

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: P648493

Luminaire Tested: **GALN-SA6B-835-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-835-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14606.1 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

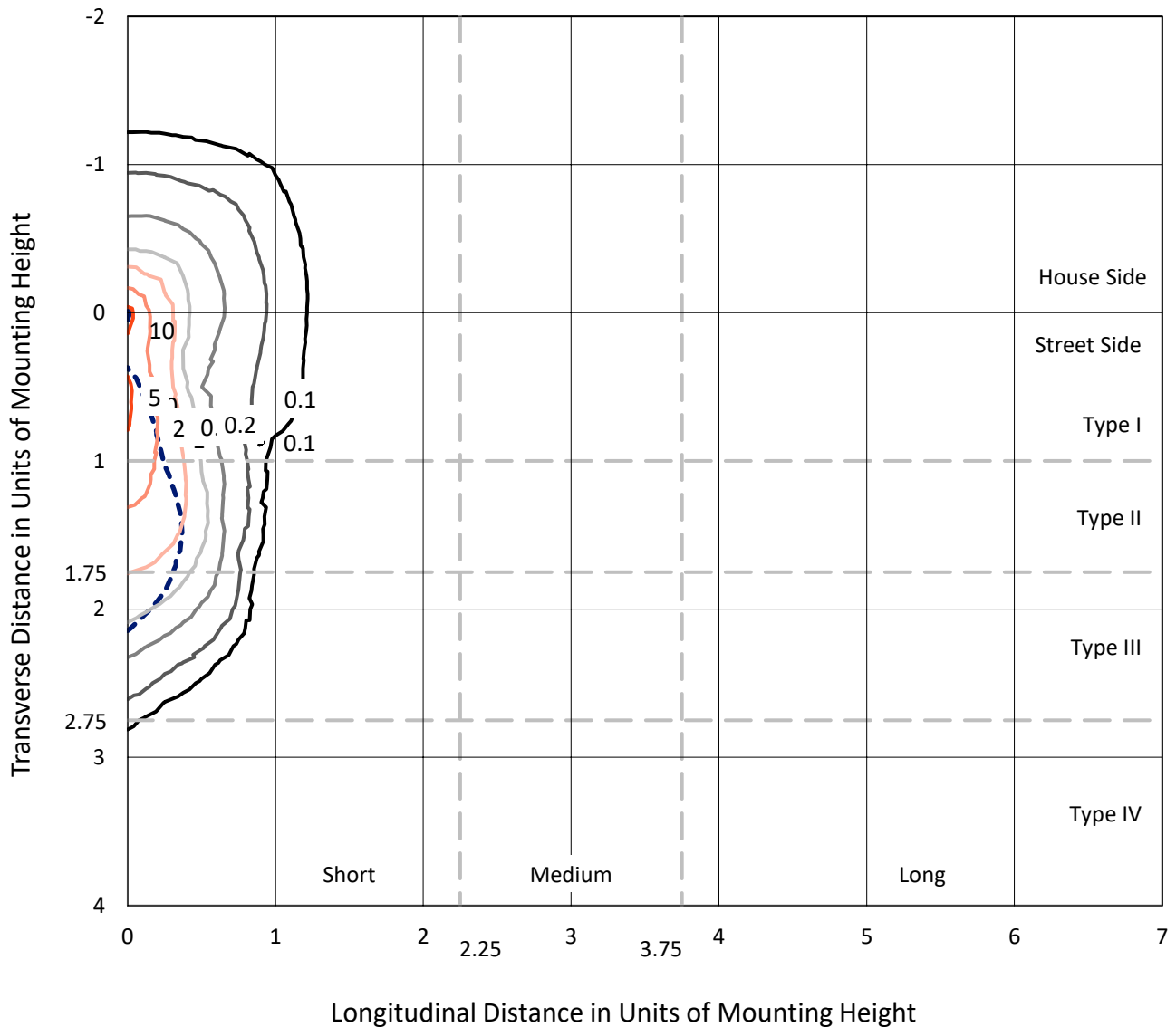
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

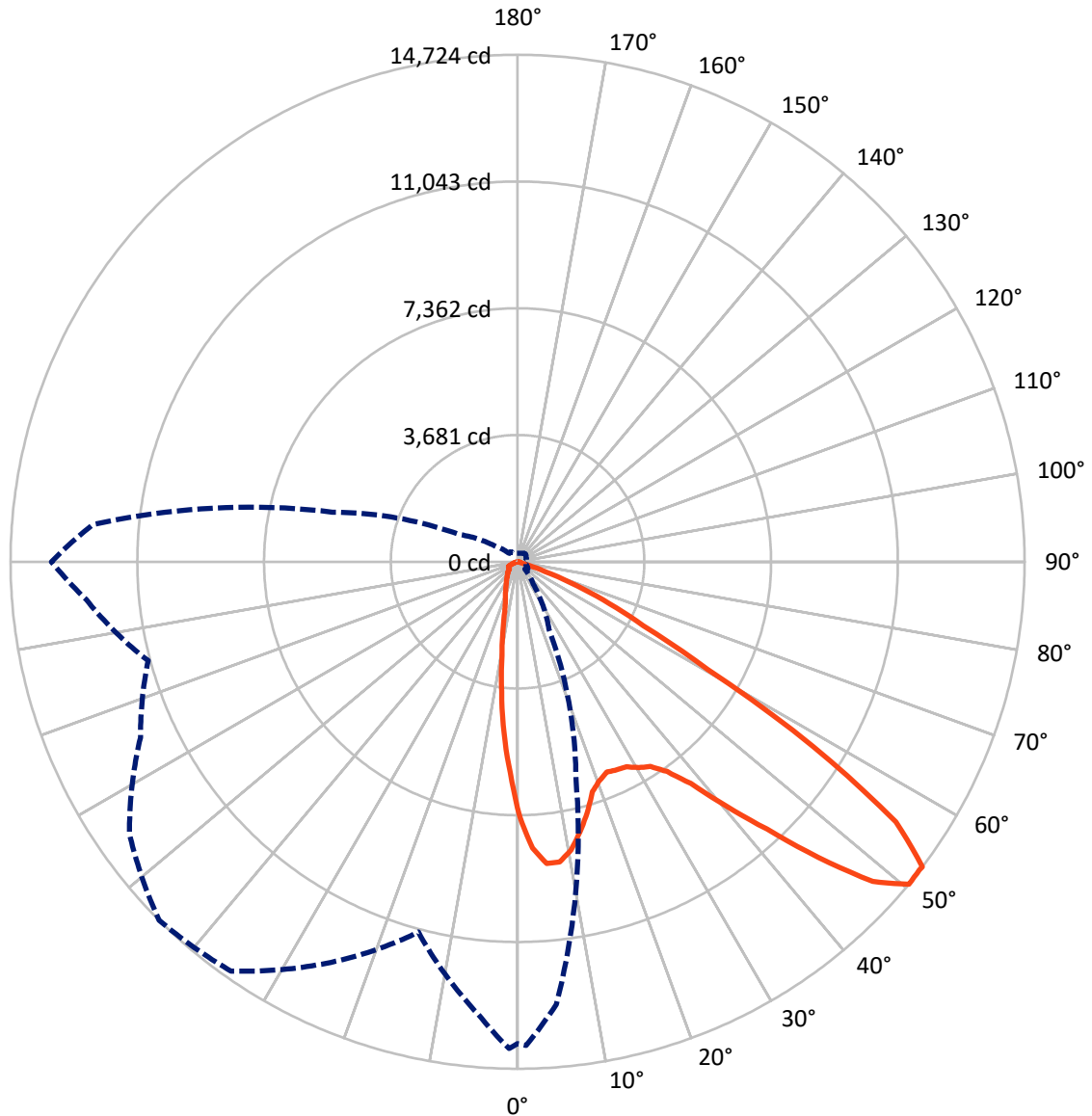
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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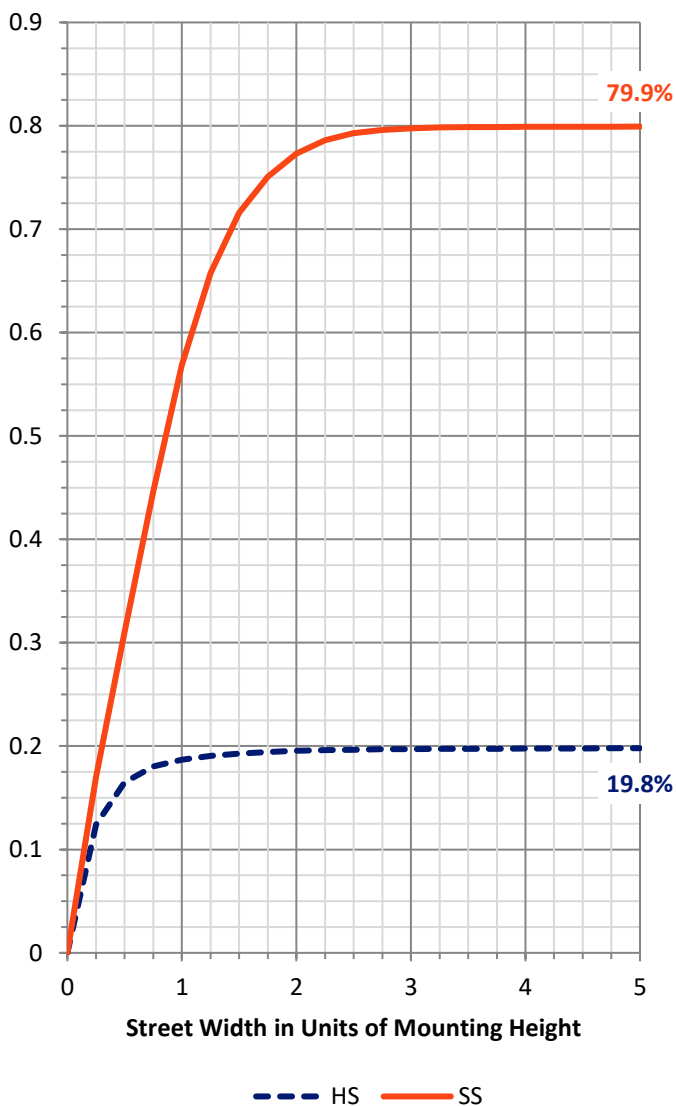
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2925.6	0.0	2925.6
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	11680.5	0.0	11680.5
	% Fixture	80.0	0.0	80.0
Total	Lumens	14606.1	0.0	14606.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.9	3.7
10°-20°	1073.0	7.3
20°-30°	1612.0	11.0
30°-40°	2419.6	16.6
40°-50°	3400.6	23.3
50°-60°	3668.1	25.1
60°-70°	1703.1	11.7
70°-80°	160.2	1.1
80°-90°	29.5	0.2
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°	14606.1	100.0
0°-180°	14606.1	100.0

Coefficient of Utilization

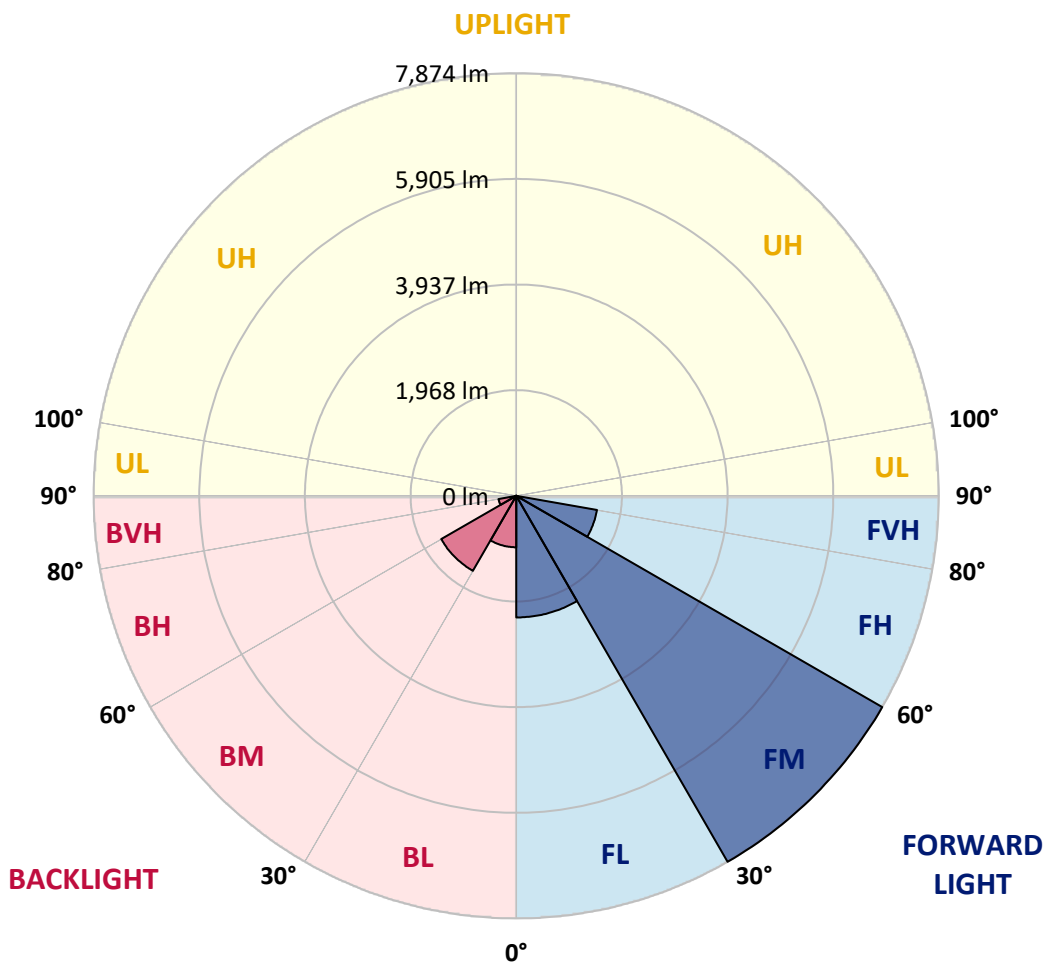


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2266.0	15.5			
FM (30°-60°)	7873.8	53.9			
FH (60°-80°)	1527.4	10.5			G1/1800
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	958.9	6.6	B2/1000		
BM (30°-60°)	1614.5	11.1	B2/2500		
BH (60°-80°)	335.9	2.3	B1/500		G1/500
BVH (80°-90°)	16.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1
2.5°	7699.8	7581.0	7430.3	7305.7	7120.2	6746.4	6644.9	6523.3	6421.9	6285.6	6094.3
