

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: P453859

Luminaire Tested: **GALN-SA4D-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453859
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-SA4D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 1200mA 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: 20962 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 245
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



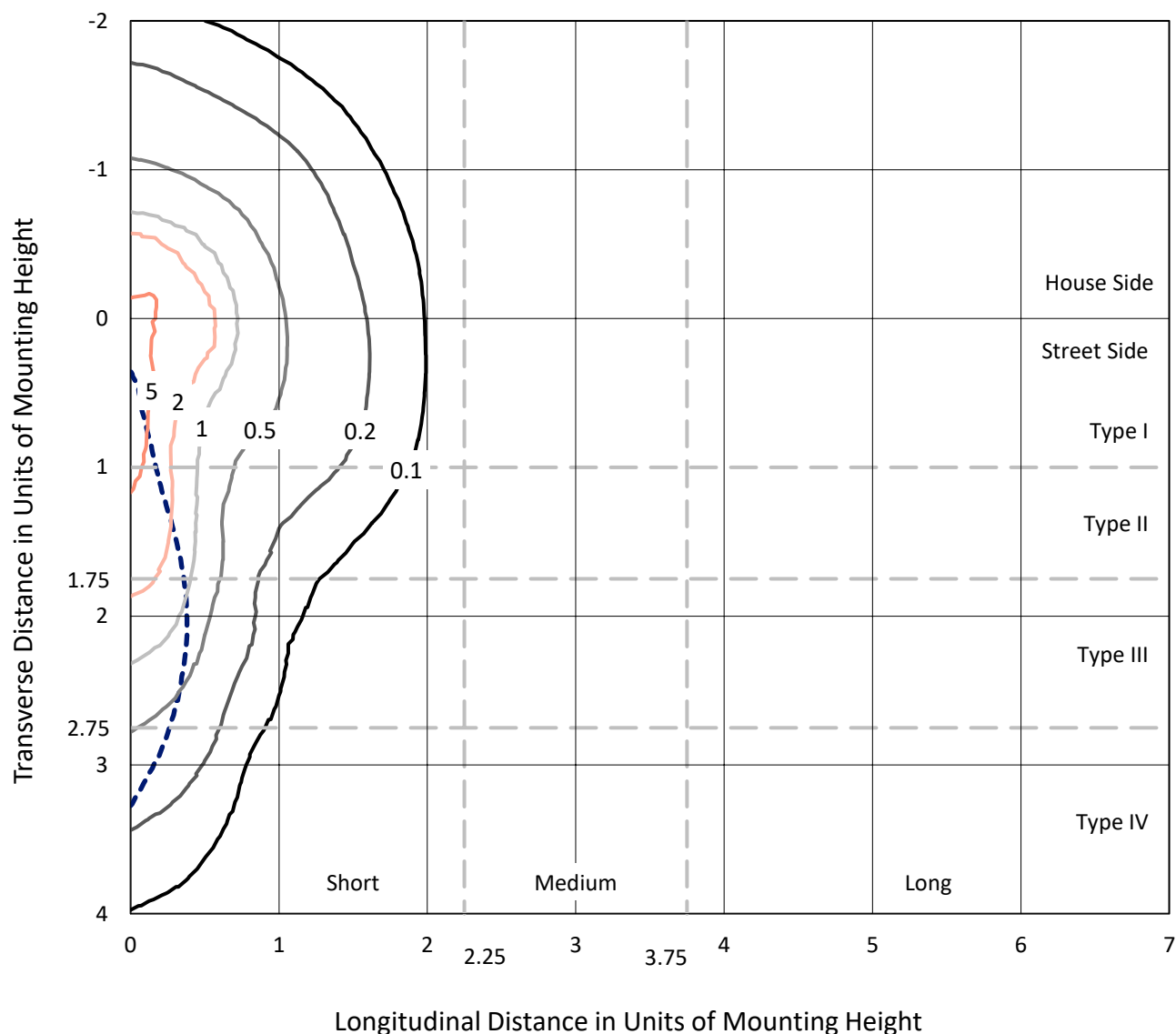
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



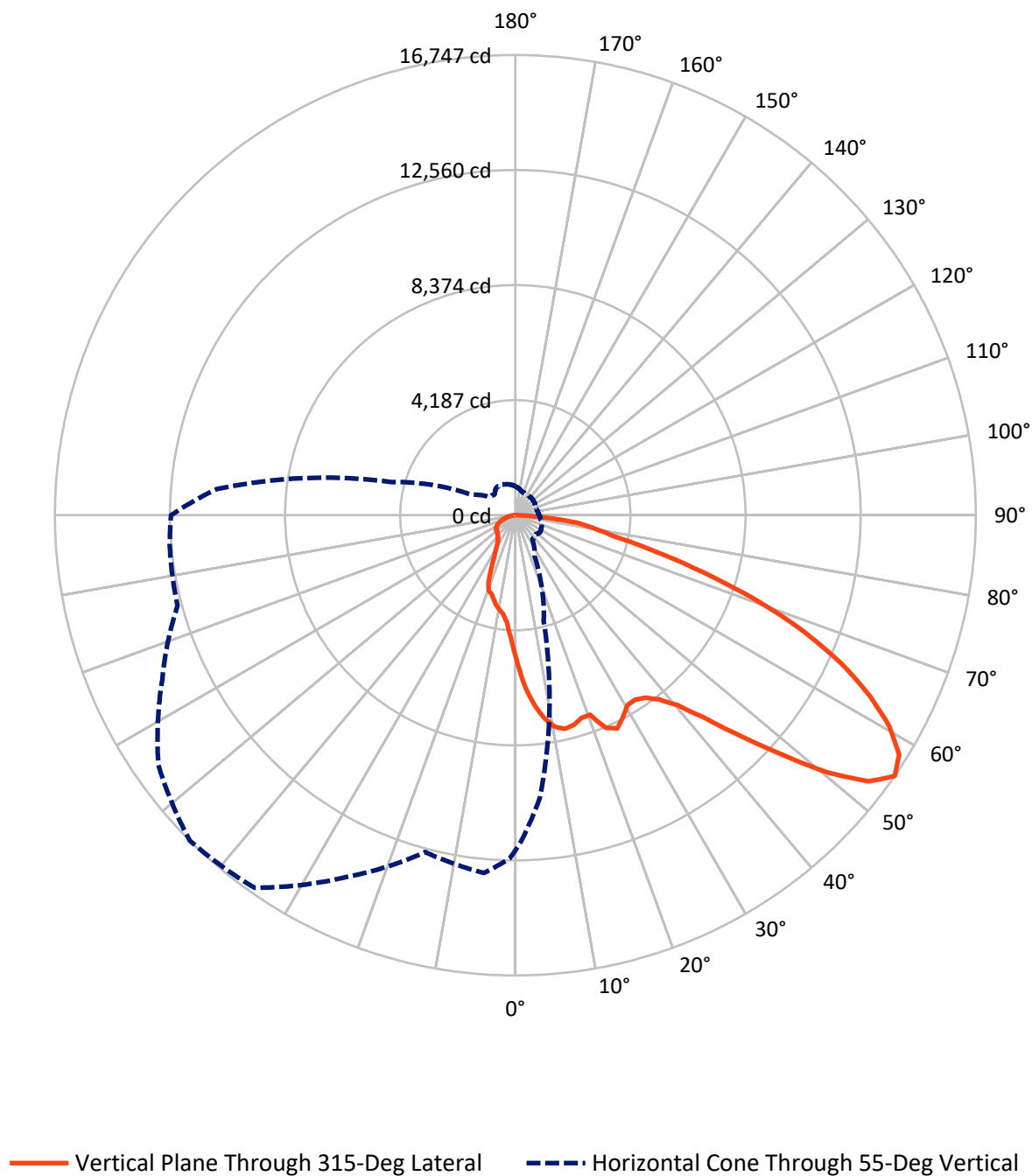
Based on 25 foot mounting height. Maximum calculated value = 9 fc

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	4585.3	0.0	4585.3
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	16376.7	0.0	16376.7
	% Fixture	78.1	0.0	78.1
Total	Lumens	20962.0	0.0	20962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.9	2.1
10°-20°	1182.9	5.6
20°-30°	2043.5	9.7
30°-40°	2374.8	11.3
40°-50°	3313.3	15.8
50°-60°	4495.8	21.4
60°-70°	4277.3	20.4
70°-80°	2310.7	11.0
80°-90°	517.9	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°	20962.0	100.0
0°-180°	20962.0	100.0

Coefficient of Utilization



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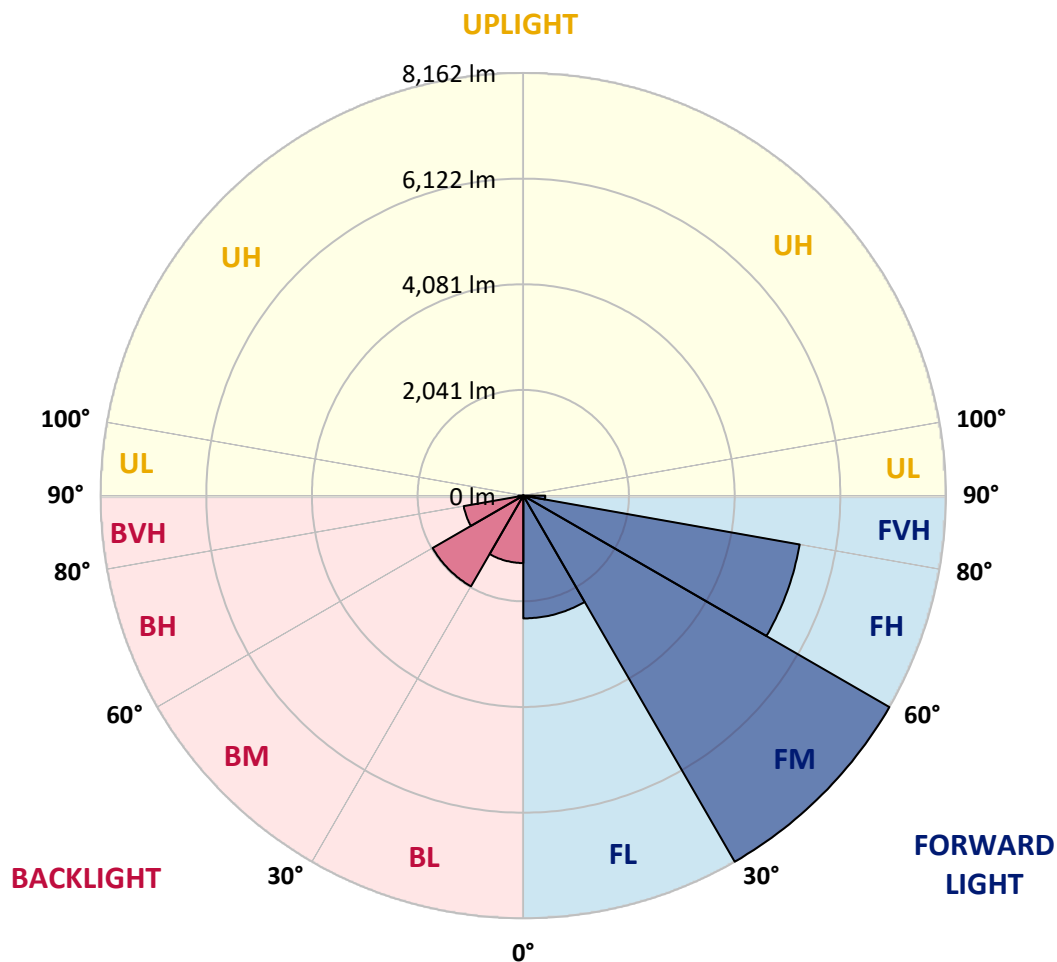
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2370.8	11.3			
FM	(30°-60°)	8162.2	38.9			
FH	(60°-80°)	5420.4	25.9			G3/7500
FVH	(80°-90°)	423.2	2.0			G3/500
BL	(0°-30°)	1301.3	6.2	B3/2500		
BM	(30°-60°)	2021.8	9.6	B2/2500		
BH	(60°-80°)	1167.5	5.6	B3/2500		G3/2500
BVH	(80°-90°)	94.6	0.5			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6
