

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: P528628

Luminaire Tested: **GALN-SA3D-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528628
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-SA3D-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1200mA 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: 14384 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

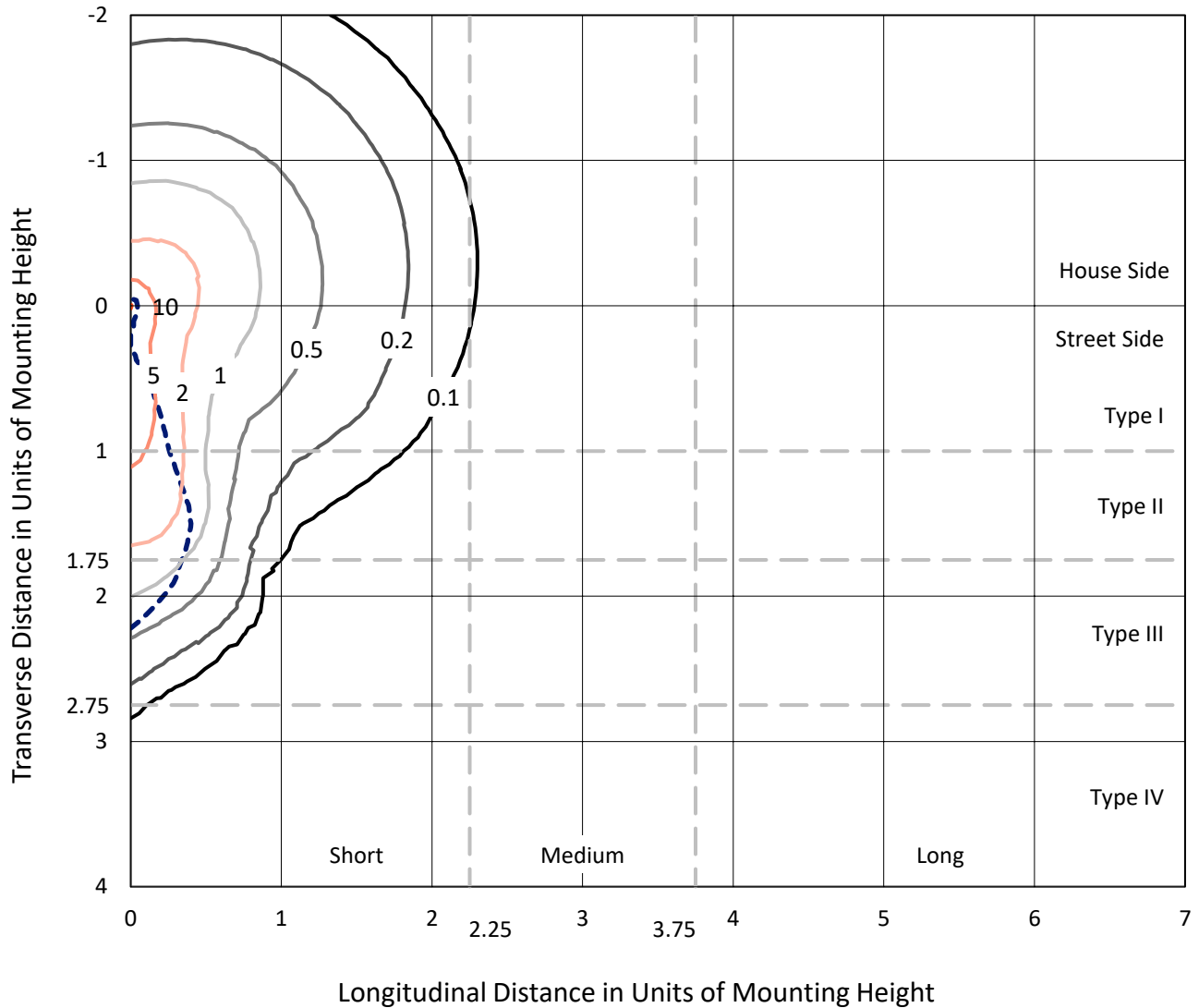
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528628
 CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

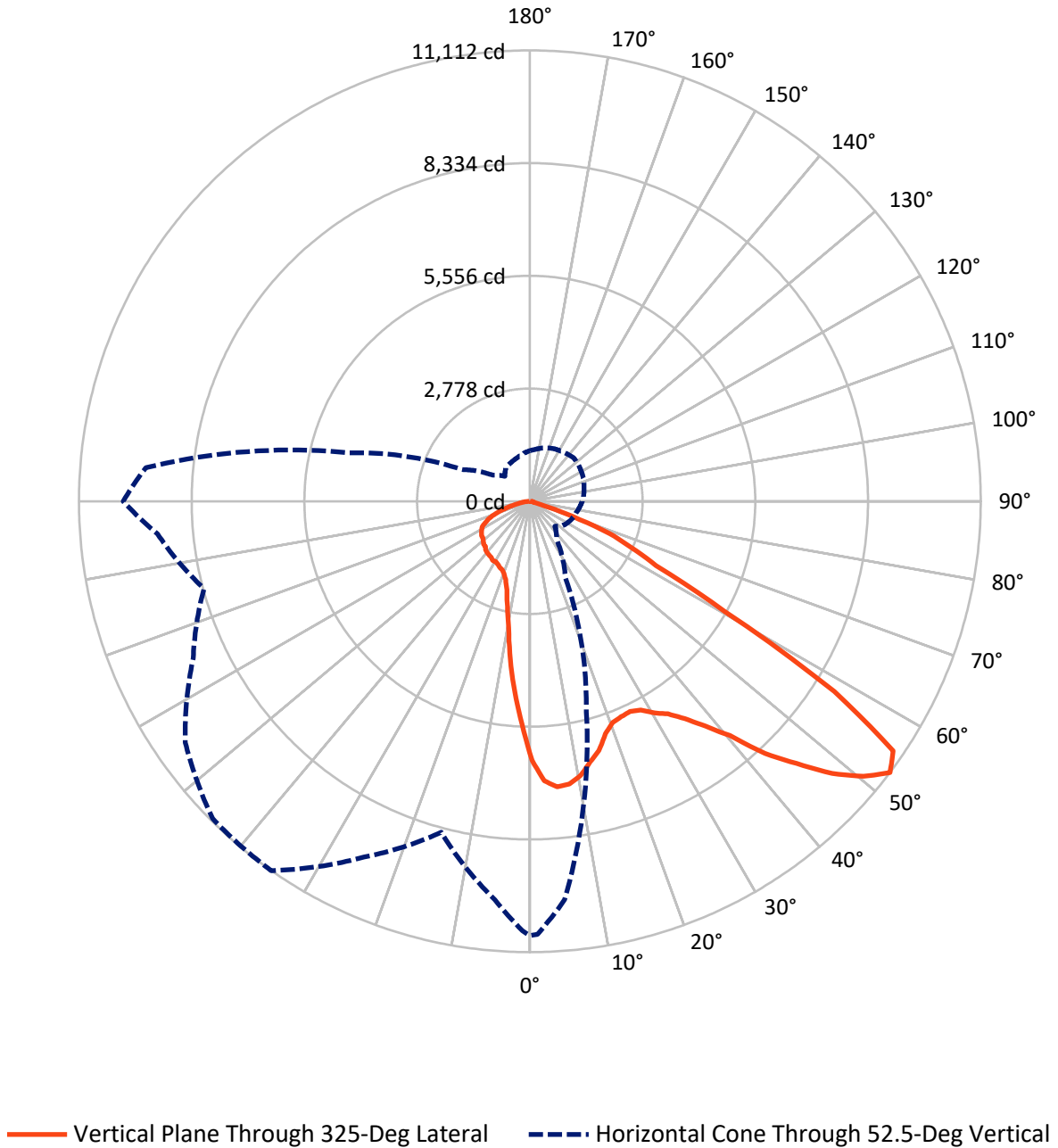
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - N/A

REPORT NUMBER: P528628
CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P528628
 CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

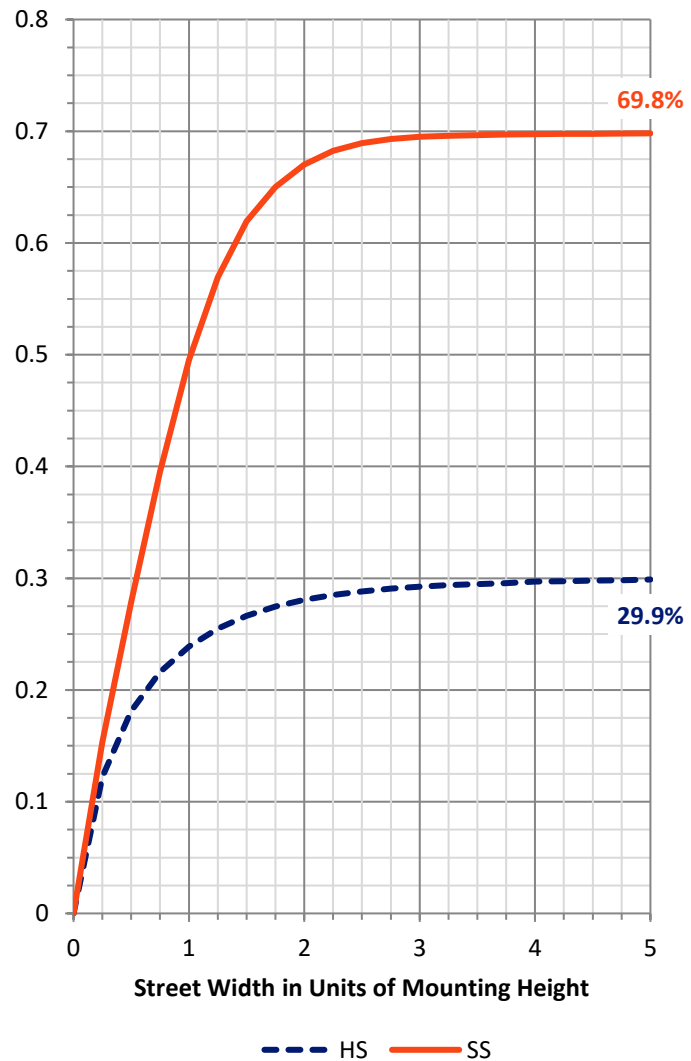
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4336.2	0.0	4336.2
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	10047.8	0.0	10047.8
	% Fixture	69.9	0.0	69.9
Total	Lumens	14384.0	0.0	14384.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.0	3.4
10°-20°	1055.8	7.3
20°-30°	1595.2	11.1
30°-40°	2305.1	16.0
40°-50°	3067.7	21.3
50°-60°	3431.3	23.9
60°-70°	1933.9	13.4
70°-80°	431.1	3.0
80°-90°	76.8	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°	14384.0	100.0
0°-180°	14384.0	100.0



REPORT NUMBER: P528628

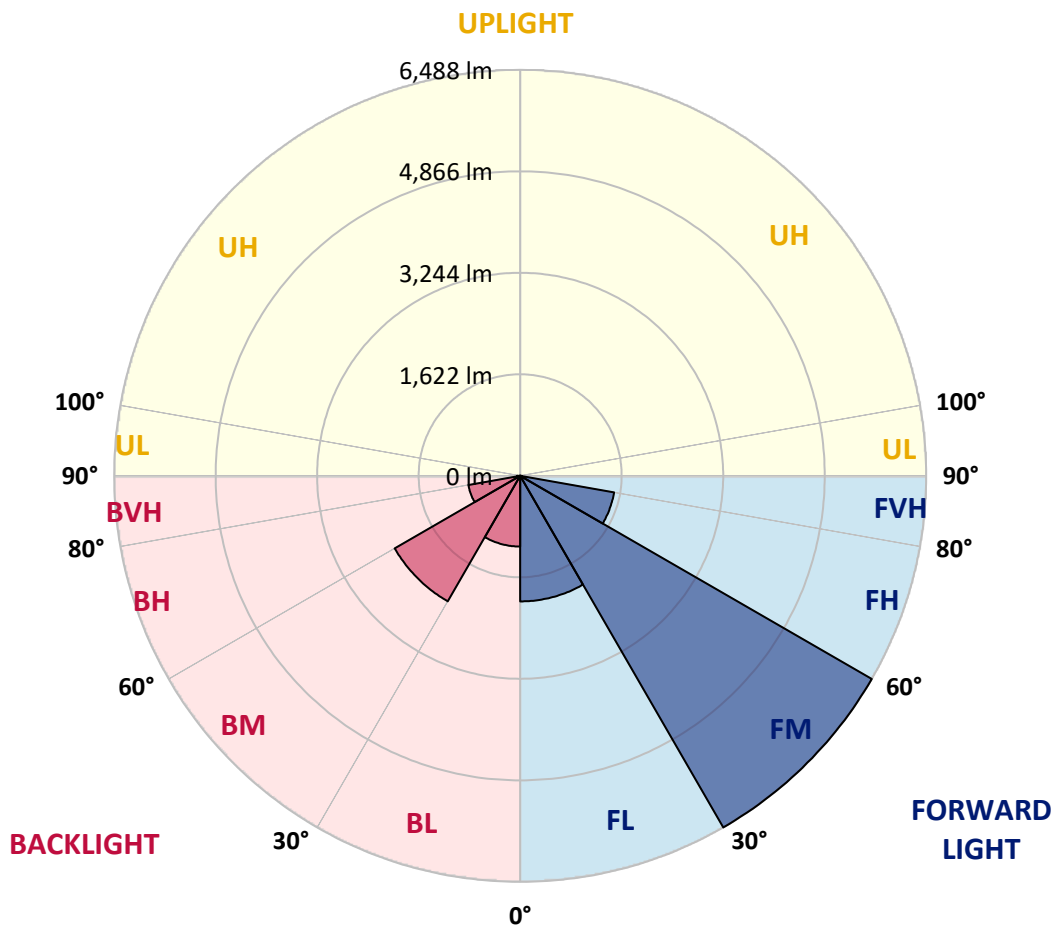
CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2007.3	14.0			
FM (30°-60°)	6488.3	45.1			
FH (60°-80°)	1524.5	10.6			G1/1800
FVH (80°-90°)	27.8	0.2			G1/100
BL (0°-30°)	1130.8	7.9	B3/2500		
BM (30°-60°)	2315.9	16.1	B2/2500		
