

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: P533958

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533958
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-SA9B-830-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 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: 30529 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

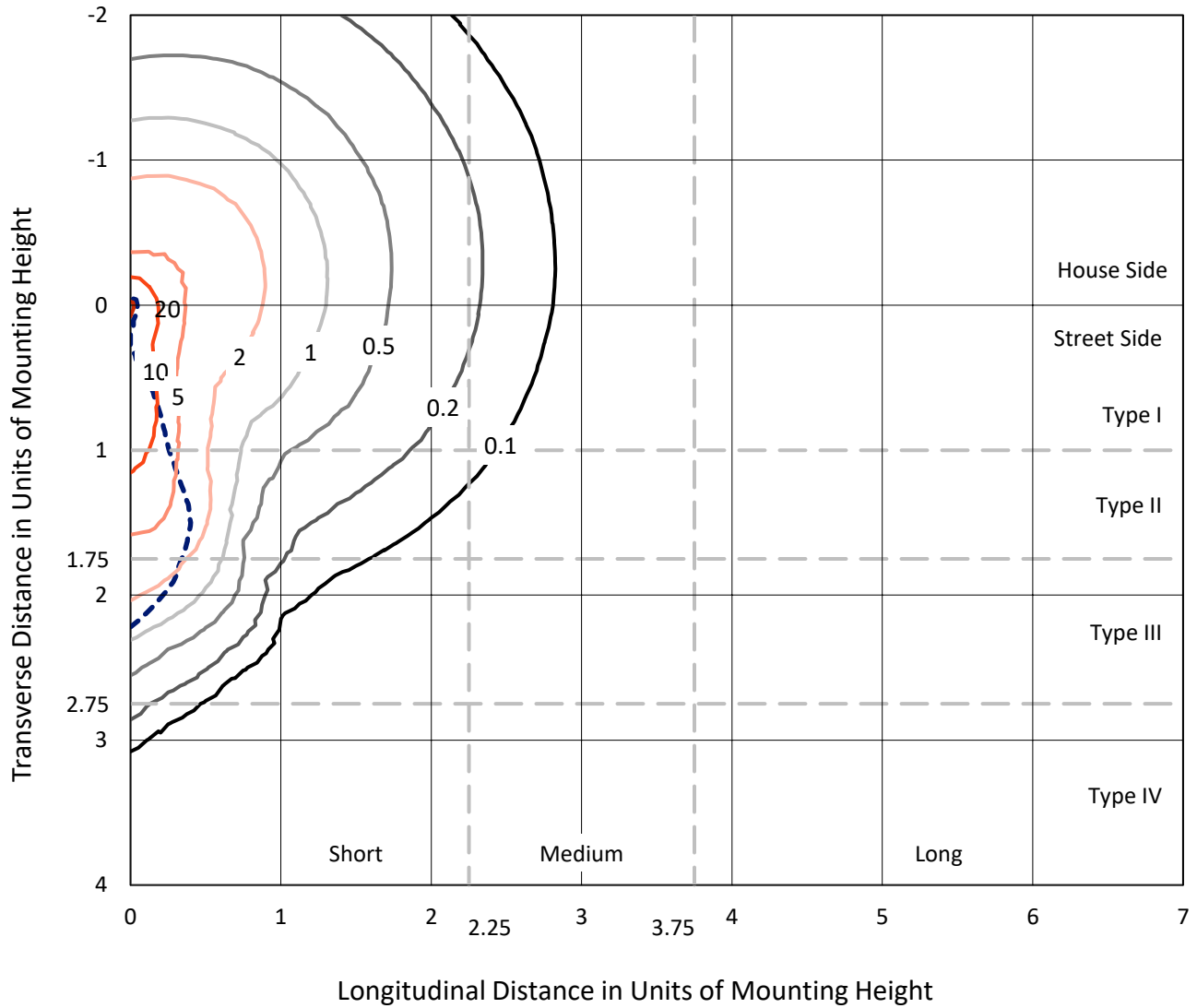
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

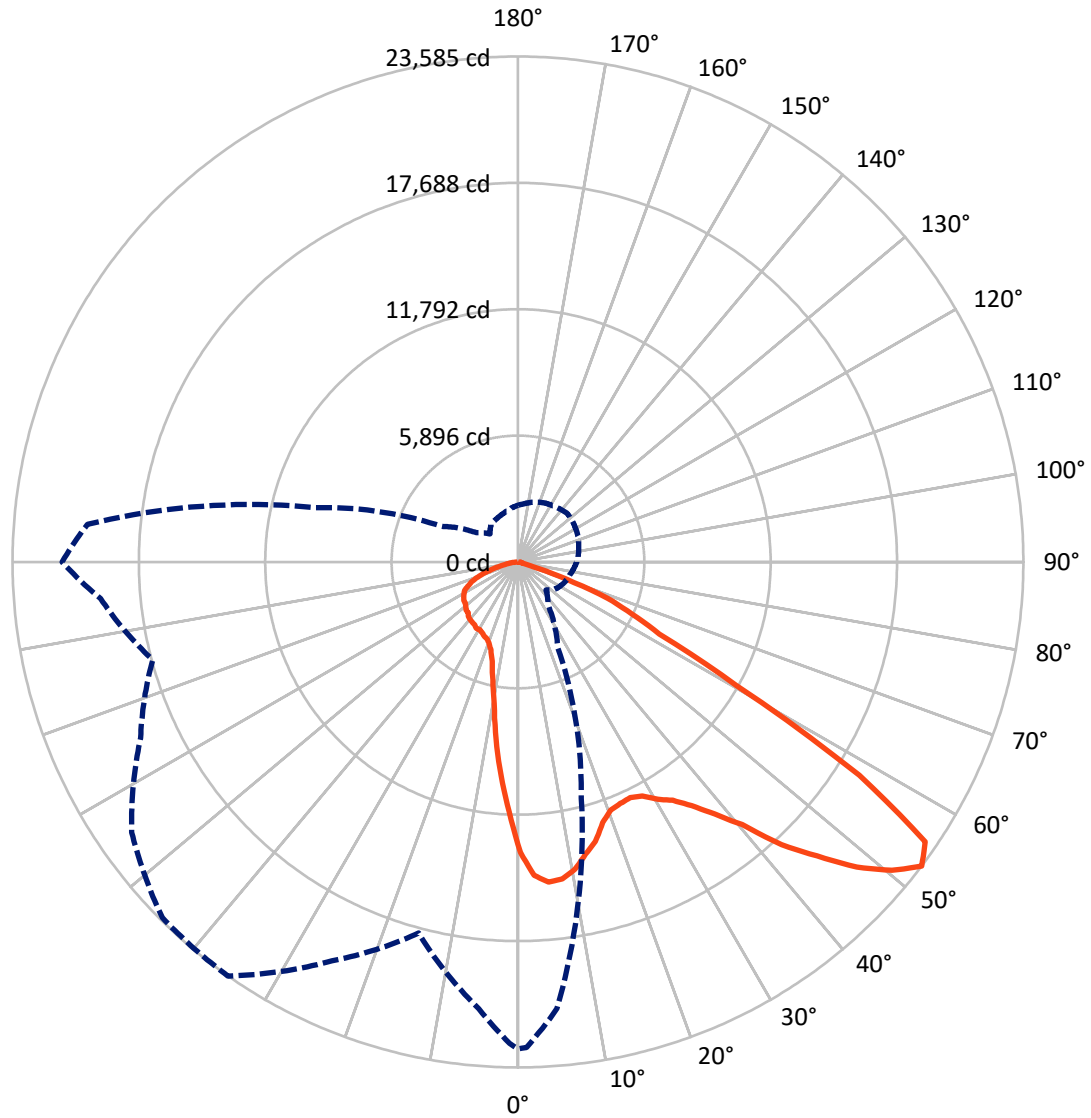
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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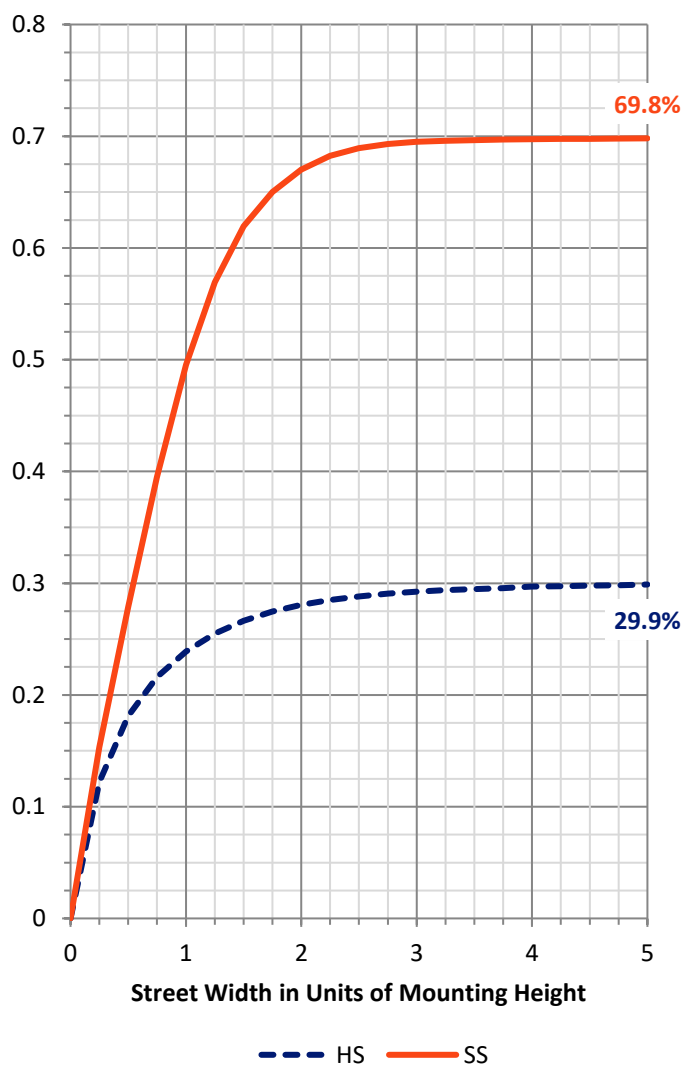
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9203.2	0.0	9203.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	21325.8	0.0	21325.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	30529.0	0.0	30529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.7	3.4
10°-20°	2240.8	7.3
20°-30°	3385.7	11.1
30°-40°	4892.5	16.0
40°-50°	6511.1	21.3
50°-60°	7282.8	23.9
60°-70°	4104.5	13.4
70°-80°	915.0	3.0
80°-90°	162.9	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°	30529.0	100.0
0°-180°	30529.0	100.0

Coefficient of Utilization



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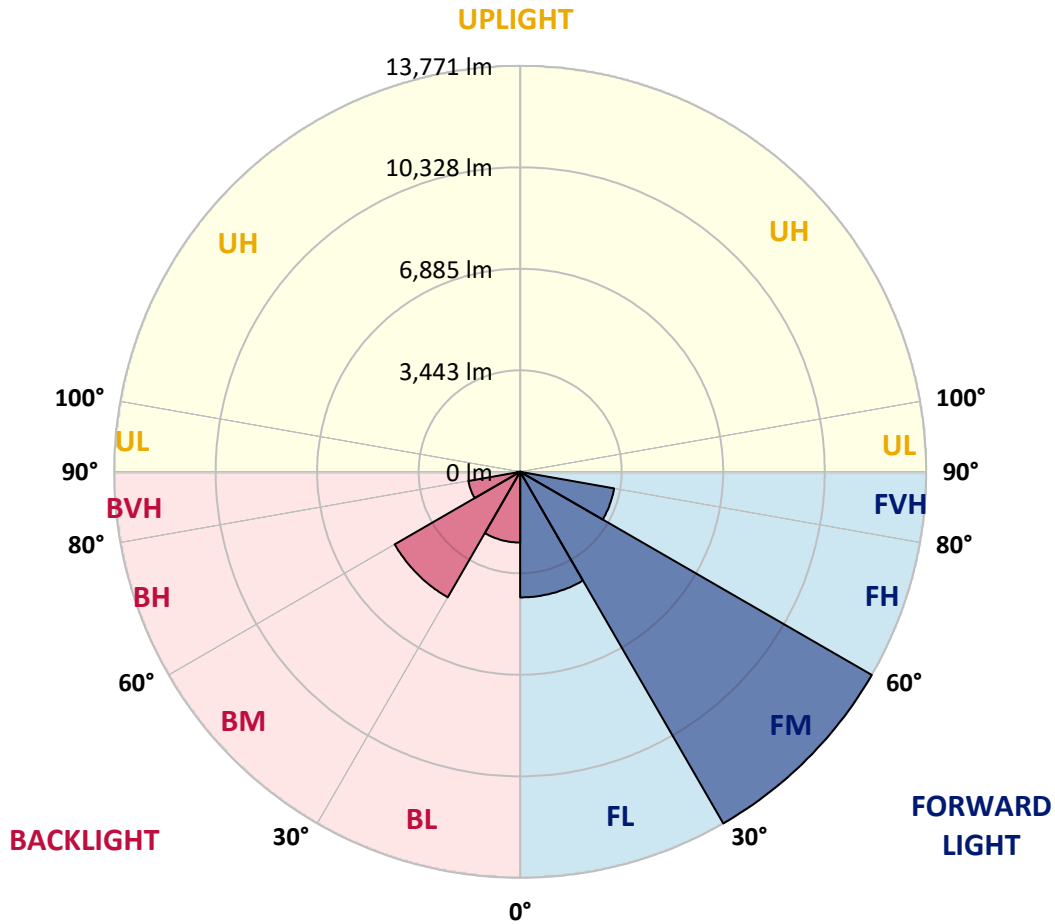
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4260.3	14.0			
FM (30°-60°)	13770.9	45.1			
FH (60°-80°)	3235.6	10.6			G2/5000
FVH (80°-90°)	59.0	0.2			G1/100
BL (0°-30°)	2400.0	7.9	B3/2500		
BM (30°-60°)	4915.4	16.1	B3/5000		
BH (60°-80°)	1783.9	5.8	B3/2500		G3/2500
BVH (80°-90°)	103.9	0.3			G2/225
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°	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0
