

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: P531123

Luminaire Tested: **GALN-SA6B-827-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531123
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-827-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 13713 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

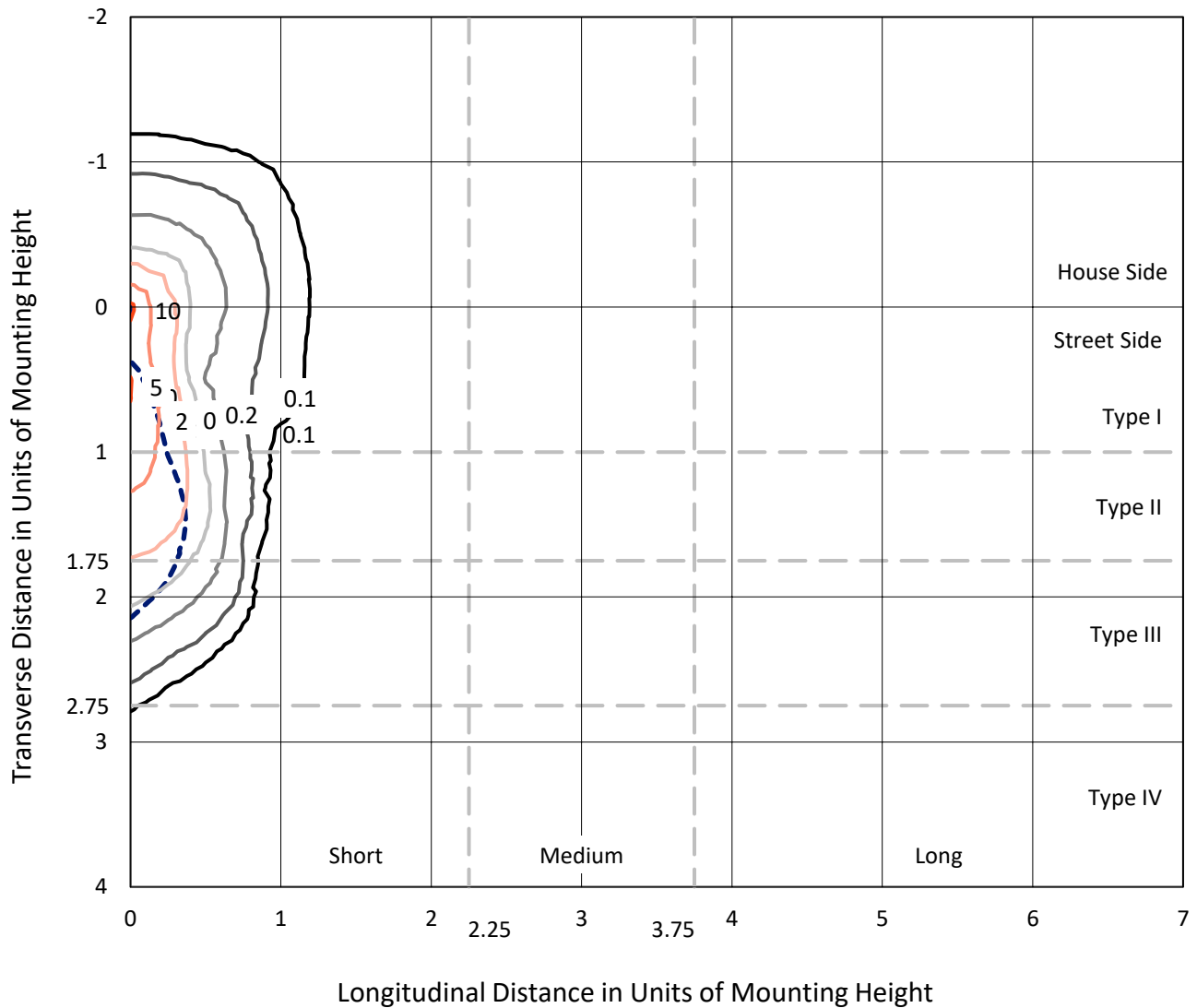
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

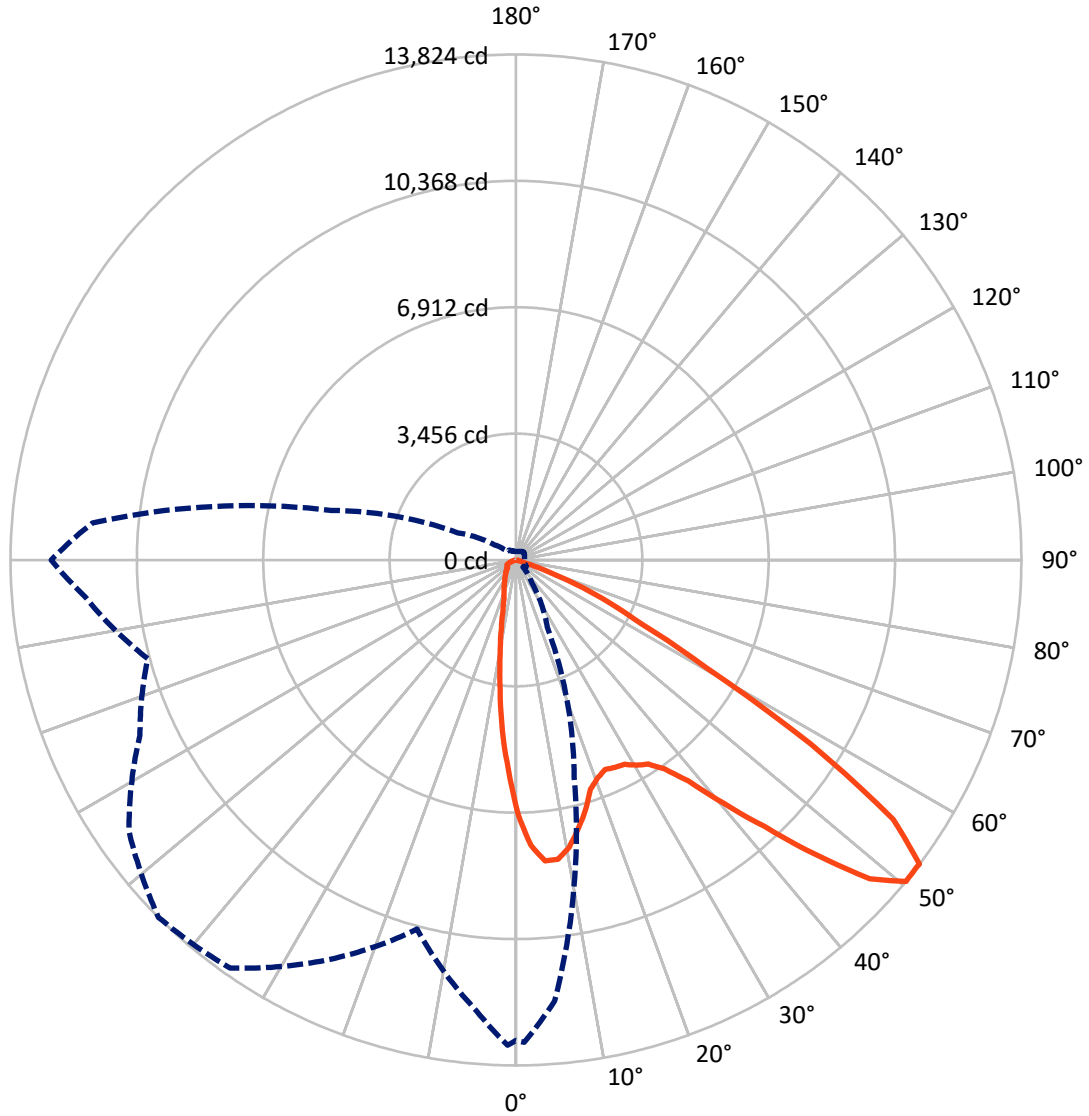
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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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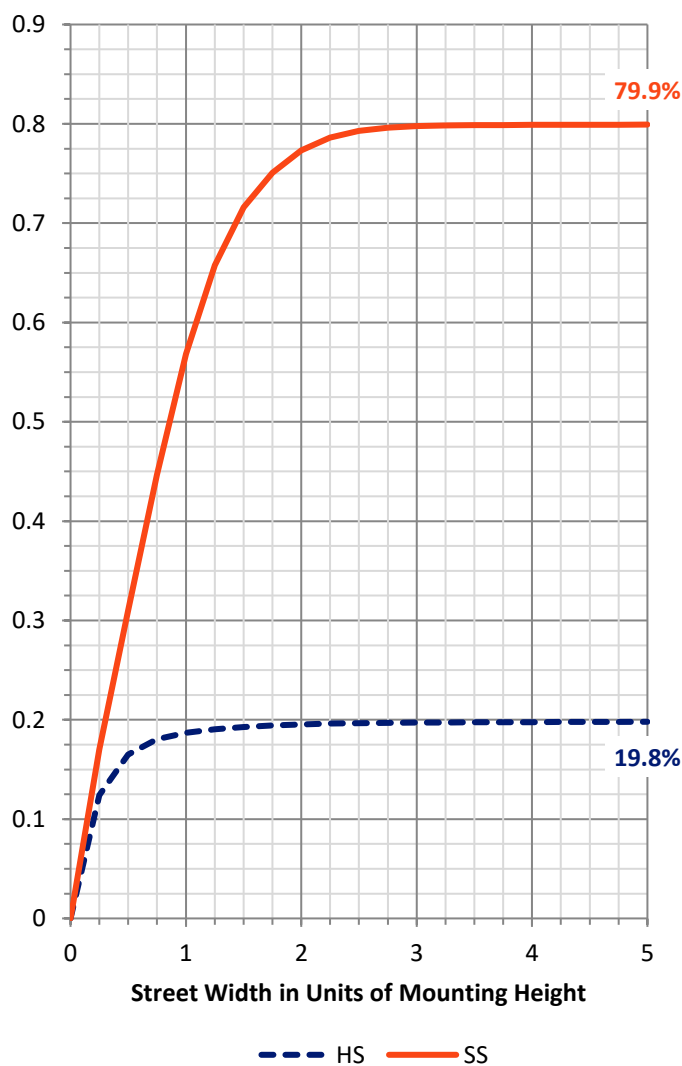
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2746.7	0.0	2746.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	10966.3	0.0	10966.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	13713.0	0.0	13713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.9	3.7
10°-20°	1007.4	7.3
20°-30°	1513.4	11.0
30°-40°	2271.6	16.6
40°-50°	3192.6	23.3
50°-60°	3443.8	25.1
60°-70°	1599.0	11.7
70°-80°	150.4	1.1
80°-90°	27.7	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°	13713.0	100.0
0°-180°	13713.0	100.0

Coefficient of Utilization

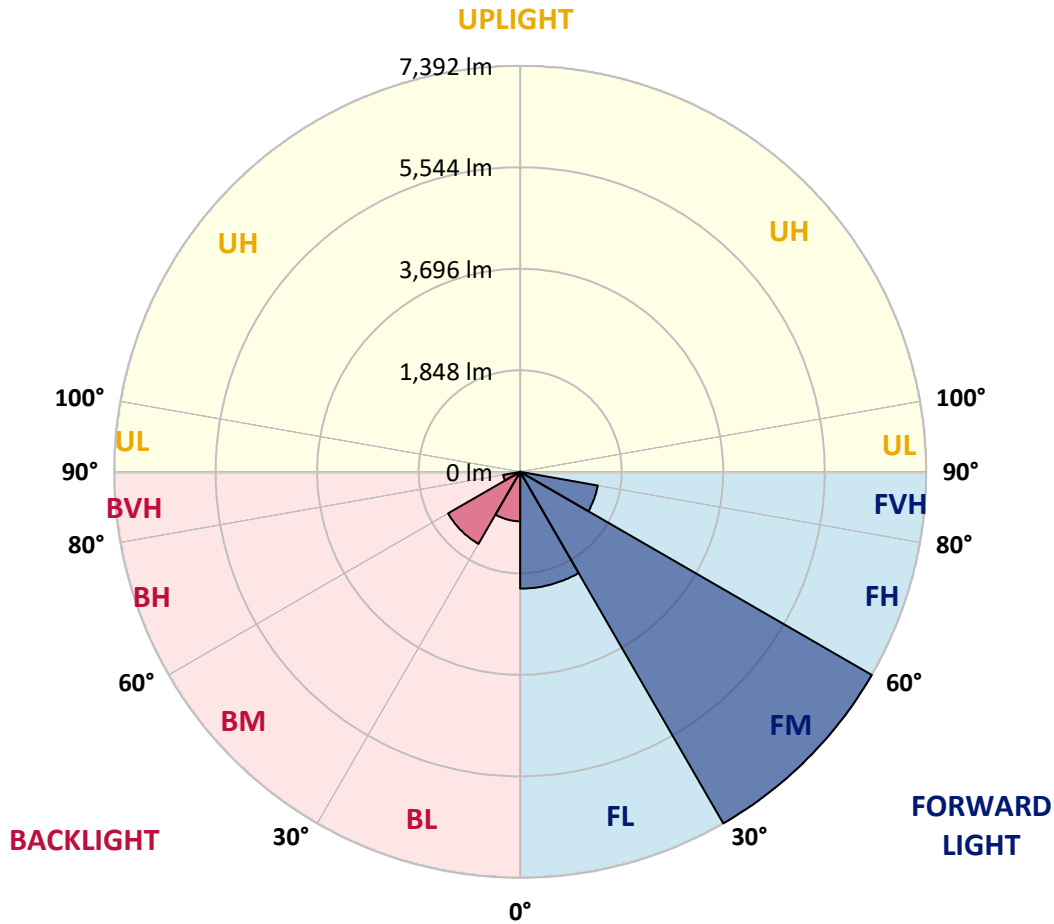


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2127.5	15.5			
FM (30°-60°)	7392.3	53.9			
FH (60°-80°)	1434.0	10.5			G1/1800
FVH (80°-90°)	12.5	0.1			G1/100
BL (0°-30°)	900.3	6.6	B2/1000		
BM (30°-60°)	1515.8	11.1	B2/2500		
BH (60°-80°)	315.4	2.3	B1/500		G1/500
