

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: P532189

Luminaire Tested: **GALN-SA7C-735-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532189
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-SA7C-735-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA 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: 25218 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

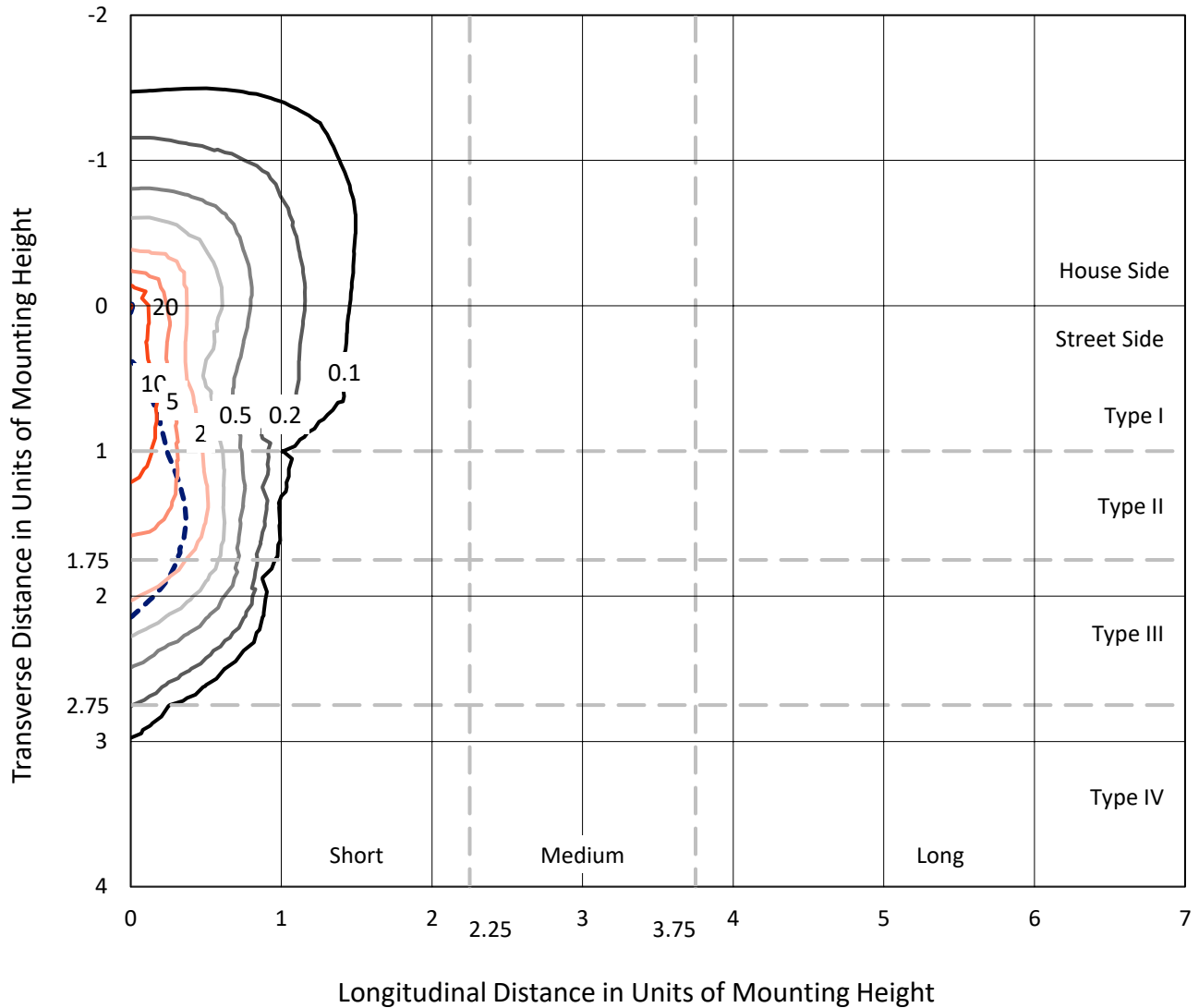
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

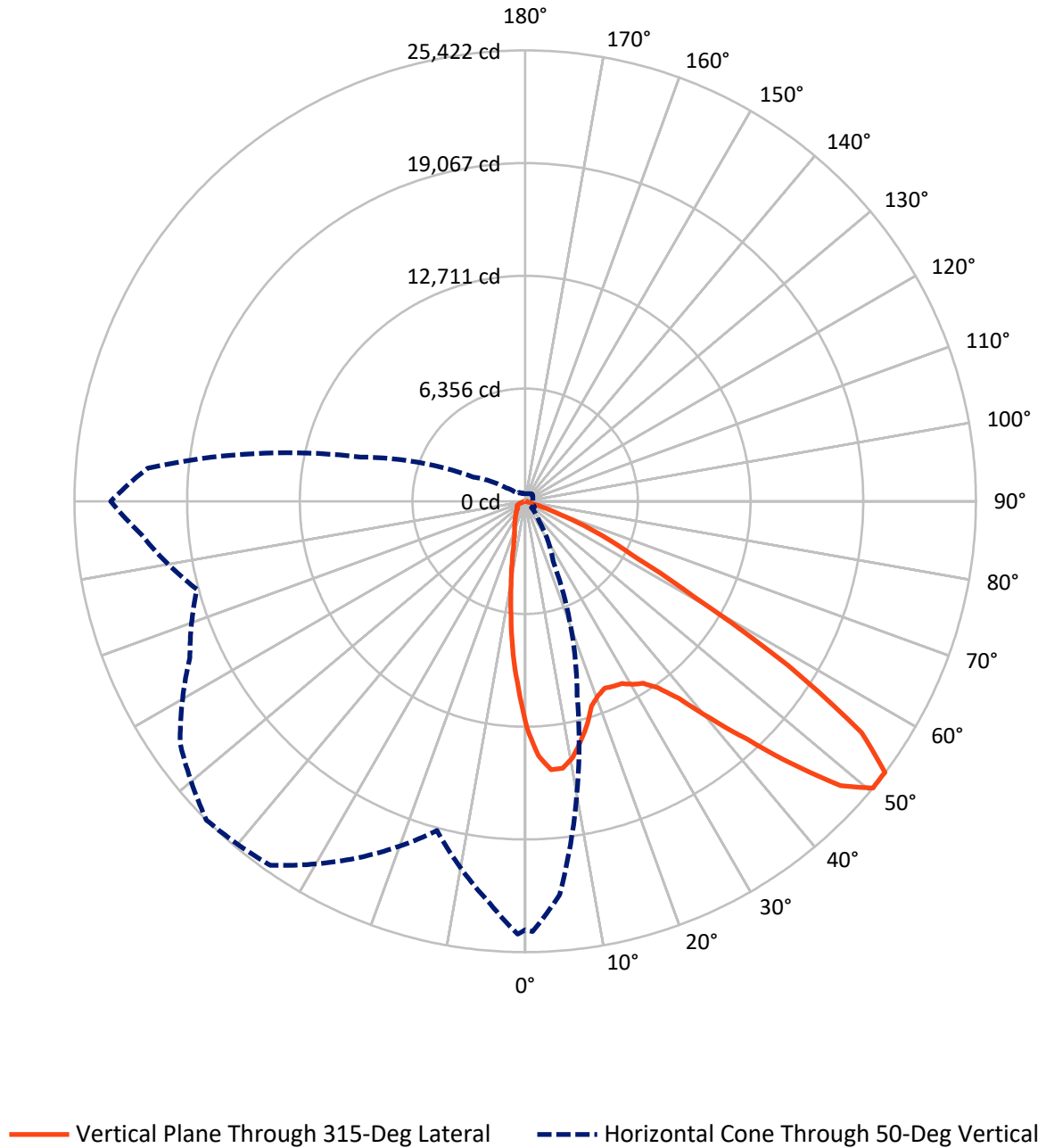
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5051.2	0.0	5051.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	20166.8	0.0	20166.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	25218.0	0.0	25218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	932.2	3.7
10°-20°	1852.6	7.3
20°-30°	2783.2	11.0
30°-40°	4177.5	16.6
40°-50°	5871.2	23.3
50°-60°	6333.1	25.1
60°-70°	2940.5	11.7
70°-80°	276.7	1.1
80°-90°	51.0	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°	25218.0	100.0
0°-180°	25218.0	100.0

Coefficient of Utilization



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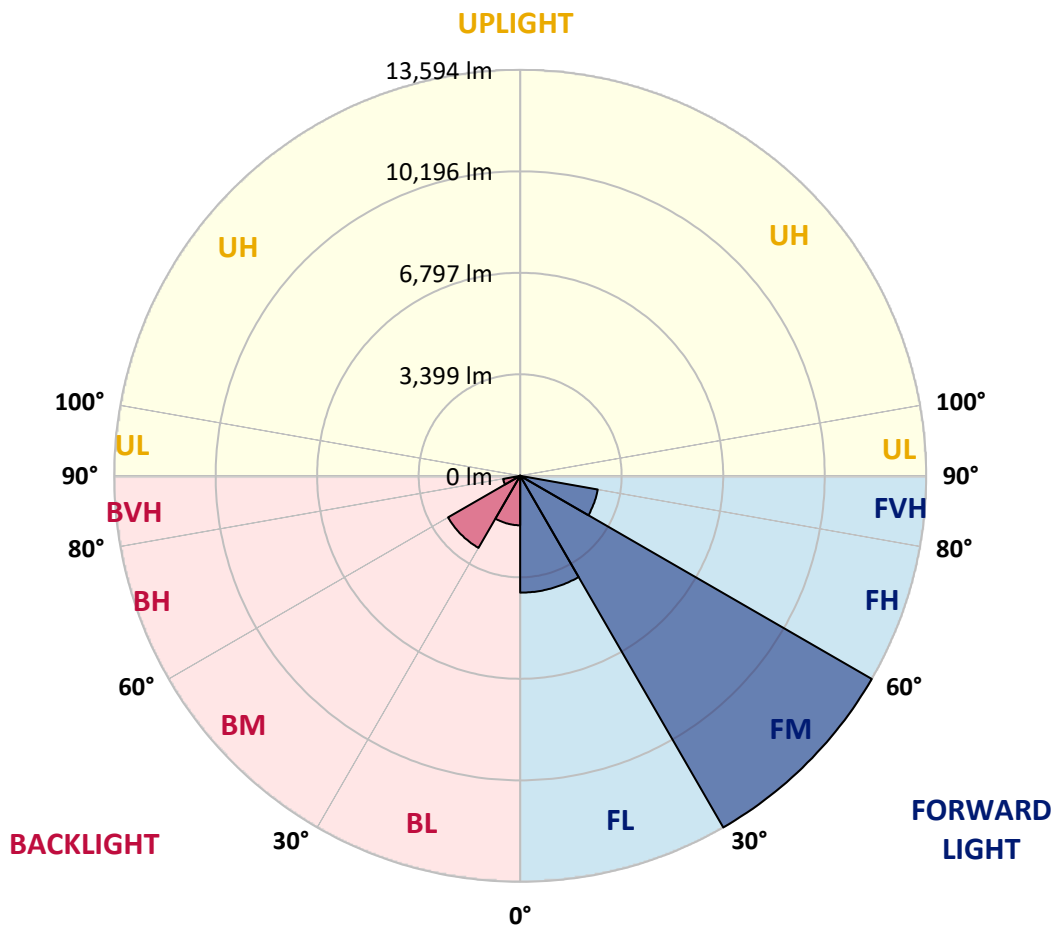
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3912.4	15.5			
FM (30°-60°)	13594.4	53.9			
FH (60°-80°)	2637.1	10.5			G2/5000
FVH (80°-90°)	23.0	0.1			G1/100
BL (0°-30°)	1655.6	6.6	B3/2500		
BM (30°-60°)	2787.5	11.1	B3/5000		
BH (60°-80°)	580.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	28.0	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°	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7
