

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: P527536

Luminaire Tested: **GALN-SA2C-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527536
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-SA2C-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1050mA 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: 10530 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

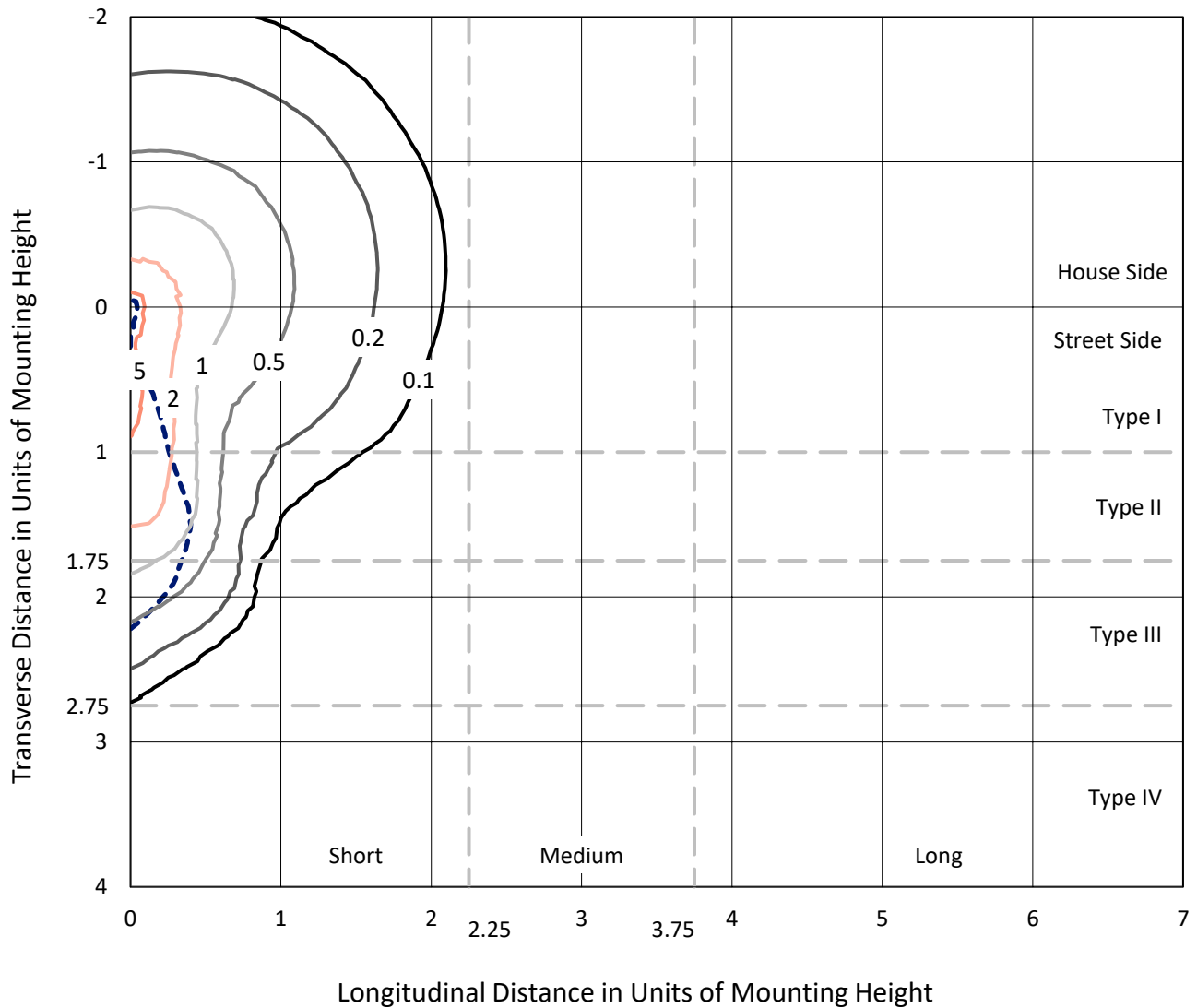
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

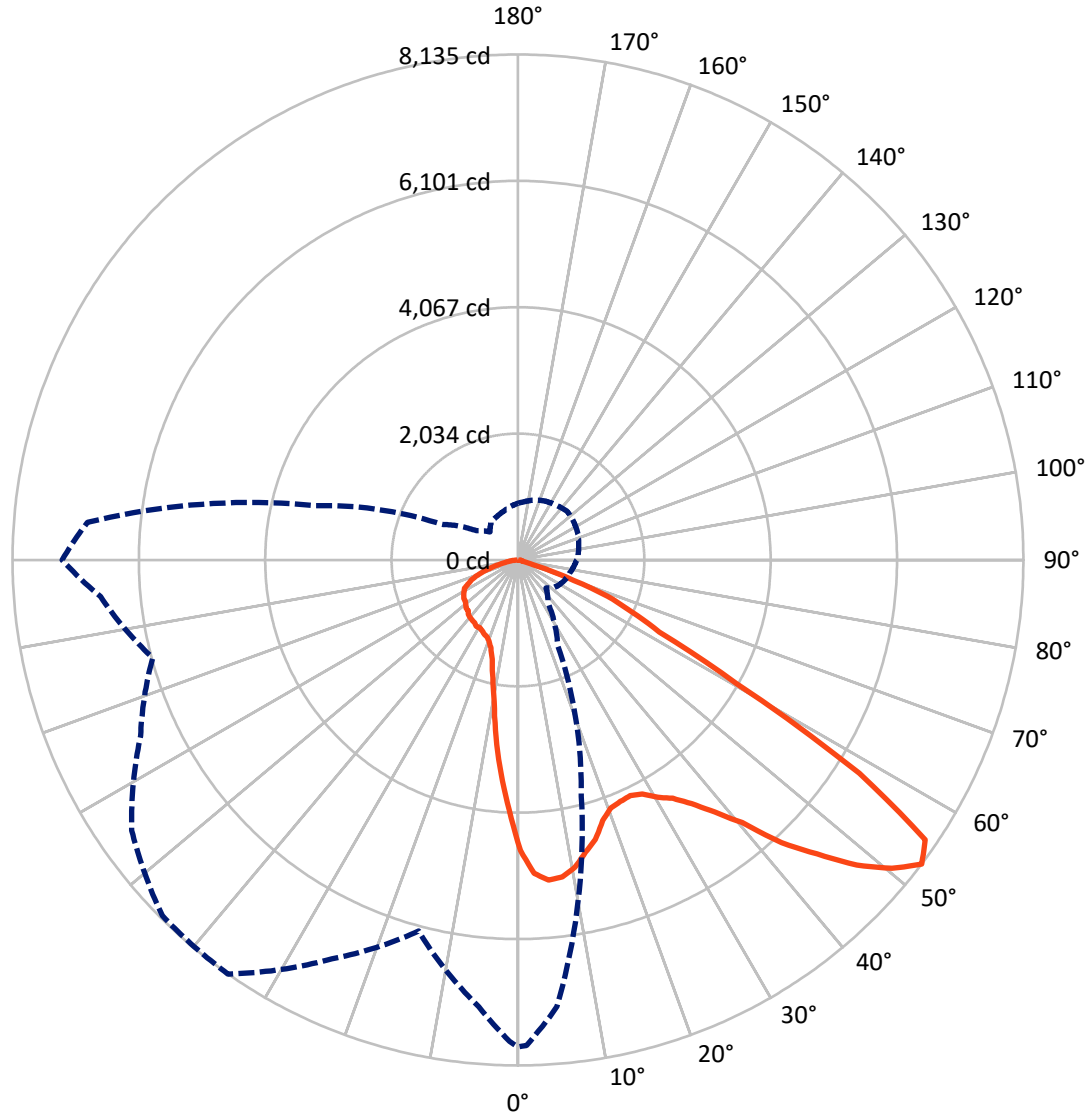
× Max cd
 - - - 1/2 Max cd



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



— 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	3174.4	0.0	3174.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	7355.6	0.0	7355.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	10530.0	0.0	10530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.5	3.4
10°-20°	772.9	7.3
20°-30°	1167.8	11.1
30°-40°	1687.5	16.0
40°-50°	2245.8	21.3
50°-60°	2512.0	23.9
60°-70°	1415.7	13.4
70°-80°	315.6	3.0
80°-90°	56.2	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°	10530.0	100.0
0°-180°	10530.0	100.0

Coefficient of Utilization



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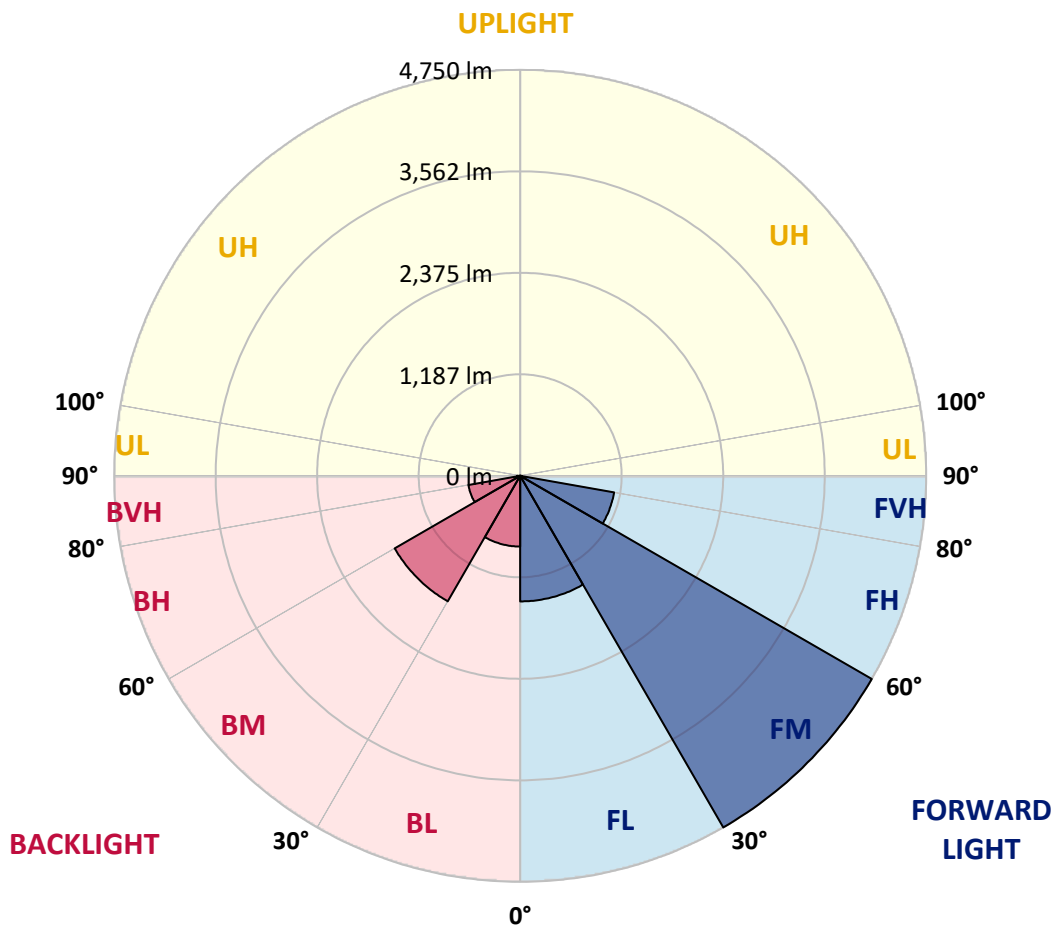
CATALOG NUMBER: GALN-SA2C-740-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1469.4	14.0			
FM (30°-60°)	4749.8	45.1			
FH (60°-80°)	1116.0	10.6			G1/1800
FVH (80°-90°)	20.4	0.2			G1/100
BL (0°-30°)	827.8	7.9	B2/1000		
BM (30°-60°)	1695.4	16.1	B2/2500		
BH (60°-80°)	615.3	5.8	B2/1000		G2/1000
