

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: P528186

Luminaire Tested: **GALN-SA3B-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528186
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-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 11522 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

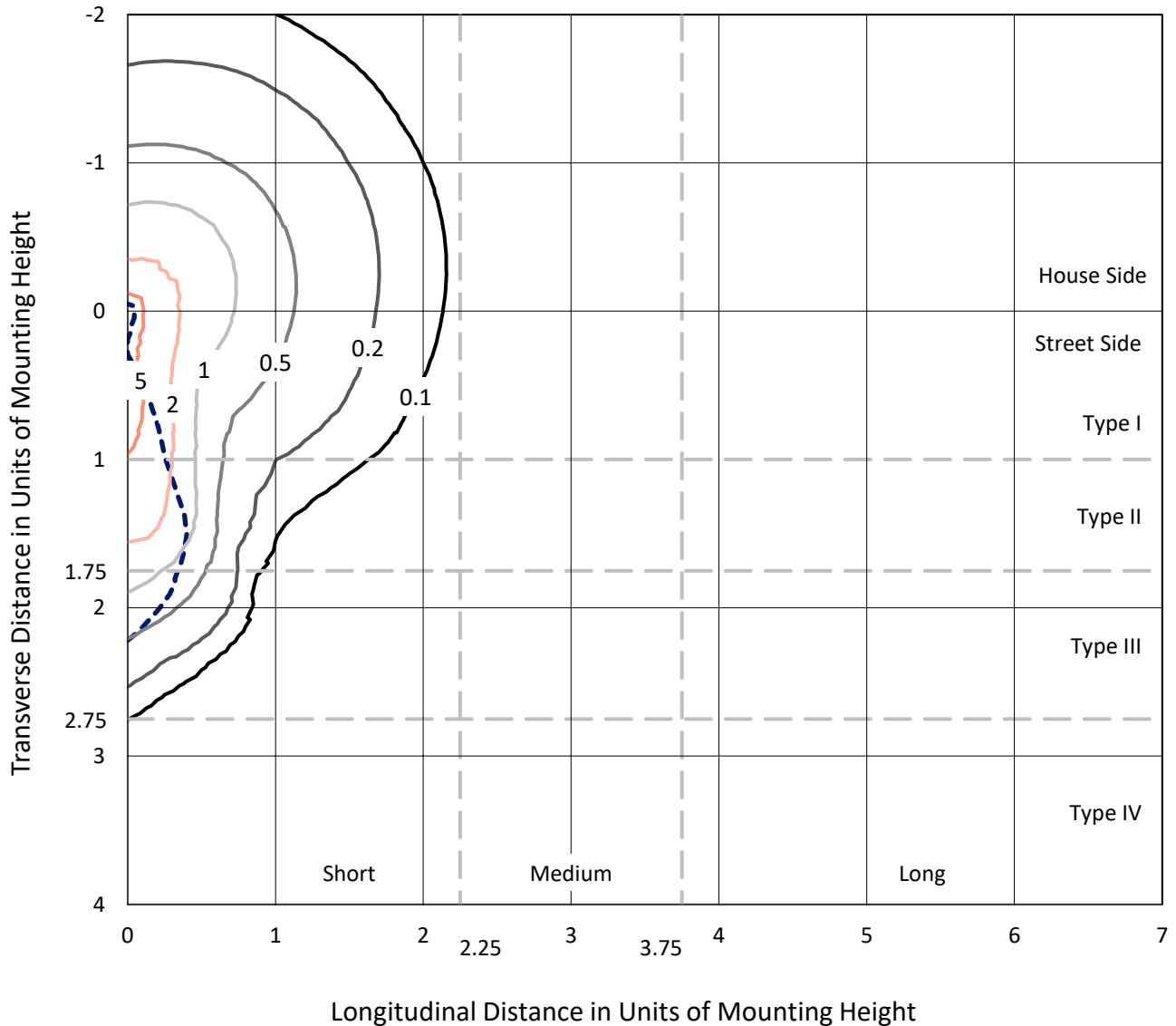
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

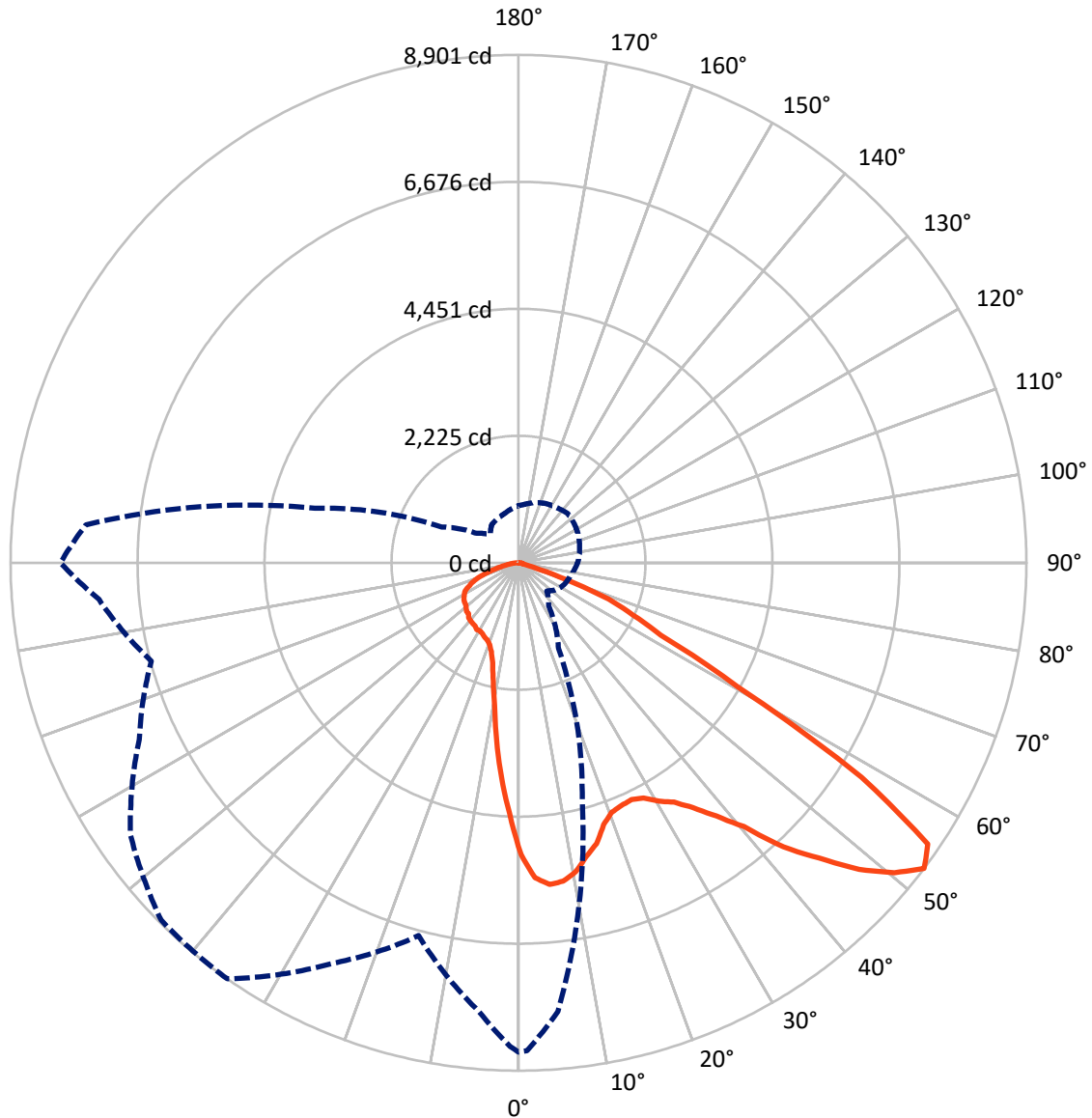
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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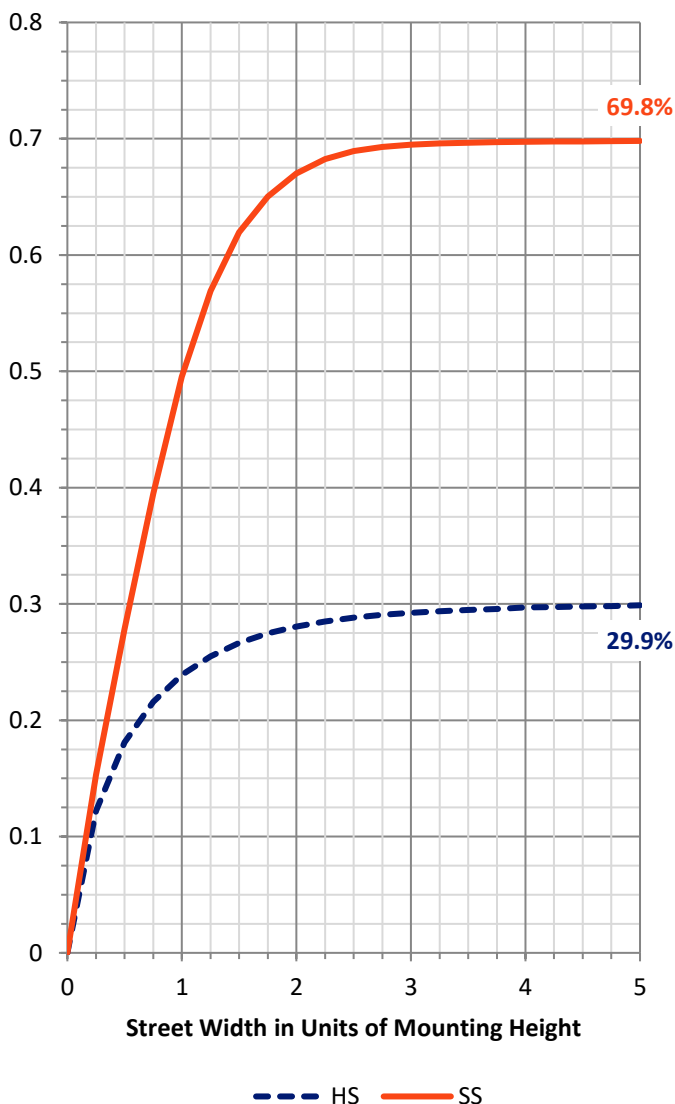
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3473.4	0.0	3473.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	8048.6	0.0	8048.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	11522.0	0.0	11522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.1	3.4
10°-20°	845.7	7.3
20°-30°	1277.8	11.1
30°-40°	1846.5	16.0
40°-50°	2457.4	21.3
50°-60°	2748.6	23.9
60°-70°	1549.1	13.4
70°-80°	345.3	3.0
80°-90°	61.5	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°	11522.0	100.0
0°-180°	11522.0	100.0

Coefficient of Utilization

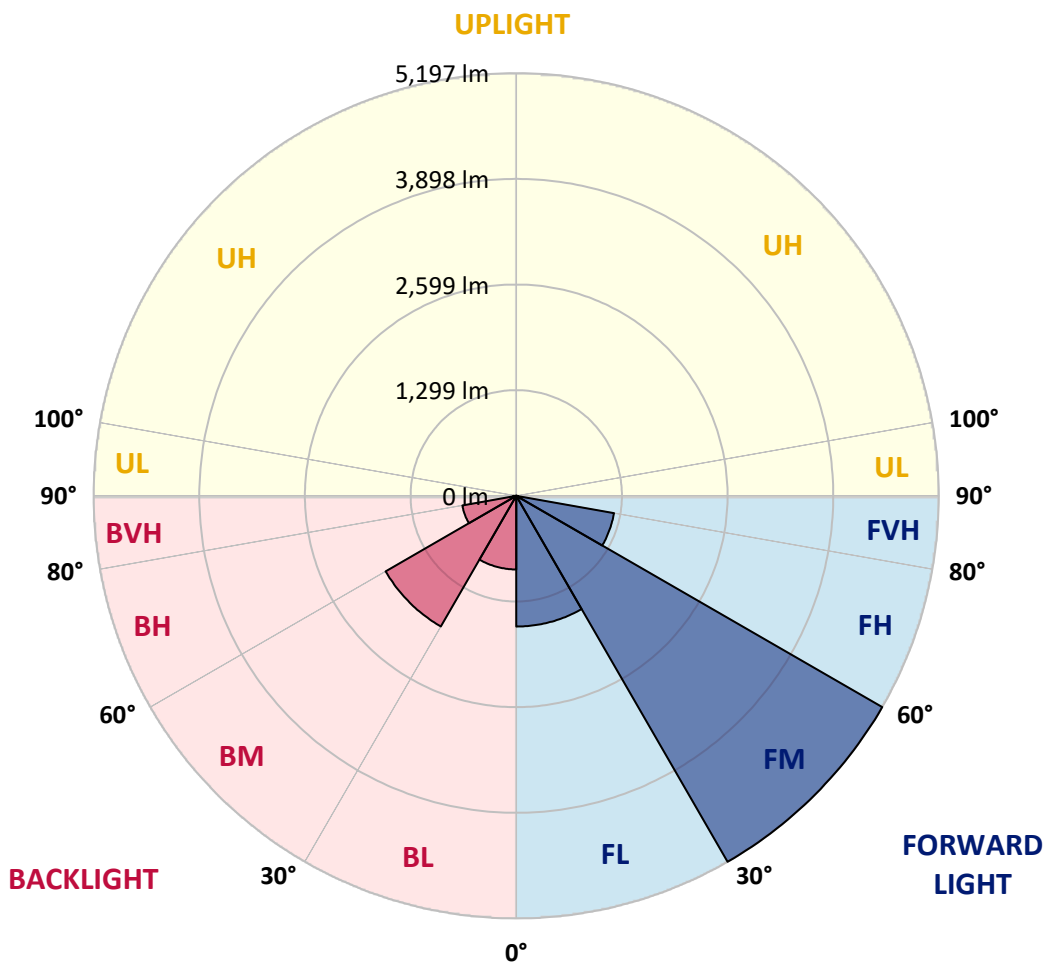


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1607.9	14.0			
FM (30°-60°)	5197.3	45.1			
FH (60°-80°)	1221.2	10.6			G1/1800
FVH (80°-90°)	22.3	0.2			G1/100
BL (0°-30°)	905.8	7.9	B2/1000		
BM (30°-60°)	1855.1	16.1	B2/2500		
BH (60°-80°)	673.3	5.8	B2/1000		G2/1000
BVH (80°-90°)	39.2	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°	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5
