	6314.9	5983.9	5683.2	5571.3	5594.6
10°	9380.3	9305.7	8841.8	7678.6	6781.1	6154.1	5771.8	5447.7	5235.6	5179.7	5191.3
12.5°	9140.2	9040.0	8492.1	7200.7	6415.2	5914.0	5426.8	5088.8	4895.3	4948.9	5130.7
15°	9091.2	8956.0	8345.3	7037.6	6214.7	5569.0	5035.1	4645.9	4501.3	4617.9	4909.3
17.5°	9408.3	9238.1	8597.0	7091.2	6023.5	5217.0	4561.9	4116.7	3995.5	4182.0	4561.9
20°	10427.0	10175.2	9382.6	7401.2	6004.9	5042.1	4286.9	3839.3	3890.6	4244.9	4641.2
22.5°	12310.5	11932.8	10758.0	7853.4	6102.8	4997.8	4230.9	3997.8	4279.9	4580.6	4841.7
25°	12683.4	12387.4	11005.1	7956.0	6081.8	4967.5	4389.4	4506.0	4820.7	4969.9	4879.0
27.5°	12893.2	12555.2	10988.7	7447.8	5438.4	4506.0	4196.0	4389.4	4468.7	4324.2	4077.1
30°	13382.8	13030.8	11266.1	6914.0	4478.0	3342.8	2930.2	2850.9	2904.5	2932.5	2843.9
32.5°	14056.5	13709.1	11788.3	6564.3	3871.9	2764.7	2359.1	2247.2	2221.5	2191.2	2156.3
35°	14928.3	14394.5	12301.1	6340.6	3622.5	2557.2	2184.2	2098.0	2063.0	2021.1	1983.8
37.5°	15814.1	15254.6	12949.2	6105.1	3457.0	2412.7	2067.7	2028.0	1967.4	1923.1	1869.5
40°	16755.9	16128.8	13539.0	5900.0	3296.2	2319.4	1983.8	1979.1	1899.8	1848.6	1785.6
42.5°	17571.7	16926.0	14065.8	5774.1	3172.6	2221.5	1932.5	1946.5	1864.9	1787.9	1706.4
45°	18219.8	17585.7	14553.0	5774.1	3072.4	2123.6	1923.1	1913.8	1832.2	1736.7	1643.4
47.5°	18788.6	18133.5	15028.5	5921.0	3009.4	2042.0	1871.9	1888.2	1804.3	1683.0	1592.1
50°	19229.1	18651.0	15669.6	6149.4	2946.5	1976.8	1806.6	1895.2	1781.0	1655.1	1550.2
52.5°	19790.9	19273.4	16441.2	6461.8	2892.9	1904.5	1748.3	1895.2	1778.6	1657.4	1543.2
55°	20569.5	20024.0	17371.3	6720.5	2806.6	1836.9	1697.0	1841.6	1771.6	1645.7	1524.5
57.5°	21115.0	20707.0	18028.6	6893.0	2683.1	1750.6	1650.4	1790.3	1741.3	1601.5	1468.6
58°	21140.6	20742.0	18124.2	6932.7	2652.8	1734.3	1638.8	1767.0	1727.3	1582.8	1449.9
60°	20846.9	20504.2	18142.8	6876.7	2480.3	1652.7	1578.1	1671.4	1652.7	1473.2	1349.7
62.5°	19779.3	19413.3	17389.9	6422.1	2251.8	1552.5	1484.9	1543.2	1501.2	1319.4	1205.2
65°	18261.7	17588.0	15842.1	5708.8	2088.7	1445.3	1359.0	1363.7	1319.4	1188.9	1088.6
67.5°	16240.7	15487.7	13413.1	4811.4	1965.1	1326.4	1209.8	1198.2	1144.6	1060.6	979.1
70°	13753.4	13238.2	10900.2	3913.9	1827.6	1195.8	1042.0	1035.0	1002.4	939.4	867.2
72.5°	11147.3	10492.2	8802.2	3133.0	1659.7	1070.0	885.8	899.8	857.8	813.5	748.3
75°	8226.4	7797.5	6804.4	2512.9	1433.6	932.4	739.0	743.6	725.0	678.3	627.1
