

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: P528652

Luminaire Tested: **GALN-SA3D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528652
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-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 15664 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

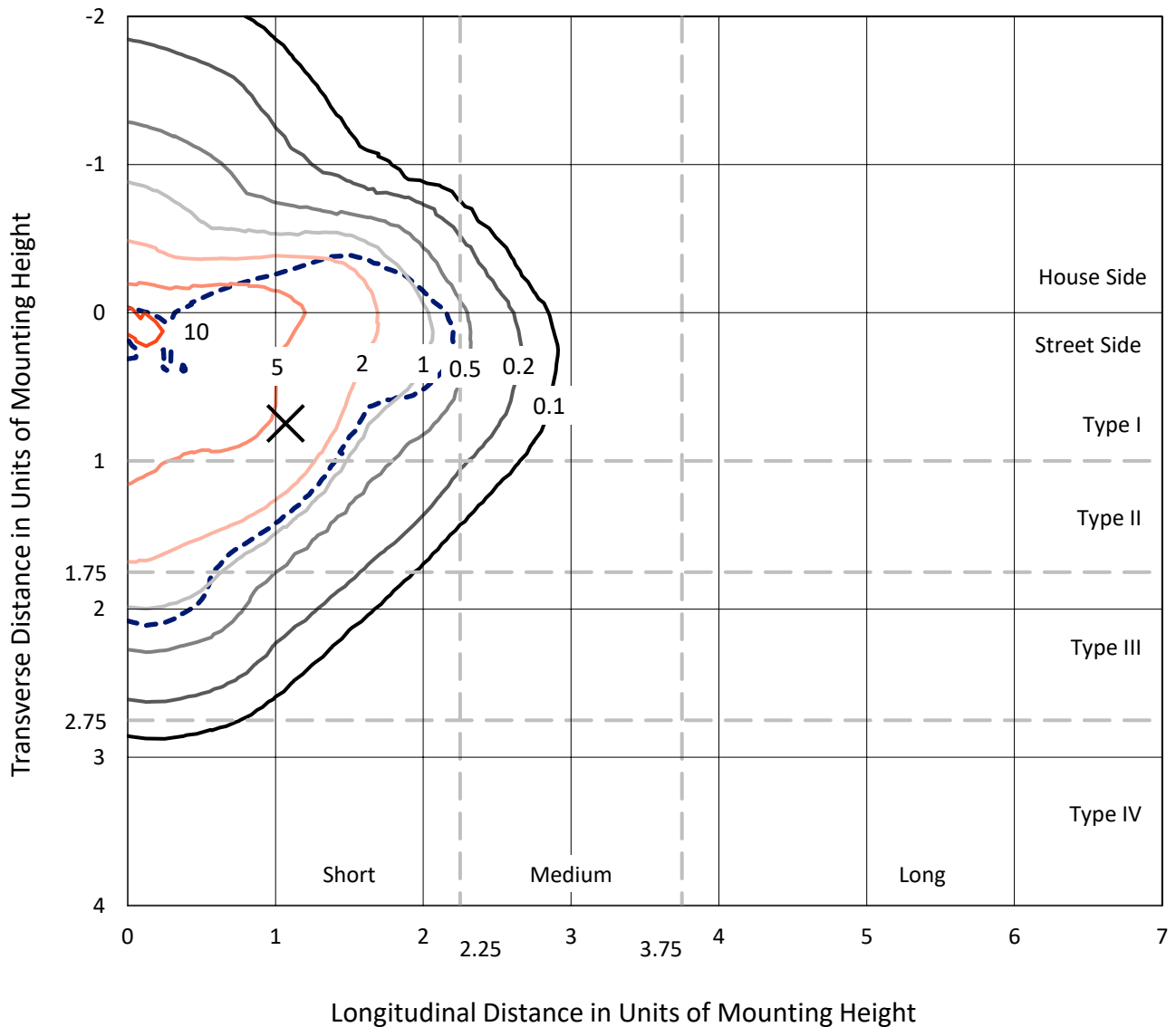
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

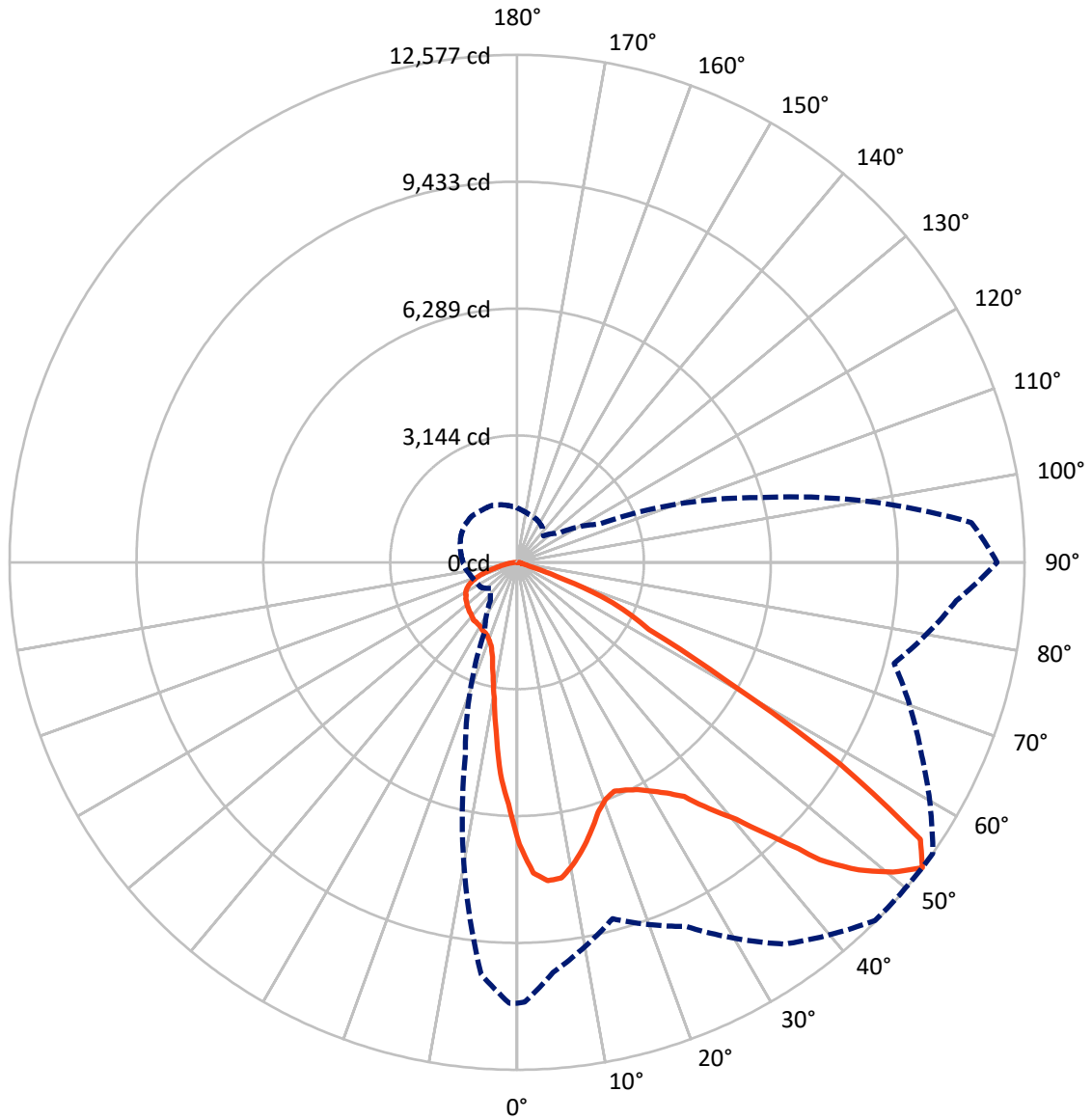
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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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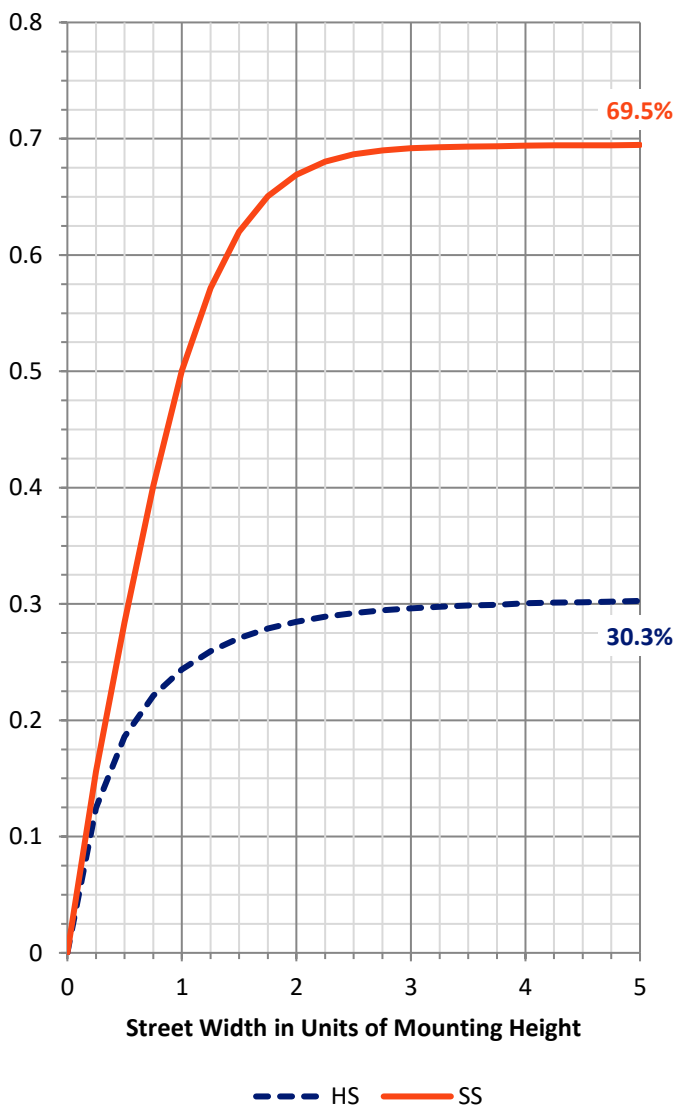
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4778.4	0.0	4778.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	10885.6	0.0	10885.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	15664.0	0.0	15664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.8	3.4
10°-20°	1151.0	7.3
20°-30°	1745.3	11.1
30°-40°	2521.6	16.1
40°-50°	3369.6	21.5
50°-60°	3761.2	24.0
60°-70°	2063.2	13.2
70°-80°	446.1	2.8
80°-90°	72.2	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°	15664.0	100.0
0°-180°	15664.0	100.0

Coefficient of Utilization



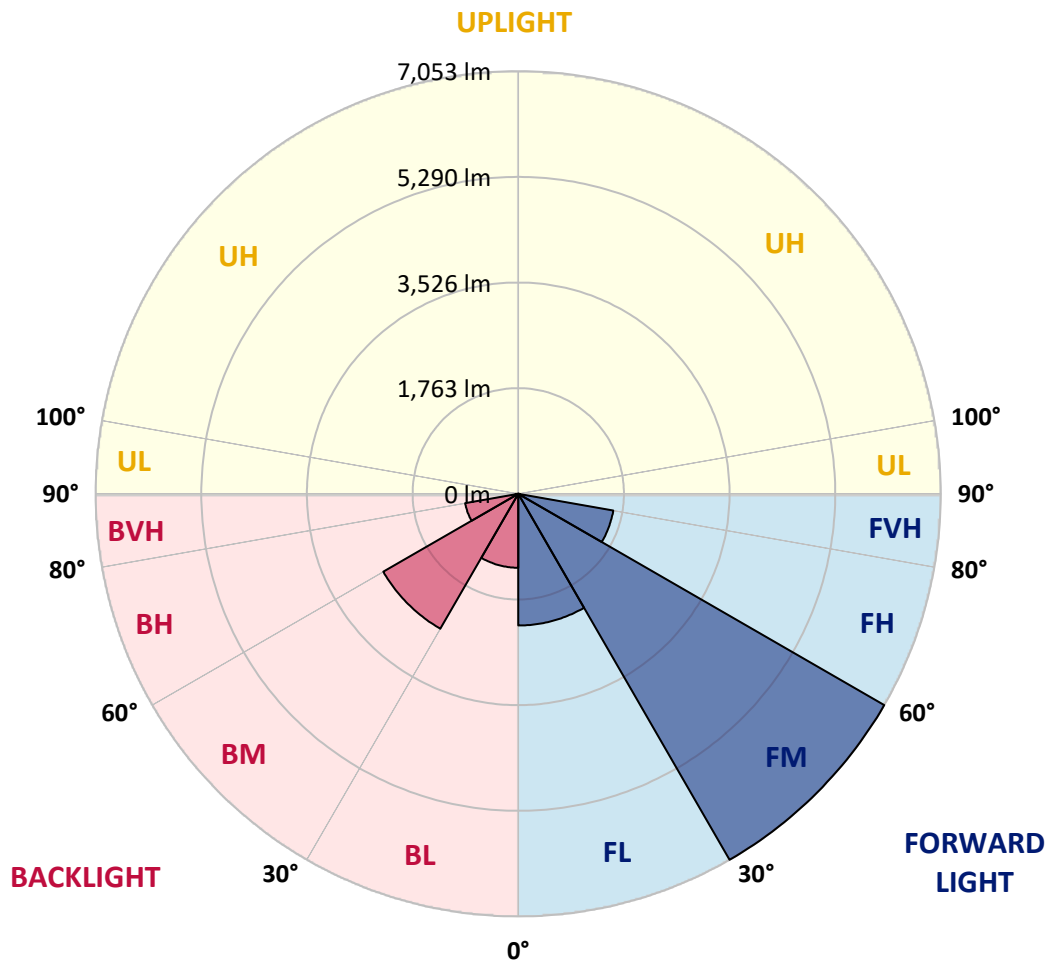
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2196.4	14.0			
FM (30°-60°)	7052.7	45.0			
FH (60°-80°)	1609.9	10.3			G1/1800
FVH (80°-90°)	26.7	0.2			G1/100
BL (0°-30°)	1233.7	7.9	B3/2500		
BM (30°-60°)	2599.8	16.6	B3/5000		
BH (60°-80°)	899.4	5.7	B2/1000		G2/1000
BVH (80°-90°)	45.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4
2.5°	7332.7	7291.6	7328.1	7502.0	7602.6	7671.2	7714.7	7707.8	7543.1	7383.0	7383.0