2.5°	5198.7	5282.2	5192.0	5031.7	4918.1	4814.6	4706.1	4684.3	4542.4	4517.3	4413.8
5°	4903.1	4884.7	4774.5	4564.1	4332.0	4121.6	3966.2	3815.9	3714.1	3595.5	3587.2
7.5°	4544.1	4437.2	4373.7	4054.8	3767.5	3436.9	3294.9	3066.1	2994.3	2887.4	2832.3
10°	4223.4	4144.9	3996.3	3677.3	3276.5	3057.8	2905.8	2782.2	2698.7	2588.5	2449.9
12.5°	4064.8	4033.0	3866.0	3371.7	3074.5	2840.7	2733.8	2613.5	2471.6	2294.6	2226.1
15°	4093.2	3986.3	3859.4	3313.3	2902.5	2677.0	2506.7	2356.4	2174.3	2005.7	1907.1
17.5°	4305.3	4223.4	3969.6	3350.0	2837.3	2511.7	2202.7	1980.6	1817.0	1665.0	1596.5
20°	4722.8	4604.2	4318.6	3396.8	2697.0	2281.2	1927.2	1653.3	1477.9	1397.8	1374.4
22.5°	5185.3	5115.2	4659.3	3502.0	2585.2	2067.5	1634.9	1361.0	1295.9	1274.2	1317.6
25°	5748.1	5566.1	5188.7	3674.0	2498.3	1885.4	1387.8	1235.8	1202.4	1224.1	1274.2
27.5°	6175.7	6127.2	5559.4	3836.0	2379.7	1666.7	1249.2	1149.0	1159.0	1180.7	1227.4
30°	6683.3	6437.8	5918.5	3947.9	2272.9	1516.4	1152.3	1125.6	1135.6	1172.3	1195.7
32.5°	6988.9	6897.1	6143.9	4116.5	2149.3	1386.1	1077.1	1052.1	1067.1	1122.2	1177.3
35°	7378.1	7196.0	6422.8	4160.0	2062.4	1334.3	1023.7	1005.3	1040.4	1078.8	1140.6
37.5°	7832.3	7707.0	6808.6	4129.9	2015.7	1280.9	978.6	970.3	995.3	1048.8	1120.6
40°	8101.2	8062.8	7010.7	4148.3	1942.2	1234.1	926.8	936.9	988.6	1030.4	1100.5
42.5°	8360.0	8109.5	7309.6	4141.6	1895.4	1170.7	931.9	920.2	960.2	1008.7	1075.5
45°	8416.8	8168.0	7379.7	4094.8	1838.7	1108.9	893.4	898.5	946.9	1007.0	1050.4
47.5°	8380.1	8196.4	7510.0	4081.5	1785.2	1065.5	836.7	896.8	925.2	973.6	1035.4
