

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: P527820

Luminaire Tested: **GALN-SA2D-760-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527820  
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-SA2D-760-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5700K, 1200mA 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: 11586 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

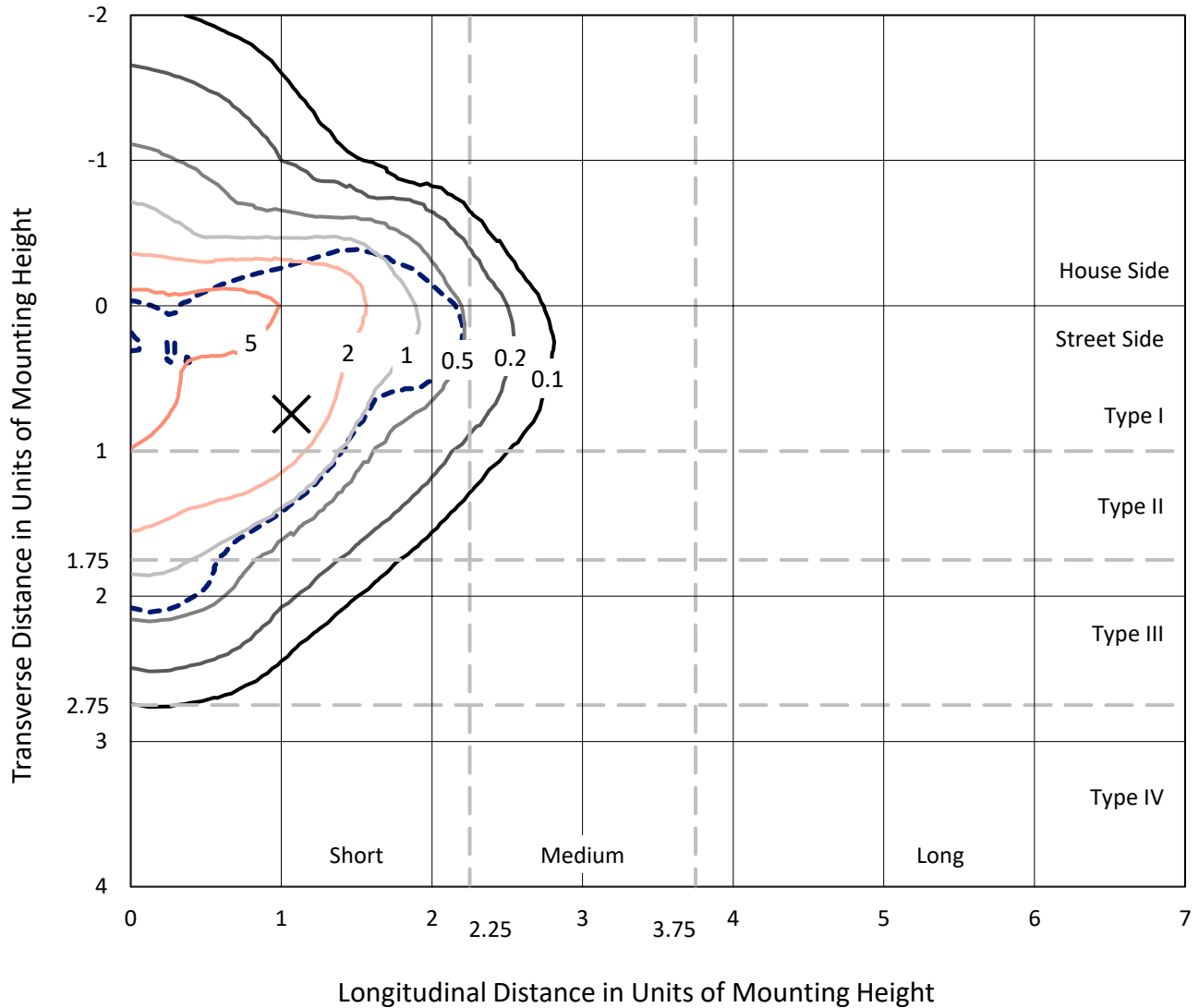
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

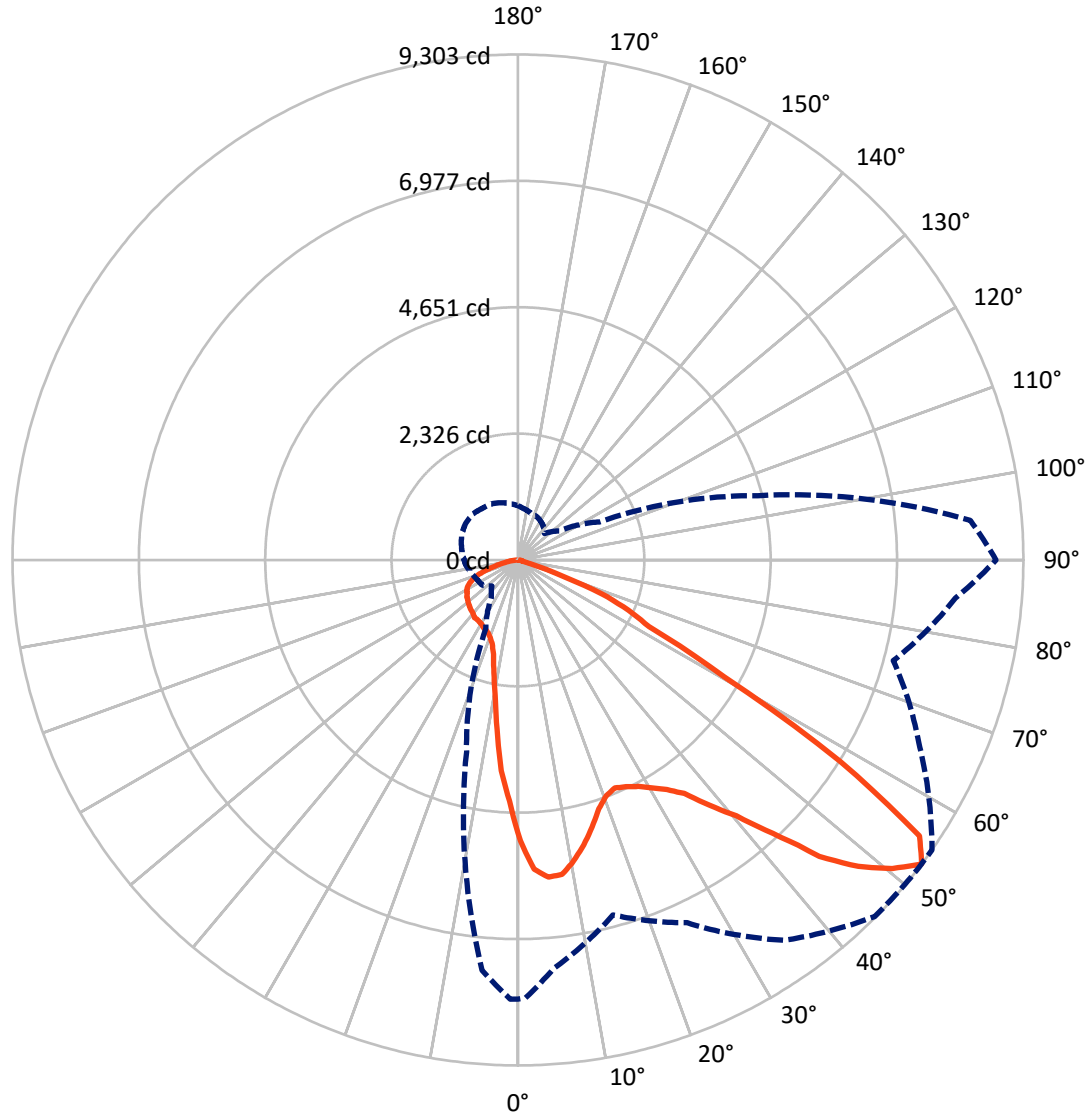
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical



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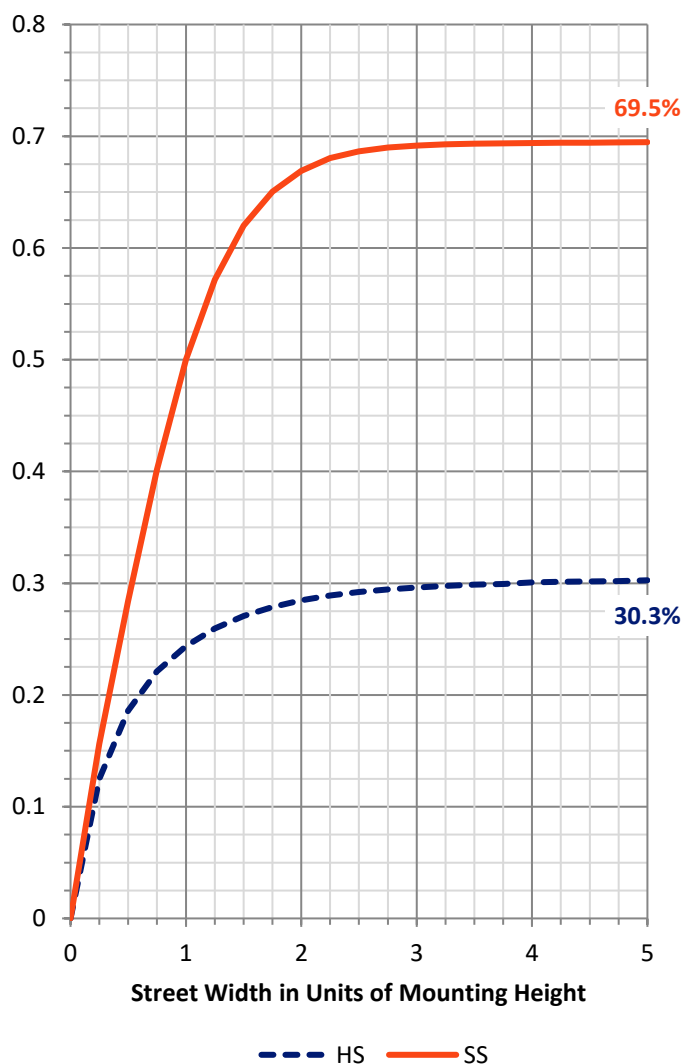
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3534.4	0.0	3534.4
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	8051.6	0.0	8051.6
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	11586.0	0.0	11586.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.8	3.4
10°-20°	851.3	7.3
20°-30°	1290.9	11.1
30°-40°	1865.2	16.1
40°-50°	2492.4	21.5
50°-60°	2782.0	24.0
60°-70°	1526.1	13.2
70°-80°	329.9	2.8
80°-90°	53.4	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°	11586.0	100.0
0°-180°	11586.0	100.0

**Coefficient of Utilization**



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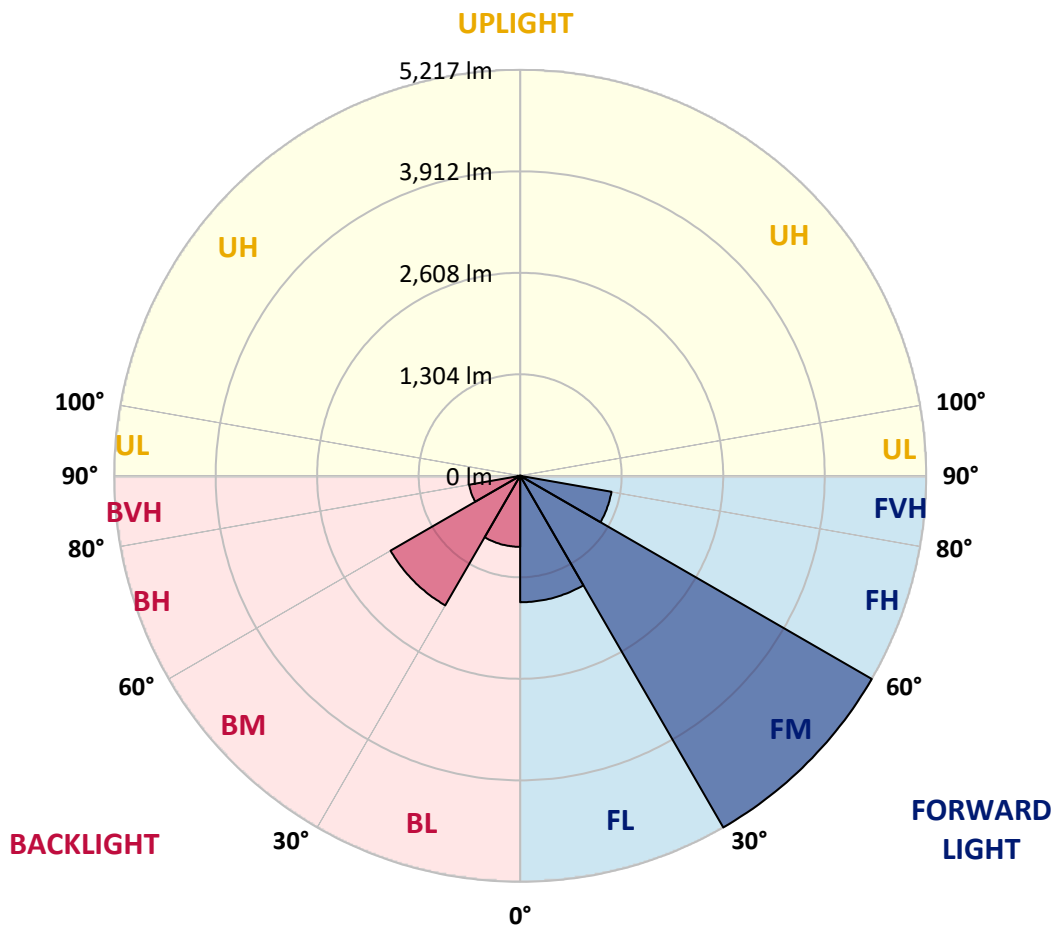
CATALOG NUMBER: GALN-SA2D-760-U-SLL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1624.6	14.0			
FM (30°-60°)	5216.6	45.0			
FH (60°-80°)	1190.8	10.3			G1/1800
FVH (80°-90°)	19.8	0.2			G1/100
BL (0°-30°)	912.5	7.9	B2/1000		
BM (30°-60°)	1923.0	16.6	B2/2500		