2.5°	13294.0	13088.9	12828.7	12613.6	12293.4	11647.9	11472.8	11262.7	11087.5	10852.4	10522.2
5°	12088.2	12023.2	11903.1	11092.6	10507.2	9726.6	9086.2	8816.0	8460.8	8170.6	7960.4
7.5°	11167.6	10907.4	10527.2	9711.6	8776.0	7940.4	7229.9	6814.6	6344.3	6184.2	5899.0
10°	10181.9	10242.0	9681.6	8535.8	7405.0	6729.6	6289.3	5889.0	5463.7	5183.5	4778.3
12.5°	9866.7	9671.6	9241.3	7825.3	6859.7	6229.2	5693.9	5198.5	4748.2	4297.9	3907.7
15°	10071.9	9771.7	9171.2	7675.2	6439.4	5653.8	4983.4	4312.9	3897.7	3322.3	2917.0
17.5°	10807.4	10567.2	9761.6	7835.3	6224.2	5103.5	4107.8	3417.3	2781.9	2261.5	2056.4
20°	12033.2	11693.0	10682.3	8040.5	5904.0	4438.0	3332.3	2481.7	1881.3	1661.1	1546.1
22.5°	13234.0	13048.9	11773.0	8435.7	5618.8	3847.6	2501.7	1671.1	1406.0	1365.9	1290.9
25°	15520.6	14965.2	13439.1	9151.2	5398.7	3292.2	1886.3	1345.9	1190.8	1160.8	1170.8
27.5°	16881.5	16416.2	14980.2	9626.6	5153.5	2867.0	1596.1	1235.8	1130.8	1065.7	1040.7
30°	18187.4	17647.0	15745.7	9906.7	4628.2	2416.6	1416.0	1185.8	1160.8	1065.7	1035.7
32.5°	19193.1	18662.7	16851.5	10327.0	4413.0	2126.4	1165.8	925.6	860.6	850.6	940.6
35°	20734.1	20168.7	17797.1	10557.2	4247.9	1976.3	1010.7	825.6	750.5	720.5	725.5
37.5°	22170.1	21784.8	18672.7	10647.2	4072.8	1931.3	905.6	740.5	675.5	655.4	650.4
40°	23370.9	22510.3	19503.3	10742.3	3997.7	1846.3	840.6	675.5	630.4	600.4	600.4
42.5°	23921.3	23045.7	20433.9	10687.3	3977.7	1711.2	840.6	620.4	585.4	555.4	550.4
45°	23801.2	23446.0	20849.2	10662.3	3977.7	1576.1	765.5	605.4	555.4	515.4	505.3
47.5°	24111.4	23646.1	21369.5	10767.3	3897.7	1481.0	645.4	635.4	525.4	475.3	465.3
50°	24166.4	24256.5	22275.2	11312.7	3722.5	1360.9	505.3	625.4	505.3	430.3	420.3
