

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: P528782

Luminaire Tested: **GALN-SA3D-827-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528782
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-SA3D-827-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 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: 12643 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

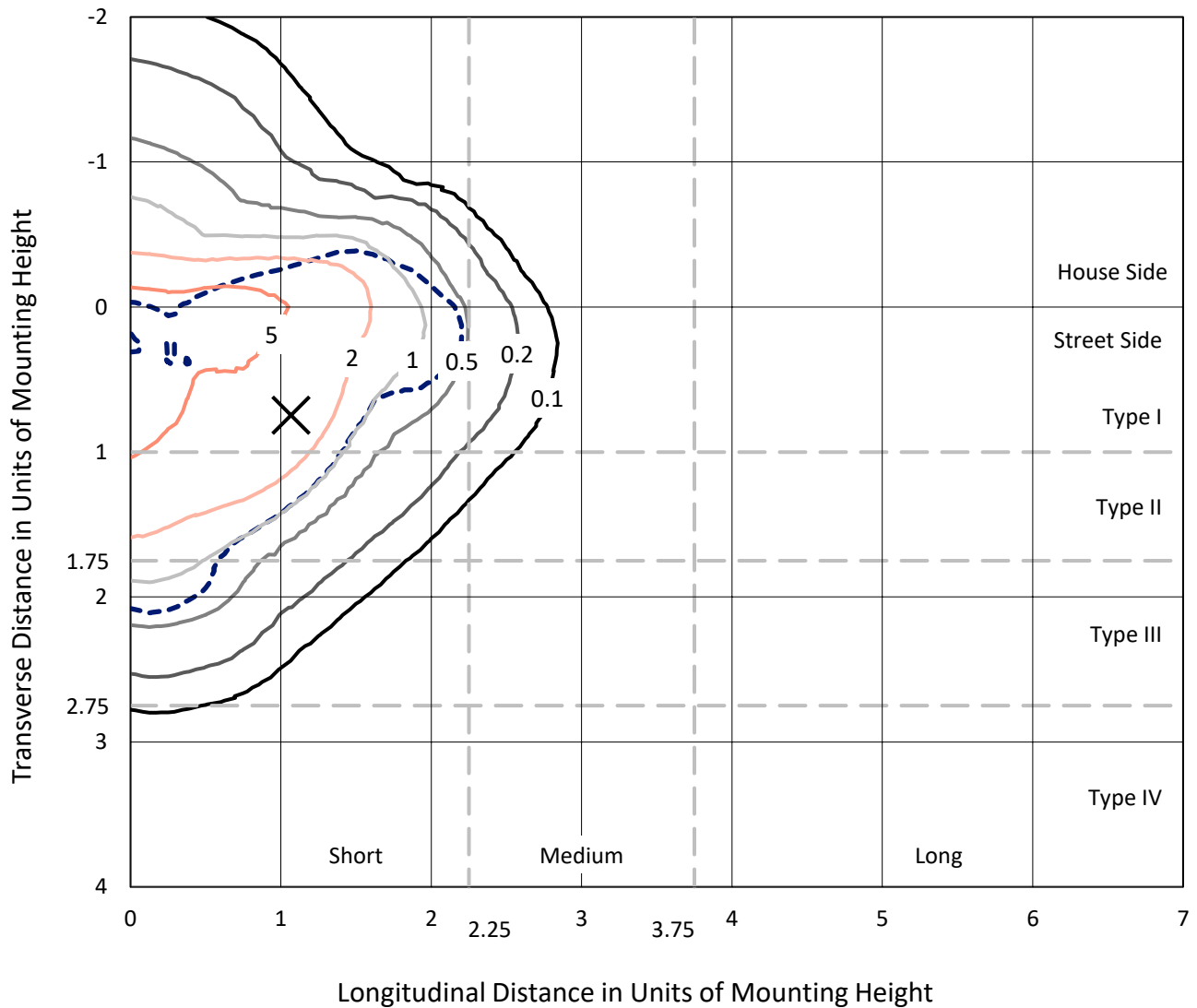
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

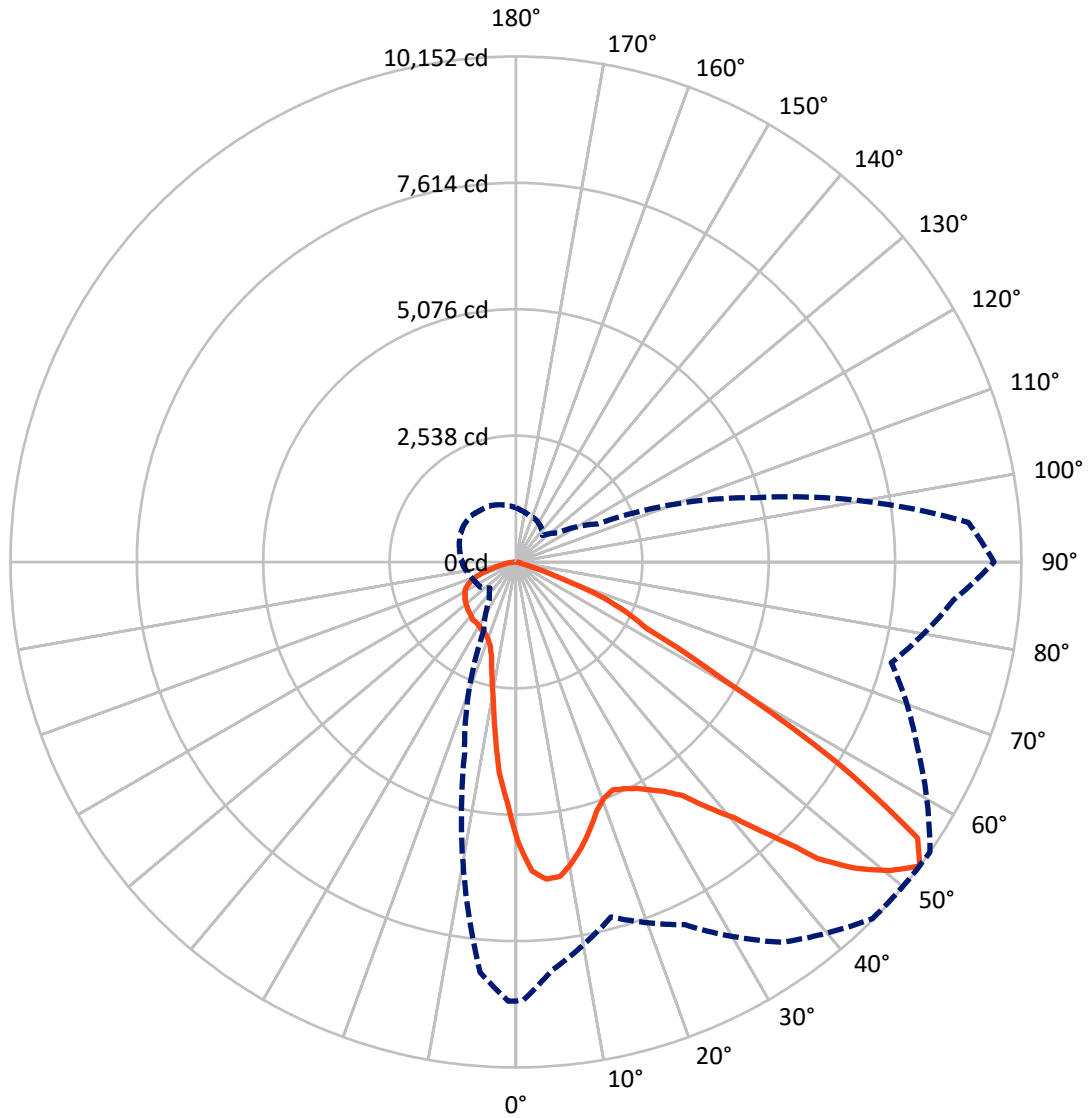
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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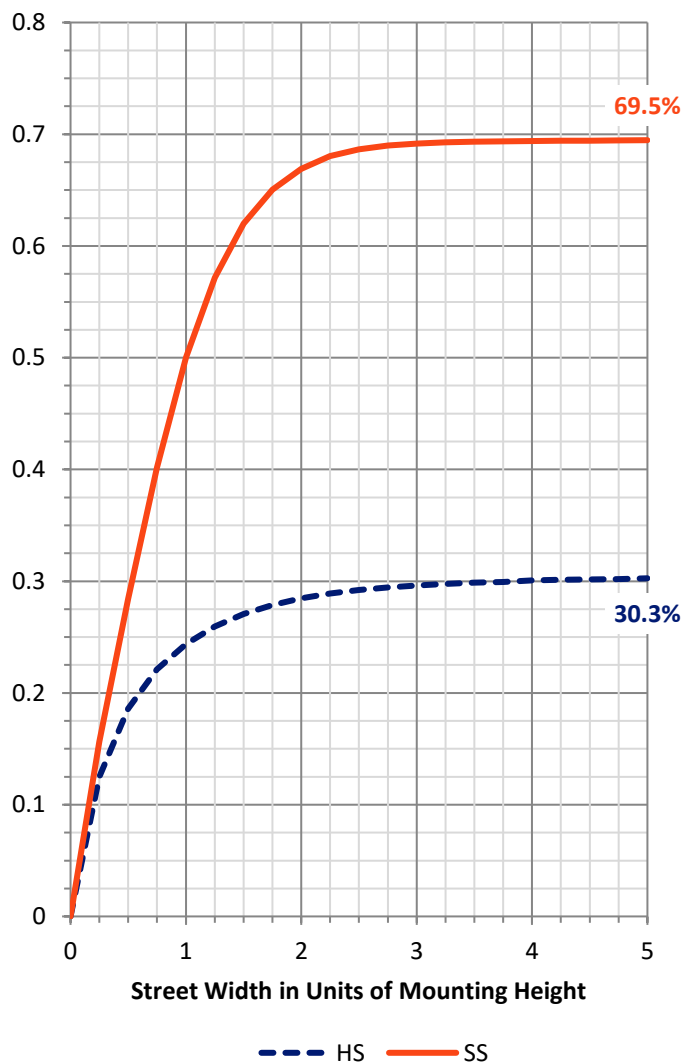
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3856.8	0.0	3856.8
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	8786.2	0.0	8786.2
	% Fixture	69.5	0.0	69.5
Total	Lumens	12643.0	0.0	12643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.9	3.4
10°-20°	929.0	7.3
20°-30°	1408.7	11.1
30°-40°	2035.3	16.1
40°-50°	2719.7	21.5
50°-60°	3035.8	24.0
60°-70°	1665.3	13.2
70°-80°	360.0	2.8
80°-90°	58.2	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°	12643.0	100.0
0°-180°	12643.0	100.0

Coefficient of Utilization



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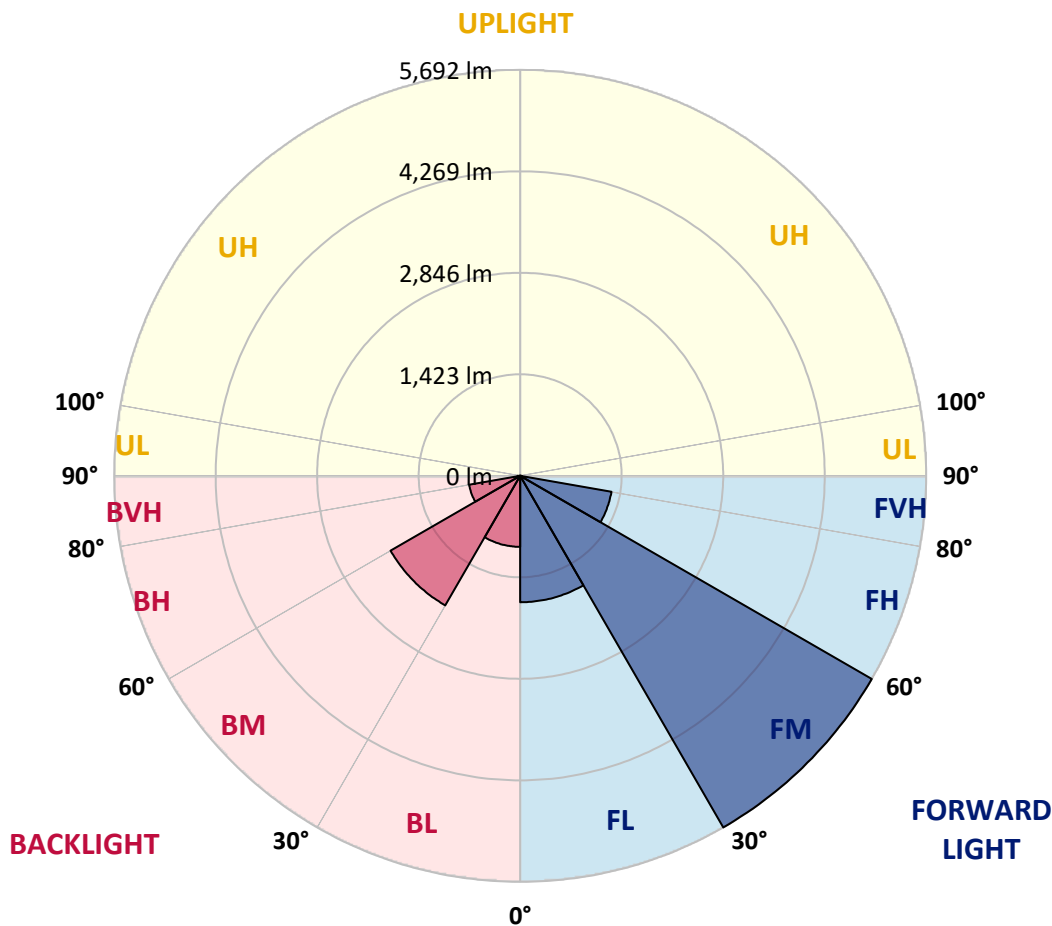
CATALOG NUMBER: GALN-SA3D-827-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1772.8	14.0			
FM (30°-60°)	5692.5	45.0			
FH (60°-80°)	1299.4	10.3			G1/1800
FVH (80°-90°)	21.6	0.2			G1/100
BL (0°-30°)	995.8	7.9	B2/1000		
BM (30°-60°)	2098.4	16.6	B2/2500		
BH (60°-80°)	725.9	5.7	B2/1000		G2/1000