BH (60°-80°)	840.5	5.8	B2/1000		G2/1000
BVH (80°-90°)	49.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





REPORT NUMBER: P528628

CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7
2.5°	6490.0	6594.3	6481.7	6281.6	6139.8	6010.5	5875.0	5847.9	5670.7	5639.4	5510.2
5°	6121.0	6098.1	5960.5	5697.8	5408.0	5145.3	4951.4	4763.8	4636.6	4488.6	4478.2
7.5°	5672.8	5539.4	5460.1	5061.9	4703.3	4290.6	4113.3	3827.7	3738.1	3604.6	3535.8
10°	5272.5	5174.5	4989.0	4590.8	4090.4	3817.3	3627.6	3473.3	3369.1	3231.5	3058.4
12.5°	5074.4	5034.8	4826.3	4209.2	3838.1	3546.3	3412.8	3262.7	3085.5	2864.5	2779.1
15°	5109.9	4976.5	4818.0	4136.3	3623.4	3342.0	3129.3	2941.7	2714.4	2503.9	2380.9
17.5°	5374.7	5272.5	4955.6	4182.1	3542.1	3135.6	2749.9	2472.6	2268.3	2078.6	1993.1
20°	5895.9	5747.8	5391.3	4240.5	3367.0	2847.9	2405.9	2064.0	1845.1	1745.0	1715.8
22.5°	6473.4	6385.8	5816.6	4371.9	3227.3	2581.0	2041.0	1699.1	1617.8	1590.7	1644.9
25°	7175.9	6948.7	6477.5	4586.6	3118.9	2353.8	1732.5	1542.8	1501.1	1528.2	1590.7
27.5°	7709.7	7649.2	6940.4	4788.8	2970.9	2080.6	1559.4	1434.4	1446.9	1474.0	1532.3
30°	8343.4	8037.0	7388.6	4928.5	2837.4	1893.0	1438.5	1405.2	1417.7	1463.5	1492.7
32.5°	8725.0	8610.3	7670.0	5139.1	2683.2	1730.4	1344.7	1313.4	1332.2	1401.0	1469.8
35°	9210.7	8983.5	8018.2	5193.3	2574.7	1665.8	1278.0	1255.1	1298.8	1346.8	1423.9
37.5°	9777.8	9621.4	8499.8	5155.8	2516.4	1599.1	1221.7	1211.3	1242.6	1309.3	1398.9
40°	10113.4	10065.5	8752.1	5178.7	2424.6	1540.7	1157.1	1169.6	1234.2	1286.3	1373.9
42.5°	10436.6	10123.9	9125.2	5170.3	2366.3	1461.5	1163.3	1148.7	1198.8	1259.2	1342.6
