

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: P528158

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
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-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT 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 II - Short
BUG Rating: B2 - U0 - G2

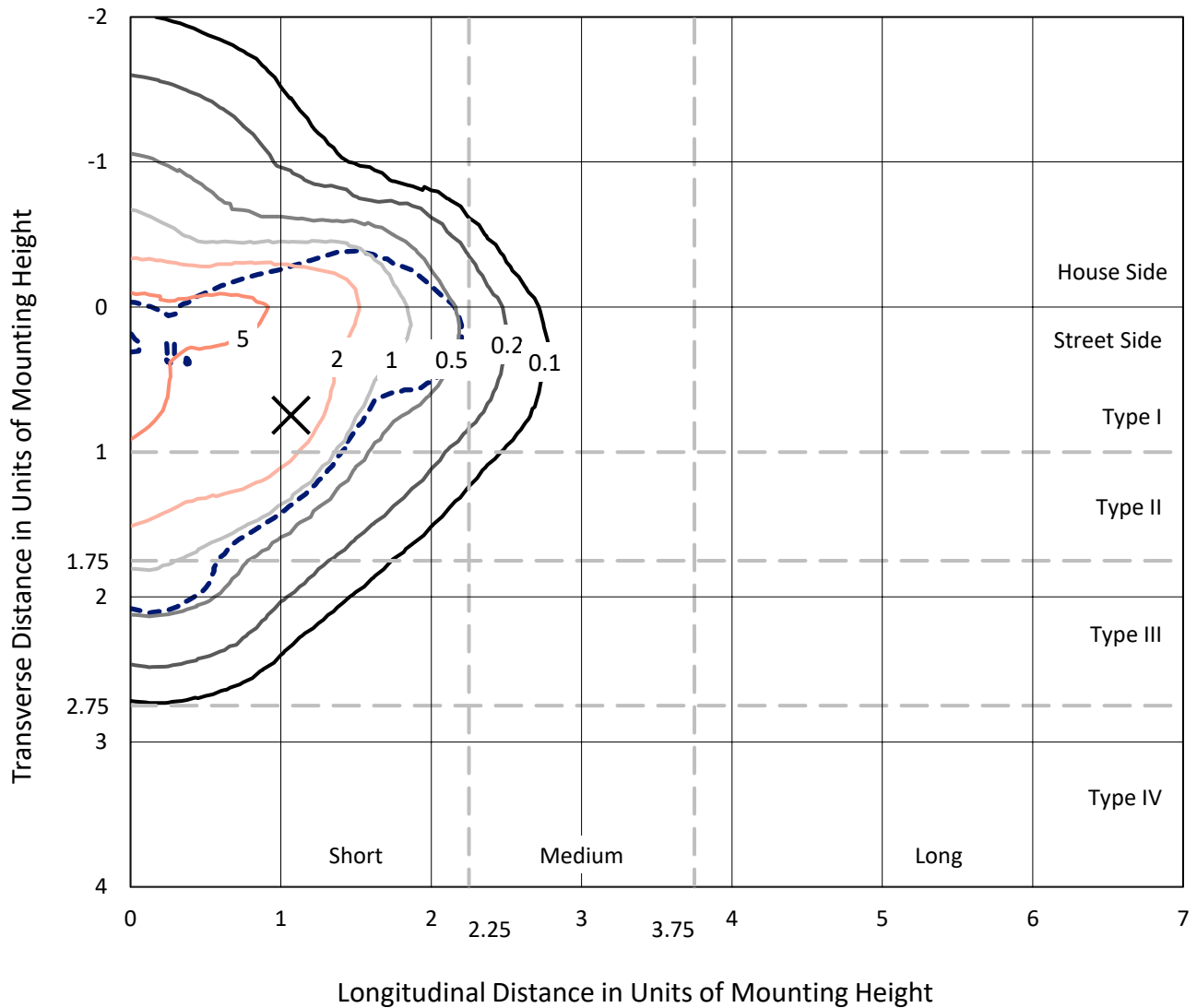
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

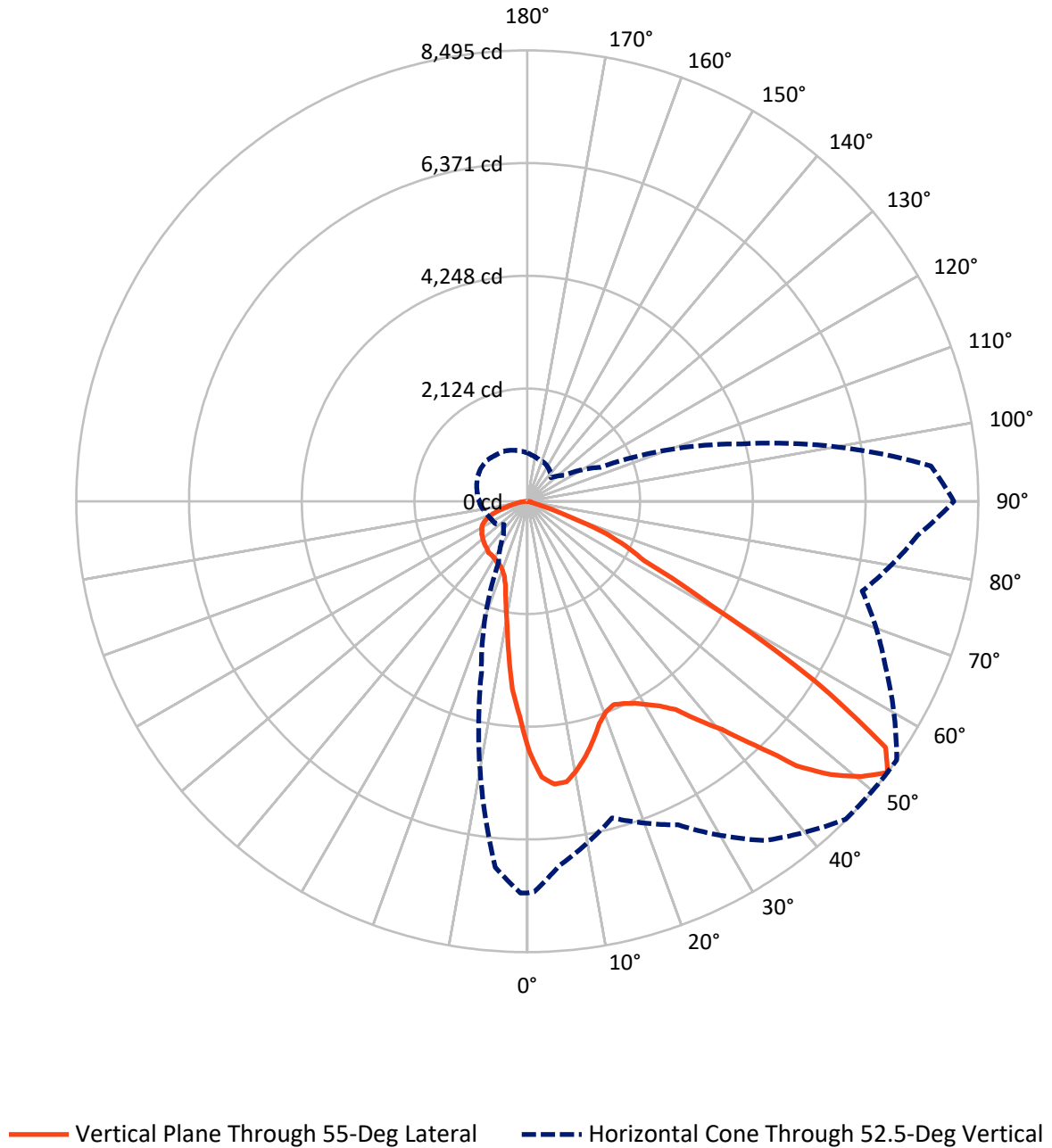
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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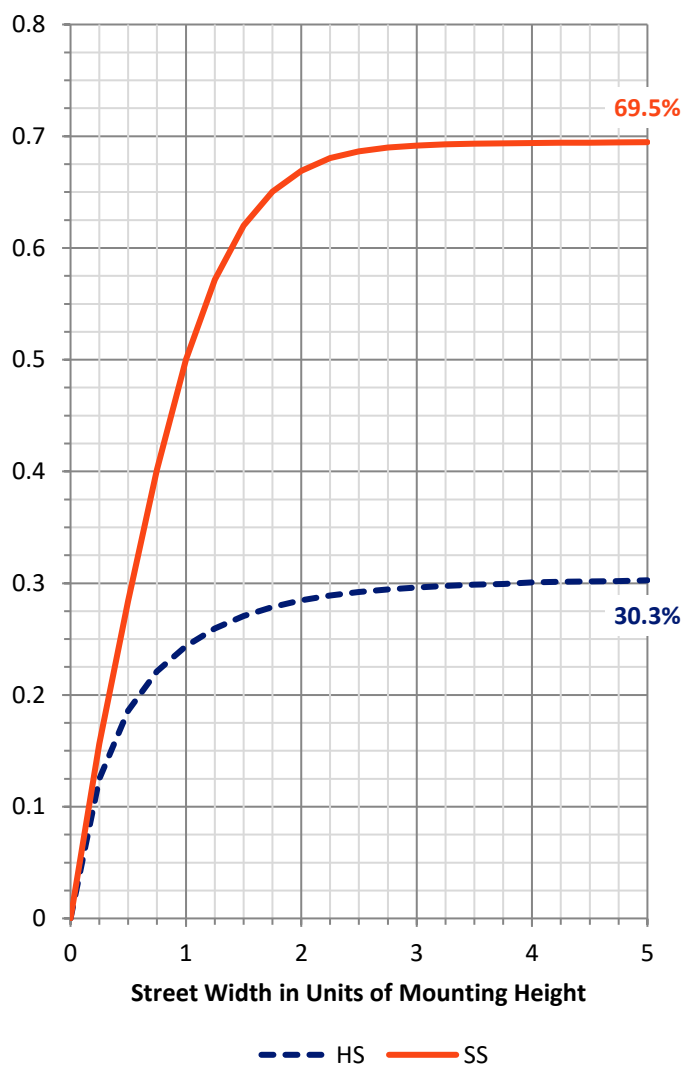
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3227.5	0.0	3227.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	7352.5	0.0	7352.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	10580.0	0.0	10580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.6	3.4
10°-20°	777.4	7.3
20°-30°	1178.8	11.1
30°-40°	1703.2	16.1
40°-50°	2276.0	21.5
50°-60°	2540.5	24.0
60°-70°	1393.6	13.2
70°-80°	301.3	2.8
80°-90°	48.7	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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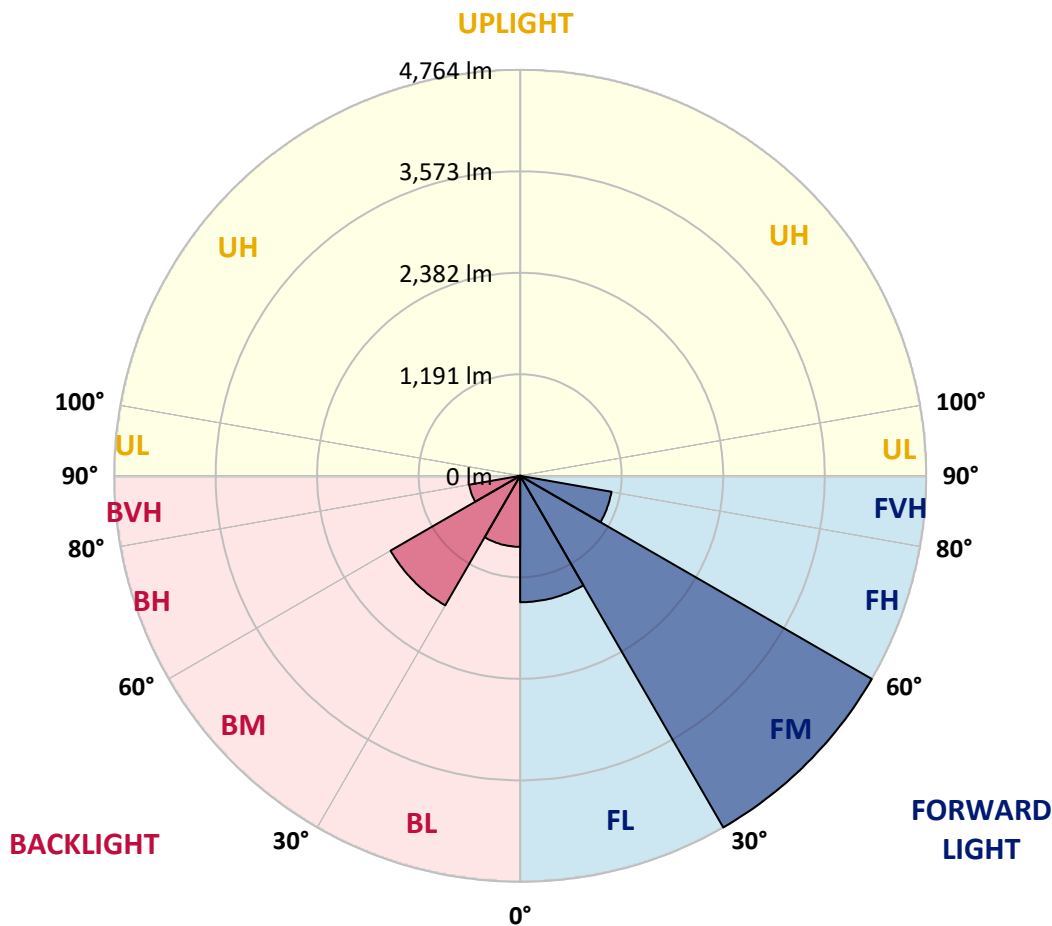
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1483.5	14.0			
FM (30°-60°)	4763.6	45.0			
FH (60°-80°)	1087.4	10.3			G1/1800
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	833.3	7.9	B2/1000		
BM (30°-60°)	1756.0	16.6	B2/2500		
BH (60°-80°)	607.5	5.7	B2/1000		G2/1000
BVH (80°-90°)	30.7	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5
2.5°	4952.8	4925.0	4949.7	5067.1	5135.1	5181.4	5210.8	5206.1	5094.9	4986.8	4986.8