5°	7001.4	6963.8	6894.2	6424.7	6085.6	5633.6	5262.6	5106.2	4900.4	4732.3	4610.6
7.5°	6468.2	6317.5	6097.2	5624.9	5083.0	4599.0	4187.5	3947.0	3674.6	3581.8	3416.7
10°	5897.3	5932.1	5607.5	4943.9	4289.0	3897.7	3642.7	3410.9	3164.6	3002.3	2767.5
12.5°	5714.7	5601.7	5352.5	4532.4	3973.1	3607.9	3297.8	3010.9	2750.1	2489.3	2263.3
15°	5833.5	5659.7	5312.0	4445.4	3729.7	3274.7	2886.4	2498.0	2257.5	1924.2	1689.5
17.5°	6259.5	6120.5	5653.9	4538.2	3605.0	2955.9	2379.2	1979.3	1611.3	1309.9	1191.0
20°	6969.6	6772.5	6187.1	4657.0	3419.6	2570.4	1930.0	1437.4	1089.6	962.2	895.4
22.5°	7665.0	7557.8	6818.8	4885.9	3254.4	2228.5	1448.9	967.9	814.3	791.1	747.7
25°	8989.4	8667.7	7783.9	5300.4	3126.9	1906.8	1092.5	779.6	689.7	672.3	678.1
27.5°	9777.6	9508.1	8676.4	5575.7	2984.9	1660.5	924.4	715.8	654.9	617.2	602.8
30°	10534.0	10221.0	9119.8	5737.9	2680.6	1399.7	820.1	686.8	672.3	617.2	599.9
32.5°	11116.5	10809.3	9760.3	5981.3	2555.9	1231.7	675.2	536.1	498.5	492.7	544.8
35°	12009.0	11681.6	10308.0	6114.7	2460.3	1144.7	585.4	478.2	434.7	417.3	420.2
37.5°	12840.7	12617.6	10815.1	6166.8	2358.9	1118.6	524.5	428.9	391.2	379.6	376.7
40°	13536.3	13037.8	11296.2	6221.9	2315.5	1069.3	486.9	391.2	365.1	347.7	347.7
42.5°	13855.0	13347.9	11835.2	6190.0	2303.8	991.1	486.9	359.3	339.0	321.7	318.8
45°	13785.5	13579.7	12075.7	6175.5	2303.8	912.8	443.4	350.6	321.7	298.5	292.7
47.5°	13965.1	13695.6	12377.1	6236.4	2257.5	857.8	373.8	368.0	304.3	275.3	269.5
50°	13997.1	14049.2	12901.6	6552.2	2156.1	788.2	292.7	362.2	292.7	249.2	243.4