2.5°	13774.6	13995.9	13756.9	13332.1	13031.2	12756.9	12469.3	12411.8	12035.7	11969.3	11694.9
5°	12991.4	12942.8	12650.7	12093.2	11478.1	10920.6	10509.1	10110.8	9840.9	9526.7	9504.6
7.5°	12040.1	11756.9	11588.7	10743.6	9982.5	9106.4	8730.3	8124.1	7933.8	7650.6	7504.6
10°	11190.5	10982.5	10588.7	9743.6	8681.6	8101.9	7699.3	7371.8	7150.6	6858.6	6491.3
12.5°	10770.1	10686.1	10243.6	8933.8	8146.2	7526.7	7243.5	6924.9	6548.8	6079.8	5898.4
15°	10845.4	10562.2	10225.9	8778.9	7690.4	7093.1	6641.7	6243.5	5761.2	5314.3	5053.2
17.5°	11407.3	11190.5	10517.9	8876.3	7517.9	6655.0	5836.4	5247.9	4814.3	4411.6	4230.2
20°	12513.5	12199.4	11442.7	9000.2	7146.2	6044.4	5106.3	4380.6	3916.0	3703.6	3641.7
22.5°	13739.2	13553.4	12345.4	9279.0	6849.7	5478.0	4331.9	3606.3	3433.7	3376.2	3491.2
25°	15230.4	14748.1	13748.1	9734.7	6619.6	4995.7	3677.1	3274.4	3185.9	3243.4	3376.2
27.5°	16363.2	16234.9	14730.4	10163.9	6305.4	4416.0	3309.8	3044.3	3070.9	3128.4	3252.3
30°	17708.3	17057.9	15681.7	10460.4	6022.3	4017.8	3053.2	2982.4	3008.9	3106.3	3168.2
32.5°	18518.1	18274.7	16279.1	10907.3	5694.8	3672.6	2854.0	2787.7	2827.5	2973.5	3119.5
35°	19549.1	19066.8	17018.1	11022.4	5464.7	3535.5	2712.4	2663.8	2756.7	2858.5	3022.2
37.5°	20752.6	20420.8	18040.2	10942.7	5340.8	3393.9	2593.0	2570.9	2637.2	2778.8	2969.1
40°	21465.1	21363.3	18575.6	10991.4	5146.1	3270.0	2455.8	2482.4	2619.5	2730.1	2916.0
42.5°	22150.9	21487.2	19367.7	10973.7	5022.2	3101.8	2469.1	2438.1	2544.3	2672.6	2849.6
45°	22301.4	21642.0	19553.5	10849.8	4871.8	2938.1	2367.3	2380.6	2508.9	2668.2	2783.2
47.5°	22204.0	21717.3	19898.6	10814.4	4730.2	2823.1	2216.9	2376.2	2451.4	2579.7	2743.4