77.5°	5417.4	5289.2	4867.3	1650.4	1102.6	741.3	603.8	608.4	594.4	552.5	498.9
80°	3645.8	3559.6	3298.5	1063.0	736.6	536.1	466.2	470.9	468.5	424.3	352.0
82.5°	2247.2	2209.9	2126.0	718.0	510.5	384.6	307.7	321.7	347.3	298.4	240.1
85°	1060.6	1063.0	1284.4	391.6	300.7	247.1	167.8	179.5	179.5	179.5	135.2
87.5°	137.5	144.5	177.2	165.5	109.6	93.2	60.6	51.3	44.3	58.3	42.0
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°	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5
2.5°	7692.6	7646.0	7545.7	7522.4	7508.4	7548.1	7443.2	7471.1	7424.5	7555.1	7534.1
5°	6440.8	6445.5	6527.0	6580.7	6599.3	6580.7	6510.7	6389.5	6296.3	6259.0	6268.3
7.5°	5550.3	5631.9	5771.8	5928.0	6070.1	6112.1	6072.5	5841.7	5589.9	5431.4	5380.1
10°	5254.3	5363.8	5524.7	5648.2	5774.1	5874.3	5895.3	5715.8	5417.4	5042.1	4895.3
12.5°	5270.6	5419.8	5573.6	5613.3	5601.6	5641.2	5622.6	5592.3	5396.5	4918.6	4673.8
15°	5116.7	5293.9	5401.1	5380.1	5342.9	5307.9	5258.9	5182.0	5112.1	4776.4	4506.0
17.5°	4762.4	4944.2	5032.8	5039.8	5039.8	5030.5	4911.6	4883.6	4874.3	4711.1	4545.6
20°	4827.7	4927.9	4888.3	4823.0	4841.7	4904.6	4834.7	4820.7	4874.3	4946.6	4916.3
22.5°	4865.0	4830.0	4531.6	4242.6	4177.3	4373.1	4412.7	4568.9	4785.7	5046.8	5217.0
25°	4634.2	4352.1	3818.3	3492.0	3307.8	3489.6	3727.4	4016.5	4340.5	4676.2	4874.3
27.5°	3874.3	3659.8	3277.5	2983.8	2822.9	2850.9	3053.7	3317.1	3617.8	3844.0	3988.5
30°	2918.5	2822.9	2624.8	2524.6	2426.7	2403.4	2489.6	2589.8	2722.7	2750.7	2788.0
32.5°	2149.3	2135.3	2146.9	2114.3	2095.6	2093.3	2067.7	2091.0	2105.0	2121.3	2088.7
35°	1944.1	1925.5	1892.8	1883.5	1871.9	1876.5	1864.9	1853.2	1862.5	1876.5	1885.8
37.5°	1839.2	1811.3	1764.6	1748.3	1748.3	1755.3	1736.7	1732.0	1748.3	1792.6	1815.9
40°	1757.6	1725.0	1671.4	1650.4	1664.4	1683.0	1657.4	1648.1	1687.7	1734.3	1771.6
42.5°	1680.7	1655.1	1603.8	1580.5	1592.1	1627.1	1589.8	1582.8	1634.1	1685.4	1729.7
45°	1615.4	1589.8	1543.2	1531.5	1536.2	1568.8	1543.2	1543.2	1592.1	1648.1	1687.7
47.5°	1564.2	1531.5	1501.2	1491.9	1496.6	1515.2	1510.5	1510.5	1557.2	1615.4	1655.1
50°	1512.9	1484.9	1445.3	1449.9	1461.6	1487.2	1484.9	1491.9	1538.5	1610.8	1652.7
52.5°	1489.6	1447.6	1403.3	1408.0	1442.9	1473.2	1463.9	1470.9	1524.5	1659.7	1720.3
55°	1463.9	1408.0	1356.7	1363.7	1403.3	1447.6	1435.9	1445.3	1508.2	1692.4	1776.3
57.5°	1415.0	1349.7	1293.8	1298.4	1356.7	1403.3	1384.7	1396.3	1470.9	1657.4	1746.0