5°	4807.6	4772.0	4823.0	5088.7	5356.0	5379.1	5417.8	5354.4	5190.7	4992.9	4745.8
7.5°	4387.4	4413.6	4498.6	4847.7	5195.3	5369.9	5416.2	5335.9	5070.2	4701.0	4337.9
10°	4024.3	4086.1	4282.3	4659.2	4979.0	5206.1	5257.1	5144.3	4934.2	4481.6	4157.2
12.5°	3899.2	3860.6	4078.4	4455.3	4761.2	4883.3	4906.4	4914.1	4772.0	4370.4	3974.9
15°	3883.7	3908.5	4078.4	4364.2	4552.7	4558.8	4597.5	4657.7	4676.2	4446.1	4059.9
17.5°	4106.2	4076.8	4251.4	4478.5	4388.9	4299.3	4308.6	4395.1	4548.0	4510.9	4327.1
20°	4435.2	4501.7	4639.2	4616.0	4375.0	4147.9	4149.5	4231.3	4532.6	4779.7	4699.4
22.5°	4982.1	5047.0	5149.0	4869.3	4375.0	4103.1	4050.6	4161.8	4631.4	5099.5	5119.6
25°	5481.1	5600.1	5627.9	5298.8	4594.4	4144.8	4110.8	4220.5	4730.3	5411.6	5601.6
27.5°	5935.3	5978.5	6100.6	5575.3	4716.4	4172.6	4169.5	4310.1	4855.4	5567.6	6032.6
30°	6293.7	6289.1	6358.6	5749.9	4911.1	4328.7	4178.8	4444.5	5019.2	5825.6	6431.2
32.5°	6537.8	6590.3	6737.1	5992.4	4992.9	4477.0	4359.5	4602.1	5218.5	5947.6	6712.3
35°	6967.2	7058.4	6873.0	6126.9	5252.5	4623.7	4486.2	4816.8	5317.4	6080.5	7056.8
37.5°	7372.0	7302.5	7114.0	6199.5	5420.9	4895.6	4767.4	5232.4	5624.8	6369.4	7285.5
40°	7631.5	7630.0	7294.8	6258.2	5539.8	5311.2	5303.4	5654.1	6001.7	6551.7	7541.9
42.5°	7744.3	7852.4	7368.9	6252.0	5790.1	5814.8	5970.8	6284.4	6269.0	6588.8	7535.7
44°	7898.8	7963.7	7497.1	6265.9	5956.9	6154.7	6522.3	6721.6	6502.2	6568.7	7528.0
45°	7892.6	7897.2	7314.8	6284.4	6099.0	6438.9	6768.0	7104.7	6707.7	6525.4	7630.0
47.5°	7711.9	7659.3	7160.4	6146.9	6542.4	7189.7	7494.0	7698.0	6961.1	6432.7	7503.3