50°	22137.6	22111.1	20190.7	10982.5	4539.9	2641.6	2035.4	2318.6	2393.9	2522.2	2699.2
52.5°	22721.7	22664.2	20920.8	11425.0	4389.5	2447.0	1849.6	2172.6	2354.0	2477.9	2650.5
55°	23075.7	22823.5	22173.0	11969.3	4137.3	2190.3	1721.3	1991.2	2256.7	2367.3	2544.3
57.5°	20757.1	20584.5	20057.9	11172.8	3712.5	1854.0	1562.0	1805.3	2123.9	2296.5	2477.9
60°	17270.3	17000.4	15650.8	9495.8	2739.0	1442.5	1464.6	1659.3	2088.5	2154.9	2367.3
62.5°	16283.5	15615.4	13779.1	7641.8	2101.8	1239.0	1314.2	1526.6	1902.7	2013.3	2225.7
65°	12920.6	12425.0	9858.6	5517.8	1407.1	1075.2	1199.1	1376.1	1641.6	1858.4	2053.1
67.5°	8088.7	7615.2	5261.2	2610.7	982.3	920.4	1070.8	1256.7	1473.5	1668.2	1885.0
70°	4225.8	3708.0	2429.3	942.5	677.0	752.2	893.8	1070.8	1283.2	1442.5	1610.7
72.5°	1575.3	1278.8	792.1	407.1	469.0	575.2	725.7	854.0	1004.4	1199.1	1292.1
75°	243.4	208.0	203.5	247.8	318.6	415.9	517.7	646.0	778.8	902.7	964.6
77.5°	115.0	110.6	123.9	163.7	212.4	296.5	376.1	500.0	606.2	685.9	721.3
80°	75.2	70.8	79.6	110.6	159.3	221.2	300.9	385.0	482.3	548.7	539.8
82.5°	44.2	48.7	48.7	75.2	110.6	159.3	216.8	292.0	358.4	415.9	380.5
85°	26.5	22.1	22.1	44.2	75.2	128.3	181.4	123.9	128.3	128.3	146.0
87.5°	8.8	8.8	8.8	4.4	8.8	8.8	13.3	22.1	26.5	31.0	39.8
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°	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0
2.5°	11686.1	11823.3	11774.6	11602.0	11734.8	11756.9	11668.4	11973.7	12031.2	11938.3	11964.9
5°	9473.7	9509.0	9588.7	9756.8	9876.3	10017.9	10017.9	10026.8	9907.3	10208.2	10119.7
7.5°	7380.7	7402.8	7495.7	7854.1	7955.9	8225.8	8340.9	8261.2	8022.3	7920.5	8004.6
10°	6371.8	6243.5	6212.5	6256.8	6486.9	6601.9	6699.3	6672.7	6632.9	6553.2	6464.7
