

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: P528212

Luminaire Tested: **GALN-SA3B-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528212  
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-SA3B-735-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 800mA 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: 11785 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

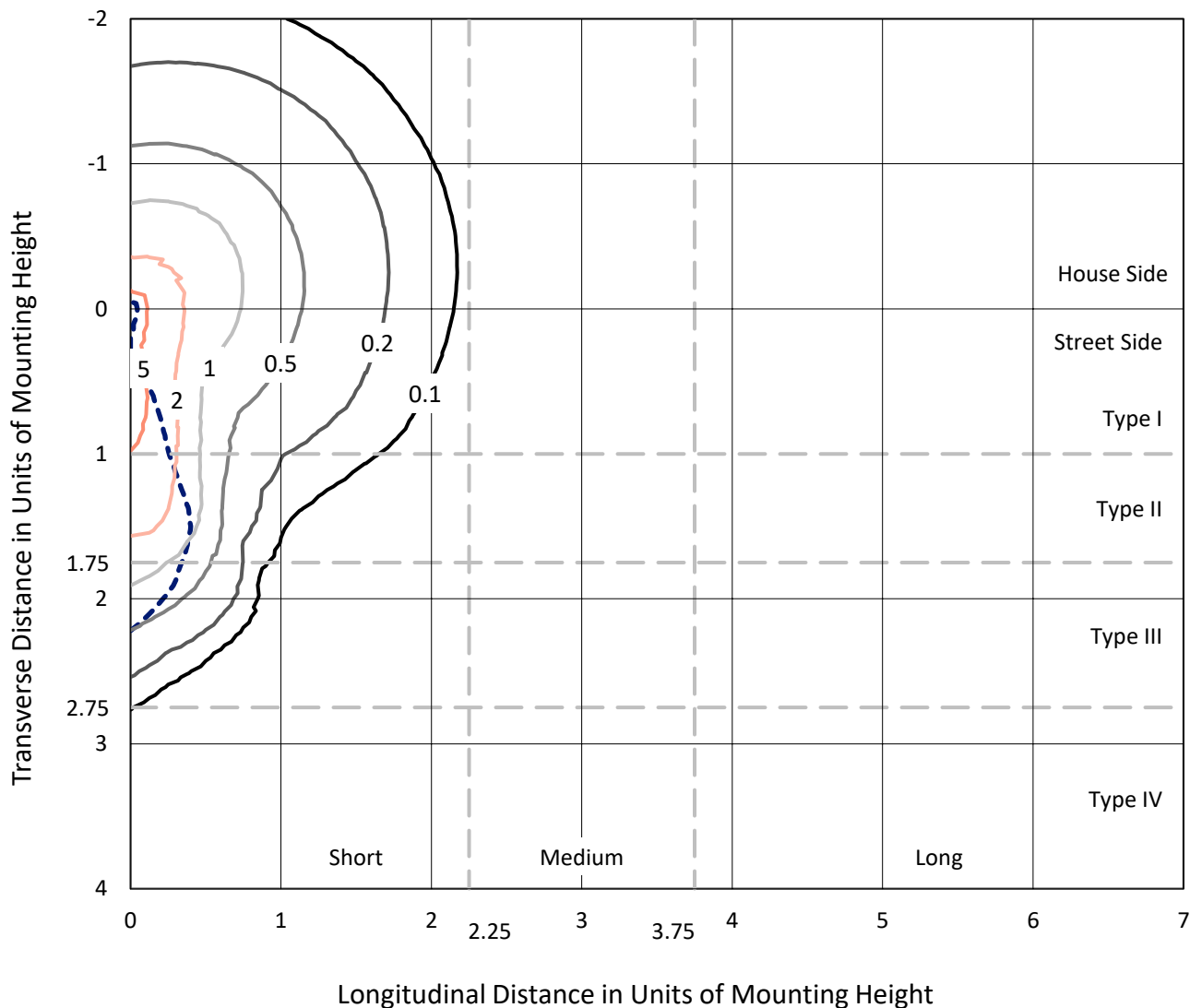
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

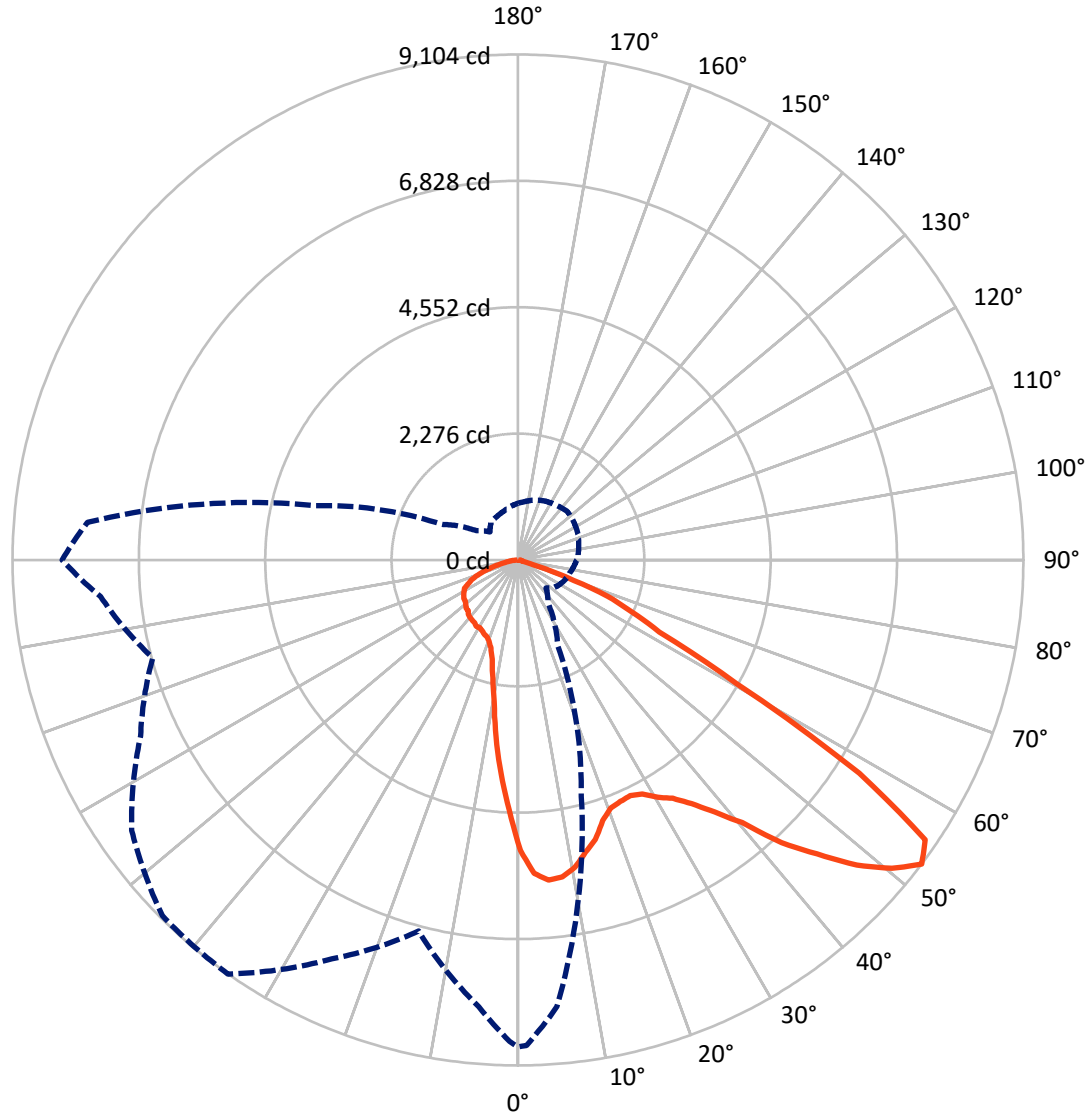
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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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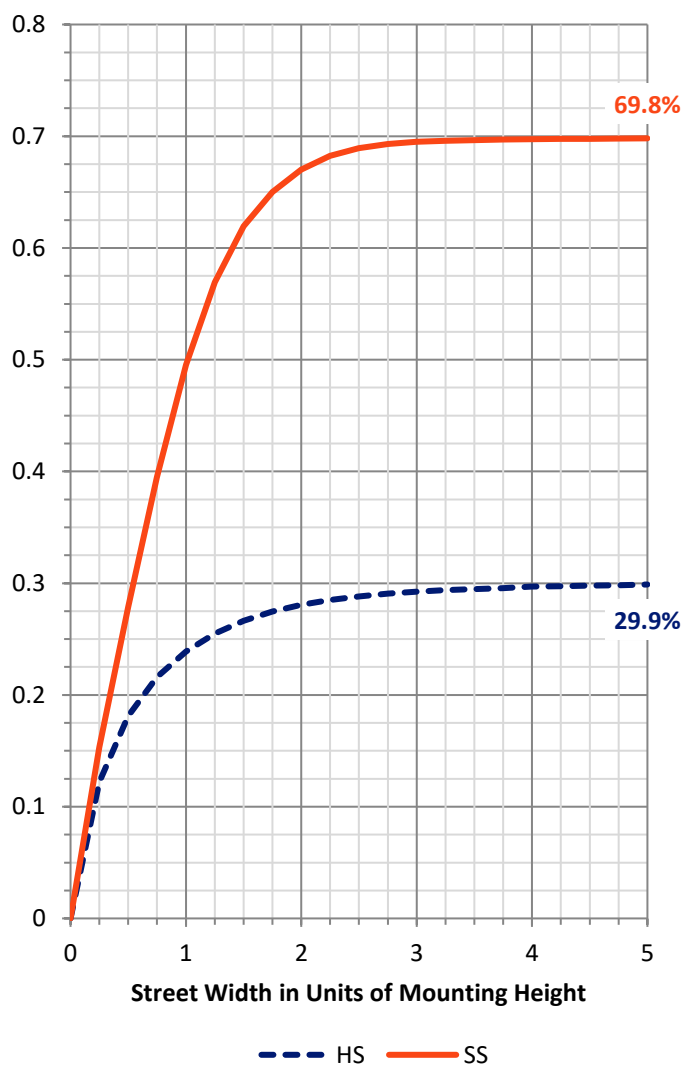
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3552.7	0.0	3552.7
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	8232.3	0.0	8232.3
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	11785.0	0.0	11785.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.0	3.4
10°-20°	865.0	7.3
20°-30°	1307.0	11.1
30°-40°	1888.6	16.0
40°-50°	2513.4	21.3
50°-60°	2811.3	23.9
60°-70°	1584.5	13.4
70°-80°	353.2	3.0
80°-90°	62.9	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°	11785.0	100.0
0°-180°	11785.0	100.0

**Coefficient of Utilization**



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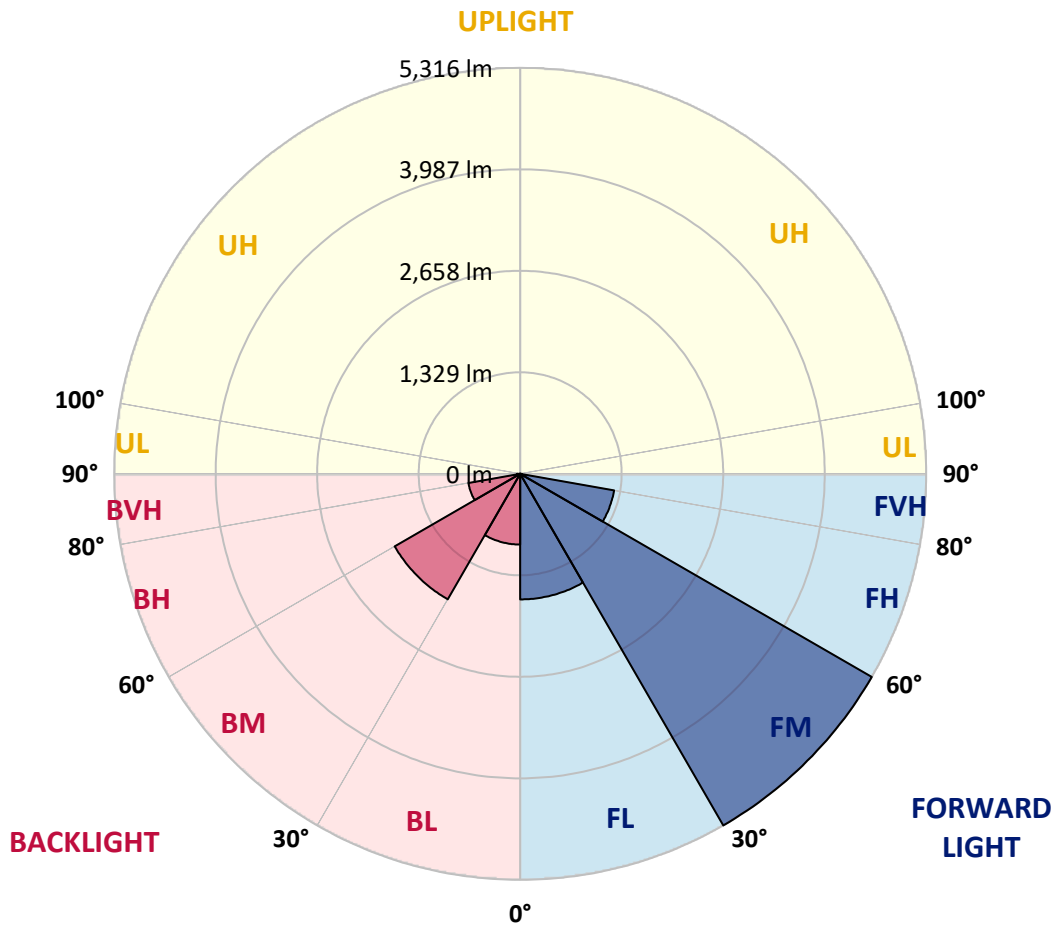
CATALOG NUMBER: GALN-SA3B-735-U-SLR-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.6	14.0			
FM (30°-60°)	5315.9	45.1			
FH (60°-80°)	1249.0	10.6			G1/1800
FVH (80°-90°)	22.8	0.2			G1/100
BL (0°-30°)	926.5	7.9	B2/1000		
