

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: P528160

Luminaire Tested: **GALN-SA3B-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528160
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-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 10580 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

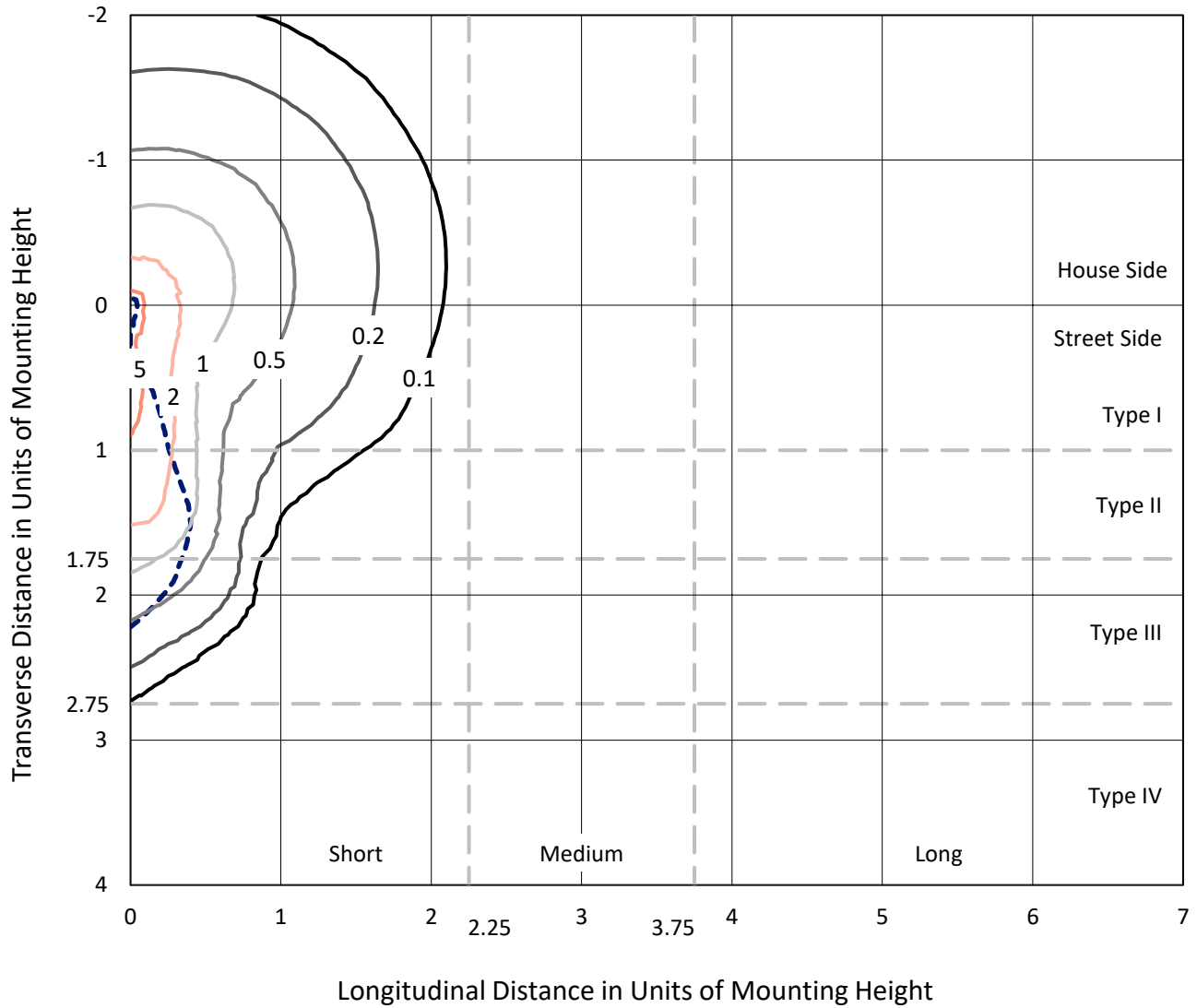
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

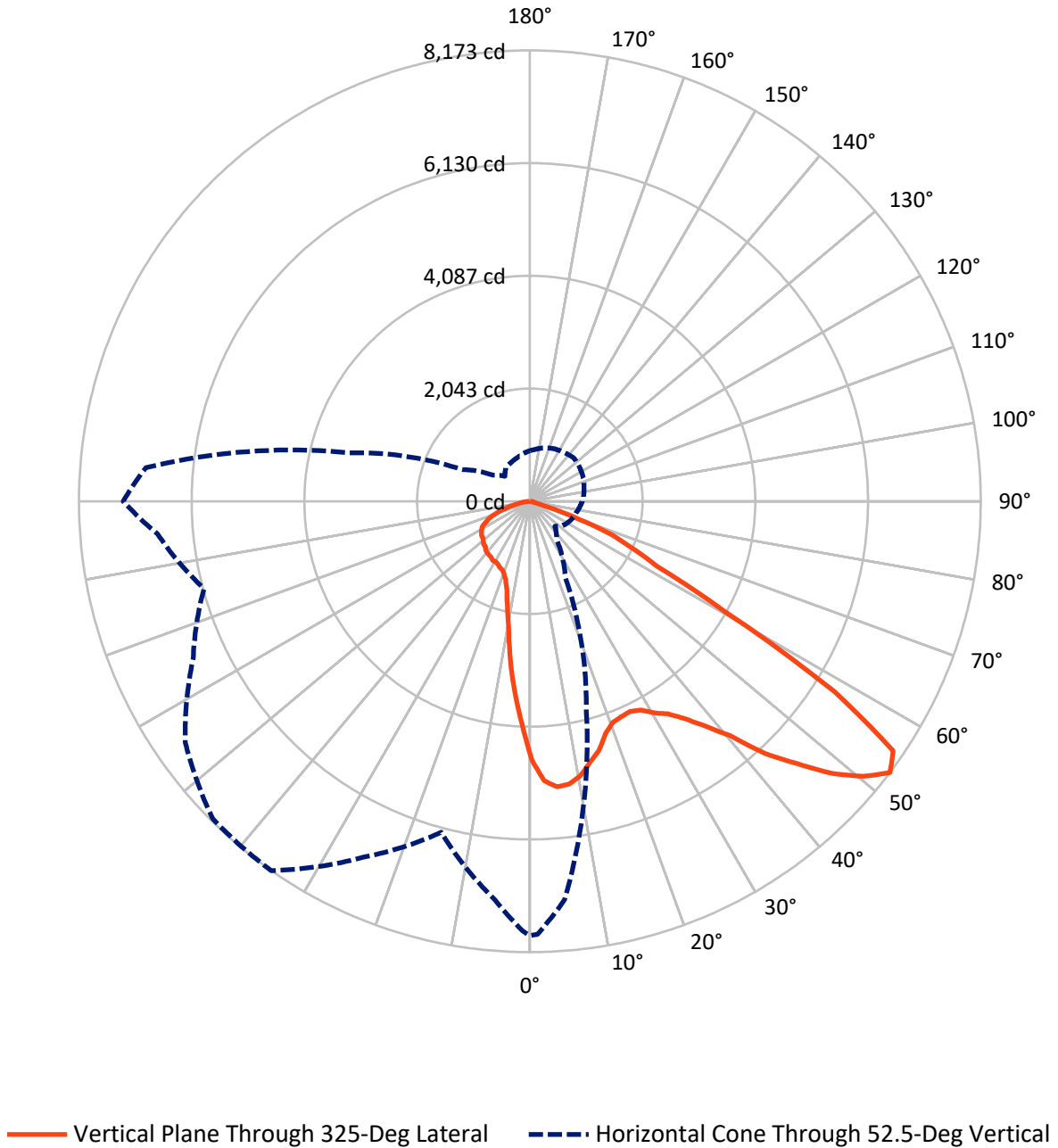
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	3189.4	0.0	3189.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	7390.6	0.0	7390.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	10580.0	0.0	10580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	3.4
10°-20°	776.6	7.3
20°-30°	1173.3	11.1
30°-40°	1695.5	16.0
40°-50°	2256.4	21.3
50°-60°	2523.9	23.9
60°-70°	1422.4	13.4
70°-80°	317.1	3.0
80°-90°	56.5	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°	10580.0	100.0
0°-180°	10580.0	100.0

Coefficient of Utilization



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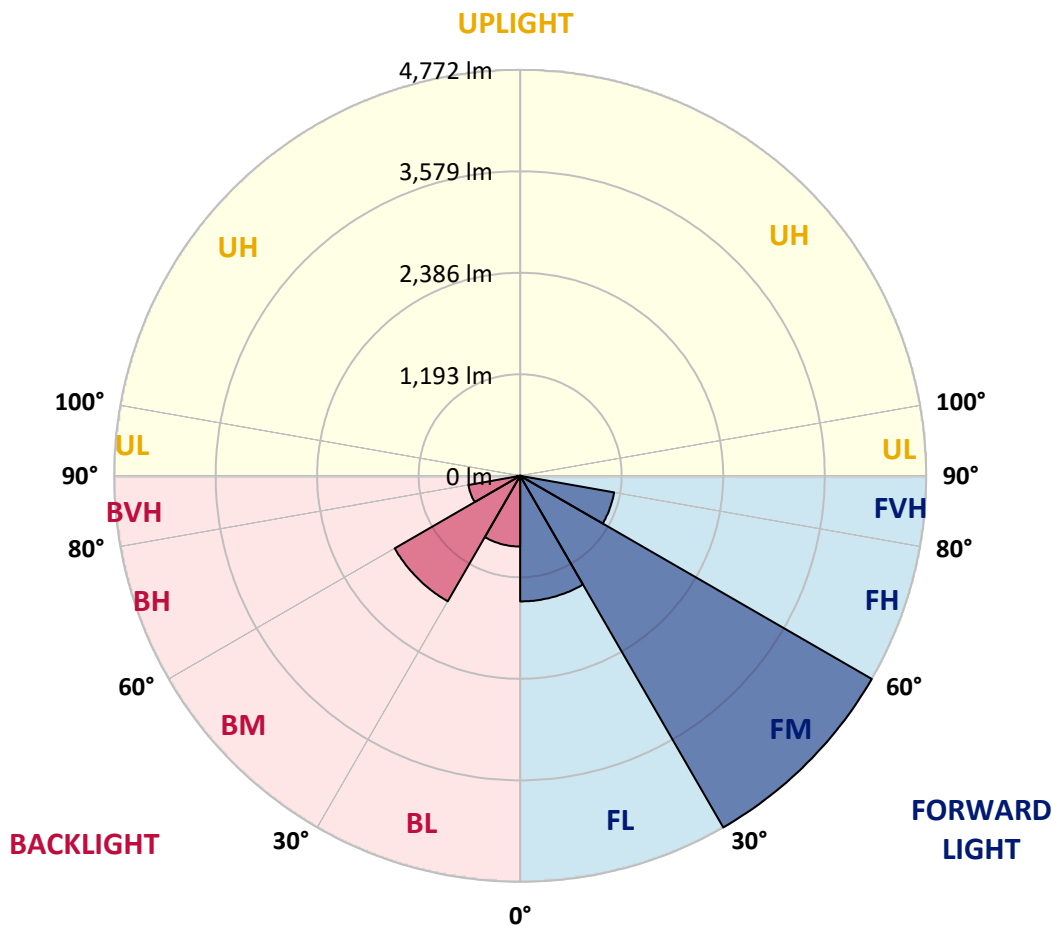
CATALOG NUMBER: GALN-SA3B-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.4	14.0			
FM (30°-60°)	4772.4	45.1			
FH (60°-80°)	1121.3	10.6			G1/1800
FVH (80°-90°)	20.4	0.2			G1/100
BL (0°-30°)	831.7	7.9	B2/1000		
BM (30°-60°)	1703.5	16.1	B2/2500		
BH (60°-80°)	618.2	5.8	B2/1000		G2/1000
BVH (80°-90°)	36.0	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°	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5