12.5°	5699.2	5606.3	5531.1	5424.9	5438.2	5548.8	5624.0	5562.1	5579.8	5597.5	5624.0
15°	4969.1	4902.8	4862.9	4703.6	4685.9	4761.2	4787.7	4823.1	4889.5	4893.9	4862.9
17.5°	4194.8	4137.3	4225.8	4314.3	4252.3	4256.7	4305.4	4336.4	4318.7	4239.0	4199.2
20°	3663.8	3725.7	3814.2	3898.3	3964.7	4004.5	4022.2	3973.5	3916.0	3752.3	3747.9
22.5°	3508.9	3588.6	3663.8	3792.1	3854.1	3955.8	3862.9	3752.3	3672.6	3593.0	3500.1
25°	3393.9	3460.2	3610.7	3659.4	3778.8	3862.9	3796.5	3685.9	3548.7	3433.7	3362.9
27.5°	3309.8	3385.0	3482.4	3615.1	3708.0	3756.7	3690.3	3646.1	3504.5	3367.3	3265.6
30°	3256.7	3336.4	3513.3	3624.0	3703.6	3743.4	3628.4	3575.3	3473.5	3358.5	3270.0
32.5°	3221.3	3292.1	3442.6	3584.1	3637.2	3637.2	3654.9	3593.0	3451.4	3256.7	3181.5
35°	3106.3	3203.6	3327.5	3491.2	3588.6	3646.1	3557.6	3486.8	3393.9	3194.8	3057.6
37.5°	3039.9	3106.3	3265.6	3420.4	3504.5	3566.4	3531.0	3407.2	3283.3	3119.5	3008.9
40°	2969.1	3075.3	3216.9	3362.9	3455.8	3517.8	3491.2	3345.2	3194.8	3039.9	2964.7
42.5°	2920.4	2991.2	3137.2	3301.0	3411.6	3531.0	3451.4	3270.0	3163.8	2951.4	2867.3
45°	2880.6	2995.6	3150.5	3216.9	3331.9	3455.8	3314.2	3203.6	3079.7	2924.8	2854.0
47.5°	2831.9	2938.1	3039.9	3216.9	3270.0	3327.5	3301.0	3124.0	3017.8	2849.6	2800.9
50°	2814.2	2854.0	3039.9	3137.2	3212.5	3270.0	3199.2	3066.4	2964.7	2792.1	2685.9
52.5°	2743.4	2818.6	2938.1	3066.4	3159.4	3230.2	3115.1	3031.0	2893.9	2712.4	2646.1
55°	2654.9	2699.2	2911.6	3044.3	3093.0	3141.7	3097.4	2960.2	2818.6	2632.8	2566.4
57.5°	2539.9	2641.6	2814.2	3000.1	3062.0	3088.6	3017.8	2907.1	2730.1	2566.4	2460.2
60°	2420.4	2526.6	2716.9	2867.3	2929.3	3026.6	2920.4	2854.0	2650.5	2469.1	2354.0
62.5°	2300.9	2420.4	2562.0	2752.3	2805.4	2845.2	2818.6	2725.7	2562.0	2358.5	2216.9