2.5°	5844.2	5822.1	5759.9	5596.7	5432.1	5264.8	5136.2	4975.8	4808.4	4718.5	4603.8
5°	5924.4	5899.6	5753.0	5385.1	5051.8	4701.9	4422.6	4177.8	4078.2	3931.7	3814.1
7.5°	5736.4	5725.3	5505.4	4977.1	4520.8	4063.0	3746.3	3550.0	3371.6	3305.2	3319.0
10°	5564.9	5520.6	5245.4	4555.4	4022.9	3650.9	3424.1	3231.9	3106.0	3072.9	3079.8
12.5°	5422.4	5363.0	5038.0	4271.9	3805.8	3508.5	3219.4	3018.9	2904.1	2935.9	3043.8
15°	5393.4	5313.2	4950.9	4175.0	3686.9	3303.8	2987.1	2756.2	2670.4	2739.6	2912.4
17.5°	5581.5	5480.5	5100.2	4206.9	3573.5	3095.0	2706.4	2442.2	2370.3	2481.0	2706.4
20°	6185.8	6036.5	5566.3	4390.8	3562.4	2991.3	2543.2	2277.7	2308.1	2518.3	2753.4
22.5°	7303.2	7079.2	6382.2	4659.1	3620.5	2965.0	2510.0	2371.7	2539.0	2717.4	2872.3
25°	7524.5	7348.9	6528.8	4719.9	3608.0	2947.0	2604.0	2673.2	2859.9	2948.4	2894.5
27.5°	7649.0	7448.4	6519.1	4418.4	3226.4	2673.2	2489.3	2604.0	2651.1	2565.3	2418.7
30°	7939.4	7730.5	6683.7	4101.8	2656.6	1983.1	1738.3	1691.3	1723.1	1739.7	1687.2
32.5°	8339.0	8133.0	6993.4	3894.3	2297.0	1640.1	1399.5	1333.1	1317.9	1299.9	1279.2
35°	8856.2	8539.6	7297.7	3761.6	2149.1	1517.1	1295.8	1244.6	1223.9	1199.0	1176.9
37.5°	9381.8	9049.9	7682.1	3621.9	2050.9	1431.3	1226.7	1203.1	1167.2	1140.9	1109.1
40°	9940.5	9568.5	8032.0	3500.2	1955.5	1376.0	1176.9	1174.1	1127.1	1096.7	1059.3
42.5°	10424.5	10041.4	8344.6	3425.5	1882.2	1317.9	1146.4	1154.7	1106.3	1060.7	1012.3
45°	10808.9	10432.8	8633.6	3425.5	1822.7	1259.8	1140.9	1135.4	1087.0	1030.3	975.0
47.5°	11146.4	10757.8	8915.7	3512.6	1785.4	1211.4	1110.5	1120.2	1070.4	998.5	944.5
50°	11407.7	11064.8	9296.0	3648.2	1748.0	1172.7	1071.8	1124.3	1056.6	981.9	919.6
52.5°	11741.0	11434.0	9753.8	3833.5	1716.2	1129.8	1037.2	1124.3	1055.2	983.3	915.5