BVH (80°-90°)	35.8	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°	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3
2.5°	4751.1	4827.4	4745.0	4598.5	4494.7	4400.1	4300.9	4281.0	4151.3	4128.4	4033.8
5°	4481.0	4464.2	4363.5	4171.2	3959.0	3766.7	3624.8	3487.4	3394.3	3285.9	3278.3
7.5°	4152.8	4055.2	3997.2	3705.7	3443.1	3141.0	3011.2	2802.1	2736.5	2638.8	2588.5
10°	3859.8	3788.1	3652.2	3360.7	2994.4	2794.5	2655.6	2542.7	2466.4	2365.6	2239.0
12.5°	3714.8	3685.8	3533.2	3081.4	2809.8	2596.1	2498.4	2388.5	2258.8	2097.0	2034.4
15°	3740.8	3643.1	3527.1	3028.0	2652.6	2446.5	2290.9	2153.5	1987.1	1833.0	1742.9
17.5°	3934.6	3859.8	3627.8	3061.6	2593.0	2295.4	2013.1	1810.1	1660.5	1521.6	1459.1
20°	4316.1	4207.8	3946.8	3104.3	2464.8	2084.8	1761.3	1511.0	1350.7	1277.4	1256.1
22.5°	4738.9	4674.8	4258.1	3200.5	2362.6	1889.5	1494.2	1243.9	1184.3	1164.5	1204.2
25°	5253.2	5086.9	4742.0	3357.7	2283.2	1723.1	1268.3	1129.4	1098.9	1118.7	1164.5
27.5°	5644.0	5599.7	5080.8	3505.7	2174.9	1523.2	1141.6	1050.0	1059.2	1079.0	1121.8
30°	6107.9	5883.6	5408.9	3608.0	2077.2	1385.8	1053.1	1028.7	1037.8	1071.4	1092.8
32.5°	6387.2	6303.3	5615.0	3762.1	1964.2	1266.8	984.4	961.5	975.3	1025.6	1076.0
35°	6742.8	6576.5	5869.8	3801.8	1884.9	1219.4	935.6	918.8	950.8	985.9	1042.4
37.5°	7158.0	7043.5	6222.4	3774.3	1842.1	1170.6	894.4	886.7	909.6	958.5	1024.1
40°	7403.7	7368.6	6407.1	3791.1	1775.0	1127.9	847.1	856.2	903.5	941.7	1005.8
42.5°	7640.2	7411.3	6680.3	3785.0	1732.3	1069.9	851.6	840.9	877.6	921.8	982.9
45°	7692.1	7464.7	6744.4	3742.3	1680.4	1013.4	816.5	821.1	865.4	920.3	960.0
47.5°	7658.6	7490.7	6863.4	3730.1	1631.5	973.7	764.6	819.6	845.5	889.8	946.3