BVH (80°-90°)	36.7	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°	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8
2.5°	5918.5	5885.3	5914.8	6055.1	6136.3	6191.7	6226.8	6221.3	6088.4	5959.1	5959.1
5°	5745.0	5702.5	5763.4	6081.0	6400.3	6428.0	6474.2	6398.5	6202.8	5966.5	5671.1
7.5°	5242.9	5274.2	5375.8	5793.0	6208.3	6417.0	6472.3	6376.3	6058.8	5617.6	5183.8
10°	4809.0	4882.9	5117.3	5567.8	5949.9	6221.3	6282.2	6147.4	5896.4	5355.5	4967.8
12.5°	4659.5	4613.3	4873.6	5324.1	5689.6	5835.4	5863.1	5872.4	5702.5	5222.5	4749.9
15°	4641.0	4670.6	4873.6	5215.2	5440.4	5447.8	5493.9	5565.9	5588.1	5313.0	4851.5
17.5°	4906.9	4871.8	5080.4	5351.8	5244.7	5137.6	5148.7	5252.1	5434.8	5390.5	5170.9
20°	5300.1	5379.5	5543.8	5516.1	5228.1	4956.7	4958.6	5056.4	5416.4	5711.8	5615.8
22.5°	5953.6	6031.1	6153.0	5818.8	5228.1	4903.2	4840.4	4973.3	5534.5	6093.9	6117.9
25°	6549.9	6692.0	6725.2	6332.0	5490.2	4953.0	4912.4	5043.5	5652.7	6466.8	6693.9
27.5°	7092.6	7144.3	7290.1	6662.5	5636.1	4986.2	4982.6	5150.5	5802.2	6653.3	7208.9
30°	7520.9	7515.4	7598.4	6871.1	5868.7	5172.7	4993.6	5311.2	5997.9	6961.5	7685.2
32.5°	7812.6	7875.4	8050.7	7160.9	5966.5	5349.9	5209.6	5499.5	6236.0	7107.4	8021.2
35°	8325.8	8434.7	8213.2	7321.5	6276.7	5525.3	5361.0	5756.1	6354.2	7266.1	8432.9
37.5°	8809.5	8726.4	8501.2	7408.3	6477.9	5850.2	5697.0	6252.7	6721.6	7611.4	8706.1
40°	9119.6	9117.8	8717.2	7478.4	6620.0	6346.8	6337.6	6756.6	7172.0	7829.2	9012.5
42.5°	9254.4	9383.6	8805.8	7471.1	6919.1	6948.6	7135.1	7509.8	7491.4	7873.5	9005.1
44°	9439.0	9516.5	8959.0	7487.7	7118.5	7354.8	7794.1	8032.3	7770.1	7849.5	8995.9
45°	9431.6	9437.1	8741.2	7509.8	7288.3	7694.4	8087.7	8490.1	8015.7	7797.8	9117.8