55°	12202.9	11879.3	10305.6	3987.0	1665.0	1089.7	1006.8	1092.5	1051.0	976.3	904.4
57.5°	12526.5	12284.5	10695.5	4089.3	1591.7	1038.6	979.1	1062.1	1033.0	950.1	871.2
58°	12541.7	12305.3	10752.2	4112.8	1573.8	1028.9	972.2	1048.3	1024.7	939.0	860.2
60°	12367.5	12164.2	10763.3	4079.6	1471.4	980.5	936.2	991.6	980.5	874.0	800.7
62.5°	11734.1	11517.0	10316.6	3810.0	1335.9	921.0	880.9	915.5	890.6	782.7	715.0
65°	10833.8	10434.2	9398.4	3386.8	1239.1	857.4	806.2	809.0	782.7	705.3	645.8
67.5°	9634.8	9188.1	7957.3	2854.4	1165.8	786.9	717.7	710.8	679.0	629.2	580.8
70°	8159.3	7853.6	6466.6	2321.9	1084.2	709.4	618.2	614.0	594.7	557.3	514.4
72.5°	6613.1	6224.5	5221.9	1858.6	984.6	634.8	525.5	533.8	508.9	482.6	443.9
75°	4880.3	4625.9	4036.8	1490.8	850.5	553.2	438.4	441.2	430.1	402.4	372.0
77.5°	3213.9	3137.9	2887.5	979.1	654.1	439.8	358.2	360.9	352.6	327.8	295.9
80°	2162.9	2111.7	1956.8	630.6	437.0	318.1	276.6	279.4	278.0	251.7	208.8
82.5°	1333.1	1311.0	1261.2	425.9	302.9	228.2	182.5	190.8	206.1	177.0	142.4
85°	629.2	630.6	762.0	232.3	178.4	146.6	99.6	106.5	106.5	106.5	80.2
87.5°	81.6	85.7	105.1	98.2	65.0	55.3	36.0	30.4	26.3	34.6	24.9
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°	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6
2.5°	4563.6	4536.0	4476.5	4462.7	4454.4	4477.9	4415.7	4432.3	4404.6	4482.1	4469.6
5°	3821.0	3823.8	3872.2	3904.0	3915.1	3904.0	3862.5	3790.6	3735.3	3713.2	3718.7
7.5°	3292.7	3341.1	3424.1	3516.8	3601.1	3626.0	3602.5	3465.6	3316.3	3222.2	3191.8
10°	3117.1	3182.1	3277.5	3350.8	3425.5	3485.0	3497.4	3390.9	3213.9	2991.3	2904.1
12.5°	3126.8	3215.3	3306.6	3330.1	3323.2	3346.7	3335.6	3317.6	3201.5	2918.0	2772.8
