

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: P527952

Luminaire Tested: **GALN-SA3A-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527952
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-SA3A-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA 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: 9260 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93
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

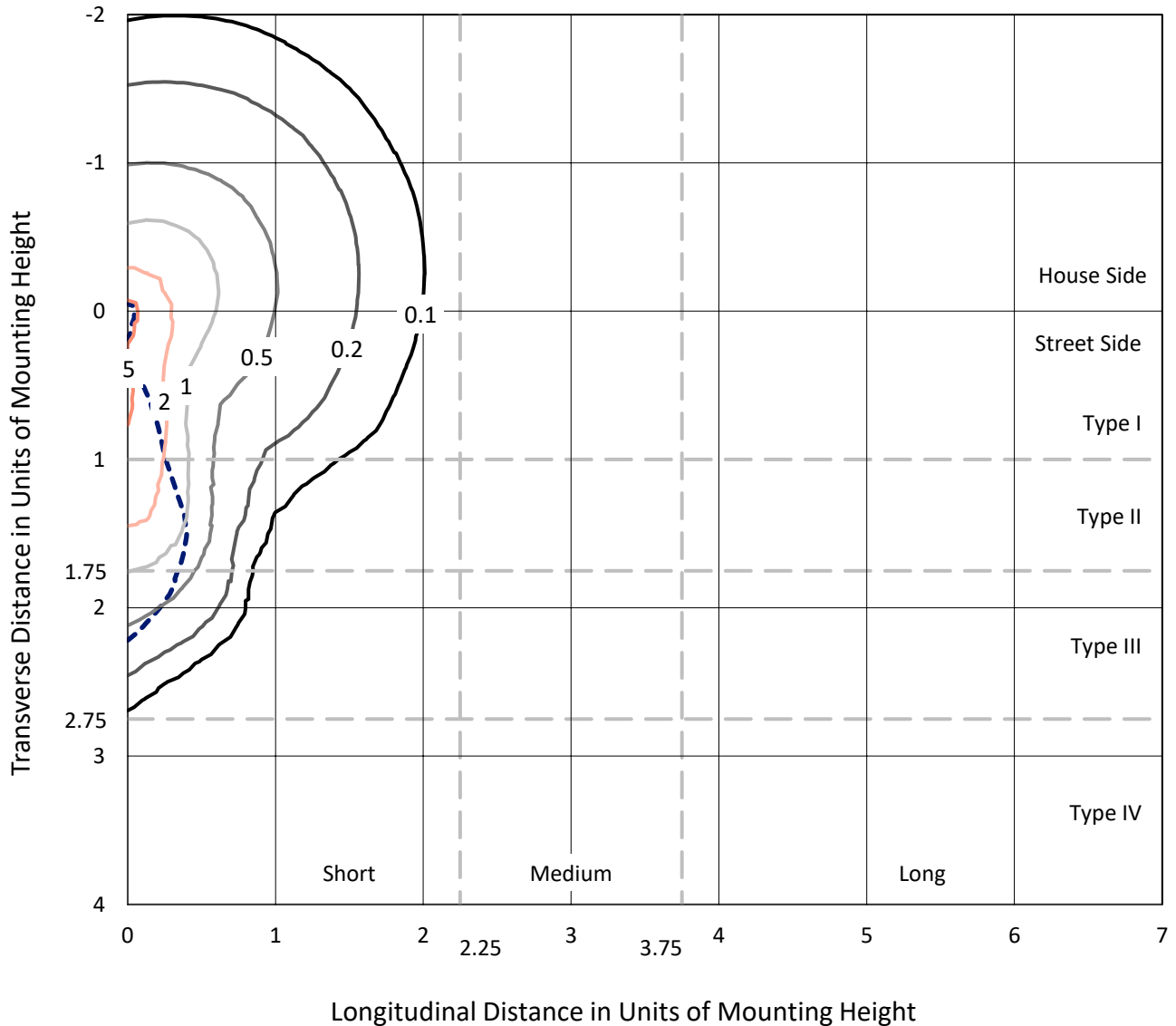




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Iso-Footcandle Lines of Horizontal Illumination

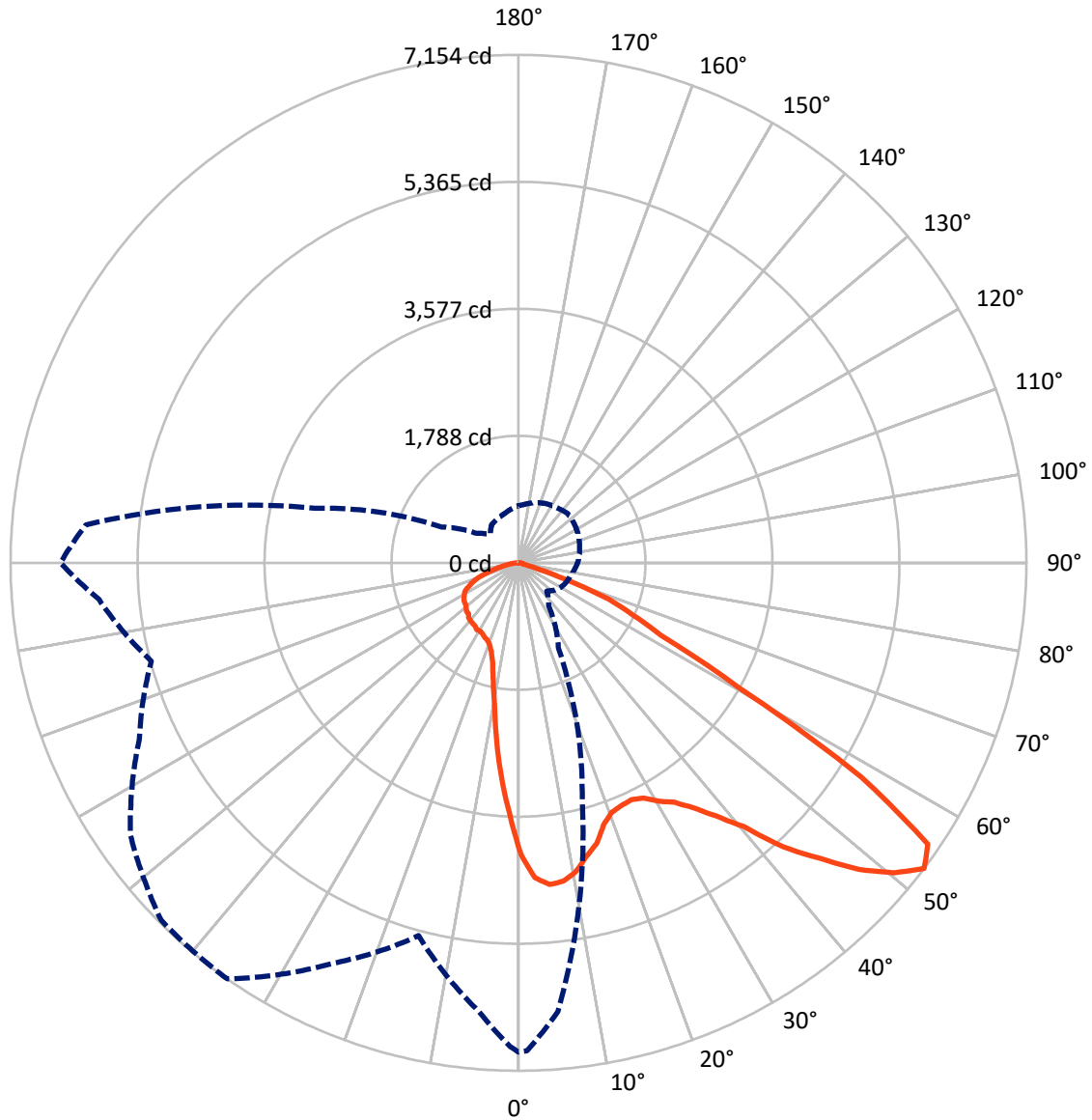
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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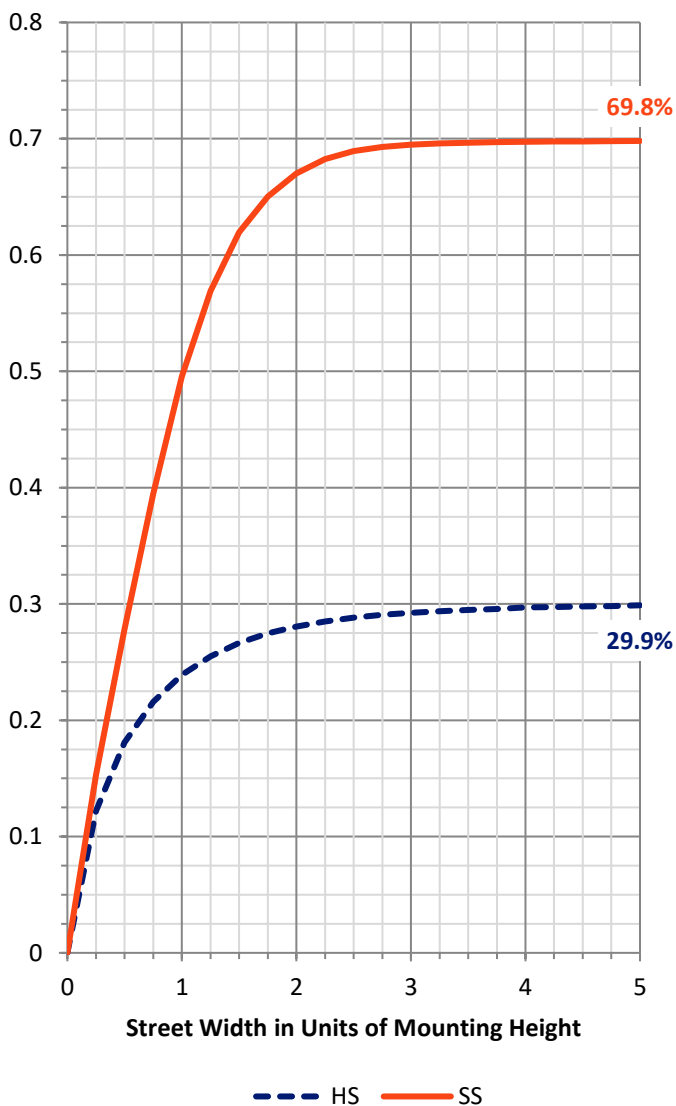
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2791.5	0.0	2791.5
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	6468.5	0.0	6468.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	9260.0	0.0	9260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.5	3.4
10°-20°	679.7	7.3
20°-30°	1027.0	11.1
30°-40°	1484.0	16.0
40°-50°	1974.9	21.3
50°-60°	2209.0	23.9
60°-70°	1245.0	13.4
70°-80°	277.5	3.0
80°-90°	49.4	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°	9260.0	100.0
0°-180°	9260.0	100.0

Coefficient of Utilization

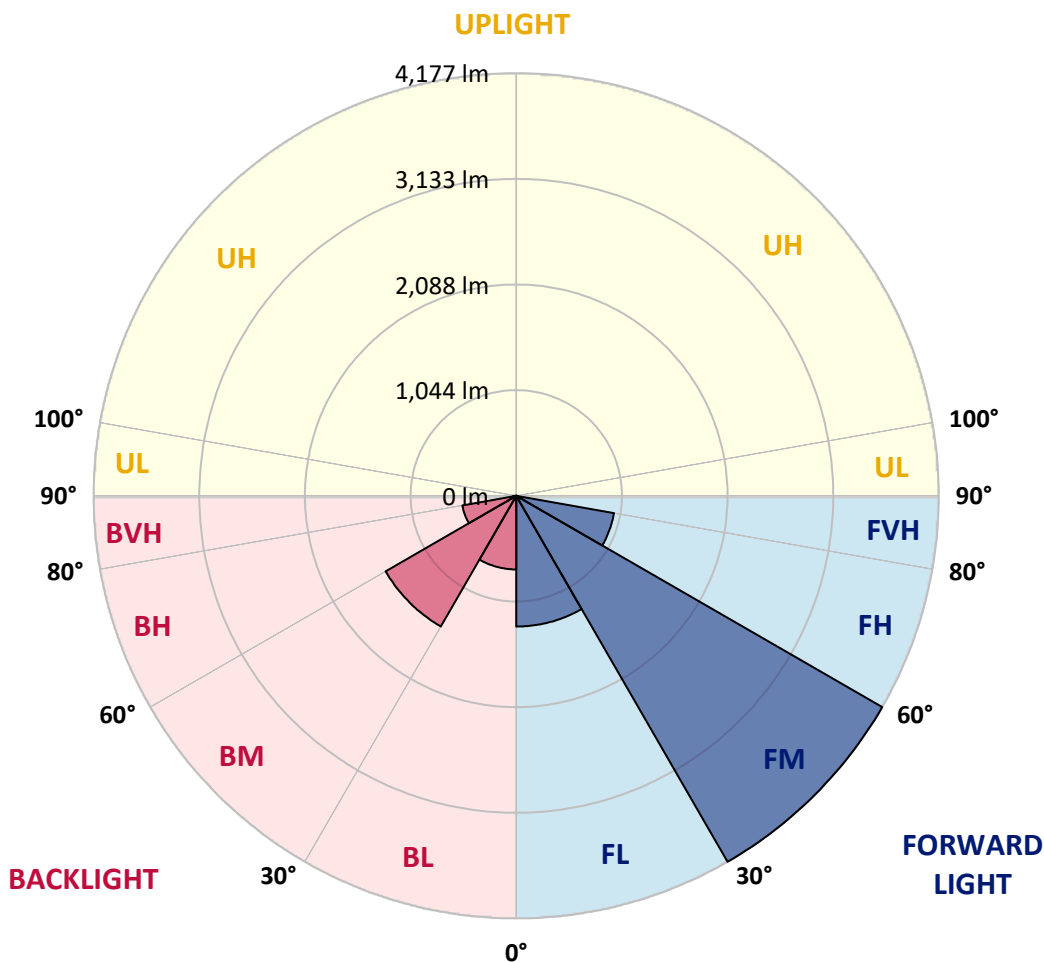


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1292.2	14.0			
FM (30°-60°)	4177.0	45.1			
FH (60°-80°)	981.4	10.6			G1/1800
FVH (80°-90°)	17.9	0.2			G1/100
BL (0°-30°)	728.0	7.9	B2/1000		