2.5°	4773.7	4850.3	4767.5	4620.3	4516.1	4421.0	4321.3	4301.4	4171.0	4148.0	4052.9
5°	4502.3	4485.4	4384.2	4191.0	3977.8	3784.6	3642.0	3504.0	3410.4	3301.5	3293.9
7.5°	4172.6	4074.4	4016.1	3723.3	3459.5	3155.9	3025.5	2815.4	2749.5	2651.4	2600.8
10°	3878.1	3806.1	3669.6	3376.7	3008.7	2807.8	2668.2	2554.8	2478.1	2376.9	2249.6
12.5°	3732.5	3703.3	3550.0	3096.1	2823.1	2608.4	2510.3	2399.9	2269.5	2107.0	2044.1
15°	3758.5	3660.4	3543.8	3042.4	2665.2	2458.1	2301.7	2163.7	1996.6	1841.7	1751.2
17.5°	3953.3	3878.1	3645.0	3076.1	2605.4	2306.3	2022.6	1818.7	1668.4	1528.9	1466.0
20°	4336.6	4227.8	3965.5	3119.1	2476.5	2094.7	1769.6	1518.1	1357.1	1283.5	1262.0
22.5°	4761.4	4697.0	4278.4	3215.7	2373.8	1898.4	1501.3	1249.8	1190.0	1170.0	1209.9
25°	5278.2	5111.0	4764.5	3373.6	2294.1	1731.3	1274.3	1134.8	1104.1	1124.0	1170.0
27.5°	5670.8	5626.3	5104.9	3522.4	2185.2	1530.4	1147.0	1055.0	1064.2	1084.2	1127.1
30°	6136.9	5911.5	5434.6	3625.1	2087.0	1392.4	1058.1	1033.6	1042.8	1076.5	1098.0
32.5°	6417.5	6333.2	5641.6	3780.0	1973.6	1272.8	989.1	966.1	979.9	1030.5	1081.1
35°	6774.8	6607.7	5897.7	3819.9	1893.8	1225.2	940.0	923.1	955.3	990.6	1047.4
37.5°	7191.9	7076.9	6251.9	3792.3	1850.9	1176.2	898.6	890.9	913.9	963.0	1029.0
40°	7438.8	7403.6	6437.5	3809.1	1783.4	1133.2	851.1	860.3	907.8	946.1	1010.6
42.5°	7676.5	7446.5	6712.0	3803.0	1740.5	1075.0	855.7	844.9	881.7	926.2	987.6
45°	7728.7	7500.2	6776.4	3760.1	1688.3	1018.2	820.4	825.0	869.5	924.7	964.5
47.5°	7694.9	7526.2	6896.0	3747.8	1639.3	978.4	768.3	823.5	849.5	894.0	950.7
50°	7671.9	7662.7	6997.2	3806.1	1573.3	915.5	705.4	803.5	829.6	874.1	935.4