15°	3035.5	3140.6	3204.2	3191.8	3169.7	3148.9	3119.9	3074.2	3032.8	2833.6	2673.2
17.5°	2825.3	2933.2	2985.7	2989.9	2989.9	2984.4	2913.8	2897.2	2891.7	2794.9	2696.7
20°	2864.0	2923.5	2900.0	2861.3	2872.3	2909.7	2868.2	2859.9	2891.7	2934.6	2916.6
22.5°	2886.2	2865.4	2688.4	2516.9	2478.2	2594.4	2617.9	2710.5	2839.1	2994.0	3095.0
25°	2749.3	2581.9	2265.2	2071.6	1962.4	2070.2	2211.3	2382.8	2575.0	2774.1	2891.7
27.5°	2298.4	2171.2	1944.4	1770.1	1674.7	1691.3	1811.6	1967.9	2146.3	2280.4	2366.2
30°	1731.4	1674.7	1557.2	1497.7	1439.6	1425.8	1477.0	1536.4	1615.3	1631.9	1654.0
32.5°	1275.1	1266.8	1273.7	1254.3	1243.2	1241.9	1226.7	1240.5	1248.8	1258.5	1239.1
35°	1153.4	1142.3	1122.9	1117.4	1110.5	1113.3	1106.3	1099.4	1105.0	1113.3	1118.8
37.5°	1091.1	1074.5	1046.9	1037.2	1037.2	1041.3	1030.3	1027.5	1037.2	1063.5	1077.3
40°	1042.7	1023.4	991.6	979.1	987.4	998.5	983.3	977.7	1001.2	1028.9	1051.0
42.5°	997.1	981.9	951.5	937.6	944.5	965.3	943.2	939.0	969.4	999.9	1026.1
45°	958.4	943.2	915.5	908.6	911.3	930.7	915.5	915.5	944.5	977.7	1001.2
47.5°	927.9	908.6	890.6	885.1	887.8	898.9	896.1	896.1	923.8	958.4	981.9
50°	897.5	880.9	857.4	860.2	867.1	882.3	880.9	885.1	912.7	955.6	980.5
52.5°	883.7	858.8	832.5	835.3	856.0	874.0	868.5	872.6	904.4	984.6	1020.6
55°	868.5	835.3	804.9	809.0	832.5	858.8	851.9	857.4	894.8	1004.0	1053.8
57.5°	839.4	800.7	767.5	770.3	804.9	832.5	821.5	828.4	872.6	983.3	1035.8
58°	827.0	793.8	762.0	763.4	796.6	827.0	814.5	820.1	865.7	977.7	1027.5
60°	774.4	755.1	727.4	728.8	760.6	786.9	780.0	785.5	829.8	937.6	975.0
62.5°	702.5	691.5	684.5	684.5	703.9	728.8	735.7	742.6	782.7	847.7	880.9
