

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: P531097

Luminaire Tested: **GALN-SA6B-760-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531097  
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-760-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5700K, 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: 18654 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

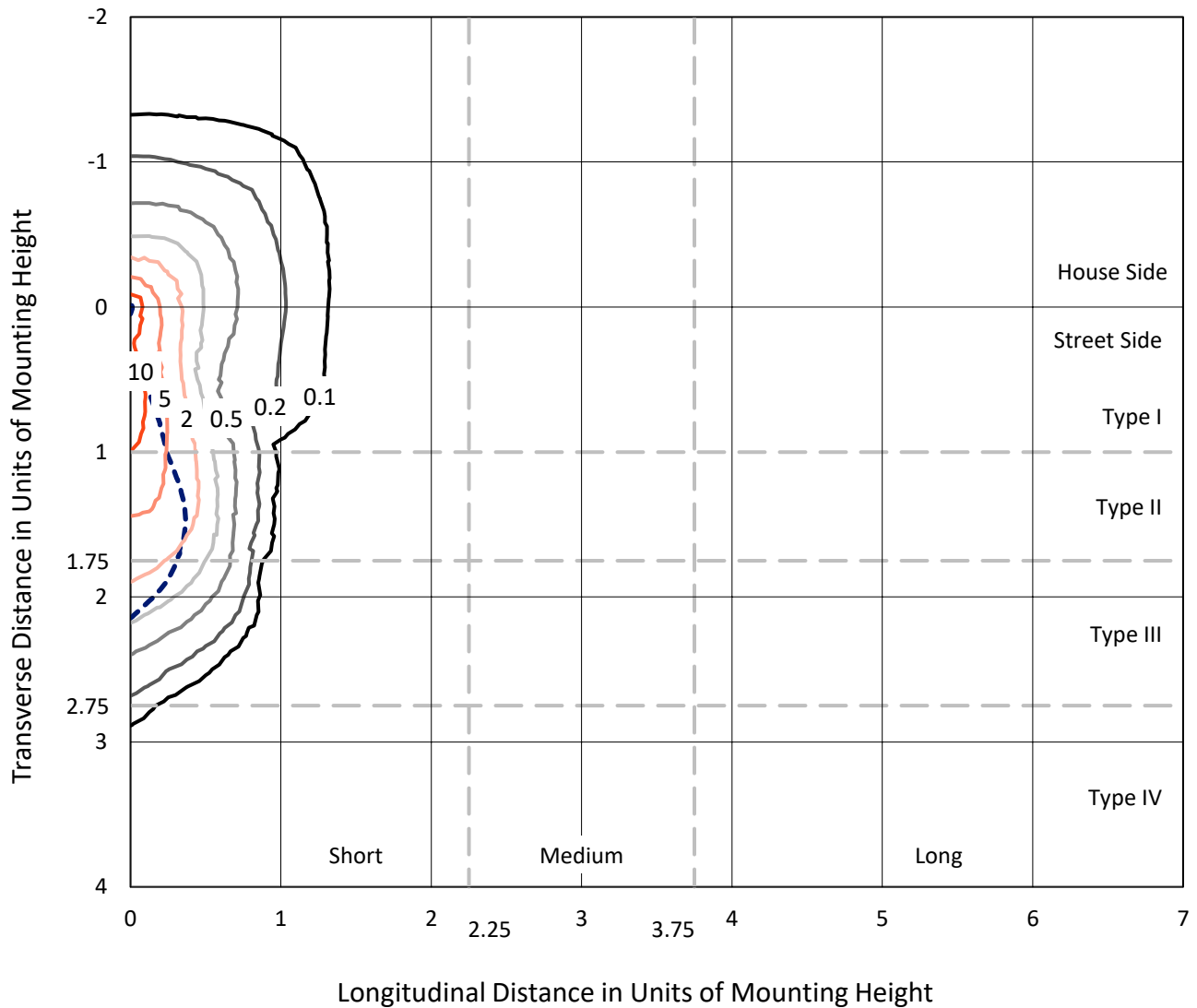
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

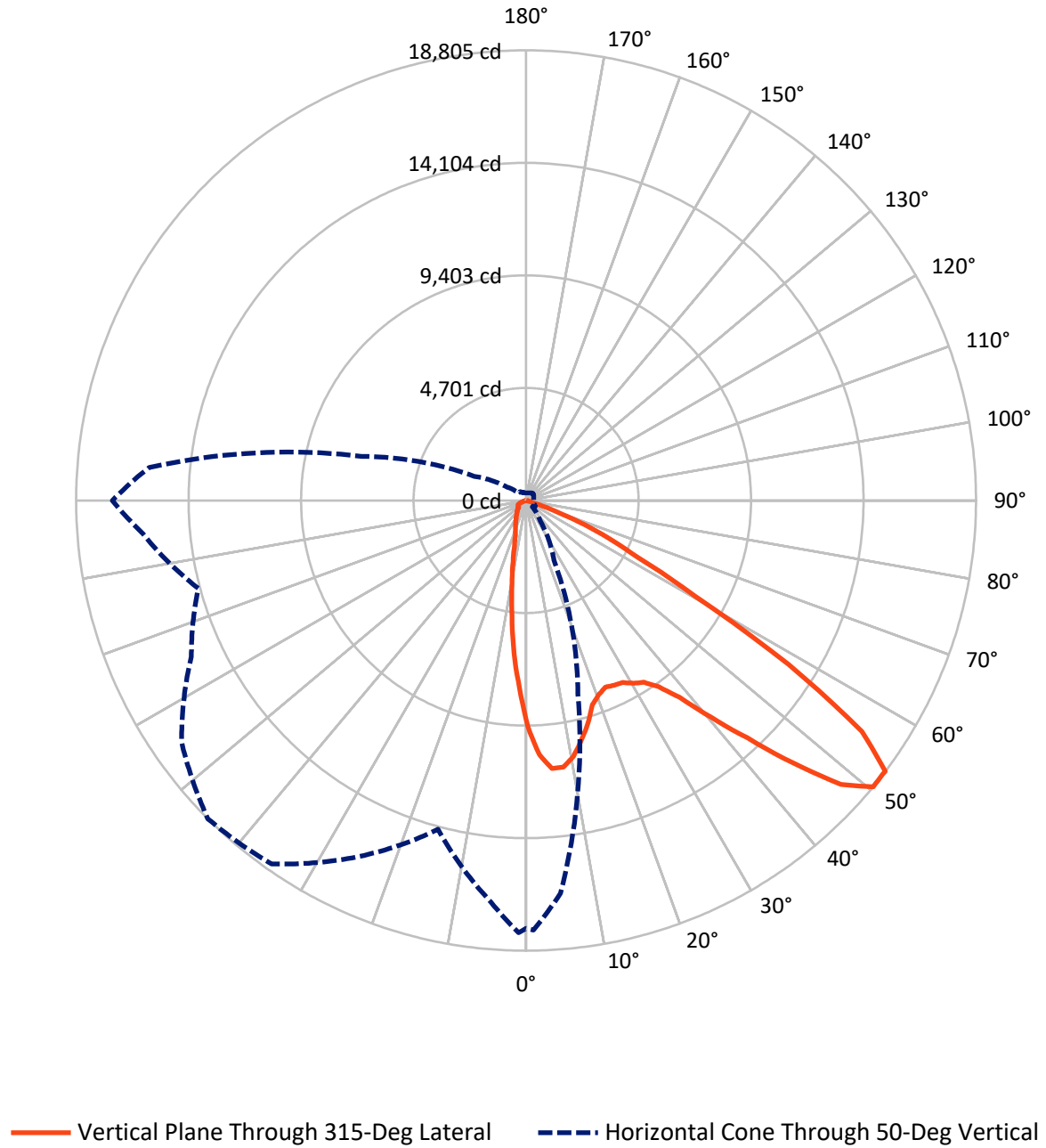
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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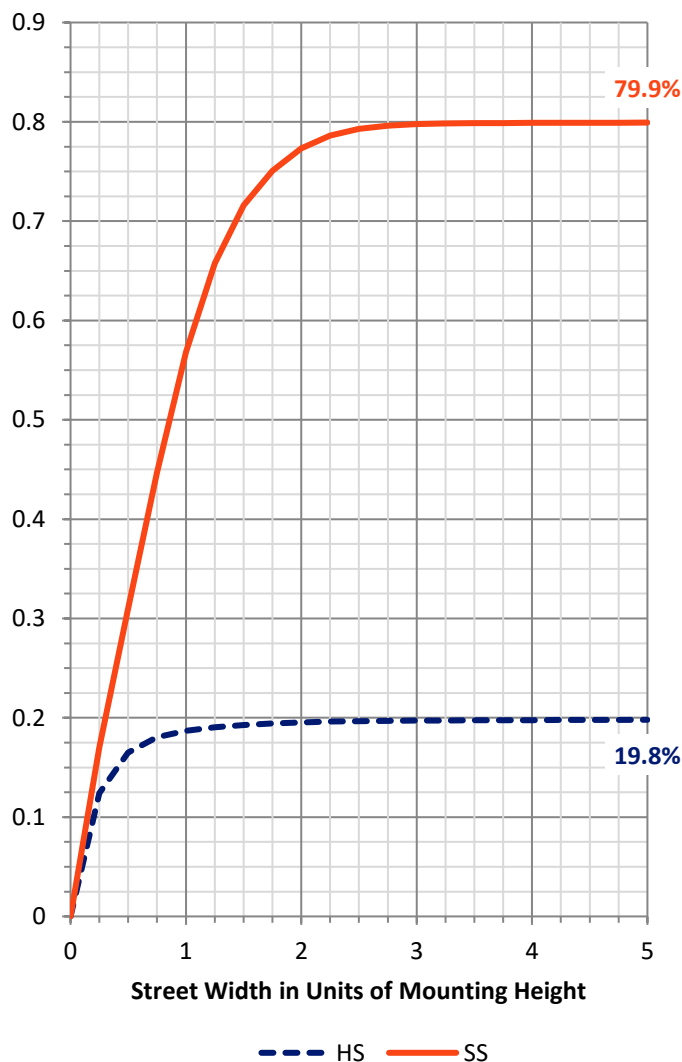
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3736.4	0.0	3736.4
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	14917.6	0.0	14917.6
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	18654.0	0.0	18654.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.5	3.7
10°-20°	1370.4	7.3
20°-30°	2058.8	11.0
30°-40°	3090.2	16.6
40°-50°	4343.0	23.3
50°-60°	4684.7	25.1
60°-70°	2175.1	11.7
70°-80°	204.6	1.1
80°-90°	37.7	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°	18654.0	100.0
0°-180°	18654.0	100.0

**Coefficient of Utilization**



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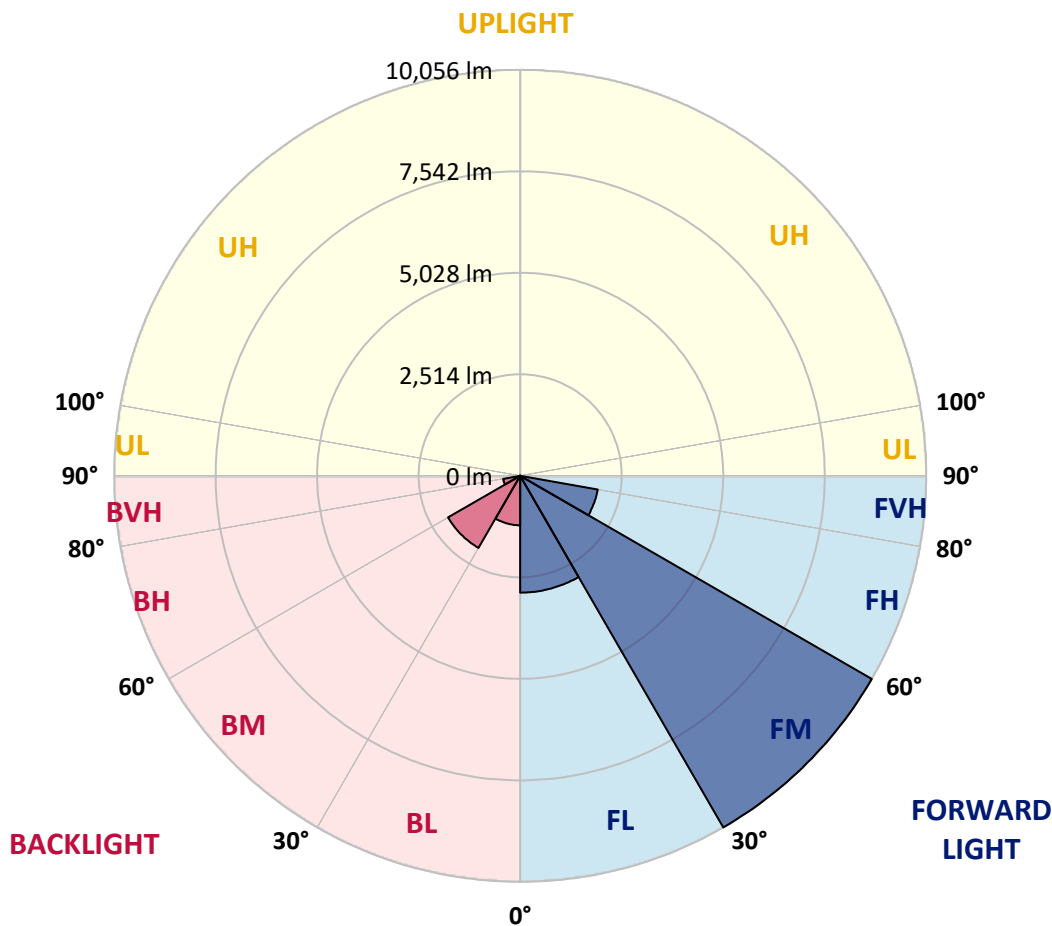
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2894.0	15.5			
FM (30°-60°)	10055.9	53.9			
FH (60°-80°)	1950.7	10.5			G2/5000
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1224.7	6.6	B3/2500		
BM (30°-60°)	2061.9	11.1	B2/2500		
BH (60°-80°)	429.0	2.3	B1/500		G1/500