52°	14205.7	13881.1	13061.0	6720.3	2048.9	736.1	246.3	310.1	281.1	231.8	226.1
52.5°	13918.8	14130.3	13098.7	6781.2	2060.5	701.3	237.6	304.3	275.3	231.8	217.4
55°	13597.1	13800.0	12945.1	6911.5	1889.5	550.6	185.5	220.3	249.2	202.9	194.2
57.5°	11817.8	12023.5	11249.8	6329.1	1538.8	388.3	153.6	165.2	220.3	188.4	179.7
60°	10505.0	10357.2	9441.5	5280.0	1092.5	217.4	121.7	127.5	240.5	173.9	171.0
62.5°	9600.8	9285.0	7891.1	4077.4	666.5	144.9	95.6	98.5	185.5	162.3	162.3
65°	7102.8	6749.3	5242.3	2466.1	327.5	101.4	72.4	78.2	115.9	139.1	139.1
67.5°	4054.2	3918.0	2532.8	1112.8	136.2	63.7	55.0	60.8	89.8	113.0	107.2
70°	1863.4	1672.1	973.7	234.7	63.7	43.5	43.5	49.3	72.4	84.0	78.2
72.5°	544.8	515.8	237.6	37.7	26.1	26.1	29.0	37.7	55.0	63.7	57.9
75°	40.6	26.1	17.4	11.6	11.6	17.4	23.2	37.7	55.0	60.8	49.3
77.5°	2.9	5.8	2.9	2.9	8.7	17.4	26.1	46.4	72.4	75.3	55.0
80°	2.9	2.9	0.0	2.9	8.7	17.4	29.0	52.1	81.1	86.9	46.4
82.5°	0.0	0.0	0.0	2.9	11.6	23.2	34.8	55.0	75.3	92.7	49.3
85°	0.0	0.0	0.0	2.9	17.4	31.9	40.6	14.5	8.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1
2.5°	6230.6	6155.2	6126.3	6152.3	6143.7	6135.0	6294.3	6259.5	6253.7	6305.9	6294.3
5°	4677.3	4544.0	4909.1	4761.3	4914.9	5007.6	5025.1	5033.8	5140.9	5028.0	5175.7
7.5°	3332.6	3367.4	3364.5	3463.1	3639.8	3796.3	3889.0	3816.6	3810.8	3796.3	3732.6
10°	2663.2	2602.4	2590.8	2567.5	2622.7	2755.9	2869.0	2779.1	2715.4	2802.3	2776.2
12.5°	2176.3	2092.3	2046.0	1953.2	1956.1	2046.0	2046.0	2046.0	2109.7	2159.0	2196.6
15°	1669.2	1599.7	1599.7	1507.0	1486.6	1489.5	1535.9	1541.7	1643.1	1672.1	1686.6