50°	8355.0	8345.0	7620.2	4144.9	1713.4	997.0	768.2	875.1	903.5	951.9	1018.7
52.5°	8575.4	8553.7	7895.8	4311.9	1656.6	923.5	698.1	820.0	888.4	935.2	1000.3
55°	8709.0	8613.9	8368.4	4517.3	1561.4	826.6	649.6	751.5	851.7	893.4	960.2
57.5°	7834.0	7768.8	7570.1	4216.7	1401.1	699.7	589.5	681.4	801.6	866.7	935.2
60°	6518.0	6416.1	5906.8	3583.8	1033.7	544.4	552.8	626.2	788.2	813.3	893.4
62.5°	6145.6	5893.4	5200.4	2884.1	793.2	467.6	496.0	576.1	718.1	759.8	840.0
65°	4876.4	4689.4	3720.8	2082.5	531.1	405.8	452.6	519.4	619.6	701.4	774.9
67.5°	3052.8	2874.1	1985.6	985.3	370.7	347.4	404.1	474.3	556.1	629.6	711.4
70°	1594.8	1399.5	916.8	355.7	255.5	283.9	337.3	404.1	484.3	544.4	607.9
72.5°	594.5	482.6	298.9	153.6	177.0	217.1	273.9	322.3	379.1	452.6	487.6
75°	91.8	78.5	76.8	93.5	120.2	157.0	195.4	243.8	293.9	340.7	364.1
77.5°	43.4	41.7	46.8	61.8	80.2	111.9	141.9	188.7	228.8	258.8	272.2
80°	28.4	26.7	30.1	41.7	60.1	83.5	113.6	145.3	182.0	207.1	203.7
82.5°	16.7	18.4	18.4	28.4	41.7	60.1	81.8	110.2	135.3	157.0	143.6
85°	10.0	8.3	8.3	16.7	28.4	48.4	68.5	46.8	48.4	48.4	55.1
87.5°	3.3	3.3	3.3	1.7	3.3	3.3	5.0	8.3	10.0	11.7	15.0
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°	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5
2.5°	4410.5	4462.2	4443.9	4378.7	4428.8	4437.2	4403.8	4519.0	4540.7	4505.7	4515.7
5°	3575.5	3588.8	3618.9	3682.3	3727.4	3780.9	3780.9	3784.2	3739.1	3852.7	3819.3
7.5°	2785.6	2793.9	2829.0	2964.2	3002.7	3104.5	3147.9	3117.9	3027.7	2989.3	3021.0
10°	2404.8	2356.4	2344.7	2361.4	2448.2	2491.6	2528.4	2518.4	2503.3	2473.3	2439.9