52°	24526.7	23966.3	22550.3	11602.9	3537.4	1270.9	425.3	535.4	485.3	400.3	390.3
52.5°	24031.4	24396.6	22615.4	11708.0	3557.4	1210.8	410.3	525.4	475.3	400.3	375.3
55°	23476.0	23826.2	22350.2	11933.1	3262.2	950.6	320.2	380.3	430.3	350.2	335.2
57.5°	20403.9	20759.1	19423.2	10927.4	2656.8	670.5	265.2	285.2	380.3	325.2	310.2
60°	18137.3	17882.2	16301.1	9116.2	1886.3	375.3	210.1	220.1	415.3	300.2	295.2
62.5°	16576.3	16030.9	13624.3	7039.8	1150.8	250.2	165.1	170.1	320.2	280.2	280.2
65°	12263.3	11652.9	9051.2	4257.9	565.4	175.1	125.1	135.1	200.1	240.2	240.2
67.5°	6999.8	6764.6	4373.0	1921.3	235.2	110.1	95.1	105.1	155.1	195.1	185.1
70°	3217.2	2887.0	1681.1	405.3	110.1	75.1	75.1	85.1	125.1	145.1	135.1
72.5°	940.6	890.6	410.3	65.0	45.0	45.0	50.0	65.0	95.1	110.1	100.1
75°	70.0	45.0	30.0	20.0	20.0	30.0	40.0	65.0	95.1	105.1	85.1
77.5°	5.0	10.0	5.0	5.0	15.0	30.0	45.0	80.1	125.1	130.1	95.1
80°	5.0	5.0	0.0	5.0	15.0	30.0	50.0	90.1	140.1	150.1	80.1
82.5°	0.0	0.0	0.0	5.0	20.0	40.0	60.0	95.1	130.1	160.1	85.1
85°	0.0	0.0	0.0	5.0	30.0	55.0	70.0	25.0	15.0	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°	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7
2.5°	10757.3	10627.2	10577.2	10622.2	10607.2	10592.2	10867.4	10807.4	10797.3	10887.4	10867.4
5°	8075.5	7845.3	8475.8	8220.6	8485.8	8645.9	8675.9	8690.9	8876.0	8680.9	8936.1
7.5°	5753.9	5814.0	5809.0	5979.1	6284.3	6554.5	6714.6	6589.5	6579.5	6554.5	6444.4
10°	4598.1	4493.1	4473.0	4433.0	4528.1	4758.2	4953.4	4798.3	4688.2	4838.3	4793.3
12.5°	3757.6	3612.5	3532.4	3372.3	3377.3	3532.4	3532.4	3532.4	3642.5	3727.5	3792.6