BVH (80°-90°)	20.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9
2.5°	9833.7	9682.0	9489.5	9330.4	9093.5	8616.1	8486.5	8331.1	8201.6	8027.6	7783.3
5°	8941.8	8893.7	8804.8	8205.3	7772.2	7194.9	6721.1	6521.3	6258.5	6043.8	5888.4
7.5°	8260.8	8068.3	7787.0	7183.8	6491.7	5873.6	5348.0	5040.9	4693.0	4574.5	4363.6
10°	7531.7	7576.1	7161.6	6314.0	5477.6	4977.9	4652.2	4356.2	4041.6	3834.3	3534.5
12.5°	7298.5	7154.2	6835.9	5788.5	5074.2	4607.8	4211.8	3845.4	3512.3	3179.2	2890.5
15°	7450.2	7228.2	6784.1	5677.4	4763.3	4182.2	3686.3	3190.3	2883.1	2457.5	2157.7
17.5°	7994.3	7816.7	7220.8	5795.9	4604.1	3775.1	3038.6	2527.8	2057.8	1672.9	1521.1
20°	8901.1	8649.4	7901.8	5947.6	4367.3	3282.8	2464.9	1835.7	1391.6	1228.8	1143.6
22.5°	9789.3	9652.4	8708.6	6240.0	4156.3	2846.1	1850.5	1236.2	1040.0	1010.4	954.9
25°	11480.7	11069.9	9941.1	6769.3	3993.5	2435.3	1395.3	995.6	880.9	858.6	866.0
27.5°	12487.4	12143.2	11081.0	7120.9	3812.1	2120.7	1180.6	914.2	836.4	788.3	769.8
30°	13453.4	13053.7	11647.3	7328.1	3423.5	1787.6	1047.4	877.2	858.6	788.3	766.1
32.5°	14197.3	13805.0	12465.2	7639.0	3264.3	1573.0	862.3	684.7	636.6	629.2	695.8
35°	15337.2	14919.0	13164.7	7809.3	3142.2	1461.9	747.6	610.7	555.2	533.0	536.7
37.5°	16399.4	16114.4	13812.4	7875.9	3012.7	1428.6	669.9	547.8	499.6	484.8	481.1
40°	17287.7	16651.1	14426.8	7946.2	2957.2	1365.7	621.8	499.6	466.3	444.1	444.1
42.5°	17694.8	17047.1	15115.2	7905.5	2942.3	1265.8	621.8	458.9	433.0	410.8	407.1
45°	17606.0	17343.2	15422.3	7887.0	2942.3	1165.8	566.3	447.8	410.8	381.2	373.8
47.5°	17835.4	17491.2	15807.3	7964.7	2883.1	1095.5	477.4	470.0	388.6	351.6	344.2