12.5°	2151.0	2115.9	2087.5	2047.4	2052.4	2094.2	2122.6	2099.2	2105.9	2112.5	2122.6
15°	1875.4	1850.4	1835.3	1775.2	1768.5	1796.9	1806.9	1820.3	1845.3	1847.0	1835.3
17.5°	1583.2	1561.4	1594.8	1628.2	1604.9	1606.5	1624.9	1636.6	1629.9	1599.9	1584.8
20°	1382.8	1406.1	1439.5	1471.3	1496.3	1511.3	1518.0	1499.7	1477.9	1416.2	1414.5
22.5°	1324.3	1354.4	1382.8	1431.2	1454.6	1493.0	1457.9	1416.2	1386.1	1356.0	1321.0
25°	1280.9	1305.9	1362.7	1381.1	1426.2	1457.9	1432.9	1391.1	1339.3	1295.9	1269.2
27.5°	1249.2	1277.5	1314.3	1364.4	1399.5	1417.8	1392.8	1376.1	1322.6	1270.9	1232.5
30°	1229.1	1259.2	1326.0	1367.7	1397.8	1412.8	1369.4	1349.4	1310.9	1267.5	1234.1
32.5°	1215.8	1242.5	1299.3	1352.7	1372.7	1372.7	1379.4	1356.0	1302.6	1229.1	1200.7
35°	1172.3	1209.1	1255.8	1317.6	1354.4	1376.1	1342.7	1316.0	1280.9	1205.7	1154.0
37.5°	1147.3	1172.3	1232.5	1290.9	1322.6	1346.0	1332.7	1285.9	1239.1	1177.3	1135.6
40°	1120.6	1160.6	1214.1	1269.2	1304.3	1327.6	1317.6	1262.5	1205.7	1147.3	1118.9
42.5°	1102.2	1128.9	1184.0	1245.8	1287.6	1332.7	1302.6	1234.1	1194.0	1113.9	1082.2
45°	1087.2	1130.6	1189.0	1214.1	1257.5	1304.3	1250.8	1209.1	1162.3	1103.9	1077.1
47.5°	1068.8	1108.9	1147.3	1214.1	1234.1	1255.8	1245.8	1179.0	1138.9	1075.5	1057.1
50°	1062.1	1077.1	1147.3	1184.0	1212.4	1234.1	1207.4	1157.3	1118.9	1053.8	1013.7
52.5°	1035.4	1063.8	1108.9	1157.3	1192.4	1219.1	1175.7	1143.9	1092.2	1023.7	998.7
55°	1002.0	1018.7	1098.9	1149.0	1167.3	1185.7	1169.0	1117.2	1063.8	993.6	968.6
57.5°	958.6	997.0	1062.1	1132.3	1155.6	1165.7	1138.9	1097.2	1030.4	968.6	928.5