BVH (80°-90°)	15.2	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°	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2
2.5°	7229.0	7117.5	6976.0	6859.0	6684.9	6333.9	6238.7	6124.4	6029.2	5901.3	5721.7
5°	6573.3	6537.9	6472.6	6031.9	5713.6	5289.1	4940.9	4793.9	4600.8	4443.0	4328.7
7.5°	6072.7	5931.2	5724.4	5281.0	4772.2	4317.8	3931.5	3705.7	3449.9	3362.8	3207.8
10°	5536.7	5569.4	5264.6	4641.6	4026.7	3659.4	3420.0	3202.3	2971.1	2818.7	2598.3
12.5°	5365.3	5259.2	5025.2	4255.2	3730.1	3387.3	3096.2	2826.9	2582.0	2337.1	2124.9
15°	5476.9	5313.6	4987.1	4173.6	3501.6	3074.4	2709.9	2345.3	2119.5	1806.6	1586.2
17.5°	5876.8	5746.2	5308.2	4260.7	3384.6	2775.2	2233.7	1858.3	1512.7	1229.8	1118.2
20°	6543.4	6358.4	5808.8	4372.2	3210.5	2413.3	1812.0	1349.5	1023.0	903.3	840.7
22.5°	7196.4	7095.7	6401.9	4587.2	3055.4	2092.3	1360.4	908.7	764.5	742.8	702.0
25°	8439.7	8137.7	7307.9	4976.2	2935.7	1790.2	1025.7	731.9	647.5	631.2	636.7
27.5°	9179.8	8926.8	8145.9	5234.7	2802.4	1559.0	867.9	672.0	614.9	579.5	565.9
30°	9889.9	9596.1	8562.2	5387.1	2516.7	1314.1	770.0	644.8	631.2	579.5	563.2
32.5°	10436.8	10148.4	9163.5	5615.6	2399.7	1156.3	633.9	503.3	468.0	462.5	511.5
35°	11274.8	10967.3	9677.7	5740.8	2309.9	1074.7	549.6	448.9	408.1	391.8	394.5
37.5°	12055.6	11846.1	10153.8	5789.7	2214.7	1050.2	492.5	402.7	367.3	356.4	353.7
40°	12708.6	12240.6	10605.5	5841.4	2173.9	1004.0	457.1	367.3	342.8	326.5	326.5
42.5°	13007.9	12531.7	11111.5	5811.5	2163.0	930.5	457.1	337.4	318.3	302.0	299.3
45°	12942.6	12749.4	11337.3	5797.9	2163.0	857.0	416.3	329.2	302.0	280.2	274.8