5°	7117.7	7065.1	7140.6	7534.0	7929.7	7964.0	8021.2	7927.4	7684.9	7392.2	7026.2
7.5°	6495.6	6534.5	6660.3	7177.2	7691.8	7950.3	8018.9	7899.9	7506.5	6959.9	6422.4
10°	5958.1	6049.6	6340.1	6898.2	7371.6	7707.8	7783.3	7616.3	7305.3	6635.1	6154.8
12.5°	5772.9	5715.7	6038.2	6596.2	7049.1	7229.8	7264.1	7275.5	7065.1	6470.5	5884.9
15°	5750.0	5786.6	6038.2	6461.3	6740.3	6749.5	6806.7	6895.9	6923.3	6582.5	6010.7
17.5°	6079.3	6035.9	6294.3	6630.6	6497.9	6365.2	6379.0	6507.0	6733.5	6678.6	6406.4
20°	6566.5	6664.9	6868.4	6834.1	6477.3	6141.1	6143.4	6264.6	6710.6	7076.6	6957.6
22.5°	7376.2	7472.2	7623.2	7209.2	6477.3	6074.8	5997.0	6161.7	6857.0	7550.0	7579.7
25°	8114.9	8291.1	8332.2	7845.1	6802.1	6136.5	6086.2	6248.6	7003.4	8012.0	8293.3
27.5°	8787.4	8851.4	9032.1	8254.5	6982.8	6177.7	6173.1	6381.3	7188.6	8243.0	8931.5
30°	9318.0	9311.1	9414.1	8512.9	7271.0	6408.7	6186.8	6580.2	7431.1	8625.0	9521.6
32.5°	9679.4	9757.1	9974.4	8872.0	7392.2	6628.3	6454.4	6813.5	7726.1	8805.7	9937.8
35°	10315.2	10450.2	10175.7	9071.0	7776.4	6845.6	6642.0	7131.4	7872.5	9002.4	10447.9
37.5°	10914.5	10811.5	10532.5	9178.5	8025.7	7248.1	7058.3	7746.7	8327.6	9430.1	10786.4
40°	11298.7	11296.4	10800.1	9265.4	8201.9	7863.3	7851.9	8371.1	8885.7	9700.0	11166.0
42.5°	11465.7	11625.8	10909.9	9256.2	8572.4	8609.0	8840.0	9304.3	9281.4	9754.9	11156.9
44°	11694.4	11790.4	11099.7	9276.8	8819.4	9112.2	9656.5	9951.5	9626.8	9725.1	11145.5
45°	11685.2	11692.1	10829.8	9304.3	9029.8	9533.0	10020.2	10518.8	9931.0	9661.1	11296.4
47.5°	11417.6	11339.9	10601.1	9100.7	9686.2	10644.6	11095.1	11397.1	10306.1	9523.8	11108.9