60°	913.5	953.6	1025.4	1082.2	1105.5	1142.3	1102.2	1077.1	1000.3	931.9	888.4
62.5°	868.4	913.5	966.9	1038.7	1058.8	1073.8	1063.8	1028.7	966.9	890.1	836.7
65°	815.0	848.4	915.2	951.9	965.3	1000.3	965.3	951.9	896.8	823.3	778.2
67.5°	734.8	763.2	821.6	856.7	866.7	881.8	880.1	865.1	803.3	753.2	713.1
70°	642.9	668.0	704.7	746.5	751.5	769.9	753.2	749.8	709.7	641.3	619.6
72.5°	516.0	539.4	587.8	606.2	607.9	614.6	606.2	594.5	584.5	512.7	491.0
75°	395.8	409.1	432.5	449.2	449.2	457.6	452.6	440.9	414.2	369.1	347.4
77.5°	275.5	288.9	319.0	329.0	327.3	330.7	315.6	303.9	263.9	240.5	222.1
80°	200.4	208.7	223.8	230.5	232.1	237.1	218.8	208.7	185.4	158.6	150.3
82.5°	145.3	150.3	152.0	160.3	160.3	152.0	147.0	136.9	120.2	103.5	96.9
85°	60.1	61.8	63.5	73.5	75.1	90.2	83.5	78.5	68.5	58.4	53.4
87.5°	15.0	16.7	21.7	18.4	21.7	21.7	23.4	26.7	26.7	21.7	21.7
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5
2.5°	4554.1	4567.4	4737.8	4759.5	4843.0	4928.2	5100.2	5223.8	5324.0	5389.1	5407.5
5°	3854.4	3939.5	4018.0	4144.9	4260.2	4423.8	4612.5	4846.3	5140.3	5290.6	5350.7
7.5°	3017.7	3117.9	3231.4	3355.0	3523.7	3817.6	4069.8	4340.3	4716.1	4871.4	5106.9
10°	2463.2	2575.1	2725.4	2820.6	3024.4	3304.9	3598.8	3911.1	4270.2	4494.0	4766.2
12.5°	2177.7	2269.5	2408.1	2608.5	2760.5	2942.5	3161.3	3555.4	4069.8	4281.9	4468.9
15°	1862.0	1963.9	2124.2	2346.3	2528.4	2745.5	2991.0	3420.2	3967.9	4295.2	4453.9
17.5°	1601.5	1675.0	1843.7	2035.7	2244.5	2481.6	2834.0	3413.5	4074.8	4494.0	4752.8
20°	1421.2	1431.2	1523.0	1686.7	1970.6	2279.5	2737.1	3380.1	4417.1	4836.3	5163.6