47.5°	9215.6	9152.8	8556.6	7345.5	7818.1	8591.6	8955.3	9199.0	8318.4	7687.1	8966.4
50°	8789.2	8717.2	8108.0	7275.4	7928.9	9149.1	9651.3	9739.9	8593.5	7578.1	8816.8
52.5°	8818.7	8798.4	8235.3	7380.6	8039.7	9324.5	10129.4	10151.6	8905.5	7807.0	8818.7
55°	9346.7	9276.5	8600.9	7511.7	7958.4	9119.6	9824.8	9786.0	8800.2	7668.6	8981.1
57.5°	8552.9	8599.0	8095.0	6992.9	6965.2	7413.8	7724.0	7628.0	7343.7	6920.9	8355.3
60°	6900.6	7031.7	7079.7	5848.4	5255.8	5025.0	4932.7	4762.9	4810.9	5685.9	7340.0
62.5°	5918.5	5911.1	6212.0	5301.9	3442.9	2961.1	2916.8	2955.6	3509.4	5597.3	7188.6
65°	4692.7	4818.3	4910.6	4493.3	2724.8	2198.7	2196.8	2442.4	3036.8	4678.0	5804.1
67.5°	2979.6	3143.9	3258.3	2874.3	1822.1	1565.5	1523.0	1818.4	2104.5	3068.2	3494.6
70°	1679.9	1757.5	1809.2	1657.8	1159.3	812.3	764.3	834.4	1271.9	1986.4	2071.3
72.5°	648.0	683.0	753.2	758.7	437.5	262.1	212.3	254.8	535.4	786.4	749.5
75°	99.7	107.1	151.4	180.9	125.5	96.0	101.5	105.2	149.5	203.1	169.8
77.5°	48.0	48.0	46.2	53.5	62.8	68.3	73.8	81.2	88.6	97.8	94.1
80°	31.4	31.4	31.4	36.9	46.2	55.4	62.8	66.5	70.2	77.5	73.8
82.5°	20.3	20.3	20.3	27.7	36.9	46.2	49.8	59.1	66.5	77.5	72.0
85°	11.1	11.1	11.1	18.5	27.7	38.8	36.9	29.5	16.6	1.8	3.7
87.5°	3.7	3.7	3.7	3.7	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°	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8
2.5°	5804.1	5719.1	5711.8	5538.2	5383.2	5307.5	5246.5	5076.7	5113.6	5015.8	5013.9
5°	5523.5	5349.9	5069.3	4838.6	4607.8	4561.6	4360.4	4185.0	4190.6	4065.1	4087.2
7.5°	5019.5	4899.5	4558.0	4196.1	3889.7	3671.8	3481.7	3367.2	3221.4	3171.6	3145.7