15°	2882.0	2761.9	2761.9	2601.8	2566.7	2571.8	2651.8	2661.8	2836.9	2887.0	2912.0
17.5°	2016.4	1951.3	2026.4	2091.4	2051.4	2061.4	2091.4	2101.4	2126.4	2106.4	2156.5
20°	1551.1	1541.0	1561.1	1676.1	1761.2	1811.2	1776.2	1726.2	1696.2	1626.1	1626.1
22.5°	1315.9	1335.9	1370.9	1466.0	1576.1	1606.1	1566.1	1451.0	1360.9	1350.9	1355.9
25°	1170.8	1190.8	1245.8	1305.9	1365.9	1416.0	1375.9	1290.9	1240.8	1195.8	1195.8
27.5°	1080.7	1090.7	1120.8	1165.8	1215.8	1255.9	1240.8	1195.8	1140.8	1120.8	1075.7
30°	1010.7	1025.7	1060.7	1070.7	1115.8	1135.8	1110.8	1100.7	1065.7	1040.7	1025.7
32.5°	975.7	970.7	995.7	1005.7	1010.7	1025.7	995.7	1010.7	1005.7	965.7	950.6
35°	735.5	775.5	840.6	895.6	910.6	930.6	925.6	905.6	850.6	805.5	750.5
37.5°	660.4	685.5	720.5	765.5	825.6	850.6	840.6	790.5	725.5	695.5	685.5
40°	610.4	625.4	655.4	685.5	745.5	790.5	755.5	710.5	660.4	635.4	620.4
42.5°	565.4	570.4	585.4	615.4	660.4	730.5	670.5	610.4	590.4	575.4	565.4
45°	515.4	515.4	535.4	550.4	600.4	665.5	605.4	550.4	540.4	530.4	525.4
47.5°	475.3	480.3	490.3	510.3	550.4	595.4	555.4	510.3	485.3	480.3	470.3
50°	425.3	430.3	450.3	470.3	520.4	545.4	520.4	470.3	445.3	430.3	430.3
52°	385.3	400.3	420.3	460.3	495.3	535.4	505.3	450.3	420.3	405.3	395.3
52.5°	380.3	390.3	410.3	455.3	495.3	530.4	500.3	445.3	410.3	400.3	390.3
55°	340.2	355.2	390.3	445.3	490.3	530.4	490.3	440.3	390.3	365.2	355.2
57.5°	325.2	335.2	380.3	450.3	485.3	530.4	490.3	440.3	390.3	345.2	335.2
60°	310.2	330.2	380.3	435.3	480.3	535.4	495.3	435.3	380.3	325.2	325.2
62.5°	295.2	310.2	375.3	425.3	460.3	515.4	475.3	425.3	365.2	310.2	305.2
65°	255.2	280.2	330.2	355.2	395.3	445.3	405.3	370.3	320.2	275.2	270.2