50°	10889.3	10800.1	10045.3	9013.8	9823.5	11335.3	11957.4	12067.2	10646.9	9388.9	10923.6
52.5°	10925.9	10900.7	10203.1	9144.2	9960.7	11552.6	12549.8	12577.2	11033.4	9672.5	10925.9
55°	11580.0	11493.1	10656.0	9306.6	9860.1	11298.7	12172.4	12124.4	10903.0	9501.0	11127.2
57.5°	10596.5	10653.7	10029.3	8663.9	8629.6	9185.3	9569.6	9450.7	9098.4	8574.7	10351.8
60°	8549.5	8711.9	8771.4	7245.8	6511.6	6225.7	6111.4	5900.9	5960.4	7044.5	9093.9
62.5°	7332.7	7323.6	7696.4	6568.8	4265.6	3668.6	3613.8	3661.8	4347.9	6934.8	8906.3
65°	5814.0	5969.6	6083.9	5567.0	3375.9	2724.0	2721.8	3025.9	3762.4	5795.7	7190.9
67.5°	3691.5	3895.1	4036.9	3561.1	2257.5	1939.5	1886.9	2252.9	2607.4	3801.3	4329.6
70°	2081.3	2177.4	2241.4	2053.9	1436.4	1006.4	946.9	1033.8	1575.9	2461.0	2566.2
72.5°	802.8	846.3	933.2	940.0	542.1	324.8	263.0	315.6	663.3	974.3	928.6
75°	123.5	132.7	187.5	224.1	155.5	118.9	125.8	130.4	185.3	251.6	210.4
77.5°	59.5	59.5	57.2	66.3	77.8	84.6	91.5	100.6	109.8	121.2	116.6
80°	38.9	38.9	38.9	45.7	57.2	68.6	77.8	82.3	86.9	96.1	91.5
82.5°	25.2	25.2	25.2	34.3	45.7	57.2	61.8	73.2	82.3	96.1	89.2
85°	13.7	13.7	13.7	22.9	34.3	48.0	45.7	36.6	20.6	2.3	4.6
87.5°	4.6	4.6	4.6	4.6	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°	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4
2.5°	7190.9	7085.7	7076.6	6861.6	6669.4	6575.7	6500.2	6289.8	6335.5	6214.3	6212.0
5°	6843.3	6628.3	6280.6	5994.7	5708.8	5651.6	5402.3	5185.1	5191.9	5036.4	5063.8
7.5°	6218.9	6070.2	5647.1	5198.8	4819.1	4549.2	4313.6	4171.8	3991.1	3929.4	3897.4
10°	5823.2	5640.2	5164.5	4601.8	4176.4	4032.3	3805.9	3680.1	3494.8	3403.3	3339.3
12.5°	5649.4	5381.8	4787.1	4215.3	3931.7	3783.0	3590.9	3362.2	3142.6	3058.0	2941.3