10°	4700.1	4552.4	4168.4	3714.3	3370.9	3254.6	3071.9	2970.3	2820.8	2747.0	2695.3
12.5°	4559.8	4343.8	3863.8	3402.3	3173.4	3053.4	2898.3	2713.7	2536.5	2468.2	2374.1
15°	4574.6	4316.1	3775.2	3276.8	3001.7	2769.1	2630.7	2425.7	2244.8	2124.8	2056.5
17.5°	4797.9	4484.1	3815.8	3180.8	2785.7	2494.0	2222.7	2001.1	1857.2	1766.7	1744.5
20°	5325.9	4899.5	3884.1	3025.7	2569.7	2206.1	1871.9	1641.2	1530.4	1528.5	1530.4
22.5°	5765.3	5342.5	4022.6	2933.4	2353.7	1836.8	1504.6	1430.7	1408.6	1454.7	1460.2
25°	6357.9	5841.0	4260.7	2885.4	2154.4	1565.5	1360.6	1332.9	1331.0	1390.1	1391.9
27.5°	6965.2	6276.7	4402.9	2745.1	1951.3	1425.2	1273.8	1268.3	1297.8	1360.6	1355.0
30°	7378.8	6642.2	4659.5	2577.1	1711.3	1301.5	1238.7	1246.1	1286.7	1334.7	1342.1
32.5°	7860.6	7002.2	4725.9	2484.8	1563.6	1198.1	1153.8	1170.4	1222.1	1297.8	1338.4
35°	8412.6	7256.9	4827.5	2359.3	1508.2	1118.7	1096.6	1115.0	1177.8	1227.6	1271.9
37.5°	8820.5	7707.4	4845.9	2261.4	1447.3	1074.4	1039.3	1100.3	1137.2	1207.3	1229.5
40°	9123.3	8034.1	4893.9	2200.5	1399.3	1017.2	1017.2	1057.8	1107.6	1172.3	1216.6
42.5°	9317.1	8272.3	4929.0	2145.1	1307.0	1000.6	991.3	1032.0	1098.4	1161.2	1181.5
44°	9435.3	8373.8	4893.9	2093.4	1281.2	980.3	980.3	1015.3	1067.0	1140.9	1164.9
45°	9464.8	8501.2	4816.4	2091.6	1249.8	956.3	952.6	1019.0	1054.1	1144.6	1159.3
47.5°	9579.3	8658.1	4825.6	2032.5	1174.1	899.0	963.7	993.2	1024.6	1104.0	1153.8
50°	9575.6	8755.9	4805.3	1945.8	1118.7	834.4	941.5	974.7	1006.1	1087.3	1107.6
52.5°	9601.4	9121.5	4991.8	1807.3	1019.0	751.4	867.7	941.5	980.3	1048.6	1091.0
55°	9588.5	9330.1	5176.4	1703.9	878.7	701.5	804.9	891.7	947.0	1019.0	1039.3