BM (30°-60°)	1897.5	16.1	B2/2500		
BH (60°-80°)	688.6	5.8	B2/1000		G2/1000
BVH (80°-90°)	40.1	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°	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3
2.5°	5317.4	5402.8	5310.5	5146.6	5030.4	4924.5	4813.5	4791.3	4646.1	4620.5	4514.6
5°	5015.0	4996.2	4883.5	4668.3	4430.9	4215.6	4056.8	3903.0	3798.9	3677.6	3669.0
7.5°	4647.8	4538.5	4473.6	4147.3	3853.5	3515.3	3370.1	3136.1	3062.7	2953.3	2897.0
10°	4319.8	4239.5	4087.5	3761.3	3351.3	3127.6	2972.1	2845.7	2760.3	2647.6	2505.8
12.5°	4157.6	4125.1	3954.3	3448.7	3144.6	2905.5	2796.2	2673.2	2528.0	2347.0	2276.9
15°	4186.6	4077.3	3947.5	3388.9	2968.7	2738.1	2563.9	2410.2	2224.0	2051.4	1950.7
17.5°	4403.5	4319.8	4060.2	3426.5	2902.1	2569.0	2253.0	2025.8	1858.4	1703.0	1633.0
20°	4830.6	4709.3	4417.2	3474.3	2758.6	2333.3	1971.2	1691.0	1511.7	1429.7	1405.8
22.5°	5303.7	5232.0	4765.6	3581.9	2644.2	2114.6	1672.2	1392.1	1325.5	1303.3	1347.7
25°	5879.3	5693.2	5307.1	3757.9	2555.3	1928.5	1419.4	1264.0	1229.8	1252.1	1303.3
27.5°	6316.6	6267.1	5686.3	3923.5	2434.1	1704.7	1277.7	1175.2	1185.4	1207.6	1255.5
30°	6835.9	6584.8	6053.6	4038.0	2324.7	1551.0	1178.6	1151.3	1161.5	1199.1	1223.0
32.5°	7148.5	7054.5	6284.2	4210.5	2198.3	1417.7	1101.7	1076.1	1091.5	1147.9	1204.2
35°	7546.5	7360.3	6569.4	4254.9	2109.5	1364.8	1047.1	1028.3	1064.2	1103.4	1166.6
37.5°	8011.1	7883.0	6964.0	4224.2	2061.7	1310.1	1001.0	992.4	1018.0	1072.7	1146.1
40°	8286.1	8246.8	7170.7	4243.0	1986.5	1262.3	948.0	958.3	1011.2	1053.9	1125.6
42.5°	8550.8	8294.6	7476.4	4236.1	1938.7	1197.4	953.1	941.2	982.2	1031.7	1100.0