BH (60°-80°)	665.2	5.7	B2/1000		G2/1000
BVH (80°-90°)	33.6	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°	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3
2.5°	5423.7	5393.3	5420.3	5548.9	5623.3	5674.1	5706.2	5701.1	5579.3	5460.9	5460.9
5°	5264.7	5225.8	5281.6	5572.6	5865.2	5890.6	5932.9	5863.6	5684.2	5467.7	5197.0
7.5°	4804.5	4833.3	4926.3	5308.7	5689.3	5880.5	5931.2	5843.3	5552.3	5148.0	4750.4
10°	4407.0	4474.6	4689.5	5102.3	5452.5	5701.1	5757.0	5633.5	5403.4	4907.7	4552.5
12.5°	4269.9	4227.6	4466.2	4879.0	5213.9	5347.6	5373.0	5381.4	5225.8	4785.9	4352.8
15°	4253.0	4280.1	4466.2	4779.2	4985.5	4992.3	5034.6	5100.6	5120.9	4868.8	4445.9
17.5°	4496.6	4464.5	4655.7	4904.3	4806.2	4708.1	4718.3	4813.0	4980.5	4939.9	4738.6
20°	4857.0	4929.7	5080.3	5054.9	4791.0	4542.3	4544.0	4633.7	4963.6	5234.2	5146.3
22.5°	5455.8	5526.9	5638.6	5332.4	4791.0	4493.2	4435.7	4557.5	5071.8	5584.4	5606.4
25°	6002.3	6132.5	6163.0	5802.7	5031.2	4538.9	4501.7	4621.8	5180.1	5926.1	6134.2
27.5°	6499.6	6547.0	6680.7	6105.5	5164.9	4569.4	4566.0	4719.9	5317.1	6097.0	6606.2
30°	6892.1	6887.1	6963.2	6296.6	5378.0	4740.2	4576.1	4867.1	5496.4	6379.5	7042.7
32.5°	7159.4	7216.9	7377.7	6562.2	5467.7	4902.6	4774.1	5039.7	5714.7	6513.2	7350.6
35°	7629.7	7729.5	7526.5	6709.4	5751.9	5063.4	4912.8	5274.8	5823.0	6658.7	7727.8
37.5°	8073.0	7996.8	7790.4	6788.9	5936.3	5361.1	5220.7	5729.9	6159.6	6975.0	7978.2
40°	8357.2	8355.5	7988.4	6853.2	6066.6	5816.2	5807.7	6191.8	6572.4	7174.7	8259.1
42.5°	8480.7	8599.1	8069.6	6846.5	6340.6	6367.7	6538.6	6882.0	6865.1	7215.3	8252.3
44°	8649.8	8720.9	8210.0	6861.7	6523.3	6739.9	7142.5	7360.7	7120.5	7193.3	8243.8