50°	17876.2	17942.8	16477.2	8368.1	2753.6	1006.7	373.8	462.6	373.8	318.3	310.9
52°	18142.6	17728.1	16680.7	8582.8	2616.7	940.1	314.6	396.0	359.0	296.1	288.7
52.5°	17776.2	18046.4	16728.8	8660.5	2631.5	895.7	303.5	388.6	351.6	296.1	277.6
55°	17365.4	17624.5	16532.7	8827.0	2413.1	703.2	236.9	281.3	318.3	259.1	248.0
57.5°	15093.0	15355.7	14367.5	8083.1	1965.3	495.9	196.2	211.0	281.3	240.6	229.5
60°	13416.4	13227.6	12058.1	6743.3	1395.3	277.6	155.4	162.8	307.2	222.1	218.4
62.5°	12261.6	11858.2	10078.0	5207.4	851.2	185.1	122.1	125.8	236.9	207.3	207.3
65°	9071.3	8619.8	6695.2	3149.6	418.2	129.5	92.5	99.9	148.0	177.7	177.7
67.5°	5177.8	5003.8	3234.7	1421.2	174.0	81.4	70.3	77.7	114.7	144.3	136.9
70°	2379.8	2135.5	1243.6	299.8	81.4	55.5	55.5	62.9	92.5	107.3	99.9
72.5°	695.8	658.8	303.5	48.1	33.3	33.3	37.0	48.1	70.3	81.4	74.0
75°	51.8	33.3	22.2	14.8	14.8	22.2	29.6	48.1	70.3	77.7	62.9
77.5°	3.7	7.4	3.7	3.7	11.1	22.2	33.3	59.2	92.5	96.2	70.3
80°	3.7	3.7	0.0	3.7	11.1	22.2	37.0	66.6	103.6	111.0	59.2
82.5°	0.0	0.0	0.0	3.7	14.8	29.6	44.4	70.3	96.2	118.4	62.9
85°	0.0	0.0	0.0	3.7	22.2	40.7	51.8	18.5	11.1	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°	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9
2.5°	7957.3	7861.1	7824.1	7857.4	7846.3	7835.2	8038.7	7994.3	7986.9	8053.5	8038.7
5°	5973.5	5803.3	6269.6	6080.9	6277.0	6395.4	6417.7	6428.8	6565.7	6421.4	6610.1
7.5°	4256.2	4300.6	4296.9	4422.8	4648.5	4848.4	4966.8	4874.3	4866.9	4848.4	4767.0
10°	3401.3	3323.6	3308.8	3279.1	3349.5	3519.7	3664.1	3549.3	3467.9	3578.9	3545.6
12.5°	2779.5	2672.2	2613.0	2494.5	2498.2	2613.0	2613.0	2613.0	2694.4	2757.3	2805.4