45°	10507.5	10196.8	9212.8	5112.0	2295.4	1384.3	1115.4	1121.6	1182.1	1257.1	1311.3
47.5°	10461.6	10232.3	9375.4	5095.3	2228.7	1330.1	1044.5	1119.5	1155.0	1215.4	1292.6
50°	10430.3	10417.8	9513.0	5174.5	2139.0	1244.6	959.0	1092.4	1127.9	1188.3	1271.7
52.5°	10705.5	10678.4	9857.0	5383.0	2068.1	1152.9	871.5	1023.6	1109.1	1167.5	1248.8
55°	10872.3	10753.5	10447.0	5639.4	1949.3	1032.0	811.0	938.2	1063.3	1115.4	1198.8
57.5°	9779.9	9698.6	9450.5	5264.2	1749.2	873.5	735.9	850.6	1000.7	1082.0	1167.5
60°	8137.0	8009.9	7374.0	4474.0	1290.5	679.7	690.1	781.8	984.0	1015.3	1115.4
62.5°	7672.1	7357.3	6492.1	3600.5	990.3	583.7	619.2	719.3	896.5	948.6	1048.7
65°	6087.7	5854.2	4645.0	2599.8	663.0	506.6	565.0	648.4	773.5	875.6	967.4
67.5°	3811.0	3588.0	2478.8	1230.0	462.8	433.6	504.5	592.1	694.2	786.0	888.1
70°	1991.0	1747.1	1144.6	444.1	319.0	354.4	421.1	504.5	604.6	679.7	758.9
72.5°	742.2	602.5	373.2	191.8	221.0	271.0	341.9	402.4	473.3	565.0	608.8
75°	114.7	98.0	95.9	116.7	150.1	196.0	243.9	304.4	366.9	425.3	454.5
77.5°	54.2	52.1	58.4	77.1	100.1	139.7	177.2	235.6	285.6	323.1	339.8
80°	35.4	33.4	37.5	52.1	75.1	104.2	141.8	181.4	227.2	258.5	254.3
82.5°	20.8	22.9	22.9	35.4	52.1	75.1	102.2	137.6	168.9	196.0	179.3
85°	12.5	10.4	10.4	20.8	35.4	60.5	85.5	58.4	60.5	60.5	68.8
87.5°	4.2	4.2	4.2	2.1	4.2	4.2	6.3	10.4	12.5	14.6	18.8
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: P528628

CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7
2.5°	5506.0	5570.6	5547.7	5466.4	5528.9	5539.4	5497.7	5641.5	5668.6	5624.8	5637.3
5°	4463.6	4480.3	4517.8	4597.0	4653.3	4720.0	4720.0	4724.2	4667.9	4809.7	4768.0
7.5°	3477.5	3487.9	3531.7	3700.5	3748.5	3875.7	3929.9	3892.4	3779.8	3731.8	3771.4