67.5°	195.1	205.1	245.2	275.2	300.2	345.2	325.2	280.2	245.2	210.1	210.1
70°	135.1	145.1	175.1	190.1	215.1	240.2	225.2	190.1	165.1	145.1	140.1
72.5°	95.1	100.1	110.1	120.1	130.1	140.1	135.1	110.1	95.1	90.1	85.1
75°	75.1	85.1	90.1	85.1	80.1	75.1	75.1	65.0	55.0	50.0	50.0
77.5°	75.1	80.1	75.1	65.0	55.0	50.0	45.0	40.0	30.0	25.0	30.0
80°	65.0	65.0	65.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	25.0
82.5°	70.0	70.0	65.0	55.0	55.0	45.0	45.0	40.0	35.0	25.0	25.0
85°	0.0	0.0	0.0	10.0	25.0	45.0	45.0	40.0	35.0	30.0	30.0
87.5°	0.0	0.0	0.0	0.0	5.0	10.0	20.0	25.0	30.0	30.0	30.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7
2.5°	11047.5	11237.6	11597.9	11958.1	12178.3	12438.5	12908.8	13159.0	13484.2	13644.3	13959.5
5°	8901.1	9351.4	9511.5	9921.8	10362.1	10802.4	11502.8	12273.4	12913.8	13354.1	13924.5
7.5°	6494.4	6599.5	7219.9	7495.1	8215.6	9016.1	9971.8	10942.4	11753.0	12473.5	12908.8
10°	4868.3	5253.6	5643.8	6169.2	6749.6	7575.2	8490.8	9561.5	10612.2	11332.7	11883.1
12.5°	3912.7	4217.9	4738.2	5303.6	6019.1	6564.5	7485.1	8545.8	9906.7	10612.2	11337.7
15°	2962.0	3352.3	3942.7	4528.1	5283.6	5859.0	6789.6	8125.5	9876.7	10847.4	11472.8
17.5°	2196.5	2461.7	2992.0	3647.5	4418.0	5228.6	6484.4	8080.5	10212.0	11367.7	12013.2
20°	1681.1	1771.2	2106.4	2691.8	3527.4	4588.1	5989.1	8275.6	11202.6	12633.6	13289.0
22.5°	1360.9	1401.0	1531.0	1936.3	2746.9	4027.7	5753.9	8410.7	12318.4	14149.6	15025.2
25°	1185.8	1175.8	1260.9	1436.0	2146.5	3502.4	5453.7	8921.1	13684.3	15930.8	16716.4
27.5°	1080.7	1080.7	1120.8	1245.8	1781.2	3162.2	5263.6	9286.3	15060.3	17496.9	17922.2
30°	1025.7	1035.7	1150.8	1190.8	1481.0	2756.9	4948.4	9656.6	16376.1	18497.6	19083.0