15°	2131.8	2043.0	2043.0	1924.6	1898.6	1902.3	1961.6	1969.0	2098.5	2135.5	2154.0
17.5°	1491.5	1443.4	1498.9	1547.0	1517.4	1524.8	1547.0	1554.4	1573.0	1558.1	1595.2
20°	1147.3	1139.9	1154.7	1239.9	1302.8	1339.8	1313.9	1276.9	1254.7	1202.8	1202.8
22.5°	973.4	988.2	1014.1	1084.4	1165.8	1188.0	1158.4	1073.3	1006.7	999.3	1003.0
25°	866.0	880.9	921.6	966.0	1010.4	1047.4	1017.8	954.9	917.9	884.6	884.6
27.5°	799.4	806.8	829.0	862.3	899.4	929.0	917.9	884.6	843.8	829.0	795.7
30°	747.6	758.7	784.6	792.0	825.3	840.1	821.6	814.2	788.3	769.8	758.7
32.5°	721.7	718.0	736.5	743.9	747.6	758.7	736.5	747.6	743.9	714.3	703.2
35°	544.1	573.7	621.8	662.5	673.6	688.4	684.7	669.9	629.2	595.9	555.2
37.5°	488.5	507.0	533.0	566.3	610.7	629.2	621.8	584.8	536.7	514.4	507.0
40°	451.5	462.6	484.8	507.0	551.5	584.8	558.9	525.6	488.5	470.0	458.9
42.5°	418.2	421.9	433.0	455.2	488.5	540.4	495.9	451.5	436.7	425.6	418.2
45°	381.2	381.2	396.0	407.1	444.1	492.2	447.8	407.1	399.7	392.3	388.6
47.5°	351.6	355.3	362.7	377.5	407.1	440.4	410.8	377.5	359.0	355.3	347.9
50°	314.6	318.3	333.1	347.9	384.9	403.4	384.9	347.9	329.4	318.3	318.3
52°	285.0	296.1	310.9	340.5	366.4	396.0	373.8	333.1	310.9	299.8	292.4
52.5°	281.3	288.7	303.5	336.8	366.4	392.3	370.1	329.4	303.5	296.1	288.7
55°	251.7	262.8	288.7	329.4	362.7	392.3	362.7	325.7	288.7	270.2	262.8
57.5°	240.6	248.0	281.3	333.1	359.0	392.3	362.7	325.7	288.7	255.4	248.0
60°	229.5	244.3	281.3	322.0	355.3	396.0	366.4	322.0	281.3	240.6	240.6
62.5°	218.4	229.5	277.6	314.6	340.5	381.2	351.6	314.6	270.2	229.5	225.8
65°	188.8	207.3	244.3	262.8	292.4	329.4	299.8	273.9	236.9	203.6	199.9