15°	5667.6	5347.4	4677.3	4059.8	3719.0	3430.8	3259.2	3005.4	2781.2	2632.6	2547.9
17.5°	5944.4	5555.6	4727.6	3940.8	3451.4	3090.0	2753.8	2479.3	2300.9	2188.8	2161.4
20°	6598.5	6070.2	4812.2	3748.7	3183.8	2733.2	2319.2	2033.3	1896.1	1893.8	1896.1
22.5°	7142.9	6619.1	4983.8	3634.3	2916.2	2275.8	1864.1	1772.6	1745.1	1802.3	1809.2
25°	7877.1	7236.7	5278.8	3574.9	2669.1	1939.5	1685.7	1651.3	1649.1	1722.3	1724.5
27.5°	8629.6	7776.4	5454.9	3401.0	2417.6	1765.7	1578.2	1571.3	1607.9	1685.7	1678.8
30°	9141.9	8229.3	5772.9	3192.9	2120.2	1612.5	1534.7	1543.9	1594.2	1653.6	1662.8
32.5°	9738.8	8675.3	5855.2	3078.6	1937.2	1484.4	1429.5	1450.1	1514.1	1607.9	1658.2
35°	10422.7	8990.9	5981.0	2923.0	1868.6	1386.0	1358.6	1381.5	1459.2	1521.0	1575.9
37.5°	10928.2	9549.0	6003.9	2801.8	1793.2	1331.1	1287.7	1363.2	1408.9	1495.8	1523.3
40°	11303.3	9953.8	6063.3	2726.3	1733.7	1260.2	1260.2	1310.6	1372.3	1452.4	1507.3
42.5°	11543.4	10248.9	6106.8	2657.7	1619.3	1239.7	1228.2	1278.5	1360.9	1438.6	1463.8
44°	11689.8	10374.7	6063.3	2593.7	1587.3	1214.5	1214.5	1258.0	1322.0	1413.5	1443.2
45°	11726.4	10532.5	5967.3	2591.4	1548.4	1184.8	1180.2	1262.5	1306.0	1418.1	1436.4
47.5°	11868.2	10726.9	5978.7	2518.2	1454.7	1113.9	1193.9	1230.5	1269.4	1367.7	1429.5
50°	11863.6	10848.1	5953.5	2410.7	1386.0	1033.8	1166.5	1207.6	1246.5	1347.2	1372.3
52.5°	11895.7	11301.0	6184.6	2239.2	1262.5	930.9	1075.0	1166.5	1214.5	1299.1	1351.7
55°	11879.6	11559.4	6413.3	2111.1	1088.7	869.1	997.2	1104.7	1173.3	1262.5	1287.7
57.5°	10850.4	10216.9	5935.2	1870.9	901.2	795.9	887.4	1040.7	1127.6	1219.1	1251.1