22.5°	1307.6	1297.6	1299.3	1437.9	1636.6	2080.8	2585.2	3493.6	4806.3	5380.7	5601.2
25°	1250.8	1224.1	1207.4	1237.5	1417.8	1845.3	2469.9	3643.9	5225.4	5830.0	6100.5
27.5°	1220.8	1174.0	1140.6	1145.6	1277.5	1726.8	2398.1	3709.1	5641.3	6456.2	6551.4
30°	1209.1	1150.6	1102.2	1085.5	1172.3	1561.4	2244.5	3821.0	6013.7	6800.2	6882.1
32.5°	1167.3	1095.5	1048.8	1033.7	1068.8	1416.2	2134.3	3901.1	6342.7	7174.3	7145.9
35°	1118.9	1058.8	1000.3	971.9	997.0	1322.6	2045.7	3862.7	6730.1	7464.9	7449.9
37.5°	1113.9	1035.4	987.0	940.2	938.5	1207.4	1925.5	3899.4	6977.3	7985.9	7780.5
40°	1070.5	1020.4	956.9	918.5	896.8	1149.0	1808.6	3812.6	7339.6	8196.4	7994.3
42.5°	1072.1	997.0	941.9	896.8	875.1	1063.8	1728.4	3789.2	7466.6	8538.7	8094.5
45°	1045.4	971.9	925.2	871.7	860.0	998.7	1651.6	3680.7	7690.3	8555.4	7969.2
47.5°	1018.7	953.6	903.5	840.0	813.3	975.3	1591.5	3590.5	7573.4	8398.4	7795.6
50°	1000.3	925.2	878.4	833.3	758.2	935.2	1513.0	3568.8	7409.8	8186.3	7473.2
52.5°	968.6	901.8	853.4	818.3	698.1	898.5	1483.0	3695.7	7610.2	8027.7	7379.7
55°	938.5	870.1	808.3	739.8	648.0	801.6	1399.5	3814.3	7902.4	8393.4	7803.9
57.5°	906.8	841.7	774.9	693.0	599.5	701.4	1312.6	3836.0	7354.7	7757.1	7408.1
60°	865.1	781.6	731.5	624.6	547.8	581.2	1040.4	3381.7	5704.7	6477.9	6489.6
62.5°	818.3	728.1	684.7	559.4	494.3	501.0	848.4	2842.3	4627.6	5362.4	5681.3
65°	756.5	669.7	617.9	517.7	455.9	434.2	621.2	2082.5	3515.3	4350.3	4712.7
67.5°	676.3	594.5	529.4	450.9	407.5	372.4	424.2	1172.3	2075.8	2920.8	3031.0
70°	591.2	521.0	452.6	387.4	339.0	314.0	310.6	519.4	992.0	1571.5	1788.6