50°	7355.0	7294.8	6785.0	6088.2	6635.1	7656.2	8076.4	8150.6	7191.2	6341.6	7378.2
52.5°	7379.7	7362.7	6891.5	6176.3	6727.8	7803.0	8476.6	8495.1	7452.3	6533.1	7379.7
55°	7821.5	7762.8	7197.4	6286.0	6659.8	7631.5	8221.7	8189.2	7364.3	6417.3	7515.7
57.5°	7157.3	7195.9	6774.1	5851.9	5828.7	6204.1	6463.6	6383.3	6145.4	5791.6	6992.0
60°	5774.6	5884.3	5924.5	4894.1	4398.2	4205.1	4127.8	3985.7	4025.9	4758.1	6142.3
62.5°	4952.8	4946.6	5198.4	4436.8	2881.1	2477.9	2440.9	2473.3	2936.7	4684.0	6015.6
65°	3927.0	4032.0	4109.3	3760.2	2280.2	1839.9	1838.4	2043.8	2541.3	3914.6	4857.0
67.5°	2493.4	2630.9	2726.6	2405.3	1524.8	1310.0	1274.5	1521.7	1761.1	2567.5	2924.4
70°	1405.8	1470.7	1513.9	1387.3	970.2	679.7	639.6	698.3	1064.4	1662.3	1733.3
72.5°	542.2	571.6	630.3	634.9	366.1	219.4	177.7	213.2	448.0	658.1	627.2
75°	83.4	89.6	126.7	151.4	105.0	80.3	85.0	88.1	125.1	169.9	142.1
77.5°	40.2	40.2	38.6	44.8	52.5	57.2	61.8	68.0	74.2	81.9	78.8
80°	26.3	26.3	26.3	30.9	38.6	46.3	52.5	55.6	58.7	64.9	61.8
82.5°	17.0	17.0	17.0	23.2	30.9	38.6	41.7	49.4	55.6	64.9	60.2
85°	9.3	9.3	9.3	15.4	23.2	32.4	30.9	24.7	13.9	1.5	3.1
87.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5
2.5°	4857.0	4785.9	4779.7	4634.5	4504.8	4441.4	4390.4	4248.3	4279.2	4197.3	4195.8
5°	4622.2	4477.0	4242.1	4049.0	3855.9	3817.3	3648.9	3502.2	3506.8	3401.7	3420.3
7.5°	4200.4	4100.0	3814.2	3511.4	3255.0	3072.7	2913.6	2817.8	2695.8	2654.0	2632.4
10°	3933.2	3809.6	3488.3	3108.2	2820.9	2723.6	2570.6	2485.7	2360.5	2298.7	2255.5
12.5°	3815.8	3635.0	3233.4	2847.1	2655.6	2555.2	2425.4	2270.9	2122.6	2065.5	1986.7