10°	3002.1	2941.7	2927.1	2947.9	3056.3	3110.5	3156.4	3143.9	3125.1	3087.6	3045.9
12.5°	2685.2	2641.5	2606.0	2556.0	2562.2	2614.4	2649.8	2620.6	2629.0	2637.3	2649.8
15°	2341.2	2310.0	2291.2	2216.2	2207.8	2243.3	2255.8	2272.4	2303.7	2305.8	2291.2
17.5°	1976.4	1949.3	1991.0	2032.7	2003.5	2005.6	2028.5	2043.1	2034.8	1997.3	1978.5
20°	1726.2	1755.4	1797.1	1836.7	1868.0	1886.8	1895.1	1872.2	1845.1	1767.9	1765.8
22.5°	1653.3	1690.8	1726.2	1786.7	1815.9	1863.8	1820.0	1767.9	1730.4	1692.9	1649.1
25°	1599.1	1630.3	1701.2	1724.1	1780.4	1820.0	1788.8	1736.7	1672.0	1617.8	1584.5
27.5°	1559.4	1594.9	1640.8	1703.3	1747.1	1770.0	1738.7	1717.9	1651.2	1586.5	1538.6
30°	1534.4	1572.0	1655.3	1707.5	1745.0	1763.8	1709.5	1684.5	1636.6	1582.4	1540.7
32.5°	1517.7	1551.1	1622.0	1688.7	1713.7	1713.7	1722.1	1692.9	1626.2	1534.4	1499.0
35°	1463.5	1509.4	1567.8	1644.9	1690.8	1717.9	1676.2	1642.8	1599.1	1505.2	1440.6
37.5°	1432.3	1463.5	1538.6	1611.6	1651.2	1680.4	1663.7	1605.3	1546.9	1469.8	1417.7
40°	1398.9	1448.9	1515.7	1584.5	1628.2	1657.4	1644.9	1576.1	1505.2	1432.3	1396.8
42.5°	1376.0	1409.3	1478.1	1555.3	1607.4	1663.7	1626.2	1540.7	1490.6	1390.6	1351.0
45°	1357.2	1411.4	1484.4	1515.7	1569.9	1628.2	1561.5	1509.4	1451.0	1378.1	1344.7
47.5°	1334.3	1384.3	1432.3	1515.7	1540.7	1567.8	1555.3	1471.9	1421.8	1342.6	1319.7
50°	1325.9	1344.7	1432.3	1478.1	1513.6	1540.7	1507.3	1444.8	1396.8	1315.5	1265.5
52.5°	1292.6	1328.0	1384.3	1444.8	1488.6	1521.9	1467.7	1428.1	1363.5	1278.0	1246.7
55°	1250.9	1271.7	1371.8	1434.4	1457.3	1480.2	1459.4	1394.7	1328.0	1240.5	1209.2