65°	625.1	625.1	626.5	626.5	638.9	670.7	674.9	692.8	730.2	762.0	786.9
67.5°	572.5	569.8	572.5	565.6	571.1	590.5	611.3	627.8	666.6	688.7	697.0
70°	504.8	503.4	504.8	495.1	502.0	518.6	532.4	560.1	600.2	616.8	620.9
72.5°	438.4	438.4	441.2	434.2	434.2	452.2	461.9	492.3	529.7	539.3	540.7
75°	369.2	373.4	373.4	363.7	366.5	377.5	390.0	414.9	449.5	456.4	456.4
77.5°	293.2	308.4	308.4	298.7	302.9	304.2	320.8	333.3	359.6	362.3	351.3
80°	213.0	228.2	240.6	232.3	239.2	230.9	240.6	248.9	275.2	262.8	244.8
82.5°	152.1	163.2	172.9	174.2	167.3	152.1	164.6	166.0	178.4	161.8	152.1
85°	84.4	94.0	106.5	101.0	89.9	80.2	84.4	87.1	85.7	81.6	76.1
87.5°	22.1	23.5	26.3	19.4	18.0	15.2	20.7	20.7	23.5	24.9	23.5
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°	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6
2.5°	4479.3	4540.1	4671.5	4771.1	4892.8	5040.8	5215.0	5390.6	5580.1	5639.6	5722.5
5°	3706.2	3858.4	3922.0	4103.1	4282.9	4552.6	4840.2	5173.5	5538.6	5714.2	5883.0
7.5°	3166.9	3248.5	3314.9	3447.6	3663.4	3991.1	4352.1	4768.3	5285.5	5541.4	5788.9
10°	2876.5	2884.8	2966.4	3130.9	3319.0	3608.0	3949.6	4415.7	4992.4	5303.5	5593.9
12.5°	2684.3	2648.3	2736.8	2908.3	3121.3	3388.2	3702.1	4146.0	4780.8	5100.2	5451.5
15°	2515.5	2458.8	2525.2	2700.9	2911.1	3225.0	3562.4	4032.6	4697.8	5069.8	5459.8
17.5°	2519.7	2363.4	2386.9	2534.9	2743.7	3063.2	3472.5	4028.5	4823.6	5252.3	5714.2
20°	2830.8	2580.5	2474.1	2501.7	2703.6	3052.1	3514.0	4222.1	5237.1	5862.2	6355.9
22.5°	3136.5	2985.7	2814.3	2757.6	2868.2	3233.3	3778.1	4679.8	6136.0	7077.8	7969.8
25°	3030.0	3158.6	3115.7	3035.5	3060.4	3363.3	3957.9	5056.0	6834.4	7895.1	8733.2
27.5°	2424.3	2658.0	2705.0	2703.6	2713.3	2962.2	3559.6	4802.9	6921.5	8051.4	8852.1