15°	3828.1	3611.8	3159.2	2742.1	2511.9	2317.3	2201.4	2029.9	1878.5	1778.1	1721.0
17.5°	4015.0	3752.4	3193.2	2661.8	2331.2	2087.1	1860.0	1674.6	1554.1	1478.4	1459.9
20°	4456.9	4100.0	3250.4	2532.0	2150.4	1846.1	1566.5	1373.4	1280.7	1279.1	1280.7
22.5°	4824.5	4470.8	3366.2	2454.8	1969.7	1537.1	1259.0	1197.3	1178.7	1217.3	1222.0
25°	5320.4	4887.9	3565.5	2414.6	1802.8	1310.0	1138.6	1115.4	1113.8	1163.3	1164.8
27.5°	5828.7	5252.5	3684.5	2297.2	1632.9	1192.6	1065.9	1061.3	1086.0	1138.6	1133.9
30°	6174.7	5558.3	3899.2	2156.6	1432.1	1089.1	1036.6	1042.8	1076.8	1116.9	1123.1
32.5°	6577.9	5859.6	3954.8	2079.4	1308.5	1002.6	965.5	979.4	1022.7	1086.0	1120.0
35°	7039.9	6072.8	4039.8	1974.3	1262.1	936.2	917.6	933.1	985.6	1027.3	1064.4
37.5°	7381.3	6449.7	4055.2	1892.4	1211.2	899.1	869.7	920.7	951.6	1010.3	1028.9
40°	7634.6	6723.2	4095.4	1841.5	1171.0	851.2	851.2	885.2	926.9	981.0	1018.1
42.5°	7796.8	6922.4	4124.7	1795.1	1093.7	837.3	829.6	863.6	919.2	971.7	988.7
44°	7895.7	7007.4	4095.4	1751.9	1072.1	820.3	820.3	849.7	892.9	954.7	974.8
45°	7920.4	7114.0	4030.5	1750.3	1045.9	800.2	797.1	852.8	882.1	957.8	970.2
47.5°	8016.2	7245.3	4038.2	1700.9	982.5	752.3	806.4	831.1	857.4	923.8	965.5
50°	8013.1	7327.2	4021.2	1628.3	936.2	698.3	787.9	815.7	841.9	909.9	926.9
52.5°	8034.7	7633.1	4177.3	1512.4	852.8	628.8	726.1	787.9	820.3	877.5	913.0
55°	8023.9	7807.6	4331.7	1425.9	735.3	587.0	673.6	746.2	792.5	852.8	869.7
57.5°	7328.7	6900.8	4008.9	1263.7	608.7	537.6	599.4	702.9	761.6	823.4	845.0
60°	5987.8	5318.9	3306.0	930.0	500.5	494.4	557.7	689.0	713.7	767.8	804.9