45°	8608.9	8354.4	7548.2	4188.3	1880.6	1134.2	913.8	919.0	968.5	1030.0	1074.4
47.5°	8571.3	8383.4	7681.4	4174.6	1826.0	1089.8	855.8	917.3	946.3	995.8	1059.0
50°	8545.7	8535.5	7794.1	4239.5	1752.5	1019.7	785.7	895.1	924.1	973.6	1042.0
52.5°	8771.2	8749.0	8076.0	4410.4	1694.5	944.6	714.0	838.7	908.7	956.5	1023.2
55°	8907.8	8810.5	8559.4	4620.5	1597.1	845.5	664.5	768.7	871.1	913.8	982.2
57.5°	8012.8	7946.2	7742.9	4313.0	1433.1	715.7	603.0	696.9	819.9	886.5	956.5
60°	6666.8	6562.6	6041.6	3665.6	1057.3	556.8	565.4	640.5	806.2	831.9	913.8
62.5°	6285.9	6027.9	5319.1	2949.9	811.4	478.3	507.3	589.3	734.5	777.2	859.2
65°	4987.7	4796.4	3805.7	2130.0	543.2	415.1	462.9	531.2	633.7	717.4	792.6
67.5°	3122.4	2939.7	2031.0	1007.8	379.2	355.3	413.4	485.1	568.8	644.0	727.7
70°	1631.3	1431.4	937.8	363.8	261.3	290.4	345.0	413.4	495.4	556.8	621.8
72.5°	608.1	493.6	305.8	157.1	181.1	222.1	280.1	329.7	387.7	462.9	498.8
75°	93.9	80.3	78.6	95.7	123.0	160.6	199.8	249.4	300.6	348.5	372.4
77.5°	44.4	42.7	47.8	63.2	82.0	114.4	145.2	193.0	234.0	264.8	278.4
80°	29.0	27.3	30.7	42.7	61.5	85.4	116.2	148.6	186.2	211.8	208.4
82.5°	17.1	18.8	18.8	29.0	42.7	61.5	83.7	112.7	138.4	160.6	146.9
85°	10.2	8.5	8.5	17.1	29.0	49.5	70.0	47.8	49.5	49.5	56.4
87.5°	3.4	3.4	3.4	1.7	3.4	3.4	5.1	8.5	10.2	12.0	15.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3
2.5°	4511.1	4564.1	4545.3	4478.7	4529.9	4538.5	4504.3	4622.2	4644.4	4608.5	4618.7
5°	3657.1	3670.7	3701.5	3766.4	3812.5	3867.2	3867.2	3870.6	3824.5	3940.6	3906.5
7.5°	2849.1	2857.7	2893.6	3031.9	3071.2	3175.4	3219.8	3189.1	3096.8	3057.5	3090.0