30°	1703.8	1724.5	1749.4	1797.8	1842.1	2064.7	2785.2	4216.5	6882.8	8121.9	8924.0
32.5°	1229.4	1257.1	1291.7	1358.0	1463.1	1746.6	2436.7	4029.8	7087.5	8413.7	9134.2
35°	1124.3	1156.1	1189.3	1265.4	1364.9	1627.7	2298.4	3952.4	7423.5	8886.7	9511.8
37.5°	1091.1	1127.1	1156.1	1211.4	1291.7	1542.0	2172.6	3899.8	7767.9	9387.3	10017.9
40°	1067.6	1109.1	1132.6	1176.9	1232.2	1463.1	2060.6	3858.4	8101.2	9845.0	10424.5
42.5°	1046.9	1089.7	1120.2	1152.0	1197.6	1392.6	1961.0	3816.9	8390.2	10289.0	10829.7
45°	1022.0	1075.9	1114.6	1139.5	1179.6	1333.1	1884.9	3783.7	8719.3	10683.1	11239.0
47.5°	1001.2	1060.7	1109.1	1138.1	1153.4	1291.7	1824.1	3829.3	9114.9	11095.2	11619.3
50°	1002.6	1059.3	1120.2	1165.8	1125.7	1257.1	1786.7	4010.5	9629.3	11584.8	11919.4
52.5°	1046.9	1116.0	1164.4	1175.5	1087.0	1215.6	1767.4	4327.2	10237.8	12017.6	12222.3
55°	1096.7	1168.6	1221.1	1214.2	1066.2	1163.0	1763.2	4664.6	10904.4	12522.4	12616.4
57.5°	1078.7	1183.8	1264.0	1228.0	1067.6	1111.9	1745.3	4937.0	11461.7	12899.9	13006.4
58°	1073.1	1178.3	1269.5	1225.3	1063.5	1096.7	1741.1	4960.5	11539.1	12926.2	13061.7
60°	1019.2	1129.8	1265.4	1204.5	1040.0	1055.2	1695.5	5036.6	11518.4	12790.7	13094.9
62.5°	921.0	1012.3	1170.0	1103.6	968.0	999.9	1593.1	4942.6	10956.9	12137.9	12609.5
65°	810.4	878.2	983.3	970.8	865.7	943.2	1453.5	4570.6	9832.6	11078.6	11575.1
67.5°	727.4	782.7	849.1	831.1	778.6	867.1	1302.7	3941.3	8571.4	9806.3	10431.4
70°	643.1	685.9	719.1	706.7	690.1	792.4	1168.6	3198.7	7362.7	8597.6	9203.4
72.5°	557.3	597.4	625.1	607.1	597.4	713.6	1059.3	2482.3	5815.2	7093.0	7871.6
75°	466.0	506.2	525.5	504.8	499.2	629.2	897.5	1854.5	4363.1	5468.1	6140.2