62.5°	5533.6	4665.4	2621.6	710.6	427.9	452.6	514.4	622.6	661.2	727.6	761.6
65°	4330.2	3099.0	1623.6	480.4	376.9	406.3	465.0	545.3	608.7	670.5	710.6
67.5°	2564.4	1693.1	803.3	336.8	329.1	359.9	420.2	480.4	553.1	621.0	641.1
70°	1396.5	832.7	343.0	256.4	279.6	307.4	366.1	407.8	477.4	529.9	563.9
72.5°	448.0	253.4	171.5	190.0	213.2	245.6	281.2	332.1	381.6	412.5	440.3
75°	108.1	106.6	122.0	132.9	154.5	179.2	208.6	234.8	273.4	302.8	327.5
77.5°	75.7	81.9	94.2	109.7	117.4	126.7	145.2	165.3	182.3	203.9	219.4
80°	58.7	63.3	72.6	80.3	88.1	95.8	105.0	112.8	123.6	137.5	145.2
82.5°	55.6	58.7	68.0	72.6	69.5	68.0	74.2	77.2	78.8	83.4	88.1
85°	4.6	0.0	3.1	10.8	26.3	38.6	41.7	41.7	40.2	43.3	43.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.2	4.6
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°	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5
2.5°	4177.3	4124.7	4144.8	4169.5	4134.0	4052.1	4073.8	4064.5	4147.9	4141.7	4225.1
5°	3502.2	3420.3	3429.6	3550.1	3511.4	3553.1	3469.7	3458.9	3474.4	3482.1	3496.0
7.5°	2680.3	2669.5	2762.2	2864.1	2912.0	2862.6	2780.7	2762.2	2745.2	2711.2	2788.4
10°	2187.5	2190.6	2184.4	2261.7	2315.7	2304.9	2255.5	2249.3	2216.9	2204.5	2247.7
12.5°	1952.7	1911.0	1890.9	1866.2	1907.9	1935.7	1914.1	1898.6	1900.2	1915.6	1921.8
15°	1725.6	1699.3	1656.1	1628.3	1648.3	1634.4	1626.7	1657.6	1649.9	1646.8	1683.9
17.5°	1470.7	1492.3	1489.2	1458.3	1484.6	1473.8	1472.2	1450.6	1421.3	1399.6	1412.0
20°	1302.3	1342.5	1373.4	1374.9	1388.8	1387.3	1364.1	1297.7	1276.0	1271.4	1274.5
22.5°	1242.1	1263.7	1300.8	1353.3	1353.3	1328.6	1300.8	1223.5	1203.4	1181.8	1172.5