47.5°	13111.3	12858.2	11620.3	5855.0	2119.5	805.3	351.0	345.5	285.7	258.5	253.0
50°	13141.2	13190.2	12112.7	6151.6	2024.2	740.0	274.8	340.1	274.8	234.0	228.5
52°	13337.1	13032.4	12262.4	6309.4	1923.6	691.1	231.3	291.1	263.9	217.7	212.2
52.5°	13067.7	13266.3	12297.8	6366.5	1934.4	658.4	223.1	285.7	258.5	217.7	204.1
55°	12765.7	12956.2	12153.6	6489.0	1773.9	516.9	174.1	206.8	234.0	190.5	182.3
57.5°	11095.2	11288.4	10561.9	5942.1	1444.7	364.6	144.2	155.1	206.8	176.8	168.7
60°	9862.7	9723.9	8864.2	4957.2	1025.7	204.1	114.3	119.7	225.8	163.2	160.5
62.5°	9013.8	8717.3	7408.6	3828.1	625.8	136.0	89.8	92.5	174.1	152.4	152.4
65°	6668.5	6336.6	4921.8	2315.4	307.4	95.2	68.0	73.5	108.8	130.6	130.6
67.5°	3806.3	3678.4	2377.9	1044.8	127.9	59.9	51.7	57.1	84.3	106.1	100.7
70°	1749.4	1569.9	914.2	220.4	59.9	40.8	40.8	46.3	68.0	78.9	73.5
72.5°	511.5	484.3	223.1	35.4	24.5	24.5	27.2	35.4	51.7	59.9	54.4
75°	38.1	24.5	16.3	10.9	10.9	16.3	21.8	35.4	51.7	57.1	46.3
77.5°	2.7	5.4	2.7	2.7	8.2	16.3	24.5	43.5	68.0	70.7	51.7
80°	2.7	2.7	0.0	2.7	8.2	16.3	27.2	49.0	76.2	81.6	43.5
82.5°	0.0	0.0	0.0	2.7	10.9	21.8	32.6	51.7	70.7	87.1	46.3
85°	0.0	0.0	0.0	2.7	16.3	29.9	38.1	13.6	8.2	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°	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2
2.5°	5849.6	5778.9	5751.7	5776.1	5768.0	5759.8	5909.5	5876.8	5871.4	5920.3	5909.5
5°	4391.3	4266.1	4608.9	4470.2	4614.4	4701.4	4717.8	4725.9	4826.6	4720.5	4859.2
7.5°	3128.9	3161.5	3158.8	3251.3	3417.3	3564.2	3651.2	3583.2	3577.8	3564.2	3504.3
10°	2500.4	2443.2	2432.3	2410.6	2462.3	2587.4	2693.5	2609.2	2549.3	2631.0	2606.5