10°	2459.7	2410.2	2398.2	2415.3	2504.1	2548.5	2586.1	2575.8	2560.5	2529.7	2495.6
12.5°	2200.1	2164.2	2135.1	2094.2	2099.3	2142.0	2171.0	2147.1	2153.9	2160.8	2171.0
15°	1918.2	1892.6	1877.2	1815.7	1808.9	1837.9	1848.2	1861.8	1887.5	1889.2	1877.2
17.5°	1619.3	1597.1	1631.3	1665.4	1641.5	1643.2	1662.0	1674.0	1667.1	1636.4	1621.0
20°	1414.3	1438.2	1472.4	1504.9	1530.5	1545.8	1552.7	1533.9	1511.7	1448.5	1446.8
22.5°	1354.5	1385.3	1414.3	1463.9	1487.8	1527.1	1491.2	1448.5	1417.7	1387.0	1351.1
25°	1310.1	1335.7	1393.8	1412.6	1458.7	1491.2	1465.6	1422.9	1369.9	1325.5	1298.2
27.5°	1277.7	1306.7	1344.3	1395.5	1431.4	1450.2	1424.6	1407.5	1352.8	1299.9	1260.6
30°	1257.2	1287.9	1356.2	1398.9	1429.7	1445.1	1400.7	1380.2	1340.9	1296.5	1262.3
32.5°	1243.5	1270.8	1328.9	1383.6	1404.1	1404.1	1410.9	1387.0	1332.3	1257.2	1228.1
35°	1199.1	1236.7	1284.5	1347.7	1385.3	1407.5	1373.3	1346.0	1310.1	1233.3	1180.3
37.5°	1173.5	1199.1	1260.6	1320.4	1352.8	1376.7	1363.1	1315.3	1267.4	1204.2	1161.5
40°	1146.1	1187.1	1241.8	1298.2	1334.0	1358.0	1347.7	1291.3	1233.3	1173.5	1144.4
42.5°	1127.4	1154.7	1211.1	1274.3	1317.0	1363.1	1332.3	1262.3	1221.3	1139.3	1106.9
45°	1112.0	1156.4	1216.2	1241.8	1286.2	1334.0	1279.4	1236.7	1188.8	1129.1	1101.7
47.5°	1093.2	1134.2	1173.5	1241.8	1262.3	1284.5	1274.3	1205.9	1164.9	1100.0	1081.2
50°	1086.4	1101.7	1173.5	1211.1	1240.1	1262.3	1235.0	1183.7	1144.4	1077.8	1036.8
52.5°	1059.0	1088.1	1134.2	1183.7	1219.6	1246.9	1202.5	1170.1	1117.1	1047.1	1021.5
55°	1024.9	1042.0	1123.9	1175.2	1194.0	1212.8	1195.7	1142.7	1088.1	1016.3	990.7