25°	1194.2	1235.9	1283.8	1289.9	1314.7	1291.5	1246.7	1208.1	1166.4	1137.0	1137.0
27.5°	1169.4	1215.8	1251.3	1262.1	1296.1	1277.6	1231.2	1181.8	1132.4	1130.8	1104.6
30°	1158.6	1201.9	1225.1	1251.3	1266.8	1237.4	1223.5	1171.0	1121.6	1109.2	1065.9
32.5°	1126.2	1188.0	1231.2	1225.1	1237.4	1225.1	1205.0	1161.7	1106.1	1078.3	1073.7
35°	1089.1	1150.9	1197.3	1229.7	1237.4	1211.2	1198.8	1140.1	1064.4	1050.5	1002.6
37.5°	1069.0	1106.1	1163.3	1215.8	1226.6	1212.7	1171.0	1110.7	1035.0	1019.6	977.9
40°	1044.3	1092.2	1137.0	1180.3	1212.7	1178.7	1130.8	1072.1	1038.1	991.8	979.4
42.5°	1025.8	1079.8	1116.9	1164.8	1201.9	1157.1	1101.5	1061.3	1013.4	982.5	947.0
44°	1019.6	1069.0	1093.7	1152.5	1183.4	1149.4	1103.0	1061.3	1005.7	977.9	947.0
45°	998.0	1065.9	1092.2	1144.7	1171.0	1143.2	1084.5	1042.8	1002.6	968.6	936.2
47.5°	976.3	1022.7	1067.5	1109.2	1127.7	1118.5	1069.0	1018.1	970.2	950.1	919.2
50°	970.2	1016.5	1058.2	1096.8	1118.5	1099.9	1055.1	1005.7	950.1	917.6	891.4
52.5°	939.3	996.4	1042.8	1055.1	1082.9	1072.1	1038.1	984.1	931.5	903.7	882.1
55°	894.5	954.7	1018.1	1033.5	1073.7	1056.7	1005.7	954.7	909.9	868.2	840.4
57.5°	877.5	936.2	998.0	1018.1	1042.8	1015.0	1002.6	948.5	877.5	855.8	812.6
60°	834.2	908.4	959.3	1005.7	1007.2	999.5	977.9	916.1	857.4	817.2	786.3
62.5°	800.2	869.7	909.9	953.2	979.4	957.8	936.2	879.0	815.7	770.9	735.3
65°	750.8	814.1	848.1	874.4	903.7	900.6	863.6	821.9	755.4	719.9	685.9
67.5°	675.1	730.7	777.1	801.8	820.3	815.7	787.9	758.5	690.5	655.0	630.3
70°	584.0	641.1	670.5	684.4	702.9	712.2	690.5	676.6	616.4	570.0	546.9