60°	8865.1	7874.8	4894.6	1376.9	741.0	731.9	825.7	1020.1	1056.7	1136.7	1191.6
62.5°	8192.7	6907.3	3881.4	1052.1	633.6	670.1	761.6	921.7	978.9	1077.3	1127.6
65°	6411.0	4588.1	2403.8	711.3	558.1	601.5	688.4	807.4	901.2	992.6	1052.1
67.5°	3796.7	2506.8	1189.3	498.6	487.2	532.9	622.1	711.3	818.8	919.4	949.2
70°	2067.6	1232.8	507.8	379.7	414.0	455.2	542.1	603.8	706.7	784.5	834.8
72.5°	663.3	375.1	253.9	281.3	315.6	363.7	416.3	491.7	564.9	610.7	651.8
75°	160.1	157.8	180.7	196.7	228.7	265.3	308.8	347.7	404.8	448.3	484.9
77.5°	112.1	121.2	139.5	162.4	173.8	187.5	215.0	244.7	269.9	301.9	324.8
80°	86.9	93.8	107.5	118.9	130.4	141.8	155.5	167.0	183.0	203.6	215.0
82.5°	82.3	86.9	100.6	107.5	102.9	100.6	109.8	114.4	116.6	123.5	130.4
85°	6.9	0.0	4.6	16.0	38.9	57.2	61.8	61.8	59.5	64.0	64.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	9.1	6.9
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°	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4
2.5°	6184.6	6106.8	6136.5	6173.1	6120.5	5999.3	6031.3	6017.6	6141.1	6131.9	6255.5
5°	5185.1	5063.8	5077.6	5256.0	5198.8	5260.5	5137.0	5121.0	5143.9	5155.3	5175.9
7.5°	3968.3	3952.3	4089.5	4240.4	4311.3	4238.2	4116.9	4089.5	4064.3	4014.0	4128.4
10°	3238.7	3243.2	3234.1	3348.4	3428.5	3412.5	3339.3	3330.1	3282.1	3263.8	3327.9
12.5°	2891.0	2829.3	2799.5	2762.9	2824.7	2865.8	2833.8	2811.0	2813.2	2836.1	2845.3
15°	2554.8	2515.9	2451.9	2410.7	2440.4	2419.8	2408.4	2454.2	2442.7	2438.1	2493.0
17.5°	2177.4	2209.4	2204.8	2159.1	2198.0	2182.0	2179.7	2147.7	2104.2	2072.2	2090.5
20°	1928.1	1987.6	2033.3	2035.6	2056.2	2053.9	2019.6	1921.2	1889.2	1882.4	1886.9
22.5°	1838.9	1870.9	1925.8	2003.6	2003.6	1967.0	1925.8	1811.5	1781.7	1749.7	1736.0