50°	7635.7	7626.5	6964.1	3788.1	1565.9	911.2	702.1	799.7	825.7	869.9	931.0
52.5°	7837.1	7817.3	7216.0	3940.7	1514.0	844.0	638.0	749.4	811.9	854.7	914.2
55°	7959.2	7872.2	7647.9	4128.4	1427.0	755.5	593.7	686.8	778.4	816.5	877.6
57.5°	7159.5	7100.0	6918.3	3853.7	1280.5	639.5	538.8	622.7	732.6	792.1	854.7
60°	5956.8	5863.7	5398.2	3275.3	944.7	497.5	505.2	572.3	720.4	743.3	816.5
62.5°	5616.5	5386.0	4752.6	2635.8	725.0	427.3	453.3	526.5	656.3	694.4	767.7
65°	4456.6	4285.6	3400.4	1903.2	485.3	370.9	413.6	474.7	566.2	641.0	708.2
67.5°	2789.9	2626.6	1814.7	900.5	338.8	317.5	369.3	433.4	508.2	575.4	650.2
70°	1457.5	1279.0	837.9	325.1	233.5	259.5	308.3	369.3	442.6	497.5	555.5
72.5°	543.3	441.1	273.2	140.4	161.8	198.4	250.3	294.6	346.5	413.6	445.7
75°	83.9	71.7	70.2	85.5	109.9	143.5	178.6	222.8	268.6	311.3	332.7
77.5°	39.7	38.2	42.7	56.5	73.3	102.3	129.7	172.5	209.1	236.6	248.8
80°	25.9	24.4	27.5	38.2	54.9	76.3	103.8	132.8	166.4	189.3	186.2
82.5°	15.3	16.8	16.8	25.9	38.2	54.9	74.8	100.7	123.6	143.5	131.3
85°	9.2	7.6	7.6	15.3	25.9	44.3	62.6	42.7	44.3	44.3	50.4
87.5°	3.1	3.1	3.1	1.5	3.1	3.1	4.6	7.6	9.2	10.7	13.7
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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CATALOG NUMBER: GALN-SA2C-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3
2.5°	4030.7	4078.1	4061.3	4001.7	4047.5	4055.2	4024.6	4129.9	4149.8	4117.7	4126.9
5°	3267.6	3279.8	3307.3	3365.3	3406.5	3455.4	3455.4	3458.4	3417.2	3521.0	3490.5
7.5°	2545.7	2553.4	2585.4	2709.0	2744.1	2837.2	2876.9	2849.4	2767.0	2731.9	2760.9