17.5°	1167.8	1130.2	1173.6	1211.3	1188.1	1193.9	1211.3	1217.1	1231.7	1220.0	1249.0
20°	898.3	892.5	904.1	970.8	1020.1	1049.1	1028.8	999.8	982.4	941.8	941.8
22.5°	762.2	773.8	794.0	849.1	912.8	930.2	907.0	840.4	788.2	782.5	785.3
25°	678.1	689.7	721.6	756.4	791.1	820.1	796.9	747.7	718.7	692.6	692.6
27.5°	625.9	631.7	649.1	675.2	704.2	727.4	718.7	692.6	660.7	649.1	623.0
30°	585.4	594.1	614.3	620.1	646.2	657.8	643.3	637.5	617.2	602.8	594.1
32.5°	565.1	562.2	576.7	582.5	585.4	594.1	576.7	585.4	582.5	559.3	550.6
35°	426.0	449.2	486.9	518.7	527.4	539.0	536.1	524.5	492.7	466.6	434.7
37.5°	382.5	397.0	417.3	443.4	478.2	492.7	486.9	457.9	420.2	402.8	397.0
40°	353.5	362.2	379.6	397.0	431.8	457.9	437.6	411.5	382.5	368.0	359.3
42.5°	327.5	330.3	339.0	356.4	382.5	423.1	388.3	353.5	341.9	333.2	327.5
45°	298.5	298.5	310.1	318.8	347.7	385.4	350.6	318.8	313.0	307.2	304.3
47.5°	275.3	278.2	284.0	295.6	318.8	344.8	321.7	295.6	281.1	278.2	272.4
50°	246.3	249.2	260.8	272.4	301.4	315.9	301.4	272.4	257.9	249.2	249.2
52°	223.2	231.8	243.4	266.6	286.9	310.1	292.7	260.8	243.4	234.7	228.9
52.5°	220.3	226.1	237.6	263.7	286.9	307.2	289.8	257.9	237.6	231.8	226.1
55°	197.1	205.8	226.1	257.9	284.0	307.2	284.0	255.0	226.1	211.6	205.8
57.5°	188.4	194.2	220.3	260.8	281.1	307.2	284.0	255.0	226.1	200.0	194.2
60°	179.7	191.3	220.3	252.1	278.2	310.1	286.9	252.1	220.3	188.4	188.4
62.5°	171.0	179.7	217.4	246.3	266.6	298.5	275.3	246.3	211.6	179.7	176.8
65°	147.8	162.3	191.3	205.8	228.9	257.9	234.7	214.5	185.5	159.4	156.5