25°	1768.0	1829.7	1900.7	1909.8	1946.4	1912.1	1845.8	1788.6	1726.8	1683.4	1683.4
27.5°	1731.4	1800.0	1852.6	1868.6	1918.9	1891.5	1822.9	1749.7	1676.5	1674.2	1635.3
30°	1715.4	1779.4	1813.7	1852.6	1875.5	1832.0	1811.5	1733.7	1660.5	1642.2	1578.2
32.5°	1667.4	1758.8	1822.9	1813.7	1832.0	1813.7	1784.0	1720.0	1637.6	1596.5	1589.6
35°	1612.5	1704.0	1772.6	1820.6	1832.0	1793.2	1774.9	1687.9	1575.9	1555.3	1484.4
37.5°	1582.7	1637.6	1722.3	1800.0	1816.0	1795.4	1733.7	1644.5	1532.4	1509.5	1447.8
40°	1546.1	1617.0	1683.4	1747.4	1795.4	1745.1	1674.2	1587.3	1537.0	1468.4	1450.1
42.5°	1518.7	1598.7	1653.6	1724.5	1779.4	1713.1	1630.8	1571.3	1500.4	1454.7	1402.0
44°	1509.5	1582.7	1619.3	1706.2	1752.0	1701.7	1633.1	1571.3	1489.0	1447.8	1402.0
45°	1477.5	1578.2	1617.0	1694.8	1733.7	1692.5	1605.6	1543.9	1484.4	1434.1	1386.0
47.5°	1445.5	1514.1	1580.4	1642.2	1669.6	1655.9	1582.7	1507.3	1436.4	1406.6	1360.9
50°	1436.4	1505.0	1566.7	1623.9	1655.9	1628.5	1562.1	1489.0	1406.6	1358.6	1319.7
52.5°	1390.6	1475.2	1543.9	1562.1	1603.3	1587.3	1537.0	1456.9	1379.2	1338.0	1306.0
55°	1324.3	1413.5	1507.3	1530.1	1589.6	1564.4	1489.0	1413.5	1347.2	1285.4	1244.2
57.5°	1299.1	1386.0	1477.5	1507.3	1543.9	1502.7	1484.4	1404.3	1299.1	1267.1	1203.1
60°	1235.1	1344.9	1420.3	1489.0	1491.2	1479.8	1447.8	1356.3	1269.4	1209.9	1164.2
62.5°	1184.8	1287.7	1347.2	1411.2	1450.1	1418.1	1386.0	1301.4	1207.6	1141.3	1088.7
65°	1111.6	1205.3	1255.7	1294.5	1338.0	1333.4	1278.5	1216.8	1118.4	1065.8	1015.5
67.5°	999.5	1081.8	1150.5	1187.0	1214.5	1207.6	1166.5	1123.0	1022.4	969.8	933.2
70°	864.6	949.2	992.6	1013.2	1040.7	1054.4	1022.4	1001.8	912.6	844.0	809.7