67.5°	144.3	151.7	181.4	203.6	222.1	255.4	240.6	207.3	181.4	155.4	155.4
70°	99.9	107.3	129.5	140.6	159.1	177.7	166.5	140.6	122.1	107.3	103.6
72.5°	70.3	74.0	81.4	88.8	96.2	103.6	99.9	81.4	70.3	66.6	62.9
75°	55.5	62.9	66.6	62.9	59.2	55.5	55.5	48.1	40.7	37.0	37.0
77.5°	55.5	59.2	55.5	48.1	40.7	37.0	33.3	29.6	22.2	18.5	22.2
80°	48.1	48.1	48.1	40.7	37.0	33.3	29.6	25.9	22.2	18.5	18.5
82.5°	51.8	51.8	48.1	40.7	40.7	33.3	33.3	29.6	25.9	18.5	18.5
85°	0.0	0.0	0.0	7.4	18.5	33.3	33.3	29.6	25.9	22.2	22.2
87.5°	0.0	0.0	0.0	0.0	3.7	7.4	14.8	18.5	22.2	22.2	22.2
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°	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9
2.5°	8172.0	8312.6	8579.1	8845.6	9008.4	9200.9	9548.8	9733.8	9974.4	10092.8	10326.0
5°	6584.2	6917.3	7035.7	7339.2	7664.9	7990.6	8508.8	9078.7	9552.5	9878.2	10300.1
7.5°	4804.0	4881.7	5340.6	5544.2	6077.2	6669.3	7376.2	8094.2	8693.8	9226.8	9548.8
10°	3601.1	3886.1	4174.8	4563.4	4992.7	5603.4	6280.7	7072.7	7850.0	8382.9	8790.0
12.5°	2894.2	3120.0	3504.9	3923.1	4452.4	4855.8	5536.8	6321.4	7328.1	7850.0	8386.6
15°	2191.0	2479.7	2916.4	3349.5	3908.3	4334.0	5022.3	6010.5	7305.9	8023.9	8486.5
17.5°	1624.8	1820.9	2213.2	2698.1	3268.0	3867.6	4796.6	5977.2	7553.9	8408.8	8886.3
20°	1243.6	1310.2	1558.1	1991.2	2609.3	3393.9	4430.2	6121.6	8286.7	9345.2	9830.0
22.5°	1006.7	1036.3	1132.5	1432.3	2031.9	2979.4	4256.2	6221.5	9112.0	10466.6	11114.3
25°	877.2	869.8	932.7	1062.2	1587.8	2590.7	4034.2	6599.0	10122.4	11784.2	12365.3
27.5°	799.4	799.4	829.0	921.6	1317.6	2339.1	3893.5	6869.2	11140.2	12942.6	13257.2