67.5°	113.0	118.8	142.0	159.4	173.9	200.0	188.4	162.3	142.0	121.7	121.7
70°	78.2	84.0	101.4	110.1	124.6	139.1	130.4	110.1	95.6	84.0	81.1
72.5°	55.0	57.9	63.7	69.5	75.3	81.1	78.2	63.7	55.0	52.1	49.3
75°	43.5	49.3	52.1	49.3	46.4	43.5	43.5	37.7	31.9	29.0	29.0
77.5°	43.5	46.4	43.5	37.7	31.9	29.0	26.1	23.2	17.4	14.5	17.4
80°	37.7	37.7	37.7	31.9	29.0	26.1	23.2	20.3	17.4	14.5	14.5
82.5°	40.6	40.6	37.7	31.9	31.9	26.1	26.1	23.2	20.3	14.5	14.5
85°	0.0	0.0	0.0	5.8	14.5	26.1	26.1	23.2	20.3	17.4	17.4
87.5°	0.0	0.0	0.0	0.0	2.9	5.8	11.6	14.5	17.4	17.4	17.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1
2.5°	6398.7	6508.8	6717.4	6926.1	7053.6	7204.3	7476.7	7621.6	7810.0	7902.7	8085.3
5°	5155.4	5416.2	5509.0	5746.6	6001.6	6256.6	6662.4	7108.6	7479.6	7734.6	8065.0
7.5°	3761.5	3822.4	4181.7	4341.1	4758.4	5222.1	5775.6	6337.8	6807.2	7224.6	7476.7
10°	2819.7	3042.8	3268.9	3573.1	3909.3	4387.5	4917.8	5537.9	6146.6	6563.8	6882.6
12.5°	2266.2	2443.0	2744.3	3071.8	3486.2	3802.1	4335.3	4949.7	5737.9	6146.6	6566.7
15°	1715.6	1941.6	2283.5	2622.7	3060.2	3393.5	3932.5	4706.2	5720.5	6282.7	6644.9
17.5°	1272.2	1425.8	1732.9	2112.6	2558.8	3028.3	3755.7	4680.1	5914.7	6584.1	6958.0
20°	973.7	1025.9	1220.0	1559.1	2043.1	2657.4	3468.8	4793.2	6488.5	7317.3	7696.9
22.5°	788.2	811.4	886.7	1121.5	1591.0	2332.9	3332.6	4871.4	7134.7	8195.3	8702.5
25°	686.8	681.1	730.3	831.7	1243.2	2028.5	3158.8	5167.0	7925.8	9227.0	9682.0
27.5°	625.9	625.9	649.1	721.6	1031.7	1831.5	3048.6	5378.6	8722.8	10134.1	10380.4
30°	594.1	599.9	666.5	689.7	857.8	1596.8	2866.1	5593.0	9484.9	10713.6	11052.7