52.5°	7874.3	7854.4	7250.2	3959.4	1521.2	848.0	641.0	752.9	815.8	858.7	918.5
55°	7997.0	7909.6	7684.2	4148.0	1433.8	759.1	596.5	690.1	782.1	820.4	881.7
57.5°	7193.5	7133.7	6951.2	3872.0	1286.6	642.5	541.3	625.7	736.1	795.9	858.7
60°	5985.1	5891.6	5423.9	3290.8	949.2	499.9	507.6	575.0	723.8	746.8	820.4
62.5°	5643.2	5411.6	4775.2	2648.3	728.4	429.4	455.4	529.0	659.4	697.7	771.3
65°	4477.7	4306.0	3416.6	1912.2	487.6	372.6	415.6	476.9	568.9	644.1	711.5
67.5°	2803.2	2639.1	1823.3	904.7	340.4	319.0	371.1	435.5	510.6	578.1	653.3
70°	1464.5	1285.0	841.9	326.6	234.6	260.7	309.8	371.1	444.7	499.9	558.2
72.5°	545.9	443.2	274.5	141.1	162.5	199.4	251.5	296.0	348.1	415.6	447.8
75°	84.3	72.1	70.5	85.9	110.4	144.1	179.4	223.9	269.9	312.8	334.3
77.5°	39.9	38.3	42.9	56.7	73.6	102.7	130.3	173.3	210.1	237.7	250.0
80°	26.1	24.5	27.6	38.3	55.2	76.7	104.3	133.4	167.1	190.1	187.1
82.5°	15.3	16.9	16.9	26.1	38.3	55.2	75.1	101.2	124.2	144.1	131.9
85°	9.2	7.7	7.7	15.3	26.1	44.5	62.9	42.9	44.5	44.5	50.6
87.5°	3.1	3.1	3.1	1.5	3.1	3.1	4.6	7.7	9.2	10.7	13.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5
2.5°	4049.9	4097.4	4080.5	4020.7	4066.7	4074.4	4043.7	4149.6	4169.5	4137.3	4146.5
5°	3283.1	3295.4	3323.0	3381.3	3422.7	3471.8	3471.8	3474.8	3433.4	3537.7	3507.0
7.5°	2557.8	2565.5	2597.7	2721.9	2757.2	2850.7	2890.6	2863.0	2780.2	2744.9	2774.0
10°	2208.2	2163.7	2153.0	2168.3	2248.1	2287.9	2321.7	2312.5	2298.7	2271.1	2240.4
12.5°	1975.1	1942.9	1916.8	1880.0	1884.6	1923.0	1949.0	1927.6	1933.7	1939.8	1949.0