45°	8643.1	8648.2	8010.4	6882.0	6679.0	7051.2	7411.5	7780.3	7345.5	7145.9	8355.5
47.5°	8445.1	8387.6	7841.2	6731.4	7164.5	7873.3	8206.6	8429.9	7623.0	7044.4	8216.8
50°	8054.4	7988.4	7430.1	6667.1	7266.0	8384.2	8844.4	8925.6	7875.0	6944.6	8079.7
52.5°	8081.4	8062.8	7546.8	6763.6	7367.5	8545.0	9282.6	9302.9	8160.9	7154.3	8081.4
55°	8565.3	8501.0	7881.8	6883.7	7293.1	8357.2	9003.4	8967.9	8064.5	7027.5	8230.3
57.5°	7837.8	7880.1	7418.3	6408.3	6382.9	6794.0	7078.2	6990.3	6729.7	6342.3	7656.8
60°	6323.7	6443.8	6487.8	5359.4	4816.4	4604.9	4520.3	4364.7	4408.7	5210.5	6726.3
62.5°	5423.7	5416.9	5692.7	4858.7	3155.1	2713.5	2672.9	2708.5	3216.0	5129.3	6587.6
65°	4300.4	4415.4	4500.0	4117.7	2497.0	2014.9	2013.2	2238.2	2782.9	4286.9	5318.8
67.5°	2730.5	2881.0	2985.9	2634.0	1669.7	1434.6	1395.7	1666.4	1928.6	2811.7	3202.5
70°	1539.5	1610.5	1657.9	1519.2	1062.4	744.4	700.4	764.7	1165.6	1820.3	1898.1
72.5°	593.8	625.9	690.2	695.3	400.9	240.2	194.5	233.5	490.6	720.7	686.8
75°	91.4	98.1	138.7	165.8	115.0	88.0	93.0	96.4	137.0	186.1	155.6
77.5°	44.0	44.0	42.3	49.1	57.5	62.6	67.7	74.4	81.2	89.7	86.3
80°	28.8	28.8	28.8	33.8	42.3	50.8	57.5	60.9	64.3	71.1	67.7
82.5°	18.6	18.6	18.6	25.4	33.8	42.3	45.7	54.1	60.9	71.1	66.0
85°	10.2	10.2	10.2	16.9	25.4	35.5	33.8	27.1	15.2	1.7	3.4
87.5°	3.4	3.4	3.4	3.4	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°	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3
2.5°	5318.8	5241.0	5234.2	5075.2	4933.1	4863.7	4807.9	4652.3	4686.1	4596.4	4594.8
5°	5061.7	4902.6	4645.5	4434.0	4222.6	4180.3	3995.9	3835.2	3840.2	3725.2	3745.5
7.5°	4599.8	4489.9	4176.9	3845.3	3564.5	3364.9	3190.6	3085.7	2952.1	2906.4	2882.7