32.5°	550.6	527.4	512.9	570.9	721.6	1385.2	2683.5	5682.9	10102.2	11423.7	11713.4
35°	423.1	411.5	428.9	472.4	620.1	1205.5	2480.6	5784.3	10812.2	12246.7	12304.6
37.5°	382.5	379.6	391.2	428.9	521.6	1049.1	2335.8	5758.2	11354.1	12927.7	12771.2
40°	353.5	353.5	362.2	394.1	466.6	938.9	2185.0	5735.0	11878.7	13692.7	13234.9
42.5°	330.3	330.3	344.8	365.1	443.4	866.5	2072.1	5703.1	12319.1	14162.2	13507.3
45°	298.5	307.2	330.3	350.6	449.2	817.2	1988.0	5581.5	12469.8	14156.4	13376.9
47.5°	275.3	286.9	310.1	339.0	405.7	802.7	1930.0	5474.2	12417.7	13808.7	12968.3
50°	249.2	263.7	295.6	344.8	344.8	773.8	1869.2	5569.9	12380.0	13539.2	12577.0
52°	231.8	243.4	284.0	336.1	301.4	712.9	1831.5	5755.3	12533.6	13504.4	12403.2
52.5°	228.9	237.6	275.3	330.3	286.9	701.3	1805.4	5798.7	12582.8	13417.4	12522.0
55°	202.9	214.5	252.1	257.9	234.7	576.7	1721.3	5897.3	12339.4	13246.5	12409.0
57.5°	191.3	197.1	223.2	211.6	202.9	434.7	1480.8	5743.7	10960.0	11765.6	11545.4
60°	176.8	182.6	208.7	165.2	171.0	304.3	1112.8	4987.3	8801.0	9803.7	10200.8
62.5°	171.0	168.1	197.1	133.3	144.9	220.3	785.3	4054.2	6781.2	8070.8	8757.5
65°	150.7	147.8	142.0	113.0	124.6	171.0	469.5	2645.8	4778.7	6105.9	6482.7
67.5°	115.9	121.7	104.3	89.8	104.3	133.3	260.8	1185.2	2506.7	3663.0	3967.3
70°	81.1	86.9	84.0	78.2	92.7	110.1	150.7	405.7	1037.5	1924.2	2121.3
72.5°	49.3	60.8	63.7	66.6	81.1	95.6	107.2	130.4	275.3	681.1	846.2
75°	29.0	40.6	49.3	57.9	66.6	81.1	89.8	92.7	95.6	127.5	205.8
77.5°	20.3	29.0	43.5	55.0	66.6	81.1	95.6	101.4	95.6	89.8	95.6