15°	1722.1	1699.1	1685.3	1630.1	1623.9	1650.0	1659.2	1671.5	1694.5	1696.0	1685.3
17.5°	1453.7	1433.8	1464.5	1495.1	1473.7	1475.2	1492.1	1502.8	1496.7	1469.1	1455.3
20°	1269.7	1291.2	1321.8	1351.0	1374.0	1387.8	1393.9	1377.1	1357.1	1300.4	1298.8
22.5°	1216.0	1243.6	1269.7	1314.2	1335.6	1370.9	1338.7	1300.4	1272.8	1245.2	1213.0
25°	1176.2	1199.2	1251.3	1268.2	1309.6	1338.7	1315.7	1277.4	1229.8	1190.0	1165.4
27.5°	1147.0	1173.1	1206.8	1252.8	1285.0	1301.9	1278.9	1263.6	1214.5	1167.0	1131.7
30°	1128.6	1156.2	1217.6	1255.9	1283.5	1297.3	1257.4	1239.0	1203.8	1163.9	1133.2
32.5°	1116.4	1140.9	1193.0	1242.1	1260.5	1260.5	1266.6	1245.2	1196.1	1128.6	1102.6
35°	1076.5	1110.2	1153.2	1209.9	1243.6	1263.6	1232.9	1208.4	1176.2	1107.2	1059.6
37.5°	1053.5	1076.5	1131.7	1185.4	1214.5	1236.0	1223.7	1180.8	1137.8	1081.1	1042.8
40°	1029.0	1065.8	1114.8	1165.4	1197.6	1219.1	1209.9	1159.3	1107.2	1053.5	1027.4
42.5°	1012.1	1036.6	1087.2	1144.0	1182.3	1223.7	1196.1	1133.2	1096.4	1022.8	993.7
45°	998.3	1038.2	1091.8	1114.8	1154.7	1197.6	1148.6	1110.2	1067.3	1013.6	989.1
47.5°	981.4	1018.2	1053.5	1114.8	1133.2	1153.2	1144.0	1082.6	1045.8	987.6	970.7
50°	975.3	989.1	1053.5	1087.2	1113.3	1133.2	1108.7	1062.7	1027.4	967.6	930.8
52.5°	950.7	976.8	1018.2	1062.7	1094.9	1119.4	1079.6	1050.4	1002.9	940.0	917.0
55°	920.1	935.4	1009.0	1055.0	1071.9	1088.8	1073.4	1025.9	976.8	912.4	889.4
57.5°	880.2	915.5	975.3	1039.7	1061.2	1070.4	1045.8	1007.5	946.1	889.4	852.6
60°	838.8	875.6	941.5	993.7	1015.2	1048.9	1012.1	989.1	918.5	855.7	815.8