BM (30°-60°)	1490.9	16.1	B2/2500		
BH (60°-80°)	541.1	5.8	B2/1000		G2/1000
BVH (80°-90°)	31.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6
2.5°	4178.1	4245.2	4172.7	4043.9	3952.6	3869.4	3782.2	3764.7	3650.6	3630.5	3547.3
5°	3940.5	3925.8	3837.2	3668.1	3481.5	3312.4	3187.6	3066.8	2984.9	2889.6	2882.9
7.5°	3652.0	3566.1	3515.1	3258.7	3027.9	2762.1	2648.1	2464.2	2406.5	2320.6	2276.3
10°	3394.3	3331.2	3211.8	2955.4	2633.3	2457.5	2335.3	2236.0	2168.9	2080.3	1968.9
12.5°	3266.8	3241.3	3107.1	2709.8	2470.9	2283.0	2197.1	2100.5	1986.4	1844.1	1789.1
15°	3289.6	3203.7	3101.7	2662.8	2332.6	2151.5	2014.6	1893.8	1747.5	1611.9	1532.7
17.5°	3460.0	3394.3	3190.3	2692.3	2280.3	2018.6	1770.3	1591.8	1460.3	1338.1	1283.1
20°	3795.6	3700.3	3470.8	2729.9	2167.6	1833.4	1548.8	1328.7	1187.8	1123.4	1104.6
22.5°	4167.4	4111.0	3744.6	2814.5	2077.6	1661.6	1314.0	1093.8	1041.5	1024.1	1059.0
25°	4619.7	4473.4	4170.0	2952.7	2007.8	1515.3	1115.3	993.2	966.3	983.8	1024.1
27.5°	4963.2	4924.3	4468.0	3082.9	1912.6	1339.5	1003.9	923.4	931.4	948.9	986.5
30°	5371.3	5174.0	4756.6	3172.8	1826.7	1218.7	926.1	904.6	912.7	942.2	961.0
32.5°	5616.9	5543.1	4937.7	3308.4	1727.3	1114.0	865.7	845.6	857.6	901.9	946.2
35°	5929.6	5783.3	5161.9	3343.3	1657.5	1072.4	822.7	808.0	836.2	867.0	916.7
37.5°	6294.7	6194.0	5471.9	3319.1	1620.0	1029.4	786.5	779.8	799.9	842.9	900.6
40°	6510.7	6479.9	5634.3	3333.9	1560.9	991.8	744.9	752.9	794.5	828.1	884.5
42.5°	6718.8	6517.5	5874.6	3328.5	1523.3	940.8	748.9	739.5	771.7	810.7	864.3
45°	6764.4	6564.4	5930.9	3290.9	1477.7	891.2	718.0	722.1	761.0	809.3	844.2