10°	2197.8	2153.5	2142.8	2158.1	2237.4	2277.1	2310.7	2301.5	2287.8	2260.3	2229.8
12.5°	1965.8	1933.7	1907.8	1871.1	1875.7	1913.9	1939.8	1918.5	1924.6	1930.7	1939.8
15°	1713.9	1691.0	1677.3	1622.4	1616.3	1642.2	1651.4	1663.6	1686.5	1688.0	1677.3
17.5°	1446.9	1427.0	1457.5	1488.1	1466.7	1468.2	1485.0	1495.7	1489.6	1462.1	1448.4
20°	1263.7	1285.1	1315.6	1344.6	1367.5	1381.2	1387.3	1370.5	1350.7	1294.2	1292.7
22.5°	1210.3	1237.8	1263.7	1308.0	1329.3	1364.4	1332.4	1294.2	1266.8	1239.3	1207.2
25°	1170.6	1193.5	1245.4	1262.2	1303.4	1332.4	1309.5	1271.3	1224.0	1184.3	1159.9
27.5°	1141.6	1167.6	1201.1	1246.9	1279.0	1295.8	1272.9	1257.6	1208.8	1161.5	1126.3
30°	1123.3	1150.8	1211.8	1250.0	1277.4	1291.2	1251.5	1233.2	1198.1	1158.4	1127.9
32.5°	1111.1	1135.5	1187.4	1236.2	1254.6	1254.6	1260.7	1239.3	1190.4	1123.3	1097.4
35°	1071.4	1105.0	1147.7	1204.2	1237.8	1257.6	1227.1	1202.7	1170.6	1101.9	1054.6
37.5°	1048.5	1071.4	1126.3	1179.8	1208.8	1230.1	1217.9	1175.2	1132.5	1076.0	1037.8
40°	1024.1	1060.7	1109.6	1159.9	1192.0	1213.3	1204.2	1153.8	1101.9	1048.5	1022.6
42.5°	1007.3	1031.7	1082.1	1138.6	1176.7	1217.9	1190.4	1127.9	1091.2	1018.0	989.0
45°	993.6	1033.2	1086.7	1109.6	1149.2	1192.0	1143.1	1105.0	1062.2	1008.8	984.4
47.5°	976.8	1013.4	1048.5	1109.6	1127.9	1147.7	1138.6	1077.5	1040.9	982.9	966.1
50°	970.7	984.4	1048.5	1082.1	1108.0	1127.9	1103.5	1057.7	1022.6	963.0	926.4
52.5°	946.3	972.2	1013.4	1057.7	1089.7	1114.1	1074.5	1045.5	998.1	935.6	912.7
55°	915.7	931.0	1004.3	1050.0	1066.8	1083.6	1068.4	1021.0	972.2	908.1	885.2
57.5°	876.0	911.2	970.7	1034.8	1056.1	1065.3	1040.9	1002.7	941.7	885.2	848.6