58°	1394.0	1338.0	1284.4	1286.8	1342.7	1394.0	1373.0	1382.3	1459.3	1648.1	1732.0
60°	1305.4	1272.8	1226.2	1228.5	1282.1	1326.4	1314.7	1324.1	1398.7	1580.5	1643.4
62.5°	1184.2	1165.5	1153.9	1153.9	1186.5	1228.5	1240.1	1251.8	1319.4	1429.0	1484.9
65°	1053.7	1053.7	1056.0	1056.0	1077.0	1130.6	1137.6	1167.9	1230.8	1284.4	1326.4
67.5°	965.1	960.4	965.1	953.4	962.7	995.4	1030.3	1058.3	1123.6	1160.9	1174.9
70°	850.8	848.5	850.8	834.5	846.2	874.2	897.5	944.1	1011.7	1039.7	1046.7
72.5°	739.0	739.0	743.6	732.0	732.0	762.3	778.6	829.9	892.8	909.1	911.5
75°	622.4	629.4	629.4	613.1	617.7	636.4	657.4	699.3	757.6	769.3	769.3
77.5°	494.2	519.8	519.8	503.5	510.5	512.8	540.8	561.8	606.1	610.7	592.1
80°	359.0	384.6	405.6	391.6	403.3	389.3	405.6	419.6	463.9	442.9	412.6
82.5°	256.4	275.1	291.4	293.7	282.1	256.4	277.4	279.7	300.7	272.7	256.4
85°	142.2	158.5	179.5	170.2	151.5	135.2	142.2	146.9	144.5	137.5	128.2
87.5°	37.3	39.6	44.3	32.6	30.3	25.6	35.0	35.0	39.6	42.0	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°	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5
2.5°	7550.4	7653.0	7874.4	8042.2	8247.4	8496.8	8790.5	9086.6	9405.9	9506.2	9646.0
5°	6247.3	6503.7	6611.0	6916.3	7219.4	7673.9	8158.8	8720.6	9336.0	9632.1	9916.4
7.5°	5338.2	5475.7	5587.6	5811.4	6175.0	6727.5	7335.9	8037.6	8909.4	9340.7	9757.9
10°	4848.7	4862.6	5000.2	5277.6	5594.6	6081.8	6657.6	7443.2	8415.2	8939.7	9429.2
12.5°	4524.6	4464.0	4613.2	4902.3	5261.3	5711.2	6240.3	6988.6	8058.6	8597.0	9189.1
15°	4240.2	4144.7	4256.6	4552.6	4906.9	5436.1	6004.9	6797.4	7918.7	8545.8	9203.1
17.5°	4247.2	3983.8	4023.5	4272.9	4624.9	5163.4	5853.4	6790.5	8130.8	8853.5	9632.1
20°	4771.7	4349.8	4170.3	4216.9	4557.3	5144.7	5923.3	7116.8	8827.8	9881.5	10713.7
22.5°	5286.9	5032.8	4743.8	4648.2	4834.7	5450.1	6368.5	7888.4	10343.0	11930.5	13434.1
25°	5107.4	5324.2	5251.9	5116.7	5158.7	5669.2	6671.6	8522.5	11520.2	13308.2	14720.8
27.5°	4086.4	4480.3	4559.6	4557.3	4573.6	4993.2	6000.2	8095.9	11667.1	13571.6	14921.3
30°	2871.9	2906.9	2948.8	3030.4	3105.0	3480.3	4694.8	7107.5	11601.8	13690.5	15042.5
32.5°	2072.3	2119.0	2177.2	2289.1	2466.3	2944.2	4107.4	6792.8	11946.8	14182.3	15396.8
35°	1895.2	1948.8	2004.7	2132.9	2300.8	2743.7	3874.3	6662.2	12513.3	14979.6	16033.2
37.5°	1839.2	1899.8	1948.8	2042.0	2177.2	2599.2	3662.1	6573.7	13093.7	15823.4	16886.4
40°	1799.6	1869.5	1909.2	1983.8	2077.0	2466.3	3473.3	6503.7	13655.5	16595.0	17571.7