47.5°	6734.9	6587.2	6035.6	3280.2	1434.8	856.3	672.4	720.7	743.5	782.5	832.1
50°	6714.7	6706.7	6124.2	3331.2	1377.0	801.3	617.4	703.3	726.1	765.0	818.7
52.5°	6891.9	6874.5	6345.7	3465.4	1331.4	742.2	561.0	659.0	714.0	751.6	803.9
55°	6999.3	6922.8	6725.5	3630.5	1254.9	664.4	522.1	604.0	684.5	718.0	771.7
57.5°	6296.0	6243.7	6083.9	3388.9	1126.1	562.4	473.8	547.6	644.2	696.6	751.6
60°	5238.4	5156.5	4747.2	2880.2	830.8	437.5	444.2	503.3	633.5	653.6	718.0
62.5°	4939.1	4736.4	4179.4	2317.9	637.5	375.8	398.6	463.0	577.1	610.7	675.1
65°	3919.1	3768.7	2990.3	1673.7	426.8	326.1	363.7	417.4	497.9	563.7	622.8
67.5°	2453.4	2309.8	1595.8	791.9	298.0	279.2	324.8	381.2	446.9	506.0	571.8
70°	1281.7	1124.7	736.8	285.9	205.3	228.2	271.1	324.8	389.2	437.5	488.5
72.5°	477.8	387.9	240.2	123.5	142.3	174.5	220.1	259.0	304.7	363.7	391.9
75°	73.8	63.1	61.7	75.2	96.6	126.2	157.0	196.0	236.2	273.8	292.6
77.5°	34.9	33.6	37.6	49.7	64.4	89.9	114.1	151.7	183.9	208.0	218.8
80°	22.8	21.5	24.2	33.6	48.3	67.1	91.3	116.8	146.3	166.4	163.7
82.5°	13.4	14.8	14.8	22.8	33.6	48.3	65.8	88.6	108.7	126.2	115.4
85°	8.1	6.7	6.7	13.4	22.8	38.9	55.0	37.6	38.9	38.9	44.3
87.5°	2.7	2.7	2.7	1.3	2.7	2.7	4.0	6.7	8.1	9.4	12.1
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°	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6
2.5°	3544.6	3586.2	3571.4	3519.1	3559.4	3566.1	3539.2	3631.8	3649.3	3621.1	3629.2
5°	2873.5	2884.3	2908.4	2959.4	2995.7	3038.6	3038.6	3041.3	3005.1	3096.3	3069.5
7.5°	2238.7	2245.4	2273.6	2382.3	2413.2	2495.0	2529.9	2505.8	2433.3	2402.4	2427.9