57.5°	980.5	1019.7	1086.4	1158.1	1182.0	1192.3	1164.9	1122.2	1053.9	990.7	949.7
60°	934.3	975.3	1048.8	1106.9	1130.8	1168.4	1127.4	1101.7	1023.2	953.1	908.7
62.5°	888.2	934.3	989.0	1062.4	1082.9	1098.3	1088.1	1052.2	989.0	910.4	855.8
65°	833.6	867.7	936.0	973.6	987.3	1023.2	987.3	973.6	917.3	842.1	796.0
67.5°	751.6	780.6	840.4	876.3	886.5	901.9	900.2	884.8	821.6	770.4	729.4
70°	657.6	683.2	720.8	763.5	768.7	787.4	770.4	766.9	725.9	655.9	633.7
72.5°	527.8	551.7	601.3	620.0	621.8	628.6	620.0	608.1	597.8	524.4	502.2
75°	404.8	418.5	442.4	459.5	459.5	468.0	462.9	450.9	423.6	377.5	355.3
77.5°	281.8	295.5	326.3	336.5	334.8	338.2	322.8	310.9	269.9	246.0	227.2
80°	205.0	213.5	228.9	235.7	237.4	242.6	223.8	213.5	189.6	162.3	153.7
82.5°	148.6	153.7	155.4	164.0	164.0	155.4	150.3	140.1	123.0	105.9	99.1
85°	61.5	63.2	64.9	75.2	76.9	92.2	85.4	80.3	70.0	59.8	54.7
87.5°	15.4	17.1	22.2	18.8	22.2	22.2	23.9	27.3	27.3	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°	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3
2.5°	4658.0	4671.7	4845.9	4868.1	4953.5	5040.7	5216.6	5343.0	5445.5	5512.1	5530.9
5°	3942.3	4029.4	4109.7	4239.5	4357.4	4524.8	4717.8	4957.0	5257.6	5411.3	5472.8
7.5°	3086.6	3189.1	3305.2	3431.6	3604.1	3904.8	4162.7	4439.4	4823.7	4982.6	5223.4
10°	2519.5	2633.9	2787.6	2885.0	3093.4	3380.4	3681.0	4000.4	4367.7	4596.5	4875.0
12.5°	2227.4	2321.3	2463.1	2668.1	2823.5	3009.7	3233.5	3636.6	4162.7	4379.6	4570.9
15°	1904.6	2008.7	2172.7	2399.9	2586.1	2808.1	3059.2	3498.2	4058.5	4393.3	4555.5
17.5°	1638.1	1713.2	1885.8	2082.2	2295.7	2538.3	2898.7	3491.4	4167.8	4596.5	4861.3