10°	4307.2	4171.8	3819.9	3403.8	3089.1	2982.5	2815.0	2722.0	2585.0	2517.3	2469.9
12.5°	4178.6	3980.7	3540.8	3117.9	2908.1	2798.1	2656.0	2486.9	2324.4	2261.9	2175.6
15°	4192.1	3955.3	3459.6	3002.8	2750.8	2537.6	2410.7	2222.9	2057.2	1947.2	1884.6
17.5°	4396.8	4109.2	3496.8	2914.9	2552.8	2285.5	2036.8	1833.8	1701.9	1619.0	1598.7
20°	4880.7	4489.9	3559.4	2772.8	2354.9	2021.6	1715.4	1504.0	1402.4	1400.8	1402.4
22.5°	5283.3	4895.9	3686.3	2688.2	2157.0	1683.3	1378.8	1311.1	1290.8	1333.1	1338.2
25°	5826.3	5352.7	3904.5	2644.2	1974.3	1434.6	1246.8	1221.4	1219.7	1273.9	1275.6
27.5°	6382.9	5751.9	4034.8	2515.6	1788.2	1306.0	1167.3	1162.2	1189.3	1246.8	1241.7
30°	6761.9	6086.9	4269.9	2361.7	1568.2	1192.7	1135.2	1141.9	1179.1	1223.1	1229.9
32.5°	7203.4	6416.8	4330.8	2277.1	1432.9	1097.9	1057.3	1072.6	1119.9	1189.3	1226.5
35°	7709.2	6650.2	4423.9	2162.0	1382.1	1025.2	1004.9	1021.8	1079.3	1125.0	1165.6
37.5°	8083.1	7063.0	4440.8	2072.4	1326.3	984.6	952.4	1008.3	1042.1	1106.4	1126.7
40°	8360.6	7362.4	4484.8	2016.5	1282.3	932.1	932.1	969.4	1015.0	1074.3	1114.9
42.5°	8538.2	7580.7	4516.9	1965.8	1197.7	916.9	908.5	945.7	1006.6	1064.1	1082.7
44°	8646.5	7673.7	4484.8	1918.4	1174.1	898.3	898.3	930.5	977.8	1045.5	1067.5
45°	8673.5	7790.4	4413.7	1916.7	1145.3	876.3	872.9	933.8	966.0	1048.9	1062.4
47.5°	8778.4	7934.2	4422.2	1862.6	1075.9	823.9	883.1	910.2	938.9	1011.7	1057.3
50°	8775.0	8023.9	4403.6	1783.1	1025.2	764.7	862.8	893.2	922.0	996.4	1015.0
52.5°	8798.7	8358.9	4574.5	1656.2	933.8	688.5	795.1	862.8	898.3	960.9	999.8
55°	8786.9	8550.0	4743.6	1561.5	805.3	642.9	737.6	817.1	867.9	933.8	952.4