10°	1932.7	1893.8	1884.4	1897.8	1967.6	2002.5	2032.0	2024.0	2011.9	1987.7	1960.9
12.5°	1728.7	1700.5	1677.7	1645.5	1649.5	1683.0	1705.9	1687.1	1692.4	1697.8	1705.9
15°	1507.2	1487.1	1475.0	1426.7	1421.3	1444.1	1452.2	1462.9	1483.1	1484.4	1475.0
17.5°	1272.4	1254.9	1281.7	1308.6	1289.8	1291.1	1305.9	1315.3	1309.9	1285.8	1273.7
20°	1111.3	1130.1	1156.9	1182.4	1202.6	1214.6	1220.0	1205.2	1187.8	1138.1	1136.8
22.5°	1064.3	1088.5	1111.3	1150.2	1169.0	1199.9	1171.7	1138.1	1114.0	1089.8	1061.6
25°	1029.4	1049.6	1095.2	1110.0	1146.2	1171.7	1151.6	1118.0	1076.4	1041.5	1020.0
27.5°	1003.9	1026.7	1056.3	1096.5	1124.7	1139.5	1119.3	1105.9	1063.0	1021.4	990.5
30°	987.8	1012.0	1065.7	1099.2	1123.4	1135.5	1100.6	1084.5	1053.6	1018.7	991.8
32.5°	977.1	998.6	1044.2	1087.1	1103.2	1103.2	1108.6	1089.8	1046.9	987.8	965.0
35°	942.2	971.7	1009.3	1059.0	1088.5	1105.9	1079.1	1057.6	1029.4	969.0	927.4
37.5°	922.1	942.2	990.5	1037.5	1063.0	1081.8	1071.0	1033.5	995.9	946.2	912.7
40°	900.6	932.8	975.7	1020.0	1048.2	1067.0	1059.0	1014.7	969.0	922.1	899.2
42.5°	885.8	907.3	951.6	1001.2	1034.8	1071.0	1046.9	991.8	959.6	895.2	869.7
45°	873.7	908.6	955.6	975.7	1010.6	1048.2	1005.3	971.7	934.1	887.2	865.7
47.5°	859.0	891.2	922.1	975.7	991.8	1009.3	1001.2	947.6	915.3	864.3	849.6
50°	853.6	865.7	922.1	951.6	974.4	991.8	970.4	930.1	899.2	846.9	814.7
52.5°	832.1	854.9	891.2	930.1	958.3	979.8	944.9	919.4	877.8	822.7	802.6
55°	805.3	818.7	883.1	923.4	938.2	952.9	939.5	897.9	854.9	798.6	778.4
57.5°	770.4	801.3	853.6	910.0	928.8	936.8	915.3	881.8	828.1	778.4	746.2