20°	1453.6	1463.9	1557.8	1725.2	2015.6	2331.6	2799.6	3457.2	4518.0	4946.7	5281.5
22.5°	1337.5	1327.2	1328.9	1470.7	1674.0	2128.3	2644.2	3573.4	4916.0	5503.6	5729.0
25°	1279.4	1252.1	1235.0	1265.7	1450.2	1887.5	2526.3	3727.1	5344.7	5963.0	6239.8
27.5°	1248.6	1200.8	1166.6	1171.8	1306.7	1766.2	2452.9	3793.7	5770.0	6603.6	6700.9
30°	1236.7	1176.9	1127.4	1110.3	1199.1	1597.1	2295.7	3908.2	6150.9	6955.5	7039.2
32.5°	1194.0	1120.5	1072.7	1057.3	1093.2	1448.5	2183.0	3990.2	6487.4	7338.1	7309.0
35°	1144.4	1082.9	1023.2	994.1	1019.7	1352.8	2092.4	3950.9	6883.7	7635.3	7619.9
37.5°	1139.3	1059.0	1009.5	961.7	960.0	1235.0	1969.5	3988.5	7136.5	8168.2	7958.1
40°	1094.9	1043.7	978.8	939.5	917.3	1175.2	1849.9	3899.6	7507.2	8383.4	8176.8
42.5°	1096.6	1019.7	963.4	917.3	895.1	1088.1	1767.9	3875.7	7637.0	8733.6	8279.2
45°	1069.3	994.1	946.3	891.6	879.7	1021.5	1689.3	3764.7	7865.9	8750.7	8151.1
47.5°	1042.0	975.3	924.1	859.2	831.9	997.5	1627.8	3672.5	7746.3	8590.1	7973.5
50°	1023.2	946.3	898.5	852.4	775.5	956.5	1547.6	3650.2	7578.9	8373.2	7643.8
52.5°	990.7	922.4	872.8	837.0	714.0	919.0	1516.8	3780.1	7783.9	8210.9	7548.2
55°	960.0	889.9	826.7	756.7	662.7	819.9	1431.4	3901.3	8082.8	8585.0	7982.0
57.5°	927.5	860.9	792.6	708.9	613.2	717.4	1342.6	3923.5	7522.5	7934.2	7577.2
60°	884.8	799.4	748.2	638.8	560.3	594.4	1064.2	3458.9	5834.9	6625.8	6637.7
62.5°	837.0	744.7	700.3	572.2	505.6	512.4	867.7	2907.2	4733.2	5484.8	5811.0
65°	773.8	685.0	632.0	529.5	466.3	444.1	635.4	2130.0	3595.6	4449.6	4820.3
67.5°	691.8	608.1	541.5	461.2	416.8	380.9	433.9	1199.1	2123.2	2987.5	3100.2
70°	604.7	532.9	462.9	396.3	346.7	321.1	317.7	531.2	1014.6	1607.3	1829.4