12.5°	2043.3	1964.4	1920.8	1833.8	1836.5	1920.8	1920.8	1920.8	1980.7	2027.0	2062.3
15°	1567.1	1501.9	1501.9	1414.8	1395.7	1398.5	1442.0	1447.4	1542.7	1569.9	1583.5
17.5°	1096.5	1061.1	1101.9	1137.3	1115.5	1120.9	1137.3	1142.7	1156.3	1145.4	1172.6
20°	843.4	838.0	848.9	911.4	957.7	984.9	965.9	938.7	922.3	884.2	884.2
22.5°	715.6	726.4	745.5	797.2	857.0	873.4	851.6	789.0	740.0	734.6	737.3
25°	636.7	647.5	677.5	710.1	742.8	770.0	748.2	702.0	674.7	650.3	650.3
27.5°	587.7	593.1	609.4	633.9	661.1	682.9	674.7	650.3	620.3	609.4	585.0
30°	549.6	557.8	576.8	582.2	606.7	617.6	604.0	598.6	579.5	565.9	557.8
32.5°	530.5	527.8	541.4	546.9	549.6	557.8	541.4	549.6	546.9	525.1	516.9
35°	399.9	421.7	457.1	487.0	495.2	506.1	503.3	492.5	462.5	438.0	408.1
37.5°	359.1	372.7	391.8	416.3	448.9	462.5	457.1	429.9	394.5	378.2	372.7
40°	331.9	340.1	356.4	372.7	405.4	429.9	410.8	386.3	359.1	345.5	337.4
42.5°	307.4	310.2	318.3	334.7	359.1	397.2	364.6	331.9	321.0	312.9	307.4
45°	280.2	280.2	291.1	299.3	326.5	361.9	329.2	299.3	293.8	288.4	285.7
47.5°	258.5	261.2	266.6	277.5	299.3	323.8	302.0	277.5	263.9	261.2	255.7
50°	231.3	234.0	244.9	255.7	283.0	296.6	283.0	255.7	242.1	234.0	234.0
52°	209.5	217.7	228.5	250.3	269.4	291.1	274.8	244.9	228.5	220.4	214.9
52.5°	206.8	212.2	223.1	247.6	269.4	288.4	272.1	242.1	223.1	217.7	212.2
55°	185.0	193.2	212.2	242.1	266.6	288.4	266.6	239.4	212.2	198.6	193.2
57.5°	176.8	182.3	206.8	244.9	263.9	288.4	266.6	239.4	212.2	187.7	182.3
60°	168.7	179.6	206.8	236.7	261.2	291.1	269.4	236.7	206.8	176.8	176.8