77.5°	360.9	403.8	428.7	421.8	424.6	517.2	724.7	1269.5	3119.9	3727.0	4435.0
80°	253.1	300.1	316.7	309.8	329.1	394.1	511.7	806.2	2151.8	2418.7	2918.0
82.5°	156.3	200.5	203.3	210.2	224.0	291.8	385.8	490.9	1351.1	1396.8	1759.1
85°	78.8	95.4	102.3	113.4	125.8	178.4	219.9	304.2	869.9	658.3	983.3
87.5°	26.3	27.7	33.2	41.5	51.2	73.3	94.0	124.5	215.7	118.9	304.2
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: P453859

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6	5260.6
2.5°	5889.9	6007.4	6093.2	6172.0	6095.9	6089.0	6014.3	5894.0	5844.2	5844.2
5°	6237.0	6512.2	6734.8	6877.3	6816.4	6669.8	6427.8	6119.4	5953.5	5924.4
7.5°	6332.4	6875.9	7289.4	7436.0	7333.6	7010.0	6546.8	6026.8	5788.9	5736.4
10°	6274.3	6981.0	7588.1	7820.4	7678.0	7188.4	6556.4	5918.9	5625.7	5564.9
12.5°	6213.5	6994.8	7643.4	7979.5	7886.8	7332.3	6627.0	5848.4	5509.6	5422.4
15°	6257.7	7000.4	7575.7	7922.8	7982.2	7505.1	6743.1	5899.6	5486.1	5393.4
17.5°	6537.1	7105.5	7478.9	7759.6	7968.4	7740.2	7073.7	6144.3	5696.3	5581.5
20°	7120.7	7357.2	7534.2	7751.3	8087.3	8220.1	7749.9	6816.4	6286.8	6185.8
22.5°	8810.6	8767.7	8405.4	8401.3	8888.1	9420.5	9388.7	8182.8	7386.2	7303.2
25°	9444.0	9244.8	8720.7	8593.5	8807.8	9629.3	9510.4	8462.1	7726.4	7524.5
27.5°	9196.4	8702.7	8358.4	8329.4	8258.8	9034.6	9320.9	8575.5	7845.3	7649.0
30°	9181.2	8455.2	7962.9	8021.0	8088.7	8830.0	9426.0	8930.9	8149.6	7939.4
32.5°	9218.6	8489.8	7991.9	8003.0	8204.9	8860.4	9542.2	9318.1	8549.2	8339.0
35°	9369.3	8686.1	8177.2	8151.0	8466.3	9059.5	9739.9	9926.6	9095.5	8856.2
37.5°	9612.7	9077.5	8516.0	8509.1	8966.9	9419.1	9986.1	10540.6	9639.0	9381.8
40°	9970.9	9535.3	9119.0	9081.7	9647.3	10004.1	10305.6	11194.8	10271.0	9940.5