65°	2159.3	2247.8	2424.8	2522.2	2557.6	2650.5	2557.6	2522.2	2376.2	2181.5	2062.0
67.5°	1946.9	2022.2	2177.0	2270.0	2296.5	2336.3	2331.9	2292.1	2128.4	1995.6	1889.4
70°	1703.6	1769.9	1867.3	1977.9	1991.2	2039.9	1995.6	1986.8	1880.6	1699.2	1641.6
72.5°	1367.3	1429.2	1557.6	1606.2	1610.7	1628.4	1606.2	1575.3	1548.7	1358.4	1300.9
75°	1048.7	1084.1	1146.0	1190.3	1190.3	1212.4	1199.1	1168.2	1097.4	977.9	920.4
77.5°	730.1	765.5	845.2	871.7	867.3	876.1	836.3	805.3	699.1	637.2	588.5
80°	531.0	553.1	592.9	610.6	615.1	628.3	579.7	553.1	491.2	420.4	398.2
82.5°	385.0	398.2	402.7	424.8	424.8	402.7	389.4	362.8	318.6	274.3	256.6
85°	159.3	163.7	168.1	194.7	199.1	238.9	221.2	208.0	181.4	154.9	141.6
87.5°	39.8	44.2	57.5	48.7	57.5	57.5	61.9	70.8	70.8	57.5	57.5
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°	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0
2.5°	12066.6	12102.0	12553.4	12610.9	12832.1	13057.8	13513.6	13841.0	14106.5	14279.1	14327.7
5°	10212.6	10438.3	10646.2	10982.5	11287.8	11721.5	12221.5	12841.0	13619.8	14018.0	14177.3
7.5°	7995.7	8261.2	8562.1	8889.6	9336.5	10115.3	10783.4	11500.2	12495.8	12907.4	13531.3
10°	6526.7	6823.2	7221.4	7473.6	8013.4	8756.8	9535.6	10363.1	11314.4	11907.3	12628.6
12.5°	5770.0	6013.4	6380.7	6911.6	7314.3	7796.6	8376.3	9420.6	10783.4	11345.4	11841.0
15°	4933.7	5203.6	5628.4	6216.9	6699.3	7274.5	7924.9	9062.1	10513.5	11380.8	11801.1
17.5°	4243.5	4438.1	4885.1	5393.9	5947.0	6575.4	7509.0	9044.4	10796.7	11907.3	12593.2
20°	3765.6	3792.1	4035.5	4469.1	5221.3	6040.0	7252.4	8955.9	11703.8	12814.4	13681.7
22.5°	3464.7	3438.1	3442.6	3809.8	4336.4	5513.4	6849.7	9256.8	12734.8	14256.9	14841.0