57.5°	8757.8	8246.4	4790.6	1510.1	727.4	642.4	716.3	840.0	910.1	984.0	1009.8
60°	7155.4	6356.0	3950.6	1111.3	598.1	590.7	666.4	823.3	852.9	917.5	961.8
62.5°	6612.6	5575.1	3132.8	849.2	511.4	540.9	614.7	744.0	790.1	869.5	910.1
65°	5174.5	3703.2	1940.2	574.1	450.4	485.5	555.7	651.7	727.4	801.2	849.2
67.5°	3064.5	2023.3	960.0	402.4	393.2	430.1	502.1	574.1	660.9	742.1	766.1
70°	1668.9	995.0	409.8	306.4	334.1	367.4	437.5	487.4	570.4	633.2	673.8
72.5°	535.4	302.8	204.9	227.1	254.8	293.5	336.0	396.9	456.0	492.9	526.1
75°	129.2	127.4	145.8	158.8	184.6	214.1	249.2	280.6	326.8	361.8	391.4
77.5°	90.5	97.8	112.6	131.1	140.3	151.4	173.5	197.5	217.8	243.7	262.1
80°	70.2	75.7	86.8	96.0	105.2	114.5	125.5	134.8	147.7	164.3	173.5
82.5°	66.5	70.2	81.2	86.8	83.1	81.2	88.6	92.3	94.1	99.7	105.2
85°	5.5	0.0	3.7	12.9	31.4	46.2	49.8	49.8	48.0	51.7	51.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	7.4	5.5
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°	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8
2.5°	4991.8	4929.0	4953.0	4982.6	4940.1	4842.3	4868.1	4857.0	4956.7	4949.3	5049.0
5°	4185.0	4087.2	4098.3	4242.3	4196.1	4246.0	4146.3	4133.4	4151.8	4161.1	4177.7
7.5°	3202.9	3190.0	3300.8	3422.6	3479.8	3420.8	3322.9	3300.8	3280.5	3239.9	3332.2
10°	2614.0	2617.7	2610.3	2702.7	2767.3	2754.3	2695.3	2687.9	2649.1	2634.3	2686.0
12.5°	2333.4	2283.6	2259.6	2230.1	2279.9	2313.1	2287.3	2268.8	2270.7	2289.1	2296.5
15°	2062.1	2030.7	1979.0	1945.8	1969.8	1953.1	1943.9	1980.8	1971.6	1967.9	2012.2
17.5°	1757.5	1783.3	1779.6	1742.7	1774.1	1761.2	1759.3	1733.5	1698.4	1672.5	1687.3
20°	1556.2	1604.2	1641.2	1643.0	1659.6	1657.8	1630.1	1550.7	1524.9	1519.3	1523.0