62.5°	160.5	168.7	204.1	231.3	250.3	280.2	258.5	231.3	198.6	168.7	166.0
65°	138.8	152.4	179.6	193.2	214.9	242.1	220.4	201.3	174.1	149.6	146.9
67.5°	106.1	111.6	133.3	149.6	163.2	187.7	176.8	152.4	133.3	114.3	114.3
70°	73.5	78.9	95.2	103.4	117.0	130.6	122.4	103.4	89.8	78.9	76.2
72.5°	51.7	54.4	59.9	65.3	70.7	76.2	73.5	59.9	51.7	49.0	46.3
75°	40.8	46.3	49.0	46.3	43.5	40.8	40.8	35.4	29.9	27.2	27.2
77.5°	40.8	43.5	40.8	35.4	29.9	27.2	24.5	21.8	16.3	13.6	16.3
80°	35.4	35.4	35.4	29.9	27.2	24.5	21.8	19.0	16.3	13.6	13.6
82.5°	38.1	38.1	35.4	29.9	29.9	24.5	24.5	21.8	19.0	13.6	13.6
85°	0.0	0.0	0.0	5.4	13.6	24.5	24.5	21.8	19.0	16.3	16.3
87.5°	0.0	0.0	0.0	0.0	2.7	5.4	10.9	13.6	16.3	16.3	16.3
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°	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2
2.5°	6007.4	6110.8	6306.7	6502.6	6622.3	6763.8	7019.5	7155.6	7332.4	7419.5	7590.9
5°	4840.2	5085.1	5172.1	5395.2	5634.7	5874.1	6255.0	6674.0	7022.2	7261.7	7571.8
7.5°	3531.5	3588.7	3926.0	4075.7	4467.5	4902.8	5422.4	5950.3	6391.0	6782.8	7019.5
10°	2647.3	2856.8	3069.0	3354.7	3670.3	4119.2	4617.1	5199.3	5770.7	6162.5	6461.8
12.5°	2127.6	2293.6	2576.5	2884.0	3273.1	3569.6	4070.2	4647.0	5387.1	5770.7	6165.2
15°	1610.7	1822.9	2143.9	2462.3	2873.1	3186.0	3692.0	4418.5	5370.7	5898.6	6238.7
17.5°	1194.4	1338.6	1627.0	1983.4	2402.4	2843.2	3526.1	4394.0	5553.0	6181.5	6532.5
20°	914.2	963.1	1145.4	1463.8	1918.1	2494.9	3256.7	4500.1	6091.7	6869.9	7226.3
22.5°	740.0	761.8	832.5	1052.9	1493.7	2190.2	3128.9	4573.6	6698.5	7694.3	8170.4
25°	644.8	639.4	685.6	780.9	1167.2	1904.5	2965.6	4851.1	7441.2	8662.8	9090.0