25°	3314.2	3243.4	3199.2	3278.8	3756.7	4889.5	6544.4	9655.1	13845.4	15447.2	16164.1
27.5°	3234.6	3110.7	3022.2	3035.5	3385.0	4575.3	6354.1	9827.6	14947.2	17106.6	17358.8
30°	3203.6	3048.7	2920.4	2876.2	3106.3	4137.3	5947.0	10124.1	15934.0	18018.1	18234.9
32.5°	3093.0	2902.7	2778.8	2739.0	2831.9	3752.3	5655.0	10336.5	16805.7	19009.2	18934.0
35°	2964.7	2805.4	2650.5	2575.3	2641.6	3504.5	5420.5	10234.7	17832.2	19779.2	19739.4
37.5°	2951.4	2743.4	2615.1	2491.2	2486.8	3199.2	5101.9	10332.1	18487.1	21159.7	20615.5
40°	2836.3	2703.6	2535.5	2433.7	2376.2	3044.3	4792.1	10102.0	19447.3	21717.3	21181.9
42.5°	2840.8	2641.6	2495.6	2376.2	2318.6	2818.6	4579.7	10040.0	19783.6	22624.4	21447.4
45°	2770.0	2575.3	2451.4	2309.8	2278.8	2646.1	4376.2	9752.4	20376.5	22668.6	21115.5
47.5°	2699.2	2526.6	2393.9	2225.7	2154.9	2584.1	4216.9	9513.5	20066.8	22252.7	20655.3
50°	2650.5	2451.4	2327.5	2208.0	2008.9	2477.9	4008.9	9456.0	19633.2	21690.7	19801.3
52.5°	2566.4	2389.4	2261.1	2168.2	1849.6	2380.6	3929.3	9792.2	20164.1	21270.4	19553.5
55°	2486.8	2305.4	2141.6	1960.2	1716.9	2123.9	3708.0	10106.4	20938.5	22239.4	20677.4
57.5°	2402.7	2230.1	2053.1	1836.3	1588.5	1858.4	3477.9	10163.9	19487.1	20553.5	19628.7
60°	2292.1	2070.8	1938.1	1654.9	1451.4	1539.9	2756.7	8960.4	15115.4	17164.1	17195.1
62.5°	2168.2	1929.2	1814.2	1482.3	1309.8	1327.5	2247.8	7531.1	12261.3	14208.3	15053.4
65°	2004.5	1774.4	1637.2	1371.7	1208.0	1150.5	1646.1	5517.8	9314.4	11526.8	12487.0
67.5°	1792.1	1575.3	1402.7	1194.7	1079.7	986.7	1123.9	3106.3	5500.1	7739.1	8031.1
70°	1566.4	1380.6	1199.1	1026.6	898.2	831.9	823.0	1376.1	2628.4	4163.8	4739.0
72.5°	1234.5	1101.8	955.8	827.5	743.4	646.0	588.5	570.8	889.4	1694.7	2340.8