30°	758.7	766.1	851.2	880.9	1095.5	2039.3	3660.4	7143.1	12113.6	13682.8	14115.9
32.5°	703.2	673.6	655.1	729.1	921.6	1769.1	3427.2	7257.8	12901.9	14589.6	14959.7
35°	540.4	525.6	547.8	603.3	792.0	1539.6	3168.1	7387.3	13808.7	15640.7	15714.7
37.5°	488.5	484.8	499.6	547.8	666.2	1339.8	2983.1	7354.0	14500.8	16510.5	16310.6
40°	451.5	451.5	462.6	503.3	595.9	1199.1	2790.6	7324.4	15170.7	17487.5	16902.8
42.5°	421.9	421.9	440.4	466.3	566.3	1106.6	2646.3	7283.7	15733.2	18087.1	17250.7
45°	381.2	392.3	421.9	447.8	573.7	1043.7	2538.9	7128.3	15925.7	18079.7	17084.1
47.5°	351.6	366.4	396.0	433.0	518.1	1025.2	2464.9	6991.3	15859.1	17635.6	16562.3
50°	318.3	336.8	377.5	440.4	440.4	988.2	2387.2	7113.5	15811.0	17291.4	16062.6
52°	296.1	310.9	362.7	429.3	384.9	910.5	2339.1	7350.3	16007.1	17247.0	15840.6
52.5°	292.4	303.5	351.6	421.9	366.4	895.7	2305.8	7405.8	16070.0	17135.9	15992.3
55°	259.1	273.9	322.0	329.4	299.8	736.5	2198.4	7531.7	15759.1	16917.6	15848.0
57.5°	244.3	251.7	285.0	270.2	259.1	555.2	1891.2	7335.5	13997.4	15026.3	14745.1
60°	225.8	233.2	266.5	211.0	218.4	388.6	1421.2	6369.5	11240.1	12520.7	13027.8
62.5°	218.4	214.7	251.7	170.2	185.1	281.3	1003.0	5177.8	8660.5	10307.5	11184.6
65°	192.5	188.8	181.4	144.3	159.1	218.4	599.6	3379.1	6103.1	7798.1	8279.3
67.5°	148.0	155.4	133.2	114.7	133.2	170.2	333.1	1513.7	3201.4	4678.1	5066.8
70°	103.6	111.0	107.3	99.9	118.4	140.6	192.5	518.1	1325.0	2457.5	2709.2
72.5°	62.9	77.7	81.4	85.1	103.6	122.1	136.9	166.5	351.6	869.8	1080.7
75°	37.0	51.8	62.9	74.0	85.1	103.6	114.7	118.4	122.1	162.8	262.8
77.5°	25.9	37.0	55.5	70.3	85.1	103.6	122.1	129.5	122.1	114.7	122.1