62.5°	797.4	838.8	887.9	953.8	972.2	986.0	976.8	944.6	887.9	817.3	768.3
65°	748.3	779.0	840.3	874.1	886.3	918.5	886.3	874.1	823.5	756.0	714.6
67.5°	674.7	700.8	754.5	786.7	795.9	809.7	808.1	794.3	737.6	691.6	654.8
70°	590.4	613.4	647.1	685.5	690.1	706.9	691.6	688.5	651.7	588.9	568.9
72.5°	473.8	495.3	539.8	556.6	558.2	564.3	556.6	545.9	536.7	470.8	450.8
75°	363.4	375.7	397.2	412.5	412.5	420.2	415.6	404.8	380.3	338.9	319.0
77.5°	253.0	265.3	292.9	302.1	300.6	303.6	289.8	279.1	242.3	220.8	204.0
80°	184.0	191.7	205.5	211.6	213.2	217.8	200.9	191.7	170.2	145.7	138.0
82.5°	133.4	138.0	139.5	147.2	147.2	139.5	134.9	125.7	110.4	95.1	88.9
85°	55.2	56.7	58.3	67.5	69.0	82.8	76.7	72.1	62.9	53.7	49.1
87.5°	13.8	15.3	19.9	16.9	19.9	19.9	21.5	24.5	24.5	19.9	19.9
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°	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5
2.5°	4181.8	4194.0	4350.4	4370.4	4447.0	4525.3	4683.2	4796.7	4888.7	4948.5	4965.4
5°	3539.2	3617.4	3689.5	3806.1	3911.9	4062.1	4235.4	4450.1	4720.0	4858.0	4913.2
7.5°	2771.0	2863.0	2967.3	3080.7	3235.6	3505.5	3737.1	3985.5	4330.5	4473.1	4689.3
10°	2261.9	2364.6	2502.6	2590.0	2777.1	3034.7	3304.6	3591.4	3921.1	4126.6	4376.5
12.5°	1999.6	2084.0	2211.3	2395.3	2534.8	2702.0	2902.8	3264.7	3737.1	3931.8	4103.6
15°	1709.8	1803.4	1950.6	2154.5	2321.7	2521.0	2746.4	3140.5	3643.5	3944.1	4089.8
17.5°	1470.6	1538.1	1692.9	1869.3	2061.0	2278.7	2602.3	3134.4	3741.7	4126.6	4364.2
20°	1305.0	1314.2	1398.5	1548.8	1809.5	2093.2	2513.3	3103.7	4056.0	4440.9	4741.5
22.5°	1200.7	1191.5	1193.0	1320.3	1502.8	1910.7	2373.8	3208.0	4413.3	4940.8	5143.2