27.5°	587.7	587.7	609.4	677.5	968.6	1719.5	2862.2	5049.7	8189.4	9514.4	9745.7
30°	557.8	563.2	625.8	647.5	805.3	1499.1	2690.8	5251.0	8905.0	10058.6	10376.9
32.5°	516.9	495.2	481.6	536.0	677.5	1300.5	2519.4	5335.4	9484.5	10725.2	10997.2
35°	397.2	386.3	402.7	443.5	582.2	1131.8	2329.0	5430.6	10151.1	11497.9	11552.3
37.5°	359.1	356.4	367.3	402.7	489.7	984.9	2192.9	5406.1	10659.9	12137.2	11990.3
40°	331.9	331.9	340.1	370.0	438.0	881.5	2051.4	5384.4	11152.3	12855.5	12425.6
42.5°	310.2	310.2	323.8	342.8	416.3	813.5	1945.3	5354.4	11565.9	13296.3	12681.4
45°	280.2	288.4	310.2	329.2	421.7	767.2	1866.4	5240.2	11707.4	13290.8	12559.0
47.5°	258.5	269.4	291.1	318.3	380.9	753.6	1812.0	5139.5	11658.4	12964.3	12175.3
50°	234.0	247.6	277.5	323.8	323.8	726.4	1754.9	5229.3	11623.0	12711.3	11808.0
52°	217.7	228.5	266.6	315.6	283.0	669.3	1719.5	5403.4	11767.2	12678.7	11644.8
52.5°	214.9	223.1	258.5	310.2	269.4	658.4	1695.0	5444.2	11813.5	12597.0	11756.3
55°	190.5	201.3	236.7	242.1	220.4	541.4	1616.1	5536.7	11584.9	12436.5	11650.2
57.5°	179.6	185.0	209.5	198.6	190.5	408.1	1390.3	5392.5	10289.9	11046.2	10839.4
60°	166.0	171.4	195.9	155.1	160.5	285.7	1044.8	4682.4	8262.9	9204.3	9577.0
62.5°	160.5	157.8	185.0	125.2	136.0	206.8	737.3	3806.3	6366.5	7577.3	8222.1
65°	141.5	138.8	133.3	106.1	117.0	160.5	440.8	2484.0	4486.5	5732.6	6086.3
67.5°	108.8	114.3	97.9	84.3	97.9	125.2	244.9	1112.8	2353.4	3439.0	3724.7
70°	76.2	81.6	78.9	73.5	87.1	103.4	141.5	380.9	974.0	1806.6	1991.6
72.5°	46.3	57.1	59.9	62.6	76.2	89.8	100.7	122.4	258.5	639.4	794.5