22.5°	1484.2	1510.1	1554.4	1617.2	1617.2	1587.6	1554.4	1462.1	1438.1	1412.2	1401.2
25°	1427.0	1476.9	1534.1	1541.5	1571.0	1543.3	1489.8	1443.6	1393.8	1358.7	1358.7
27.5°	1397.5	1452.9	1495.3	1508.2	1548.9	1526.7	1471.3	1412.2	1353.2	1351.3	1319.9
30°	1384.6	1436.2	1463.9	1495.3	1513.8	1478.7	1462.1	1399.3	1340.2	1325.5	1273.8
32.5°	1345.8	1419.6	1471.3	1463.9	1478.7	1463.9	1439.9	1388.2	1321.8	1288.6	1283.0
35°	1301.5	1375.3	1430.7	1469.5	1478.7	1447.3	1432.6	1362.4	1271.9	1255.3	1198.1
37.5°	1277.5	1321.8	1390.1	1452.9	1465.8	1449.2	1399.3	1327.3	1236.9	1218.4	1168.6
40°	1247.9	1305.2	1358.7	1410.4	1449.2	1408.6	1351.3	1281.2	1240.6	1185.2	1170.4
42.5°	1225.8	1290.4	1334.7	1391.9	1436.2	1382.7	1316.3	1268.3	1211.0	1174.1	1131.6
44°	1218.4	1277.5	1307.0	1377.2	1414.1	1373.5	1318.1	1268.3	1201.8	1168.6	1131.6
45°	1192.6	1273.8	1305.2	1367.9	1399.3	1366.1	1295.9	1246.1	1198.1	1157.5	1118.7
47.5°	1166.7	1222.1	1275.6	1325.5	1347.6	1336.6	1277.5	1216.6	1159.3	1135.3	1098.4
50°	1159.3	1214.7	1264.6	1310.7	1336.6	1314.4	1260.9	1201.8	1135.3	1096.6	1065.2
52.5°	1122.4	1190.7	1246.1	1260.9	1294.1	1281.2	1240.6	1175.9	1113.2	1080.0	1054.1
55°	1068.9	1140.9	1216.6	1235.0	1283.0	1262.7	1201.8	1140.9	1087.3	1037.5	1004.3
57.5°	1048.6	1118.7	1192.6	1216.6	1246.1	1212.9	1198.1	1133.5	1048.6	1022.7	971.0
60°	996.9	1085.5	1146.4	1201.8	1203.6	1194.4	1168.6	1094.7	1024.6	976.6	939.7
62.5°	956.3	1039.3	1087.3	1139.0	1170.4	1144.6	1118.7	1050.4	974.7	921.2	878.7
65°	897.2	972.9	1013.5	1044.9	1080.0	1076.3	1032.0	982.1	902.7	860.3	819.7
67.5°	806.7	873.2	928.6	958.1	980.3	974.7	941.5	906.4	825.2	782.7	753.2