75°	885.0	774.4	690.3	606.2	544.3	491.2	446.9	407.1	371.7	424.8	584.1
77.5°	557.5	517.7	451.3	429.2	393.8	380.5	362.8	340.7	314.2	296.5	296.5
80°	376.1	349.6	327.4	323.0	309.7	305.3	309.7	287.6	261.1	238.9	247.8
82.5°	252.2	247.8	243.4	238.9	243.4	247.8	256.6	252.2	230.1	216.8	221.2
85°	150.4	159.3	168.1	177.0	194.7	172.6	141.6	119.5	106.2	97.3	92.9
87.5°	57.5	79.6	70.8	66.4	70.8	66.4	61.9	57.5	48.7	44.2	44.2
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: P533958

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0	13549.0
2.5°	14650.8	14739.2	14814.5	14796.8	14641.9	14433.9	14349.9	13920.6	13832.1	13774.6
5°	14849.9	15363.2	15473.8	15407.4	15004.7	14495.9	14000.3	13372.0	13004.7	12991.4
7.5°	14482.6	15115.4	15314.5	15464.9	14929.5	14044.5	13195.0	12252.5	12022.4	12040.1
10°	13549.0	14557.8	15049.0	15203.9	14588.8	13823.3	12646.3	11690.5	11199.4	11190.5
12.5°	13031.2	13823.3	13960.5	14177.3	13995.9	13221.5	12327.7	11256.9	10779.0	10770.1
15°	12571.1	13093.2	13133.0	13438.3	13535.7	13013.5	12411.8	11270.1	10885.2	10845.4
17.5°	12973.7	12610.9	12460.4	12500.3	12787.9	12978.1	12898.5	12022.4	11628.6	11407.3
20°	13243.6	12433.9	11978.1	12022.4	12363.1	13057.8	13624.2	13110.9	12487.0	12513.5
22.5°	13964.9	12460.4	11748.0	11699.4	12239.2	13473.7	14442.8	14487.0	13885.2	13739.2
25°	15044.6	12765.8	11677.2	11664.0	12181.7	13920.6	15398.6	16115.4	15500.3	15230.4
27.5°	15911.8	13243.6	11898.5	11942.7	12363.1	14283.5	16212.7	17164.1	16695.0	16363.2
30°	16672.9	13739.2	12208.2	12004.7	12849.8	14473.8	16562.3	18358.8	17982.7	17708.3
32.5°	16987.1	14442.8	12699.4	12363.1	13252.5	14703.8	17288.0	19518.1	19195.1	18518.1
35°	17518.1	14836.6	12964.9	12938.3	13956.0	15257.0	17628.7	20283.6	20150.9	19549.1