72.5°	469.6	506.7	550.0	562.3	570.0	576.2	576.2	563.9	502.1	483.5	443.4
75°	346.0	375.4	407.8	407.8	421.7	423.3	426.4	418.7	372.3	347.6	338.3
77.5°	234.8	256.4	282.7	293.5	302.8	301.2	299.7	278.1	253.4	242.5	233.3
80°	152.9	174.6	186.9	200.8	210.1	208.6	211.6	196.2	185.4	166.8	169.9
82.5°	91.1	108.1	120.5	137.5	137.5	142.1	142.1	137.5	126.7	117.4	117.4
85°	43.3	57.2	64.9	75.7	81.9	83.4	74.2	63.3	52.5	47.9	52.5
87.5°	7.7	10.8	15.4	13.9	17.0	15.4	15.4	15.4	15.4	12.4	13.9
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: P528158

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5	4719.5
2.5°	4194.3	4271.5	4325.6	4415.2	4569.6	4693.2	4819.9	4914.1	4925.0	4952.8
5°	3547.0	3588.7	3726.2	3905.4	4032.0	4240.6	4375.0	4619.1	4710.2	4807.6
7.5°	2769.9	2837.9	3021.7	3142.2	3420.3	3681.4	3951.7	4253.0	4373.5	4387.4
10°	2335.8	2434.7	2559.8	2752.9	2904.3	3194.7	3531.5	3866.7	4001.1	4024.3
12.5°	2051.6	2178.2	2345.1	2484.1	2629.3	2882.7	3205.6	3619.6	3794.1	3899.2
15°	1778.1	1909.4	2093.3	2286.4	2414.6	2717.4	3097.4	3564.0	3791.0	3883.7
17.5°	1497.0	1619.0	1770.4	1978.9	2236.9	2576.8	3080.4	3749.3	3998.1	4106.2
20°	1256.0	1323.9	1500.0	1714.8	2037.6	2433.1	3086.6	4022.8	4387.4	4435.2
22.5°	1161.7	1177.2	1246.7	1444.4	1798.2	2286.4	3196.3	4410.5	4824.5	4982.1
25°	1089.1	1086.0	1104.6	1237.4	1623.6	2229.2	3304.4	4767.4	5309.6	5481.1
27.5°	1048.9	1018.1	1019.6	1144.7	1500.0	2136.5	3443.5	5176.8	5859.6	5935.3
30°	1028.9	1022.7	1004.1	1055.1	1365.6	1997.5	3466.6	5580.0	6184.0	6293.7
32.5°	1016.5	956.3	933.1	951.6	1239.0	1846.1	3553.1	5845.7	6585.7	6537.8