70°	697.8	766.1	801.2	817.8	840.0	851.0	825.2	808.6	736.6	681.2	653.5
72.5°	561.2	605.5	657.2	672.0	681.2	688.6	688.6	673.8	600.0	577.8	529.8
75°	413.5	448.6	487.4	487.4	504.0	505.8	509.5	500.3	444.9	415.4	404.3
77.5°	280.6	306.4	337.8	350.8	361.8	360.0	358.1	332.3	302.8	289.8	278.8
80°	182.8	208.6	223.4	240.0	251.1	249.2	252.9	234.5	221.5	199.4	203.1
82.5°	108.9	129.2	144.0	164.3	164.3	169.8	169.8	164.3	151.4	140.3	140.3
85°	51.7	68.3	77.5	90.5	97.8	99.7	88.6	75.7	62.8	57.2	62.8
87.5°	9.2	12.9	18.5	16.6	20.3	18.5	18.5	18.5	18.5	14.8	16.6
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: P528782

CATALOG NUMBER: GALN-SA3D-827-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8	5639.8
2.5°	5012.1	5104.4	5169.0	5276.1	5460.7	5608.4	5759.8	5872.4	5885.3	5918.5
5°	4238.6	4288.4	4452.7	4666.9	4818.3	5067.5	5228.1	5519.8	5628.7	5745.0
7.5°	3310.0	3391.2	3610.9	3754.9	4087.2	4399.2	4722.3	5082.2	5226.2	5242.9
10°	2791.3	2909.4	3058.9	3289.7	3470.6	3817.7	4220.1	4620.7	4781.3	4809.0
12.5°	2451.6	2603.0	2802.3	2968.5	3142.0	3444.8	3830.6	4325.4	4534.0	4659.5
15°	2124.8	2281.7	2501.4	2732.2	2885.4	3247.2	3701.4	4258.9	4530.3	4641.0
17.5°	1788.8	1934.7	2115.6	2364.8	2673.1	3079.3	3681.1	4480.4	4777.6	4906.9
20°	1500.9	1582.1	1792.5	2049.1	2435.0	2907.6	3688.5	4807.2	5242.9	5300.1
22.5°	1388.2	1406.7	1489.8	1726.1	2148.8	2732.2	3819.5	5270.5	5765.3	5953.6
25°	1301.5	1297.8	1319.9	1478.7	1940.2	2663.9	3948.8	5697.0	6345.0	6549.9
27.5°	1253.5	1216.6	1218.4	1367.9	1792.5	2553.1	4114.9	6186.2	7002.2	7092.6
30°	1229.5	1222.1	1199.9	1260.9	1631.9	2387.0	4142.6	6668.0	7389.8	7520.9
32.5°	1214.7	1142.7	1115.0	1137.2	1480.6	2206.1	4246.0	6985.5	7869.8	7812.6