42.5°	1764.6	1836.9	1888.2	1941.8	2018.7	2347.4	3305.5	6433.8	14142.7	17343.3	18254.7
45°	1722.7	1813.6	1878.9	1920.8	1988.4	2247.2	3177.3	6377.9	14697.5	18007.6	18944.7
47.5°	1687.7	1787.9	1869.5	1918.5	1944.1	2177.2	3074.7	6454.8	15364.2	18702.3	19585.8
50°	1690.0	1785.6	1888.2	1965.1	1897.5	2119.0	3011.8	6760.2	16231.4	19527.5	20091.6
52.5°	1764.6	1881.2	1962.8	1981.4	1832.2	2049.0	2979.1	7294.0	17257.0	20257.1	20602.1
55°	1848.6	1969.8	2058.3	2046.7	1797.3	1960.4	2972.1	7862.8	18380.6	21108.0	21266.5
57.5°	1818.2	1995.4	2130.6	2070.0	1799.6	1874.2	2941.8	8322.0	19320.0	21744.4	21923.9
58°	1808.9	1986.1	2139.9	2065.3	1792.6	1848.6	2934.8	8361.6	19450.6	21788.7	22017.1
60°	1718.0	1904.5	2132.9	2030.4	1753.0	1778.6	2857.9	8489.8	19415.6	21560.2	22073.1
62.5°	1552.5	1706.4	1972.1	1860.2	1631.8	1685.4	2685.4	8331.3	18469.2	20459.9	21254.8
65°	1366.0	1480.2	1657.4	1636.4	1459.3	1589.8	2450.0	7704.2	16574.0	18674.3	19511.2
67.5°	1226.2	1319.4	1431.3	1401.0	1312.4	1461.6	2195.9	6643.6	14448.1	16529.7	17583.4
70°	1084.0	1156.2	1212.2	1191.2	1163.2	1335.7	1969.8	5391.8	12410.7	14492.4	15513.4
72.5°	939.4	1007.0	1053.7	1023.3	1007.0	1202.8	1785.6	4184.3	9802.2	11956.1	13268.5
75°	785.6	853.2	885.8	850.8	841.5	1060.6	1512.9	3126.0	7354.6	9217.1	10350.0
77.5°	608.4	680.7	722.6	711.0	715.6	871.8	1221.5	2139.9	5258.9	6282.3	7475.8
80°	426.6	505.8	533.8	522.2	554.8	664.4	862.5	1359.0	3627.2	4077.1	4918.6
82.5°	263.4	338.0	342.7	354.3	377.6	491.9	650.4	827.5	2277.5	2354.4	2965.1
85°	132.9	160.8	172.5	191.1	212.1	300.7	370.6	512.8	1466.3	1109.6	1657.4
87.5°	44.3	46.6	55.9	69.9	86.3	123.5	158.5	209.8	363.6	200.5	512.8
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: P458035

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5	8867.5
2.5°	9928.1	10126.2	10270.8	10403.6	10275.4	10263.8	10137.9	9935.1	9851.2	9851.2
5°	10513.2	10977.1	11352.4	11592.5	11489.9	11242.8	10834.9	10315.1	10035.3	9986.4
7.5°	10674.0	11590.2	12287.2	12534.3	12361.8	11816.3	11035.4	10158.9	9757.9	9669.3
10°	10576.1	11767.3	12790.7	13182.3	12942.2	12117.0	11051.7	9977.1	9482.9	9380.3
12.5°	10473.6	11790.6	12883.9	13450.4	13294.2	12359.4	11170.6	9858.2	9287.0	9140.2
15°	10548.2	11800.0	12769.7	13354.8	13455.0	12650.8	11366.4	9944.4	9247.4	9091.2
17.5°	11019.0	11977.1	12606.5	13079.7	13431.7	13047.1	11923.5	10357.0	9601.7	9408.3
20°	12002.8	12401.4	12699.8	13065.7	13632.2	13856.0	13063.4	11489.9	10597.1	10427.0