72.5°	465.9	415.8	360.7	312.3	280.6	243.8	222.1	215.4	335.7	639.6	883.4
75°	334.0	292.2	260.5	228.8	205.4	185.4	168.7	153.6	140.3	160.3	220.4
77.5°	210.4	195.4	170.3	162.0	148.6	143.6	136.9	128.6	118.6	111.9	111.9
80°	141.9	131.9	123.6	121.9	116.9	115.2	116.9	108.5	98.5	90.2	93.5
82.5°	95.2	93.5	91.8	90.2	91.8	93.5	96.9	95.2	86.8	81.8	83.5
85°	56.8	60.1	63.5	66.8	73.5	65.1	53.4	45.1	40.1	36.7	35.1
87.5°	21.7	30.1	26.7	25.0	26.7	25.0	23.4	21.7	18.4	16.7	16.7
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: P528186

CATALOG NUMBER: GALN-SA3B-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5	5113.5
2.5°	5529.4	5562.8	5591.2	5584.5	5526.0	5447.5	5415.8	5253.8	5220.4	5198.7
5°	5604.5	5798.2	5840.0	5814.9	5663.0	5470.9	5283.9	5046.7	4908.1	4903.1
7.5°	5465.9	5704.7	5779.9	5836.6	5634.6	5300.6	4979.9	4624.2	4537.4	4544.1
10°	5113.5	5494.3	5679.7	5738.1	5506.0	5217.1	4772.9	4412.1	4226.8	4223.4
12.5°	4918.1	5217.1	5268.8	5350.7	5282.2	4990.0	4652.6	4248.5	4068.1	4064.8
15°	4744.5	4941.5	4956.6	5071.8	5108.5	4911.5	4684.3	4253.5	4108.2	4093.2
17.5°	4896.4	4759.5	4702.7	4717.7	4826.3	4898.1	4868.0	4537.4	4388.8	4305.3
20°	4998.3	4692.7	4520.7	4537.4	4666.0	4928.2	5141.9	4948.2	4712.7	4722.8
22.5°	5270.5	4702.7	4433.8	4415.5	4619.2	5085.1	5450.9	5467.6	5240.5	5185.3
25°	5678.0	4817.9	4407.1	4402.1	4597.5	5253.8	5811.6	6082.1	5850.0	5748.1
27.5°	6005.3	4998.3	4490.6	4507.3	4666.0	5390.8	6118.9	6477.9	6300.9	6175.7
30°	6292.6	5185.3	4607.5	4530.7	4849.7	5462.6	6250.8	6928.8	6786.9	6683.3
32.5°	6411.1	5450.9	4792.9	4666.0	5001.6	5549.4	6524.7	7366.4	7244.5	6988.9