57.5°	1196.7	1244.6	1325.9	1413.5	1442.7	1455.2	1421.8	1369.7	1286.3	1209.2	1159.2
60°	1140.4	1190.4	1280.1	1351.0	1380.1	1426.0	1376.0	1344.7	1248.8	1163.3	1109.1
62.5°	1084.1	1140.4	1207.1	1296.8	1321.8	1340.5	1328.0	1284.2	1207.1	1111.2	1044.5
65°	1017.4	1059.1	1142.5	1188.3	1205.0	1248.8	1205.0	1188.3	1119.5	1027.8	971.5
67.5°	917.3	952.8	1025.7	1069.5	1082.0	1100.8	1098.7	1079.9	1002.8	940.3	890.2
70°	802.7	833.9	879.8	931.9	938.2	961.1	940.3	936.1	886.0	800.6	773.5
72.5°	644.2	673.4	733.9	756.8	758.9	767.2	756.8	742.2	729.7	640.0	612.9
75°	494.1	510.8	540.0	560.8	560.8	571.2	565.0	550.4	517.0	460.7	433.6
77.5°	344.0	360.7	398.2	410.7	408.6	412.8	394.0	379.4	329.4	300.2	277.3
80°	250.2	260.6	279.4	287.7	289.8	296.0	273.1	260.6	231.4	198.1	187.6
82.5°	181.4	187.6	189.7	200.1	200.1	189.7	183.5	171.0	150.1	129.3	120.9
85°	75.1	77.1	79.2	91.7	93.8	112.6	104.2	98.0	85.5	73.0	66.7
87.5°	18.8	20.8	27.1	22.9	27.1	27.1	29.2	33.4	33.4	27.1	27.1
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: P528628

CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7
2.5°	5685.3	5702.0	5914.6	5941.7	6046.0	6152.3	6367.0	6521.3	6646.4	6727.7	6750.6
5°	4811.8	4918.1	5016.1	5174.5	5318.4	5522.7	5758.3	6050.1	6417.1	6604.7	6679.8
7.5°	3767.3	3892.4	4034.1	4188.4	4399.0	4765.9	5080.7	5418.4	5887.5	6081.4	6375.4
10°	3075.1	3214.8	3402.4	3521.3	3775.6	4125.9	4492.8	4882.6	5330.9	5610.2	5950.1
12.5°	2718.6	2833.3	3006.3	3256.5	3446.2	3673.4	3946.6	4438.6	5080.7	5345.5	5579.0
15°	2324.6	2451.7	2651.9	2929.2	3156.4	3427.4	3733.9	4269.7	4953.5	5362.1	5560.2
17.5°	1999.3	2091.1	2301.6	2541.4	2802.0	3098.0	3537.9	4261.4	5087.0	5610.2	5933.4