72.5°	476.6	425.3	369.0	319.4	287.0	249.4	227.2	220.3	343.3	654.2	903.6
75°	341.6	298.9	266.5	234.0	210.1	189.6	172.5	157.1	143.5	164.0	225.5
77.5°	215.2	199.8	174.2	165.7	152.0	146.9	140.1	131.5	121.3	114.4	114.4
80°	145.2	134.9	126.4	124.7	119.6	117.9	119.6	111.0	100.8	92.2	95.7
82.5°	97.4	95.7	93.9	92.2	93.9	95.7	99.1	97.4	88.8	83.7	85.4
85°	58.1	61.5	64.9	68.3	75.2	66.6	54.7	46.1	41.0	37.6	35.9
87.5°	22.2	30.7	27.3	25.6	27.3	25.6	23.9	22.2	18.8	17.1	17.1
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: P528212

CATALOG NUMBER: GALN-SA3B-735-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3	5230.3
2.5°	5655.6	5689.7	5718.8	5711.9	5652.2	5571.9	5539.4	5373.7	5339.6	5317.4
5°	5732.4	5930.6	5973.3	5947.7	5792.2	5595.8	5404.5	5161.9	5020.2	5015.0
7.5°	5590.7	5834.9	5911.8	5969.9	5763.2	5421.6	5093.6	4729.8	4641.0	4647.8
10°	5230.3	5619.7	5809.3	5869.1	5631.7	5336.2	4881.8	4512.8	4323.2	4319.8
12.5°	5030.4	5336.2	5389.1	5472.8	5402.8	5103.9	4758.8	4345.5	4161.0	4157.6
15°	4852.8	5054.3	5069.7	5187.6	5225.1	5023.6	4791.3	4350.6	4202.0	4186.6
17.5°	5008.2	4868.1	4810.1	4825.4	4936.5	5009.9	4979.2	4641.0	4488.9	4403.5
20°	5112.4	4799.8	4623.9	4641.0	4772.5	5040.7	5259.3	5061.2	4820.3	4830.6
22.5°	5390.8	4810.1	4535.1	4516.3	4724.7	5201.2	5575.3	5592.4	5360.1	5303.7
25°	5807.6	4927.9	4507.7	4502.6	4702.4	5373.7	5944.2	6221.0	5983.5	5879.3
27.5°	6142.4	5112.4	4593.1	4610.2	4772.5	5513.8	6258.5	6625.8	6444.7	6316.6
30°	6436.2	5303.7	4712.7	4634.1	4960.4	5587.3	6393.5	7087.0	6941.8	6835.9
32.5°	6557.5	5575.3	4902.3	4772.5	5115.8	5676.1	6673.6	7534.5	7409.8	7148.5