72.5°	695.3	750.2	814.2	832.5	844.0	853.1	853.1	834.8	743.3	715.9	656.4
75°	512.3	555.8	603.8	603.8	624.4	626.7	631.3	619.8	551.2	514.6	500.9
77.5°	347.7	379.7	418.6	434.6	448.3	446.0	443.7	411.7	375.1	359.1	345.4
80°	226.4	258.5	276.7	297.3	311.1	308.8	313.3	290.5	274.5	247.0	251.6
82.5°	134.9	160.1	178.4	203.6	203.6	210.4	210.4	203.6	187.5	173.8	173.8
85°	64.0	84.6	96.1	112.1	121.2	123.5	109.8	93.8	77.8	70.9	77.8
87.5°	11.4	16.0	22.9	20.6	25.2	22.9	22.9	22.9	22.9	18.3	20.6
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: P528652

CATALOG NUMBER: GALN-SA3D-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4	6987.4
2.5°	6209.7	6324.1	6404.1	6536.8	6765.5	6948.5	7136.0	7275.5	7291.6	7332.7
5°	5251.4	5313.1	5516.7	5782.0	5969.6	6278.3	6477.3	6838.7	6973.6	7117.7
7.5°	4100.9	4201.6	4473.7	4652.1	5063.8	5450.4	5850.6	6296.6	6475.0	6495.6
10°	3458.2	3604.6	3789.9	4075.8	4299.9	4729.9	5228.5	5724.8	5923.8	5958.1
12.5°	3037.4	3224.9	3471.9	3677.8	3892.8	4267.9	4745.9	5358.9	5617.3	5772.9
15°	2632.6	2827.0	3099.1	3385.0	3574.9	4023.2	4585.8	5276.5	5612.8	5750.0
17.5°	2216.3	2397.0	2621.1	2929.9	3311.8	3815.0	4560.7	5551.0	5919.2	6079.3
20°	1859.5	1960.1	2220.9	2538.8	3016.8	3602.3	4569.8	5955.8	6495.6	6566.5
22.5°	1720.0	1742.8	1845.8	2138.5	2662.3	3385.0	4732.2	6529.9	7142.9	7376.2
25°	1612.5	1607.9	1635.3	1832.0	2403.8	3300.4	4892.3	7058.3	7861.1	8114.9
27.5°	1553.0	1507.3	1509.5	1694.8	2220.9	3163.2	5098.1	7664.4	8675.3	8787.4
30°	1523.3	1514.1	1486.7	1562.1	2021.9	2957.3	5132.4	8261.3	9155.6	9318.0
32.5°	1505.0	1415.8	1381.5	1408.9	1834.3	2733.2	5260.5	8654.7	9750.3	9679.4