20°	1774.2	1786.7	1901.4	2105.7	2460.1	2845.8	3417.0	4219.7	5514.3	6037.6	6446.3
22.5°	1632.4	1619.9	1622.0	1795.0	2043.1	2597.7	3227.3	4361.4	6000.1	6717.3	6992.5
25°	1561.5	1528.2	1507.3	1544.8	1770.0	2303.7	3083.4	4549.1	6523.4	7278.1	7615.8
27.5°	1524.0	1465.6	1423.9	1430.2	1594.9	2155.7	2993.8	4630.4	7042.5	8059.9	8178.7
30°	1509.4	1436.4	1376.0	1355.1	1463.5	1949.3	2802.0	4770.1	7507.4	8489.4	8591.5
32.5°	1457.3	1367.6	1309.3	1290.5	1334.3	1767.9	2664.4	4870.1	7918.1	8956.4	8920.9
35°	1396.8	1321.8	1248.8	1213.4	1244.6	1651.2	2553.9	4822.2	8401.8	9319.1	9300.4
37.5°	1390.6	1292.6	1232.1	1173.8	1171.7	1507.3	2403.8	4868.0	8710.4	9969.6	9713.2
40°	1336.4	1273.8	1194.6	1146.6	1119.5	1434.4	2257.9	4759.6	9162.8	10232.3	9980.0
42.5°	1338.5	1244.6	1175.8	1119.5	1092.4	1328.0	2157.8	4730.4	9321.2	10659.7	10105.1
45°	1305.1	1213.4	1155.0	1088.3	1073.7	1246.7	2061.9	4594.9	9600.6	10680.5	9948.7
47.5°	1271.7	1190.4	1127.9	1048.7	1015.3	1217.5	1986.8	4482.4	9454.6	10484.5	9731.9
50°	1248.8	1155.0	1096.6	1040.3	946.5	1167.5	1888.8	4455.3	9250.3	10219.8	9329.6
52.5°	1209.2	1125.8	1065.3	1021.6	871.5	1121.6	1851.3	4613.7	9500.5	10021.7	9212.8
55°	1171.7	1086.2	1009.1	923.6	808.9	1000.7	1747.1	4761.7	9865.4	10478.3	9742.3
57.5°	1132.1	1050.7	967.4	865.2	748.4	875.6	1638.7	4788.8	9181.5	9684.0	9248.2
60°	1079.9	975.7	913.1	779.7	683.8	725.5	1298.8	4221.8	7121.7	8087.0	8101.6
62.5°	1021.6	909.0	854.8	698.4	617.1	625.4	1059.1	3548.4	5777.0	6694.3	7092.5
65°	944.4	836.0	771.4	646.3	569.2	542.1	775.6	2599.8	4388.5	5430.9	5883.4
67.5°	844.4	742.2	660.9	562.9	508.7	464.9	529.5	1463.5	2591.4	3646.3	3783.9