35°	1140.9	1076.3	1057.8	1080.0	1373.5	2104.5	4177.7	7262.5	8229.8	8325.8
37.5°	1113.2	1056.0	1019.0	1000.6	1273.8	2019.6	4142.6	7688.9	8578.7	8809.5
40°	1087.3	1026.4	982.1	963.7	1196.3	1907.0	4131.5	8017.5	8981.1	9119.6
42.5°	1057.8	1019.0	969.2	936.0	1102.1	1794.4	4004.1	8119.0	9104.8	9254.4
44°	1048.6	989.5	937.8	926.7	1065.2	1737.2	3978.3	8211.3	9211.9	9439.0
45°	1039.3	984.0	924.9	910.1	1052.3	1705.8	3943.2	8233.5	9389.1	9431.6
47.5°	1013.5	978.4	921.2	880.6	1024.6	1637.5	3838.0	8108.0	9208.2	9215.6
50°	993.2	952.6	893.5	814.1	987.6	1580.2	3886.0	8061.8	8772.5	8789.2
52.5°	971.0	910.1	876.9	740.3	926.7	1532.2	3987.5	8270.4	8822.4	8818.7
55°	945.2	878.7	797.5	677.5	825.2	1471.3	4233.0	8682.1	9283.9	9346.7
57.5°	904.6	847.3	731.0	622.1	708.9	1355.0	4153.7	7893.8	8541.8	8552.9
60°	851.0	797.5	662.7	579.7	581.5	1068.9	3714.3	6151.1	6740.0	6900.6
62.5°	799.4	769.8	605.5	518.7	494.7	851.0	3140.2	5111.8	5785.6	5918.5
65°	738.4	666.4	555.7	472.6	424.6	596.3	2224.5	3819.5	4513.7	4692.7
67.5°	660.9	583.4	489.2	415.4	363.7	398.8	1148.3	2171.0	2874.3	2979.6
70°	577.8	505.8	411.7	350.8	293.5	275.1	505.8	1035.6	1571.0	1679.9
72.5°	474.4	408.0	328.6	276.9	219.7	190.1	169.8	276.9	557.5	648.0
75°	343.4	297.2	247.4	197.5	155.1	121.8	99.7	83.1	92.3	99.7
77.5°	252.9	216.0	182.8	140.3	108.9	86.8	68.3	51.7	49.8	48.0
80°	197.5	175.4	145.8	112.6	84.9	64.6	48.0	35.1	31.4	31.4
82.5°	155.1	144.0	120.0	92.3	70.2	51.7	35.1	24.0	20.3	20.3
85°	59.1	59.1	86.8	75.7	53.5	36.9	24.0	12.9	11.1	11.1
87.5°	14.8	14.8	14.8	14.8	12.9	11.1	11.1	5.5	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)