35°	954.7	900.6	885.2	903.7	1149.4	1761.1	3496.0	6077.4	6886.9	6967.2
37.5°	931.5	883.7	852.8	837.3	1065.9	1690.1	3466.6	6434.3	7178.9	7372.0
40°	909.9	858.9	821.9	806.4	1001.1	1595.8	3457.4	6709.3	7515.7	7631.5
42.5°	885.2	852.8	811.0	783.2	922.3	1501.6	3350.8	6794.2	7619.2	7744.3
44°	877.5	828.0	784.8	775.5	891.4	1453.7	3329.1	6871.5	7708.8	7898.8
45°	869.7	823.4	774.0	761.6	880.6	1427.4	3299.8	6890.0	7857.1	7892.6
47.5°	848.1	818.8	770.9	736.9	857.4	1370.3	3211.7	6785.0	7705.7	7711.9
50°	831.1	797.1	747.7	681.3	826.5	1322.4	3251.9	6746.3	7341.1	7355.0
52.5°	812.6	761.6	733.8	619.5	775.5	1282.2	3336.9	6920.9	7382.8	7379.7
55°	791.0	735.3	667.4	567.0	690.5	1231.2	3542.3	7265.4	7769.0	7821.5
57.5°	757.0	709.1	611.8	520.6	593.2	1133.9	3475.9	6605.8	7148.0	7157.3
60°	712.2	667.4	554.6	485.1	486.6	894.5	3108.2	5147.4	5640.2	5774.6
62.5°	668.9	644.2	506.7	434.1	414.0	712.2	2627.8	4277.7	4841.5	4952.8
65°	617.9	557.7	465.0	395.5	355.3	499.0	1861.5	3196.3	3777.1	3927.0
67.5°	553.1	488.2	409.4	347.6	304.3	333.7	960.9	1816.7	2405.3	2493.4
70°	483.5	423.3	344.5	293.5	245.6	230.2	423.3	866.7	1314.7	1405.8
72.5°	397.0	341.4	275.0	231.7	183.8	159.1	142.1	231.7	466.5	542.2
75°	287.3	248.7	207.0	165.3	129.8	102.0	83.4	69.5	77.2	83.4
77.5°	211.6	180.7	152.9	117.4	91.1	72.6	57.2	43.3	41.7	40.2
80°	165.3	146.8	122.0	94.2	71.1	54.1	40.2	29.4	26.3	26.3
82.5°	129.8	120.5	100.4	77.2	58.7	43.3	29.4	20.1	17.0	17.0
85°	49.4	49.4	72.6	63.3	44.8	30.9	20.1	10.8	9.3	9.3
87.5°	12.4	12.4	12.4	12.4	10.8	9.3	9.3	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)