22.5°	14851.4	14779.1	14168.3	14161.4	14981.9	15879.4	15825.7	13793.0	12450.3	12310.5
25°	15919.0	15583.3	14699.8	14485.4	14846.7	16231.4	16030.9	14263.9	13023.8	12683.4
27.5°	15501.7	14669.5	14089.1	14040.1	13921.2	15229.0	15711.5	14455.1	13224.3	12893.2
30°	15476.1	14252.3	13422.4	13520.3	13634.5	14884.0	15888.7	15054.2	13737.1	13382.8
32.5°	15539.0	14310.5	13471.3	13490.0	13830.3	14935.3	16084.5	15706.9	14410.8	14056.5
35°	15793.1	14641.6	13783.7	13739.4	14270.9	15270.9	16417.8	16732.5	15331.6	14928.3
37.5°	16203.4	15301.3	14354.8	14343.2	15114.8	15877.0	16832.8	17767.5	16247.7	15814.1
40°	16807.1	16072.8	15371.2	15308.2	16261.7	16863.1	17371.3	18870.1	17313.0	16755.9
42.5°	17536.8	16998.3	16711.6	16961.0	17877.1	17970.3	18210.4	19888.8	18219.8	17571.7
45°	18212.8	18187.1	18585.8	19247.8	19781.6	19222.1	19086.9	20571.8	18923.8	18219.8
47.5°	19017.0	19711.7	20914.5	21884.2	22443.7	20679.1	19835.2	21017.1	19436.6	18788.6
50°	19832.9	21536.9	23457.7	24809.8	24928.6	22261.9	20350.4	21436.7	19902.8	19229.1
52.5°	20690.7	22993.8	25551.0	27122.2	26891.4	23639.6	20849.2	21721.1	20383.0	19790.9
55°	21436.7	23886.6	26721.2	28229.5	27891.5	24478.7	21387.7	22028.8	21068.4	20569.5
57.5°	21853.9	23961.2	26429.9	27746.9	27380.9	24315.6	21634.8	22257.2	21506.6	21115.0
58°	21914.5	23861.0	26171.1	27467.2	27094.2	24178.0	21632.5	22247.9	21534.6	21140.6
60°	21860.9	23210.6	25208.4	26362.3	25970.6	23315.5	21543.9	22073.1	21180.3	20846.9
62.5°	21364.4	22082.4	23546.3	24385.5	24273.6	21968.2	21180.3	21413.4	20101.0	19779.3
65°	20711.7	20543.9	21418.0	22012.5	22096.4	20958.8	20818.9	19986.7	18716.3	18261.7
67.5°	19919.1	18800.2	18797.9	19135.9	19275.8	19406.3	20066.0	18436.6	16720.9	16240.7
70°	18574.1	16112.5	15371.2	15769.8	15653.2	16755.9	18721.0	16259.3	14315.2	13753.4
72.5°	16107.8	12786.0	11599.5	12112.3	11818.6	13140.3	16380.5	13380.4	11837.3	11147.3
75°	13056.4	9564.4	8340.6	8811.5	8629.7	9967.7	13629.9	9718.3	8489.8	8226.4
77.5°	10137.9	6930.3	6219.3	6154.1	6289.3	7417.5	9998.0	6562.0	5596.9	5417.4
80°	6513.1	4960.6	5002.5	4918.6	4988.5	4676.2	6070.1	4186.6	3790.3	3645.8
82.5°	4286.9	3457.0	4121.4	3804.3	3613.2	3144.6	3981.5	2741.4	2326.4	2247.2
85°	2920.9	2545.5	2317.1	1771.6	2086.3	2422.0	2986.1	1475.6	1170.2	1060.6
87.5°	1319.4	885.8	650.4	400.9	634.1	732.0	1449.9	172.5	132.9	137.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)