75°	27.2	38.1	46.3	54.4	62.6	76.2	84.3	87.1	89.8	119.7	193.2
77.5°	19.0	27.2	40.8	51.7	62.6	76.2	89.8	95.2	89.8	84.3	89.8
80°	16.3	27.2	38.1	49.0	65.3	78.9	89.8	89.8	87.1	76.2	81.6
82.5°	16.3	27.2	40.8	51.7	62.6	76.2	87.1	89.8	81.6	76.2	78.9
85°	19.0	29.9	43.5	54.4	68.0	62.6	57.1	46.3	43.5	35.4	38.1
87.5°	19.0	27.2	27.2	29.9	32.6	32.6	32.6	29.9	24.5	21.8	21.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2	6954.2
2.5°	7599.0	7816.7	7808.5	7814.0	7781.3	7560.9	7454.8	7185.5	7261.7	7229.0
5°	7890.2	8105.1	8290.1	8268.3	8018.0	7718.7	7275.3	6856.3	6742.0	6573.3
7.5°	7599.0	8116.0	8287.4	8262.9	7892.9	7509.3	6801.9	6382.9	6184.2	6072.7
10°	7136.5	7735.1	7947.3	7990.8	7740.5	7158.3	6508.0	5836.0	5729.9	5536.7
12.5°	6872.6	7307.9	7438.5	7555.5	7468.4	7033.1	6284.9	5640.1	5493.2	5365.3
15°	6657.7	6916.1	6970.5	7103.9	7155.6	6921.6	6401.9	5852.3	5490.5	5476.9
17.5°	6856.3	6750.2	6551.5	6592.4	6755.6	6924.3	6703.9	6271.3	5920.3	5876.8
20°	7185.5	6717.5	6268.6	6369.3	6505.3	7022.2	7161.0	6856.3	6654.9	6543.4
22.5°	7563.7	6774.7	6178.8	6227.8	6486.3	7242.6	7901.0	7732.4	7356.9	7196.4
25°	8262.9	6932.5	6249.5	6282.2	6635.9	7550.1	8570.3	8695.5	8472.4	8439.7
27.5°	8945.8	7340.6	6404.6	6331.2	6712.1	7849.3	8975.7	9647.8	9256.0	9179.8
30°	9294.1	7672.5	6635.9	6510.7	7027.7	8031.6	9220.6	10268.1	9925.3	9889.9
32.5°	9827.3	7974.5	6815.5	6654.9	7204.5	8257.5	9677.7	10945.5	10613.6	10436.8
35°	10050.4	8303.7	7210.0	7022.2	7710.6	8573.1	9911.7	11549.6	11446.2	11274.8
37.5°	10480.3	8657.4	7675.2	7664.3	8322.8	8983.9	10333.4	12371.2	12352.2	12055.6