60°	734.2	766.4	824.1	869.7	888.5	918.0	885.8	865.7	803.9	748.9	714.0
62.5°	697.9	734.2	777.1	834.8	850.9	863.0	854.9	826.8	777.1	715.4	672.4
65°	655.0	681.8	735.5	765.0	775.8	803.9	775.8	765.0	720.7	661.7	625.4
67.5°	590.5	613.4	660.3	688.5	696.6	708.7	707.3	695.2	645.6	605.3	573.1
70°	516.7	536.9	566.4	599.9	604.0	618.7	605.3	602.6	570.4	515.4	497.9
72.5°	414.7	433.5	472.4	487.2	488.5	493.9	487.2	477.8	469.8	412.0	394.6
75°	318.1	328.8	347.6	361.0	361.0	367.7	363.7	354.3	332.9	296.6	279.2
77.5°	221.5	232.2	256.3	264.4	263.1	265.7	253.7	244.3	212.1	193.3	178.5
80°	161.1	167.8	179.8	185.2	186.6	190.6	175.8	167.8	149.0	127.5	120.8
82.5°	116.8	120.8	122.1	128.8	128.8	122.1	118.1	110.1	96.6	83.2	77.8
85°	48.3	49.7	51.0	59.1	60.4	72.5	67.1	63.1	55.0	47.0	42.9
87.5°	12.1	13.4	17.4	14.8	17.4	17.4	18.8	21.5	21.5	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°	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6
2.5°	3660.0	3670.8	3807.7	3825.1	3892.2	3960.7	4098.9	4198.2	4278.8	4331.1	4345.9
5°	3097.7	3166.1	3229.2	3331.2	3423.8	3555.3	3707.0	3894.9	4131.1	4251.9	4300.2
7.5°	2425.3	2505.8	2597.0	2696.4	2831.9	3068.1	3270.8	3488.2	3790.2	3915.0	4104.3
10°	1979.7	2069.6	2190.4	2266.9	2430.6	2656.1	2892.3	3143.3	3431.9	3611.7	3830.5
12.5°	1750.2	1824.0	1935.4	2096.4	2218.6	2364.9	2540.7	2857.4	3270.8	3441.3	3591.6
15°	1496.5	1578.4	1707.2	1885.7	2032.0	2206.5	2403.8	2748.7	3188.9	3452.0	3579.5
17.5°	1287.1	1346.2	1481.7	1636.1	1803.8	1994.4	2277.6	2743.3	3274.8	3611.7	3819.7
20°	1142.2	1150.2	1224.0	1355.6	1583.7	1832.0	2199.8	2716.5	3550.0	3886.8	4149.9