25°	1148.6	1124.0	1108.7	1136.3	1301.9	1694.5	2268.0	3346.0	4798.2	5353.3	5601.7
27.5°	1121.0	1078.0	1047.4	1052.0	1173.1	1585.6	2202.1	3405.8	5180.0	5928.4	6015.8
30°	1110.2	1056.6	1012.1	996.8	1076.5	1433.8	2061.0	3508.6	5522.0	6244.3	6319.4
32.5°	1071.9	1006.0	963.0	949.2	981.4	1300.4	1959.8	3582.2	5824.1	6587.8	6561.7
35°	1027.4	972.2	918.5	892.5	915.5	1214.5	1878.5	3546.9	6179.9	6854.6	6840.8
37.5°	1022.8	950.7	906.3	863.3	861.8	1108.7	1768.1	3580.6	6406.8	7333.0	7144.4
40°	983.0	936.9	878.7	843.4	823.5	1055.0	1660.7	3500.9	6739.6	7526.2	7340.7
42.5°	984.5	915.5	864.9	823.5	803.5	976.8	1587.1	3479.4	6856.1	7840.6	7432.7
45°	959.9	892.5	849.5	800.5	789.7	917.0	1516.6	3379.8	7061.6	7855.9	7317.7
47.5°	935.4	875.6	829.6	771.3	746.8	895.5	1461.4	3296.9	6954.3	7711.8	7158.2
50°	918.5	849.5	806.6	765.2	696.2	858.7	1389.3	3277.0	6804.0	7517.0	6862.3
52.5°	889.4	828.1	783.6	751.4	641.0	825.0	1361.7	3393.6	6988.0	7371.4	6776.4
55°	861.8	798.9	742.2	679.3	595.0	736.1	1285.0	3502.4	7256.4	7707.2	7165.9
57.5°	832.7	772.9	711.5	636.4	550.5	644.1	1205.3	3522.4	6753.4	7122.9	6802.4
60°	794.3	717.7	671.7	573.5	503.0	533.6	955.3	3105.3	5238.3	5948.3	5959.0
62.5°	751.4	668.6	628.7	513.7	453.9	460.0	779.0	2610.0	4249.2	4924.0	5216.8
65°	694.7	614.9	567.4	475.4	418.6	398.7	570.4	1912.2	3227.9	3994.7	4327.4
67.5°	621.1	545.9	486.1	414.0	374.2	342.0	389.5	1076.5	1906.1	2682.0	2783.2
70°	542.8	478.4	415.6	355.8	311.3	288.3	285.2	476.9	910.9	1443.0	1642.3
72.5°	427.8	381.8	331.2	286.8	257.6	223.9	204.0	197.8	308.2	587.3	811.2