57.5°	8025.6	7557.0	4390.1	1383.8	666.5	588.7	656.4	769.7	834.0	901.7	925.4
60°	6557.2	5824.6	3620.3	1018.4	548.1	541.4	610.7	754.5	781.6	840.8	881.4
62.5°	6059.8	5109.0	2870.9	778.2	468.6	495.7	563.3	681.8	724.1	796.8	834.0
65°	4741.9	3393.6	1778.0	526.1	412.8	444.9	509.2	597.2	666.5	734.2	778.2
67.5°	2808.3	1854.1	879.7	368.8	360.3	394.2	460.2	526.1	605.6	680.1	702.1
70°	1529.3	911.8	375.6	280.8	306.2	336.7	400.9	446.6	522.7	580.3	617.5
72.5°	490.6	277.4	187.8	208.1	233.5	269.0	307.9	363.7	417.9	451.7	482.1
75°	118.4	116.7	133.6	145.5	169.2	196.2	228.4	257.1	299.4	331.6	358.6
77.5°	82.9	89.7	103.2	120.1	128.6	138.7	159.0	181.0	199.6	223.3	240.2
80°	64.3	69.4	79.5	88.0	96.4	104.9	115.0	123.5	135.3	150.6	159.0
82.5°	60.9	64.3	74.4	79.5	76.1	74.4	81.2	84.6	86.3	91.4	96.4
85°	5.1	0.0	3.4	11.8	28.8	42.3	45.7	45.7	44.0	47.4	47.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	6.8	5.1
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°	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3
2.5°	4574.5	4516.9	4538.9	4566.0	4527.1	4437.4	4461.1	4451.0	4542.3	4535.5	4626.9
5°	3835.2	3745.5	3755.7	3887.6	3845.3	3891.0	3799.6	3787.8	3804.7	3813.2	3828.4
7.5°	2935.2	2923.3	3024.8	3136.5	3188.9	3134.8	3045.1	3024.8	3006.2	2969.0	3053.6
10°	2395.5	2398.9	2392.1	2476.7	2535.9	2524.1	2469.9	2463.2	2427.6	2414.1	2461.5
12.5°	2138.4	2092.7	2070.7	2043.6	2089.3	2119.7	2096.1	2079.1	2080.8	2097.8	2104.5
15°	1889.7	1860.9	1813.5	1783.1	1805.1	1789.9	1781.4	1815.2	1806.8	1803.4	1844.0
17.5°	1610.5	1634.2	1630.8	1597.0	1625.8	1613.9	1612.2	1588.5	1556.4	1532.7	1546.2
20°	1426.1	1470.1	1504.0	1505.6	1520.9	1519.2	1493.8	1421.1	1397.4	1392.3	1395.7