22.5°	1050.9	1042.8	1044.2	1155.6	1315.3	1672.3	2077.6	2807.8	3862.7	4324.4	4501.6
25°	1005.3	983.8	970.4	994.5	1139.5	1483.1	1985.0	2928.6	4199.6	4685.4	4902.9
27.5°	981.1	943.5	916.7	920.7	1026.7	1387.8	1927.3	2980.9	4533.8	5188.7	5265.2
30°	971.7	924.7	885.8	872.4	942.2	1254.9	1803.8	3070.8	4833.1	5465.2	5531.0
32.5°	938.2	880.4	842.9	830.8	859.0	1138.1	1715.3	3135.2	5097.5	5765.9	5743.0
35°	899.2	850.9	803.9	781.1	801.3	1063.0	1644.1	3104.4	5408.8	5999.4	5987.3
37.5°	895.2	832.1	793.2	755.6	754.3	970.4	1547.5	3133.9	5607.5	6418.1	6253.0
40°	860.3	820.0	769.0	738.2	720.7	923.4	1453.5	3064.1	5898.7	6587.2	6424.8
42.5°	861.7	801.3	757.0	720.7	703.3	854.9	1389.1	3045.3	6000.7	6862.4	6505.4
45°	840.2	781.1	743.5	700.6	691.2	802.6	1327.4	2958.1	6180.6	6875.8	6404.7
47.5°	818.7	766.4	726.1	675.1	653.6	783.8	1279.1	2885.6	6086.6	6749.6	6265.1
50°	803.9	743.5	706.0	669.7	609.3	751.6	1216.0	2868.2	5955.1	6579.2	6006.1
52.5°	778.4	724.8	685.8	657.7	561.0	722.1	1191.8	2970.2	6116.2	6451.7	5930.9
55°	754.3	699.3	649.6	594.6	520.8	644.2	1124.7	3065.5	6351.0	6745.6	6271.8
57.5°	728.8	676.4	622.8	557.0	481.8	563.7	1054.9	3082.9	5910.8	6234.3	5953.8
60°	695.2	628.1	587.9	502.0	440.2	467.1	836.2	2717.8	4584.8	5206.2	5215.6
62.5°	657.7	585.2	550.3	449.6	397.3	402.6	681.8	2284.3	3719.1	4309.6	4566.0
65°	608.0	538.2	496.6	416.1	366.4	349.0	499.3	1673.7	2825.2	3496.3	3787.5
67.5°	543.6	477.8	425.5	362.4	327.5	299.3	340.9	942.2	1668.3	2347.4	2436.0
70°	475.1	418.7	363.7	311.4	272.5	252.3	249.6	417.4	797.2	1263.0	1437.4