70°	738.0	650.5	565.0	483.7	423.2	391.9	387.8	648.4	1238.4	1961.8	2232.8
72.5°	581.7	519.1	450.3	389.9	350.2	304.4	277.3	268.9	419.0	798.5	1102.9
75°	417.0	364.8	325.2	285.6	256.4	231.4	210.6	191.8	175.1	200.1	275.2
77.5°	262.7	243.9	212.7	202.2	185.5	179.3	171.0	160.5	148.0	139.7	139.7
80°	177.2	164.7	154.3	152.2	145.9	143.9	145.9	135.5	123.0	112.6	116.7
82.5°	118.8	116.7	114.7	112.6	114.7	116.7	120.9	118.8	108.4	102.2	104.2
85°	70.9	75.1	79.2	83.4	91.7	81.3	66.7	56.3	50.0	45.9	43.8
87.5°	27.1	37.5	33.4	31.3	33.4	31.3	29.2	27.1	22.9	20.8	20.8
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: P528628

CATALOG NUMBER: GALN-SA3D-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7	6383.7
2.5°	6902.8	6944.5	6980.0	6971.6	6898.7	6800.7	6761.1	6558.8	6517.1	6490.0
5°	6996.6	7238.5	7290.6	7259.3	7069.6	6829.9	6596.4	6300.3	6127.3	6121.0
7.5°	6823.6	7121.7	7215.5	7286.4	7034.2	6617.2	6216.9	5772.9	5664.4	5672.8
10°	6383.7	6859.0	7090.5	7163.4	6873.6	6513.0	5958.4	5508.1	5276.7	5272.5
12.5°	6139.8	6513.0	6577.6	6679.8	6594.3	6229.4	5808.3	5303.8	5078.6	5074.4
15°	5923.0	6169.0	6187.7	6331.6	6377.5	6131.4	5847.9	5310.0	5128.6	5109.9
17.5°	6112.7	5941.7	5870.8	5889.6	6025.1	6114.8	6077.2	5664.4	5478.9	5374.7
20°	6239.9	5858.3	5643.6	5664.4	5825.0	6152.3	6419.1	6177.3	5883.4	5895.9
22.5°	6579.7	5870.8	5535.2	5512.3	5766.6	6348.3	6804.8	6825.7	6542.2	6473.4
25°	7088.4	6014.7	5501.8	5495.6	5739.5	6558.8	7255.2	7592.9	7303.1	7175.9
27.5°	7497.0	6239.9	5606.1	5626.9	5825.0	6729.8	7638.8	8087.0	7866.0	7709.7
30°	7855.6	6473.4	5752.0	5656.1	6054.3	6819.4	7803.5	8649.9	8472.7	8343.4
32.5°	8003.6	6804.8	5983.4	5825.0	6244.0	6927.8	8145.4	9196.1	9043.9	8725.0