40°	10515.7	9043.8	8409.8	8752.6	9269.6	9699.4	10703.4	12599.8	12909.9	12708.6
42.5°	10570.1	9721.2	9680.4	9963.4	10406.8	10314.3	10717.0	12654.2	13127.6	13007.9
45°	10594.6	10398.7	10972.8	11495.1	11680.2	11119.7	10589.1	12550.8	13241.9	12942.6
47.5°	10398.7	10980.9	12017.5	13026.9	13081.3	11614.9	10534.7	12444.7	13309.9	13111.3
50°	10425.9	11345.5	12920.8	13824.1	13625.5	12052.9	10450.4	12379.4	13274.5	13141.2
52°	10360.6	11353.7	13048.7	13807.8	13669.0	11810.7	10306.2	12129.1	13241.9	13337.1
52.5°	10434.1	11304.7	12915.4	13818.7	13639.1	11930.5	10287.1	12267.8	13260.9	13067.7
55°	10181.0	10722.4	12134.5	12518.1	12490.9	10828.6	9702.2	11808.0	12763.0	12765.7
57.5°	9201.6	9294.1	9517.2	9509.0	9383.8	8513.2	8298.3	10858.5	11378.1	11095.2
60°	8107.8	6804.6	6203.3	5958.4	5819.7	5678.2	7340.6	9933.4	9982.4	9862.7
62.5°	7005.9	4717.8	3917.9	3849.9	3882.5	4399.4	7095.7	9566.1	9272.3	9013.8
65°	5653.7	3439.0	2845.9	2756.1	3074.4	3632.2	5743.5	7335.1	6883.5	6668.5
67.5°	3550.6	2508.5	1923.6	1754.9	2138.5	2500.4	3773.7	4608.9	4102.9	3806.3
70°	2105.9	1401.2	870.6	780.9	878.8	1333.2	2114.0	2299.0	1901.8	1749.4
72.5°	829.8	514.2	242.1	206.8	214.9	468.0	778.1	759.1	574.1	511.5
75°	223.1	155.1	84.3	68.0	57.1	87.1	125.2	81.6	29.9	38.1
77.5°	103.4	92.5	73.5	57.1	43.5	32.6	16.3	5.4	5.4	2.7
80°	89.8	78.9	68.0	57.1	43.5	27.2	13.6	2.7	2.7	2.7
82.5°	84.3	73.5	62.6	51.7	40.8	27.2	13.6	2.7	0.0	0.0
85°	35.4	46.3	51.7	49.0	43.5	27.2	13.6	2.7	0.0	0.0
87.5°	19.0	16.3	13.6	10.9	8.2	5.4	5.4	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)