22.5°	1360.2	1383.8	1424.4	1482.0	1482.0	1454.9	1424.4	1339.9	1317.9	1294.2	1284.0
25°	1307.7	1353.4	1405.8	1412.6	1439.7	1414.3	1365.2	1322.9	1277.3	1245.1	1245.1
27.5°	1280.6	1331.4	1370.3	1382.1	1419.4	1399.1	1348.3	1294.2	1240.0	1238.4	1209.6
30°	1268.8	1316.2	1341.5	1370.3	1387.2	1355.1	1339.9	1282.3	1228.2	1214.7	1167.3
32.5°	1233.3	1300.9	1348.3	1341.5	1355.1	1341.5	1319.6	1272.2	1211.3	1180.8	1175.8
35°	1192.7	1260.3	1311.1	1346.6	1355.1	1326.3	1312.8	1248.5	1165.6	1150.4	1097.9
37.5°	1170.7	1211.3	1273.9	1331.4	1343.2	1328.0	1282.3	1216.4	1133.5	1116.5	1070.9
40°	1143.6	1196.1	1245.1	1292.5	1328.0	1290.8	1238.4	1174.1	1136.8	1086.1	1072.6
42.5°	1123.3	1182.5	1223.1	1275.6	1316.2	1267.1	1206.2	1162.2	1109.8	1075.9	1037.0
44°	1116.5	1170.7	1197.7	1262.0	1295.9	1258.7	1207.9	1162.2	1101.3	1070.9	1037.0
45°	1092.9	1167.3	1196.1	1253.6	1282.3	1251.9	1187.6	1141.9	1097.9	1060.7	1025.2
47.5°	1069.2	1119.9	1169.0	1214.7	1235.0	1224.8	1170.7	1114.9	1062.4	1040.4	1006.6
50°	1062.4	1113.2	1158.8	1201.1	1224.8	1204.5	1155.5	1101.3	1040.4	1004.9	976.1
52.5°	1028.6	1091.2	1141.9	1155.5	1185.9	1174.1	1136.8	1077.6	1020.1	989.7	966.0
55°	979.5	1045.5	1114.9	1131.8	1175.8	1157.1	1101.3	1045.5	996.4	950.8	920.3
57.5°	960.9	1025.2	1092.9	1114.9	1141.9	1111.5	1097.9	1038.7	960.9	937.2	889.9
60°	913.5	994.7	1050.6	1101.3	1103.0	1094.6	1070.9	1003.2	938.9	894.9	861.1
62.5°	876.3	952.4	996.4	1043.8	1072.6	1048.9	1025.2	962.6	893.2	844.2	805.3
65°	822.2	891.5	928.8	957.5	989.7	986.3	945.7	900.0	827.3	788.3	751.1
67.5°	739.3	800.2	850.9	878.0	898.3	893.2	862.8	830.6	756.2	717.3	690.2