37.5°	17942.9	15234.8	13907.4	13615.3	14920.7	16186.2	18177.4	21341.2	21035.8	20752.6
40°	18270.3	15947.2	14787.9	15172.9	16106.5	17031.3	18681.8	21407.5	22288.1	21465.1
42.5°	17969.4	16584.4	16234.9	17155.2	18040.2	17996.0	18739.3	21920.8	22580.1	22150.9
45°	17894.2	17664.1	18522.5	19358.8	19562.4	18796.9	18327.8	21354.4	22491.6	22301.4
47.5°	17712.8	18726.1	20221.7	21584.5	21274.8	19332.3	17836.7	21252.7	22544.7	22204.0
50°	17650.8	18956.2	21478.3	22805.8	22619.9	19796.9	17606.6	20597.8	22168.6	22137.6
52.5°	17646.4	19429.6	22000.5	23469.5	23584.6	20531.4	17920.7	20929.6	22460.6	22721.7
55°	17845.5	19279.2	21934.1	23102.3	23058.0	20204.0	17956.1	21150.9	22819.1	23075.7
57.5°	16832.2	17270.3	18102.2	19026.9	18788.0	16734.9	16035.7	19553.5	20942.9	20757.1
60°	14535.7	13164.0	12225.9	12181.7	11717.1	11075.5	13124.2	17451.7	17451.7	17270.3
62.5°	12730.4	8641.8	7424.9	7079.8	7411.7	8150.6	12659.6	16973.8	16491.5	16283.5
65°	11133.0	6597.5	5367.4	5270.0	5845.3	6960.3	11447.1	14460.5	13610.9	12920.6
67.5°	7163.9	4832.0	3991.2	3818.7	4513.4	5110.7	7619.6	8894.0	8358.6	8088.7
70°	4619.6	3146.1	2221.3	2084.1	2354.0	3150.5	4867.4	5185.9	4407.2	4225.8
72.5°	2185.9	1358.4	778.8	641.6	721.3	1203.6	1924.8	2070.8	1721.3	1575.3
75°	694.7	500.0	318.6	274.3	261.1	309.7	442.5	340.7	247.8	243.4
77.5°	309.7	296.5	252.2	212.4	185.8	154.9	128.3	106.2	110.6	115.0
80°	256.6	234.5	208.0	185.8	154.9	119.5	92.9	70.8	70.8	75.2
82.5°	225.7	203.5	181.4	154.9	132.7	97.3	70.8	48.7	44.2	44.2
85°	97.3	115.0	123.9	132.7	106.2	79.6	48.7	31.0	26.5	26.5
87.5°	39.8	35.4	31.0	26.5	22.1	22.1	17.7	13.3	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)