60°	834.8	871.5	937.1	989.0	1010.4	1043.9	1007.3	984.4	914.2	851.6	811.9
62.5°	793.6	834.8	883.7	949.3	967.6	981.4	972.2	940.2	883.7	813.5	764.6
65°	744.8	775.3	836.4	869.9	882.2	914.2	882.2	869.9	819.6	752.4	711.2
67.5°	671.5	697.5	750.9	782.9	792.1	805.8	804.3	790.6	734.1	688.3	651.7
70°	587.6	610.5	644.1	682.2	686.8	703.6	688.3	685.3	648.6	586.1	566.2
72.5°	471.6	493.0	537.2	554.0	555.5	561.6	554.0	543.3	534.2	468.5	448.7
75°	361.7	373.9	395.3	410.6	410.6	418.2	413.6	402.9	378.5	337.3	317.5
77.5°	251.8	264.0	291.5	300.7	299.1	302.2	288.5	277.8	241.1	219.8	203.0
80°	183.1	190.8	204.5	210.6	212.1	216.7	199.9	190.8	169.4	145.0	137.4
82.5°	132.8	137.4	138.9	146.5	146.5	138.9	134.3	125.1	109.9	94.6	88.5
85°	54.9	56.5	58.0	67.2	68.7	82.4	76.3	71.7	62.6	53.4	48.8
87.5°	13.7	15.3	19.8	16.8	19.8	19.8	21.4	24.4	24.4	19.8	19.8
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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CATALOG NUMBER: GALN-SA2C-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3
2.5°	4162.0	4174.2	4329.9	4349.7	4426.0	4503.9	4661.1	4774.0	4865.6	4925.1	4941.9
5°	3522.5	3600.3	3672.1	3788.1	3893.4	4043.0	4215.4	4429.1	4697.7	4835.1	4890.0
7.5°	2757.9	2849.4	2953.2	3066.2	3220.3	3488.9	3719.4	3966.6	4310.0	4452.0	4667.2
10°	2251.2	2353.4	2490.8	2577.8	2764.0	3020.4	3289.0	3574.4	3902.5	4107.1	4355.8
12.5°	1990.2	2074.1	2200.8	2384.0	2522.8	2689.2	2889.1	3249.3	3719.4	3913.2	4084.2
15°	1701.7	1794.8	1941.3	2144.3	2310.7	2509.1	2733.5	3125.7	3626.3	3925.4	4070.4
17.5°	1463.6	1530.8	1684.9	1860.5	2051.2	2268.0	2590.0	3119.6	3724.0	4107.1	4343.6