32.5°	950.6	910.6	885.6	985.7	1245.8	2391.6	4633.2	9811.7	17441.9	19723.4	20223.8
35°	730.5	710.5	740.5	815.6	1070.7	2081.4	4282.9	9986.8	18667.7	21144.4	21244.5
37.5°	660.4	655.4	675.5	740.5	900.6	1811.2	4032.7	9941.8	19603.3	22320.2	22050.0
40°	610.4	610.4	625.4	680.5	805.5	1621.1	3772.6	9901.7	20509.0	23641.1	22850.6
42.5°	570.4	570.4	595.4	630.4	765.5	1496.0	3577.4	9846.7	21269.5	24451.6	23320.9
45°	515.4	530.4	570.4	605.4	775.5	1411.0	3432.3	9636.6	21529.7	24441.6	23095.7
47.5°	475.3	495.3	535.4	585.4	700.5	1385.9	3332.3	9451.4	21439.6	23841.2	22390.2
50°	430.3	455.3	510.3	595.4	595.4	1335.9	3227.2	9616.5	21374.5	23375.9	21714.8
52°	400.3	420.3	490.3	580.4	520.4	1230.8	3162.2	9936.8	21639.7	23315.9	21414.6
52.5°	395.3	410.3	475.3	570.4	495.3	1210.8	3117.1	10011.8	21724.8	23165.8	21619.7
55°	350.2	370.3	435.3	445.3	405.3	995.7	2972.0	10181.9	21304.5	22870.6	21424.6
57.5°	330.2	340.2	385.3	365.2	350.2	750.5	2556.7	9916.7	18922.9	20313.8	19933.6
60°	305.2	315.2	360.2	285.2	295.2	525.4	1921.3	8610.9	15195.3	16926.5	17612.0
62.5°	295.2	290.2	340.2	230.2	250.2	380.3	1355.9	6999.8	11708.0	13934.5	15120.3
65°	260.2	255.2	245.2	195.1	215.1	295.2	810.6	4568.1	8250.6	10542.2	11192.6
67.5°	200.1	210.1	180.1	155.1	180.1	230.2	450.3	2046.4	4327.9	6324.3	6849.7
70°	140.1	150.1	145.1	135.1	160.1	190.1	260.2	700.5	1791.2	3322.3	3662.5
72.5°	85.1	105.1	110.1	115.1	140.1	165.1	185.1	225.2	475.3	1175.8	1461.0
75°	50.0	70.0	85.1	100.1	115.1	140.1	155.1	160.1	165.1	220.1	355.2
77.5°	35.0	50.0	75.1	95.1	115.1	140.1	165.1	175.1	165.1	155.1	165.1
80°	30.0	50.0	70.0	90.1	120.1	145.1	165.1	165.1	160.1	140.1	150.1