72.5°	374.5	334.2	289.9	251.0	225.5	196.0	178.5	173.1	269.8	514.0	710.0
75°	268.4	234.9	209.4	183.9	165.1	149.0	135.6	123.5	112.7	128.8	177.2
77.5°	169.1	157.0	136.9	130.2	119.5	115.4	110.1	103.3	95.3	89.9	89.9
80°	114.1	106.0	99.3	98.0	94.0	92.6	94.0	87.2	79.2	72.5	75.2
82.5°	76.5	75.2	73.8	72.5	73.8	75.2	77.8	76.5	69.8	65.8	67.1
85°	45.6	48.3	51.0	53.7	59.1	52.3	42.9	36.2	32.2	29.5	28.2
87.5°	17.4	24.2	21.5	20.1	21.5	20.1	18.8	17.4	14.8	13.4	13.4
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: P527952

CATALOG NUMBER: GALN-SA3A-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6	4109.6
2.5°	4443.8	4470.7	4493.5	4488.1	4441.2	4378.1	4352.6	4222.4	4195.5	4178.1
5°	4504.2	4659.9	4693.5	4673.3	4551.2	4396.9	4246.5	4056.0	3944.6	3940.5
7.5°	4392.8	4584.8	4645.2	4690.8	4528.4	4260.0	4002.3	3716.4	3646.6	3652.0
10°	4109.6	4415.7	4564.6	4611.6	4425.0	4192.9	3835.8	3545.9	3397.0	3394.3
12.5°	3952.6	4192.9	4234.5	4300.2	4245.2	4010.3	3739.2	3414.4	3269.5	3266.8
15°	3813.0	3971.4	3983.5	4076.1	4105.6	3947.2	3764.7	3418.4	3301.7	3289.6
17.5°	3935.2	3825.1	3779.5	3791.6	3878.8	3936.5	3912.3	3646.6	3527.2	3460.0
20°	4017.0	3771.4	3633.2	3646.6	3750.0	3960.7	4132.5	3976.8	3787.5	3795.6
22.5°	4235.8	3779.5	3563.4	3548.6	3712.4	4086.8	4380.8	4394.2	4211.6	4167.4
25°	4563.3	3872.1	3541.9	3537.9	3694.9	4222.4	4670.7	4888.1	4701.5	4619.7
27.5°	4826.3	4017.0	3609.0	3622.4	3750.0	4332.4	4917.6	5206.2	5063.9	4963.2
30°	5057.2	4167.4	3703.0	3641.2	3897.6	4390.2	5023.6	5568.6	5454.5	5371.3
32.5°	5152.5	4380.8	3852.0	3750.0	4019.7	4459.9	5243.8	5920.2	5822.2	5616.9