42.5°	10403.7	10084.3	9914.2	10062.2	10605.6	10661.0	10803.4	11799.1	10808.9	10424.5
45°	10804.8	10789.6	11026.1	11418.8	11735.5	11403.6	11323.4	12204.3	11226.6	10808.9
47.5°	11281.9	11694.0	12407.6	12982.9	13314.8	12267.9	11767.3	12468.4	11530.8	11146.4
50°	11765.9	12776.8	13916.4	14718.5	14789.0	13206.9	12072.9	12717.4	11807.4	11407.7
52.5°	12274.8	13641.2	15158.2	16090.3	15953.4	14024.2	12368.9	12886.1	12092.3	11741.0
55°	12717.4	14170.8	15852.5	16747.2	16546.7	14522.1	12688.3	13068.6	12498.9	12202.9
57.5°	12964.9	14215.1	15679.6	16460.9	16243.8	14425.3	12834.9	13204.2	12758.9	12526.5
58°	13000.9	14155.6	15526.1	16295.0	16073.7	14343.7	12833.5	13198.6	12775.5	12541.7
60°	12969.1	13769.8	14954.9	15639.5	15407.2	13832.0	12781.0	13094.9	12565.2	12367.5
62.5°	12674.5	13100.4	13968.9	14466.8	14400.4	13032.7	12565.2	12703.5	11925.0	11734.1
65°	12287.3	12187.7	12706.3	13059.0	13108.7	12433.9	12350.9	11857.2	11103.5	10833.8
67.5°	11817.1	11153.3	11151.9	11352.4	11435.4	11512.8	11904.2	10937.5	9919.7	9634.8
70°	11019.1	9558.8	9119.0	9355.5	9286.3	9940.5	11106.3	9645.9	8492.5	8159.3
72.5°	9556.0	7585.3	6881.4	7185.7	7011.4	7795.5	9717.8	7938.0	7022.5	6613.1
75°	7745.8	5674.1	4948.1	5227.5	5119.6	5913.4	8086.0	5765.4	5036.6	4880.3
77.5°	6014.3	4111.4	3689.6	3650.9	3731.1	4400.5	5931.4	3892.9	3320.4	3213.9
80°	3863.9	2942.9	2967.8	2918.0	2959.5	2774.1	3601.1	2483.7	2248.6	2162.9
82.5°	2543.2	2050.9	2445.0	2256.9	2143.5	1865.6	2362.0	1626.3	1380.2	1333.1
85°	1732.8	1510.2	1374.6	1051.0	1237.7	1436.9	1771.5	875.4	694.2	629.2
87.5°	782.7	525.5	385.8	237.9	376.2	434.2	860.2	102.3	78.8	81.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)