20°	1298.8	1308.0	1391.9	1541.5	1800.9	2083.3	2501.5	3089.1	4036.8	4419.9	4719.1
22.5°	1195.0	1185.9	1187.4	1314.1	1495.7	1901.7	2362.6	3192.8	4392.5	4917.5	5118.9
25°	1143.1	1118.7	1103.5	1130.9	1295.8	1686.5	2257.3	3330.2	4775.5	5328.0	5575.3
27.5°	1115.7	1072.9	1042.4	1047.0	1167.6	1578.1	2191.6	3389.7	5155.6	5900.4	5987.4
30°	1105.0	1051.6	1007.3	992.0	1071.4	1427.0	2051.2	3492.0	5495.9	6214.8	6289.5
32.5°	1066.8	1001.2	958.5	944.7	976.8	1294.2	1950.5	3565.2	5796.6	6556.6	6530.7
35°	1022.6	967.6	914.2	888.3	911.2	1208.8	1869.6	3530.1	6150.7	6822.2	6808.5
37.5°	1018.0	946.3	902.0	859.3	857.7	1103.5	1759.7	3563.7	6376.5	7298.4	7110.6
40°	978.3	932.5	874.5	839.4	819.6	1050.0	1652.9	3484.4	6707.7	7490.7	7306.0
42.5°	979.8	911.2	860.8	819.6	799.7	972.2	1579.6	3463.0	6823.7	7803.6	7397.6
45°	955.4	888.3	845.5	796.7	786.0	912.7	1509.4	3363.8	7028.2	7818.8	7283.1
47.5°	931.0	871.5	825.7	767.7	743.3	891.3	1454.5	3281.4	6921.4	7675.3	7124.4
50°	914.2	845.5	802.8	761.6	692.9	854.7	1382.8	3261.5	6771.8	7481.5	6829.8
52.5°	885.2	824.2	779.9	747.8	638.0	821.1	1355.3	3377.5	6955.0	7336.5	6744.4
55°	857.7	795.2	738.7	676.1	592.2	732.6	1279.0	3485.9	7222.1	7670.8	7132.0
57.5°	828.7	769.2	708.2	633.4	547.9	641.0	1199.6	3505.7	6721.5	7089.3	6770.3
60°	790.6	714.3	668.5	570.8	500.6	531.1	950.8	3090.6	5213.6	5920.2	5930.9
62.5°	747.8	665.4	625.7	511.3	451.8	457.9	775.3	2597.6	4229.1	4900.7	5192.2
65°	691.4	612.0	564.7	473.1	416.7	396.8	567.8	1903.2	3212.7	3975.8	4307.0
67.5°	618.1	543.3	483.8	412.1	372.4	340.3	387.7	1071.4	1897.1	2669.4	2770.1