80°	17.4	29.0	40.6	52.1	69.5	84.0	95.6	95.6	92.7	81.1	86.9
82.5°	17.4	29.0	43.5	55.0	66.6	81.1	92.7	95.6	86.9	81.1	84.0
85°	20.3	31.9	46.4	57.9	72.4	66.6	60.8	49.3	46.4	37.7	40.6
87.5°	20.3	29.0	29.0	31.9	34.8	34.8	34.8	31.9	26.1	23.2	23.2
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: P648493

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1	7407.1
2.5°	8093.9	8325.8	8317.1	8322.9	8288.1	8053.4	7940.3	7653.4	7734.6	7699.8
5°	8404.0	8633.0	8830.0	8806.8	8540.2	8221.4	7749.1	7302.8	7181.0	7001.4
7.5°	8093.9	8644.6	8827.2	8801.0	8406.9	7998.3	7244.9	6798.6	6587.0	6468.2
10°	7601.3	8238.8	8464.9	8511.2	8244.6	7624.5	6931.9	6216.1	6103.0	5897.3
12.5°	7320.2	7783.9	7922.9	8047.6	7954.8	7491.2	6694.3	6007.4	5851.0	5714.7
15°	7091.2	7366.5	7424.5	7566.5	7621.6	7372.3	6818.8	6233.5	5848.1	5833.5
17.5°	7302.8	7189.7	6978.3	7021.7	7195.6	7375.2	7140.5	6679.8	6305.9	6259.5
20°	7653.4	7155.0	6676.9	6784.1	6929.0	7479.6	7627.4	7302.8	7088.3	6969.6
22.5°	8056.3	7215.9	6581.2	6633.3	6908.6	7714.3	8415.6	8235.9	7836.0	7665.0
25°	8801.0	7383.9	6656.6	6691.4	7068.1	8041.8	9128.5	9261.8	9024.2	8989.4
27.5°	9528.4	7818.6	6821.7	6743.5	7149.2	8360.6	9560.3	10276.1	9858.8	9777.6
30°	9899.3	8172.2	7068.1	6934.8	7485.4	8554.7	9821.1	10936.8	10571.7	10534.0
32.5°	10467.4	8493.8	7259.3	7088.3	7673.7	8795.2	10308.0	11658.4	11304.9	11116.5
35°	10704.9	8844.5	7679.5	7479.6	8212.7	9131.4	10557.2	12301.7	12191.6	12009.0
37.5°	11162.8	9221.2	8175.1	8163.5	8864.8	9569.0	11006.4	13177.0	13156.6	12840.7