75°	306.7	268.4	239.2	210.1	188.6	170.2	154.9	141.1	128.8	147.2	202.4
77.5°	193.2	179.4	156.4	148.7	136.5	131.9	125.7	118.1	108.9	102.7	102.7
80°	130.3	121.1	113.5	111.9	107.3	105.8	107.3	99.7	90.5	82.8	85.9
82.5°	87.4	85.9	84.3	82.8	84.3	85.9	88.9	87.4	79.7	75.1	76.7
85°	52.1	55.2	58.3	61.3	67.5	59.8	49.1	41.4	36.8	33.7	32.2
87.5°	19.9	27.6	24.5	23.0	24.5	23.0	21.5	19.9	16.9	15.3	15.3
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: P528160

CATALOG NUMBER: GALN-SA3B-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5	4695.5
2.5°	5077.3	5108.0	5134.0	5127.9	5074.2	5002.2	4973.0	4824.3	4793.6	4773.7
5°	5146.3	5324.2	5362.5	5339.5	5200.0	5023.6	4851.9	4634.1	4506.9	4502.3
7.5°	5019.0	5238.3	5307.3	5359.5	5173.9	4867.2	4572.8	4246.2	4166.4	4172.6
10°	4695.5	5045.1	5215.3	5269.0	5055.8	4790.5	4382.6	4051.4	3881.2	3878.1
12.5°	4516.1	4790.5	4838.1	4913.2	4850.3	4582.0	4272.2	3901.1	3735.5	3732.5
15°	4356.6	4537.5	4551.3	4657.1	4690.9	4509.9	4301.4	3905.7	3772.3	3758.5
17.5°	4496.1	4370.4	4318.2	4332.0	4431.7	4497.7	4470.0	4166.4	4029.9	3953.3
20°	4589.7	4309.0	4151.1	4166.4	4284.5	4525.3	4721.5	4543.7	4327.4	4336.6
22.5°	4839.6	4318.2	4071.3	4054.5	4241.6	4669.4	5005.2	5020.6	4812.0	4761.4
25°	5213.8	4424.0	4046.8	4042.2	4221.6	4824.3	5336.5	5584.9	5371.7	5278.2
27.5°	5514.3	4589.7	4123.5	4138.8	4284.5	4950.0	5618.6	5948.3	5785.8	5670.8
30°	5778.1	4761.4	4230.8	4160.3	4453.2	5016.0	5739.8	6362.3	6232.0	6136.9
32.5°	5887.0	5005.2	4401.0	4284.5	4592.7	5095.7	5991.2	6764.1	6652.2	6417.5