80°	22.2	37.0	51.8	66.6	88.8	107.3	122.1	122.1	118.4	103.6	111.0
82.5°	22.2	37.0	55.5	70.3	85.1	103.6	118.4	122.1	111.0	103.6	107.3
85°	25.9	40.7	59.2	74.0	92.5	85.1	77.7	62.9	59.2	48.1	51.8
87.5°	25.9	37.0	37.0	40.7	44.4	44.4	44.4	40.7	33.3	29.6	29.6
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: P531097

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**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9	9459.9
2.5°	10337.1	10633.2	10622.1	10629.5	10585.1	10285.3	10140.9	9774.5	9878.2	9833.7
5°	10733.1	11025.5	11277.2	11247.5	10907.0	10499.9	9896.7	9326.7	9171.2	8941.8
7.5°	10337.1	11040.3	11273.5	11240.1	10736.8	10214.9	9252.7	8682.7	8412.5	8260.8
10°	9707.9	10522.1	10810.8	10870.0	10529.5	9737.5	8853.0	7938.8	7794.4	7531.7
12.5°	9348.9	9941.1	10118.7	10277.9	10159.4	9567.3	8549.5	7672.3	7472.5	7298.5
15°	9056.5	9408.1	9482.1	9663.5	9733.8	9415.5	8708.6	7961.0	7468.8	7450.2
17.5°	9326.7	9182.3	8912.2	8967.7	9189.8	9419.2	9119.4	8531.0	8053.5	7994.3
20°	9774.5	9137.9	8527.3	8664.2	8849.3	9552.5	9741.2	9326.7	9052.8	8901.1
22.5°	10289.0	9215.7	8405.1	8471.7	8823.3	9852.2	10747.9	10518.4	10007.7	9789.3
25°	11240.1	9430.3	8501.4	8545.8	9026.9	10270.5	11658.4	11828.6	11525.1	11480.7
27.5°	12169.1	9985.5	8712.3	8612.4	9130.5	10677.6	12209.8	13124.0	12591.0	12487.4
30°	12642.8	10437.0	9026.9	8856.7	9559.9	10925.6	12542.9	13967.8	13501.5	13453.4
32.5°	13368.3	10847.8	9271.2	9052.8	9800.4	11232.7	13164.7	14889.4	14437.9	14197.3
35°	13671.7	11295.7	9807.8	9552.5	10488.8	11662.1	13483.0	15711.0	15570.4	15337.2
37.5°	14256.5	11776.8	10440.7	10425.9	11321.6	12220.9	14056.7	16828.8	16802.8	16399.4