40°	11200.5	9632.7	8957.5	9322.6	9873.2	10331.1	11400.5	13420.3	13750.7	13536.3
42.5°	11258.4	10354.3	10310.9	10612.2	11084.6	10986.0	11415.0	13478.3	13982.6	13855.0
45°	11284.6	11075.9	11687.4	12243.8	12440.9	11843.9	11278.8	13368.2	14104.3	13785.5
47.5°	11075.9	11696.1	12800.2	13875.3	13933.3	12371.3	11220.8	13255.2	14176.7	13965.1
50°	11104.9	12084.4	13762.3	14724.4	14512.8	12837.8	11131.0	13185.6	14139.0	13997.1
52°	11035.4	12093.1	13898.5	14707.0	14559.3	12579.9	10977.3	12919.0	14104.3	14205.7
52.5°	11113.6	12040.9	13756.5	14718.6	14527.4	12707.5	10957.1	13066.8	14124.5	13918.8
55°	10844.1	11420.8	12924.8	13333.4	13304.4	11533.7	10334.0	12577.0	13594.2	13597.1
57.5°	9800.8	9899.3	10137.0	10128.3	9995.0	9067.6	8838.7	11565.7	12119.2	11817.8
60°	8635.9	7247.8	6607.3	6346.4	6198.7	6048.0	7818.6	10580.4	10632.5	10505.0
62.5°	7462.1	5025.1	4173.0	4100.6	4135.3	4685.9	7557.8	10189.2	9876.1	9600.8
65°	6021.9	3663.0	3031.2	2935.6	3274.7	3868.7	6117.6	7812.9	7331.8	7102.8
67.5°	3781.8	2671.9	2048.9	1869.2	2277.7	2663.2	4019.5	4909.1	4370.1	4054.2
70°	2243.0	1492.4	927.3	831.7	936.0	1420.0	2251.7	2448.8	2025.6	1863.4
72.5°	883.9	547.7	257.9	220.3	228.9	498.5	828.8	808.5	611.4	544.8
75°	237.6	165.2	89.8	72.4	60.8	92.7	133.3	86.9	31.9	40.6
77.5°	110.1	98.5	78.2	60.8	46.4	34.8	17.4	5.8	5.8	2.9
80°	95.6	84.0	72.4	60.8	46.4	29.0	14.5	2.9	2.9	2.9
82.5°	89.8	78.2	66.6	55.0	43.5	29.0	14.5	2.9	0.0	0.0
85°	37.7	49.3	55.0	52.1	46.4	29.0	14.5	2.9	0.0	0.0
87.5°	20.3	17.4	14.5	11.6	8.7	5.8	5.8	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

(END OF REPORT)