70°	540.3	476.2	413.6	354.1	309.8	286.9	283.9	474.7	906.6	1436.2	1634.6
72.5°	425.8	380.0	329.7	285.4	256.4	222.8	203.0	196.9	306.8	584.5	807.4
75°	305.2	267.1	238.1	209.1	187.7	169.4	154.1	140.4	128.2	146.5	201.5
77.5°	192.3	178.6	155.7	148.0	135.8	131.3	125.1	117.5	108.4	102.3	102.3
80°	129.7	120.6	112.9	111.4	106.8	105.3	106.8	99.2	90.0	82.4	85.5
82.5°	87.0	85.5	83.9	82.4	83.9	85.5	88.5	87.0	79.4	74.8	76.3
85°	51.9	54.9	58.0	61.0	67.2	59.5	48.8	41.2	36.6	33.6	32.1
87.5°	19.8	27.5	24.4	22.9	24.4	22.9	21.4	19.8	16.8	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: P527536

CATALOG NUMBER: GALN-SA2C-740-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3	4673.3
2.5°	5053.3	5083.8	5109.8	5103.7	5050.3	4978.5	4949.5	4801.5	4771.0	4751.1
5°	5122.0	5299.0	5337.2	5314.3	5175.4	4999.9	4829.0	4612.2	4485.6	4481.0
7.5°	4995.3	5213.6	5282.2	5334.1	5149.5	4844.2	4551.2	4226.1	4146.7	4152.8
10°	4673.3	5021.3	5190.7	5244.1	5031.9	4767.9	4361.9	4032.3	3862.9	3859.8
12.5°	4494.7	4767.9	4815.2	4890.0	4827.4	4560.3	4252.0	3882.7	3717.9	3714.8
15°	4336.0	4516.1	4529.8	4635.1	4668.7	4488.6	4281.0	3887.3	3754.5	3740.8
17.5°	4474.9	4349.7	4297.8	4311.6	4410.8	4476.4	4448.9	4146.7	4010.9	3934.6
20°	4568.0	4288.7	4131.5	4146.7	4264.3	4503.9	4699.2	4522.2	4307.0	4316.1
22.5°	4816.7	4297.8	4052.1	4035.3	4221.5	4647.3	4981.6	4996.8	4789.3	4738.9
25°	5189.1	4403.1	4027.7	4023.1	4201.7	4801.5	5311.2	5558.5	5346.3	5253.2
27.5°	5488.3	4568.0	4104.0	4119.3	4264.3	4926.6	5592.1	5920.2	5758.4	5644.0
30°	5750.8	4738.9	4210.8	4140.6	4432.1	4992.3	5712.6	6332.3	6202.5	6107.9
32.5°	5859.1	4981.6	4380.2	4264.3	4571.0	5071.6	5962.9	6732.1	6620.7	6387.2