35°	1413.5	1333.4	1310.6	1338.0	1701.7	2607.4	5175.9	8997.8	10196.3	10315.2
37.5°	1379.2	1308.3	1262.5	1239.7	1578.2	2502.2	5132.4	9526.1	10628.6	10914.5
40°	1347.2	1271.7	1216.8	1193.9	1482.1	2362.7	5118.7	9933.3	11127.2	11298.7
42.5°	1310.6	1262.5	1200.8	1159.6	1365.5	2223.1	4960.9	10059.0	11280.4	11465.7
44°	1299.1	1225.9	1161.9	1148.2	1319.7	2152.2	4928.9	10173.4	11413.1	11694.4
45°	1287.7	1219.1	1145.9	1127.6	1303.7	2113.4	4885.4	10200.9	11632.6	11685.2
47.5°	1255.7	1212.2	1141.3	1091.0	1269.4	2028.7	4755.1	10045.3	11408.5	11417.6
50°	1230.5	1180.2	1107.0	1008.6	1223.6	1957.8	4814.5	9988.1	10868.7	10889.3
52.5°	1203.1	1127.6	1086.4	917.2	1148.2	1898.4	4940.3	10246.6	10930.5	10925.9
55°	1171.0	1088.7	988.1	839.4	1022.4	1822.9	5244.5	10756.6	11502.3	11580.0
57.5°	1120.7	1049.8	905.7	770.8	878.3	1678.8	5146.2	9780.0	10582.8	10596.5
60°	1054.4	988.1	821.1	718.2	720.5	1324.3	4601.8	7620.9	8350.5	8549.5
62.5°	990.4	953.8	750.2	642.7	613.0	1054.4	3890.5	6333.2	7168.0	7332.7
65°	914.9	825.7	688.4	585.5	526.1	738.8	2756.1	4732.2	5592.2	5814.0
67.5°	818.8	722.8	606.1	514.6	450.6	494.0	1422.6	2689.7	3561.1	3691.5
70°	715.9	626.7	510.0	434.6	363.7	340.8	626.7	1283.1	1946.4	2081.3
72.5°	587.8	505.5	407.1	343.1	272.2	235.6	210.4	343.1	690.7	802.8
75°	425.4	368.2	306.5	244.7	192.1	151.0	123.5	102.9	114.4	123.5
77.5°	313.3	267.6	226.4	173.8	134.9	107.5	84.6	64.0	61.8	59.5
80°	244.7	217.3	180.7	139.5	105.2	80.1	59.5	43.5	38.9	38.9
82.5°	192.1	178.4	148.7	114.4	86.9	64.0	43.5	29.7	25.2	25.2
85°	73.2	73.2	107.5	93.8	66.3	45.7	29.7	16.0	13.7	13.7
87.5°	18.3	18.3	18.3	18.3	16.0	13.7	13.7	6.9	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)