35°	5313.5	4500.2	3932.5	3924.4	4233.1	4627.7	5347.1	6152.4	6112.1	5929.6
37.5°	5442.4	4621.0	4218.4	4129.8	4525.7	4909.6	5513.5	6473.2	6380.6	6294.7
40°	5541.7	4837.1	4485.4	4602.2	4885.4	5165.9	5666.5	6493.3	6760.4	6510.7
42.5°	5450.4	5030.4	4924.3	5203.5	5471.9	5458.5	5684.0	6649.0	6849.0	6718.8
45°	5427.6	5357.8	5618.2	5871.9	5933.6	5701.4	5559.2	6477.2	6822.1	6764.4
47.5°	5372.6	5680.0	6133.6	6547.0	6453.0	5863.8	5410.2	6446.3	6838.2	6734.9
50°	5353.8	5749.7	6514.8	6917.4	6861.0	6004.8	5340.4	6247.7	6724.1	6714.7
52.5°	5352.5	5893.4	6673.1	7118.7	7153.6	6227.5	5435.7	6348.3	6812.7	6891.9
55°	5412.9	5847.7	6653.0	7007.3	6993.9	6128.2	5446.4	6415.4	6921.4	6999.3
57.5°	5105.5	5238.4	5490.7	5771.2	5698.7	5076.0	4863.9	5930.9	6352.4	6296.0
60°	4408.9	3992.9	3708.3	3694.9	3554.0	3359.4	3980.8	5293.4	5293.4	5238.4
62.5°	3861.3	2621.2	2252.1	2147.4	2248.1	2472.2	3839.9	5148.5	5002.2	4939.1
65°	3376.8	2001.1	1628.0	1598.5	1773.0	2111.2	3472.1	4386.1	4128.4	3919.1
67.5°	2172.9	1465.6	1210.6	1158.3	1369.0	1550.2	2311.2	2697.7	2535.3	2453.4
70°	1401.2	954.3	673.8	632.1	714.0	955.6	1476.4	1573.0	1336.8	1281.7
72.5°	663.0	412.0	236.2	194.6	218.8	365.1	583.8	628.1	522.1	477.8
75°	210.7	151.7	96.6	83.2	79.2	94.0	134.2	103.3	75.2	73.8
77.5°	94.0	89.9	76.5	64.4	56.4	47.0	38.9	32.2	33.6	34.9
80°	77.8	71.1	63.1	56.4	47.0	36.2	28.2	21.5	21.5	22.8
82.5°	68.4	61.7	55.0	47.0	40.3	29.5	21.5	14.8	13.4	13.4
85°	29.5	34.9	37.6	40.3	32.2	24.2	14.8	9.4	8.1	8.1
87.5°	12.1	10.7	9.4	8.1	6.7	6.7	5.4	4.0	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)