35°	6611.5	5599.5	4893.1	4883.1	5267.2	5758.2	6653.3	7655.3	7605.2	7378.1
37.5°	6771.8	5749.8	5248.8	5138.6	5631.2	6108.9	6860.4	8054.4	7939.2	7832.3
40°	6895.4	6018.7	5581.1	5726.4	6078.8	6427.8	7050.7	8079.5	8411.8	8101.2
42.5°	6781.9	6259.2	6127.2	6474.6	6808.6	6791.9	7072.4	8273.2	8522.0	8360.0
45°	6753.5	6666.6	6990.6	7306.2	7383.1	7094.2	6917.1	8059.4	8488.6	8416.8
47.5°	6685.0	7067.4	7631.9	8146.3	8029.4	7296.2	6731.8	8021.0	8508.6	8380.1
50°	6661.6	7154.3	8106.2	8607.2	8537.0	7471.6	6644.9	7773.8	8366.7	8355.0
52.5°	6660.0	7333.0	8303.2	8857.7	8901.1	7748.8	6763.5	7899.1	8476.9	8575.4
55°	6735.1	7276.2	8278.2	8719.1	8702.4	7625.2	6776.9	7982.6	8612.2	8709.0
57.5°	6352.7	6518.0	6832.0	7181.0	7090.8	6315.9	6052.1	7379.7	7904.1	7834.0
60°	5485.9	4968.2	4614.2	4597.5	4422.2	4180.0	4953.2	6586.5	6586.5	6518.0
62.5°	4804.6	3261.5	2802.3	2672.0	2797.2	3076.1	4777.9	6406.1	6224.1	6145.6
65°	4201.7	2490.0	2025.7	1989.0	2206.1	2626.9	4320.3	5457.6	5136.9	4876.4
67.5°	2703.7	1823.6	1506.3	1441.2	1703.4	1928.8	2875.7	3356.7	3154.6	3052.8
70°	1743.5	1187.4	838.3	786.6	888.4	1189.0	1837.0	1957.2	1663.3	1594.8
72.5°	825.0	512.7	293.9	242.1	272.2	454.2	726.4	781.6	649.6	594.5
75°	262.2	188.7	120.2	103.5	98.5	116.9	167.0	128.6	93.5	91.8
77.5°	116.9	111.9	95.2	80.2	70.1	58.4	48.4	40.1	41.7	43.4
80°	96.9	88.5	78.5	70.1	58.4	45.1	35.1	26.7	26.7	28.4
82.5°	85.2	76.8	68.5	58.4	50.1	36.7	26.7	18.4	16.7	16.7
85°	36.7	43.4	46.8	50.1	40.1	30.1	18.4	11.7	10.0	10.0
87.5°	15.0	13.4	11.7	10.0	8.3	8.3	6.7	5.0	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)