82.5°	30.0	50.0	75.1	95.1	115.1	140.1	160.1	165.1	150.1	140.1	145.1
85°	35.0	55.0	80.1	100.1	125.1	115.1	105.1	85.1	80.1	65.0	70.0
87.5°	35.0	50.0	50.0	55.0	60.0	60.0	60.0	55.0	45.0	40.0	40.0
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: P532189

CATALOG NUMBER: GALN-SA7C-735-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7	12788.7
2.5°	13974.5	14374.8	14359.8	14369.8	14309.7	13904.5	13709.3	13214.0	13354.1	13294.0
5°	14509.9	14905.1	15245.4	15205.3	14745.0	14194.7	13379.1	12608.6	12398.4	12088.2
7.5°	13974.5	14925.2	15240.4	15195.3	14514.9	13809.4	12508.5	11738.0	11372.7	11167.6
10°	13123.9	14224.7	14614.9	14695.0	14234.7	13164.0	11968.1	10732.3	10537.2	10181.9
12.5°	12638.6	13439.1	13679.3	13894.5	13734.3	12933.8	11557.9	10372.1	10101.9	9866.7
15°	12243.3	12718.7	12818.7	13063.9	13159.0	12728.7	11773.0	10762.3	10096.9	10071.9
17.5°	12608.6	12413.4	12048.2	12123.3	12423.5	12733.7	12328.4	11532.8	10887.4	10807.4
20°	13214.0	12353.4	11527.8	11713.0	11963.1	12913.8	13169.0	12608.6	12238.3	12033.2
22.5°	13909.5	12458.5	11362.7	11452.8	11928.1	13319.1	14529.9	14219.7	13529.2	13234.0
25°	15195.3	12748.7	11492.8	11552.9	12203.3	13884.5	15760.7	15990.9	15580.6	15520.6
27.5°	16451.2	13499.2	11778.0	11642.9	12343.4	14434.8	16506.2	17742.1	17021.6	16881.5
30°	17091.6	14109.6	12203.3	11973.1	12923.8	14770.1	16956.5	18882.9	18252.4	18187.4
32.5°	18072.3	14665.0	12533.5	12238.3	13249.0	15185.3	17797.1	20128.7	19518.3	19193.1
35°	18482.6	15270.4	13259.0	12913.8	14179.7	15765.7	18227.4	21239.5	21049.3	20734.1
37.5°	19273.1	15920.8	14114.6	14094.6	15305.4	16521.2	19002.9	22750.5	22715.5	22170.1