70°	639.5	702.1	734.2	749.4	769.7	779.9	756.2	741.0	675.0	624.3	598.9
72.5°	514.3	554.9	602.3	615.8	624.3	631.0	631.0	617.5	549.8	529.5	485.5
75°	378.9	411.1	446.6	446.6	461.8	463.5	466.9	458.5	407.7	380.6	370.5
77.5°	257.1	280.8	309.6	321.4	331.6	329.9	328.2	304.5	277.4	265.6	255.5
80°	167.5	191.2	204.7	219.9	230.1	228.4	231.8	214.9	203.0	182.7	186.1
82.5°	99.8	118.4	132.0	150.6	150.6	155.6	155.6	150.6	138.7	128.6	128.6
85°	47.4	62.6	71.1	82.9	89.7	91.4	81.2	69.4	57.5	52.4	57.5
87.5°	8.5	11.8	16.9	15.2	18.6	16.9	16.9	16.9	16.9	13.5	15.2
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: P527820

CATALOG NUMBER: GALN-SA2D-760-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3	5168.3
2.5°	4593.1	4677.6	4736.9	4835.0	5004.2	5139.5	5278.2	5381.4	5393.3	5423.7
5°	3884.2	3929.9	4080.5	4276.7	4415.4	4643.8	4791.0	5058.3	5158.1	5264.7
7.5°	3033.3	3107.7	3309.0	3441.0	3745.5	4031.4	4327.5	4657.3	4789.3	4804.5
10°	2557.9	2666.2	2803.2	3014.7	3180.5	3498.5	3867.3	4234.4	4381.6	4407.0
12.5°	2246.6	2385.3	2568.1	2720.3	2879.3	3156.8	3510.4	3963.7	4154.9	4269.9
15°	1947.2	2091.0	2292.3	2503.8	2644.2	2975.8	3391.9	3902.8	4151.5	4253.0
17.5°	1639.3	1772.9	1938.7	2167.1	2449.6	2821.8	3373.3	4105.8	4378.2	4496.6
20°	1375.4	1449.8	1642.7	1877.8	2231.4	2664.5	3380.1	4405.3	4804.5	4857.0
22.5°	1272.2	1289.1	1365.2	1581.8	1969.2	2503.8	3500.2	4829.9	5283.3	5455.8
25°	1192.7	1189.3	1209.6	1355.1	1778.0	2441.2	3618.6	5220.7	5814.5	6002.3
27.5°	1148.7	1114.9	1116.5	1253.6	1642.7	2339.7	3770.9	5669.0	6416.8	6499.6
30°	1126.7	1119.9	1099.6	1155.5	1495.5	2187.4	3796.3	6110.5	6772.0	6892.1