40°	14304.6	12302.3	11440.0	11906.3	12609.5	13194.3	14560.0	17139.6	17561.6	17287.7
42.5°	14378.6	13223.9	13168.4	13553.3	14156.6	14030.7	14578.5	17213.7	17857.7	17694.8
45°	14412.0	14145.5	14926.4	15637.0	15888.7	15126.3	14404.6	17073.0	18013.1	17606.0
47.5°	14145.5	14937.5	16347.6	17720.7	17794.7	15799.9	14330.5	16928.7	18105.6	17835.4
50°	14182.5	15433.5	17576.4	18805.1	18534.9	16395.7	14215.8	16839.9	18057.5	17876.2
52°	14093.7	15444.6	17750.3	18782.9	18594.2	16066.3	14019.6	16499.4	18013.1	18142.6
52.5°	14193.6	15377.9	17569.0	18797.7	18553.5	16229.2	13993.7	16688.1	18039.0	17776.2
55°	13849.4	14585.9	16506.8	17028.6	16991.6	14730.2	13198.0	16062.6	17361.7	17365.4
57.5°	12517.0	12642.8	12946.3	12935.2	12765.0	11580.6	11288.3	14771.0	15477.9	15093.0
60°	11029.2	9256.4	8438.4	8105.3	7916.6	7724.1	9985.5	13512.6	13579.2	13416.4
62.5°	9530.2	6417.7	5329.5	5237.0	5281.4	5984.6	9652.4	13013.0	12613.2	12261.6
65°	7690.8	4678.1	3871.3	3749.2	4182.2	4940.9	7813.0	9978.1	9363.7	9071.3
67.5°	4829.9	3412.4	2616.7	2387.2	2909.0	3401.3	5133.4	6269.6	5581.2	5177.8
70°	2864.6	1906.0	1184.3	1062.2	1195.4	1813.5	2875.7	3127.4	2587.0	2379.8
72.5°	1128.8	699.5	329.4	281.3	292.4	636.6	1058.5	1032.6	780.9	695.8
75°	303.5	211.0	114.7	92.5	77.7	118.4	170.2	111.0	40.7	51.8
77.5°	140.6	125.8	99.9	77.7	59.2	44.4	22.2	7.4	7.4	3.7
80°	122.1	107.3	92.5	77.7	59.2	37.0	18.5	3.7	3.7	3.7
82.5°	114.7	99.9	85.1	70.3	55.5	37.0	18.5	3.7	0.0	0.0
85°	48.1	62.9	70.3	66.6	59.2	37.0	18.5	3.7	0.0	0.0
87.5°	25.9	22.2	18.5	14.8	11.1	7.4	7.4	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)