40°	19338.2	16631.3	15465.5	16096.0	17046.6	17837.1	19683.4	23170.8	23741.2	23370.9
42.5°	19438.2	17877.2	17802.1	18322.5	19138.0	18967.9	19708.4	23270.8	24141.4	23921.3
45°	19483.3	19123.0	20178.7	21139.4	21479.6	20448.9	19473.3	23080.7	24351.6	23801.2
47.5°	19123.0	20193.7	22100.0	23956.3	24056.4	21359.5	19373.2	22885.6	24476.7	24111.4
50°	19173.1	20864.2	23761.2	25422.3	25057.1	22165.1	19218.1	22765.5	24411.6	24166.4
52°	19053.0	20879.2	23996.3	25392.3	25137.1	21719.8	18952.9	22305.2	24351.6	24526.7
52.5°	19188.1	20789.2	23751.2	25412.3	25082.1	21939.9	18917.9	22560.4	24386.6	24031.4
55°	18722.7	19718.4	22315.2	23020.7	22970.6	19913.6	17842.1	21714.8	23471.0	23476.0
57.5°	16921.5	17091.6	17501.9	17486.9	17256.7	15655.7	15260.4	19968.6	20924.2	20403.9
60°	14910.1	12513.5	11407.8	10957.5	10702.3	10442.1	13499.2	18267.4	18357.5	18137.3
62.5°	12883.8	8675.9	7204.9	7079.8	7139.9	8090.5	13048.9	17592.0	17051.6	16576.3
65°	10397.1	6324.3	5233.6	5068.4	5653.8	6679.5	10562.2	13489.2	12658.6	12263.3
67.5°	6529.4	4613.1	3537.4	3227.2	3932.7	4598.1	6939.7	8475.8	7545.1	6999.8
70°	3872.6	2576.8	1601.1	1436.0	1616.1	2451.7	3887.6	4227.9	3497.4	3217.2
72.5°	1526.0	945.6	445.3	380.3	395.3	860.6	1431.0	1396.0	1055.7	940.6
75°	410.3	285.2	155.1	125.1	105.1	160.1	230.2	150.1	55.0	70.0
77.5°	190.1	170.1	135.1	105.1	80.1	60.0	30.0	10.0	10.0	5.0
80°	165.1	145.1	125.1	105.1	80.1	50.0	25.0	5.0	5.0	5.0
82.5°	155.1	135.1	115.1	95.1	75.1	50.0	25.0	5.0	0.0	0.0
85°	65.0	85.1	95.1	90.1	80.1	50.0	25.0	5.0	0.0	0.0
87.5°	35.0	30.0	25.0	20.0	15.0	10.0	10.0	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

(END OF REPORT)