35°	6762.4	5727.3	5004.8	4994.5	5387.4	5889.6	6805.1	7830.0	7778.8	7546.5
37.5°	6926.4	5881.0	5368.6	5255.9	5759.8	6248.3	7016.9	8238.3	8120.4	8011.1
40°	7052.8	6156.1	5708.5	5857.1	6217.5	6574.5	7211.7	8263.9	8603.8	8286.1
42.5°	6936.7	6402.0	6267.1	6622.4	6964.0	6946.9	7233.9	8462.0	8716.5	8550.8
45°	6907.6	6818.8	7150.2	7473.0	7551.6	7256.1	7075.0	8243.4	8682.4	8608.9
47.5°	6837.6	7228.8	7806.1	8332.2	8212.6	7462.8	6885.4	8204.1	8702.9	8571.3
50°	6813.7	7317.6	8291.2	8803.6	8731.9	7642.1	6796.6	7951.3	8557.7	8545.7
52.5°	6812.0	7500.3	8492.8	9059.9	9104.3	7925.7	6917.9	8079.4	8670.4	8771.2
55°	6888.8	7442.3	8467.1	8918.1	8901.0	7799.3	6931.5	8164.8	8808.8	8907.8
57.5°	6497.7	6666.8	6987.9	7344.9	7252.7	6460.1	6190.2	7548.2	8084.5	8012.8
60°	5611.2	5081.6	4719.5	4702.4	4523.1	4275.4	5066.3	6736.8	6736.8	6666.8
62.5°	4914.3	3336.0	2866.2	2733.0	2861.1	3146.4	4886.9	6552.3	6366.2	6285.9
65°	4297.6	2546.8	2071.9	2034.4	2256.4	2686.9	4418.9	5582.1	5254.2	4987.7
67.5°	2765.4	1865.3	1540.7	1474.1	1742.3	1972.9	2941.4	3433.3	3226.6	3122.4
70°	1783.3	1214.5	857.5	804.5	908.7	1216.2	1878.9	2001.9	1701.3	1631.3
72.5°	843.8	524.4	300.6	247.7	278.4	464.6	743.0	799.4	664.5	608.1
75°	268.2	193.0	123.0	105.9	100.8	119.6	170.8	131.5	95.7	93.9
77.5°	119.6	114.4	97.4	82.0	71.7	59.8	49.5	41.0	42.7	44.4
80°	99.1	90.5	80.3	71.7	59.8	46.1	35.9	27.3	27.3	29.0
82.5°	87.1	78.6	70.0	59.8	51.2	37.6	27.3	18.8	17.1	17.1
85°	37.6	44.4	47.8	51.2	41.0	30.7	18.8	12.0	10.2	10.2
87.5°	15.4	13.7	12.0	10.2	8.5	8.5	6.8	5.1	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)