35°	8253.8	6990.4	6108.5	6096.0	6575.5	7188.4	8305.9	9556.8	9494.3	9210.7
37.5°	8453.9	7178.0	6552.6	6415.0	7030.0	7626.3	8564.4	10055.1	9911.2	9777.8
40°	8608.2	7513.7	6967.5	7148.8	7588.7	8024.5	8802.1	10086.3	10501.2	10113.4
42.5°	8466.4	7813.9	7649.2	8082.8	8499.8	8478.9	8829.2	10328.2	10638.8	10436.6
45°	8431.0	8322.6	8727.0	9121.1	9217.0	8856.3	8635.3	10061.3	10597.1	10507.5
47.5°	8345.5	8822.9	9527.6	10169.7	10023.8	9108.6	8403.9	10013.4	10622.1	10461.6
50°	8316.3	8931.4	10119.7	10745.1	10657.6	9327.5	8295.5	9704.8	10444.9	10430.3
52.5°	8314.2	9154.4	10365.7	11057.9	11112.1	9673.5	8443.5	9861.2	10582.5	10705.5
55°	8408.1	9083.5	10334.4	10884.8	10864.0	9519.3	8460.2	9965.4	10751.4	10872.3
57.5°	7930.6	8137.0	8529.0	8964.7	8852.1	7884.8	7555.4	9212.8	9867.4	9779.9
60°	6848.6	6202.3	5760.3	5739.5	5520.6	5218.3	6183.6	8222.5	8222.5	8137.0
62.5°	5998.0	4071.6	3498.3	3335.7	3492.1	3840.2	5964.7	7997.4	7770.1	7672.1
65°	5245.4	3108.5	2528.9	2483.0	2754.0	3279.4	5393.4	6813.2	6412.9	6087.7
67.5°	3375.3	2276.6	1880.5	1799.2	2126.5	2408.0	3590.1	4190.5	3938.2	3811.0
70°	2176.5	1482.3	1046.6	981.9	1109.1	1484.4	2293.3	2443.4	2076.5	1991.0
72.5°	1029.9	640.0	366.9	302.3	339.8	567.1	906.9	975.7	811.0	742.2
75°	327.3	235.6	150.1	129.3	123.0	145.9	208.5	160.5	116.7	114.7
77.5°	145.9	139.7	118.8	100.1	87.6	73.0	60.5	50.0	52.1	54.2
80°	120.9	110.5	98.0	87.6	73.0	56.3	43.8	33.4	33.4	35.4
82.5°	106.3	95.9	85.5	73.0	62.5	45.9	33.4	22.9	20.8	20.8
85°	45.9	54.2	58.4	62.5	50.0	37.5	22.9	14.6	12.5	12.5
87.5°	18.8	16.7	14.6	12.5	10.4	10.4	8.3	6.3	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)