35°	6071.0	5141.7	4493.1	4483.9	4836.5	5287.4	6109.3	7029.4	6983.4	6774.8
37.5°	6218.2	5279.7	4819.7	4718.5	5170.8	5609.4	6299.5	7395.9	7290.1	7191.9
40°	6331.7	5526.6	5124.8	5258.3	5581.8	5902.3	6474.3	7418.9	7724.1	7438.8
42.5°	6227.4	5747.4	5626.3	5945.2	6251.9	6236.6	6494.2	7596.8	7825.3	7676.5
45°	6201.3	6121.6	6419.1	6708.9	6779.4	6514.2	6351.6	7400.5	7794.6	7728.7
47.5°	6138.5	6489.6	7007.9	7480.2	7372.9	6699.7	6181.4	7365.2	7813.0	7694.9
50°	6117.0	6569.4	7443.4	7903.5	7839.1	6860.7	6101.7	7138.3	7682.7	7671.9
52.5°	6115.5	6733.4	7624.4	8133.5	8173.4	7115.3	6210.5	7253.3	7783.9	7874.3
55°	6184.5	6681.3	7601.4	8006.2	7990.9	7001.8	6222.8	7330.0	7908.1	7997.0
57.5°	5833.3	5985.1	6273.4	6593.9	6511.1	5799.6	5557.3	6776.4	7257.9	7193.5
60°	5037.4	4562.1	4237.0	4221.6	4060.6	3838.3	4548.3	6048.0	6048.0	5985.1
62.5°	4411.8	2994.9	2573.2	2453.5	2568.6	2824.6	4387.2	5882.4	5715.2	5643.2
65°	3858.2	2286.4	1860.1	1826.4	2025.7	2412.1	3967.1	5011.4	4716.9	4477.7
67.5°	2482.7	1674.5	1383.2	1323.4	1564.1	1771.2	2640.6	3082.3	2896.7	2803.2
70°	1600.9	1090.3	769.8	722.3	815.8	1091.8	1686.8	1797.2	1527.3	1464.5
72.5°	757.5	470.8	269.9	222.4	250.0	417.1	667.1	717.7	596.5	545.9
75°	240.8	173.3	110.4	95.1	90.5	107.3	153.3	118.1	85.9	84.3
77.5°	107.3	102.7	87.4	73.6	64.4	53.7	44.5	36.8	38.3	39.9
80°	88.9	81.3	72.1	64.4	53.7	41.4	32.2	24.5	24.5	26.1
82.5°	78.2	70.5	62.9	53.7	46.0	33.7	24.5	16.9	15.3	15.3
85°	33.7	39.9	42.9	46.0	36.8	27.6	16.9	10.7	9.2	9.2
87.5°	13.8	12.3	10.7	9.2	7.7	7.7	6.1	4.6	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)