32.5°	1113.2	1047.2	1021.8	1042.1	1356.8	2021.6	3891.0	6401.5	7211.9	7159.4
35°	1045.5	986.3	969.4	989.7	1258.7	1928.6	3828.4	6655.3	7541.8	7629.7
37.5°	1020.1	967.7	933.8	916.9	1167.3	1850.8	3796.3	7046.1	7861.5	8073.0
40°	996.4	940.6	900.0	883.1	1096.2	1747.6	3786.1	7347.2	8230.3	8357.2
42.5°	969.4	933.8	888.2	857.7	1010.0	1644.4	3669.4	7440.3	8343.6	8480.7
44°	960.9	906.8	859.4	849.3	976.1	1591.9	3645.7	7524.8	8441.8	8649.8
45°	952.4	901.7	847.6	834.0	964.3	1563.2	3613.5	7545.1	8604.2	8643.1
47.5°	928.8	896.6	844.2	807.0	938.9	1500.6	3517.1	7430.1	8438.4	8445.1
50°	910.2	872.9	818.8	746.1	905.1	1448.1	3561.1	7387.8	8039.1	8054.4
52.5°	889.9	834.0	803.6	678.4	849.3	1404.1	3654.1	7579.0	8084.8	8081.4
55°	866.2	805.3	730.8	620.9	756.2	1348.3	3879.1	7956.2	8507.7	8565.3
57.5°	829.0	776.5	669.9	570.1	649.6	1241.7	3806.4	7233.9	7827.7	7837.8
60°	779.9	730.8	607.3	531.2	532.9	979.5	3403.8	5636.9	6176.5	6323.7
62.5°	732.5	705.5	554.9	475.4	453.4	779.9	2877.6	4684.4	5301.9	5423.7
65°	676.7	610.7	509.2	433.1	389.1	546.4	2038.5	3500.2	4136.3	4300.4
67.5°	605.6	534.6	448.3	380.6	333.3	365.4	1052.3	1989.5	2634.0	2730.5
70°	529.5	463.5	377.3	321.4	269.0	252.1	463.5	949.1	1439.7	1539.5
72.5°	434.8	373.9	301.1	253.8	201.3	174.2	155.6	253.8	510.9	593.8
75°	314.7	272.4	226.7	181.0	142.1	111.7	91.4	76.1	84.6	91.4
77.5°	231.8	197.9	167.5	128.6	99.8	79.5	62.6	47.4	45.7	44.0
80°	181.0	160.7	133.6	103.2	77.8	59.2	44.0	32.1	28.8	28.8
82.5°	142.1	132.0	110.0	84.6	64.3	47.4	32.1	22.0	18.6	18.6
85°	54.1	54.1	79.5	69.4	49.1	33.8	22.0	11.8	10.2	10.2
87.5°	13.5	13.5	13.5	13.5	11.8	10.2	10.2	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)