35°	6042.3	5117.4	4471.8	4462.7	4813.7	5262.4	6080.5	6996.2	6950.4	6742.8
37.5°	6188.8	5254.8	4796.9	4696.2	5146.4	5582.9	6269.7	7360.9	7255.6	7158.0
40°	6301.8	5500.5	5100.6	5233.4	5555.4	5874.4	6443.7	7383.8	7687.6	7403.7
42.5°	6198.0	5720.3	5599.7	5917.1	6222.4	6207.1	6463.5	7560.9	7788.3	7640.2
45°	6172.0	6092.7	6388.7	6677.2	6747.4	6483.4	6321.6	7365.5	7757.8	7692.1
47.5°	6109.4	6459.0	6974.8	7444.9	7338.1	6668.0	6152.2	7330.4	7776.1	7658.6
50°	6088.1	6538.3	7408.3	7866.1	7802.0	6828.3	6072.8	7104.5	7646.4	7635.7
52.5°	6086.6	6701.6	7588.4	8095.1	8134.7	7081.7	6181.2	7219.0	7747.1	7837.1
55°	6155.2	6649.7	7565.5	7968.4	7953.1	6968.7	6193.4	7295.3	7870.7	7959.2
57.5°	5805.7	5956.8	6243.8	6562.7	6480.3	5772.2	5531.0	6744.4	7223.6	7159.5
60°	5013.6	4540.5	4216.9	4201.7	4041.4	3820.1	4526.8	6019.4	6019.4	5956.8
62.5°	4390.9	2980.7	2561.0	2441.9	2556.4	2811.3	4366.5	5854.6	5688.2	5616.5
65°	3840.0	2275.6	1851.3	1817.7	2016.1	2400.7	3948.3	4987.7	4694.6	4456.6
67.5°	2470.9	1666.6	1376.6	1317.1	1556.7	1762.8	2628.1	3067.7	2883.0	2789.9
70°	1593.4	1085.1	766.2	718.8	811.9	1086.7	1678.8	1788.7	1520.1	1457.5
72.5°	754.0	468.5	268.6	221.3	248.8	415.1	663.9	714.3	593.7	543.3
75°	239.6	172.5	109.9	94.6	90.0	106.8	152.6	117.5	85.5	83.9
77.5°	106.8	102.3	87.0	73.3	64.1	53.4	44.3	36.6	38.2	39.7
80°	88.5	80.9	71.7	64.1	53.4	41.2	32.1	24.4	24.4	25.9
82.5°	77.8	70.2	62.6	53.4	45.8	33.6	24.4	16.8	15.3	15.3
85°	33.6	39.7	42.7	45.8	36.6	27.5	16.8	10.7	9.2	9.2
87.5°	13.7	12.2	10.7	9.2	7.6	7.6	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)