

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: P526754

Luminaire Tested: **GALN-SA1D-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526754
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-SA1D-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 4876 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

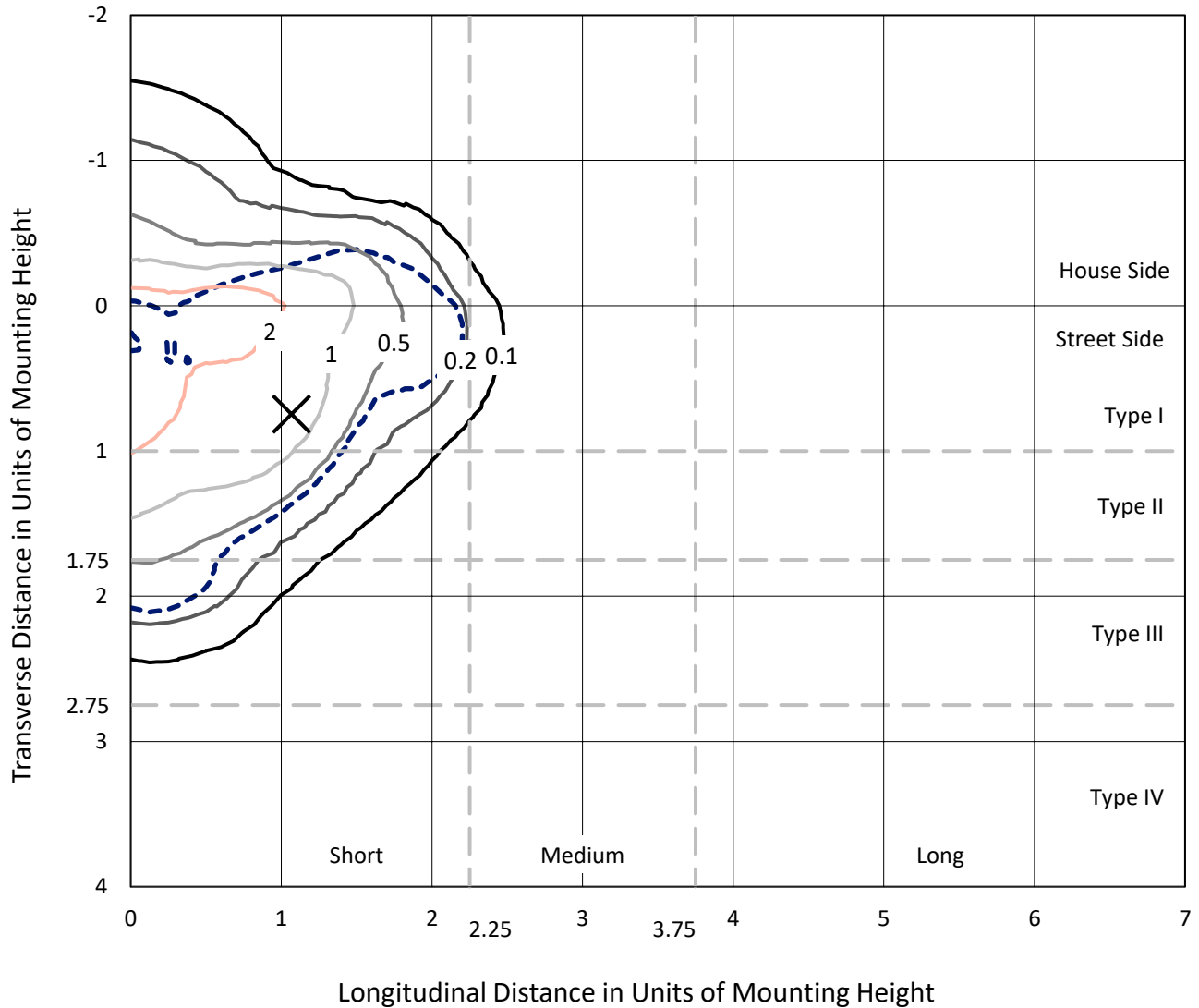
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

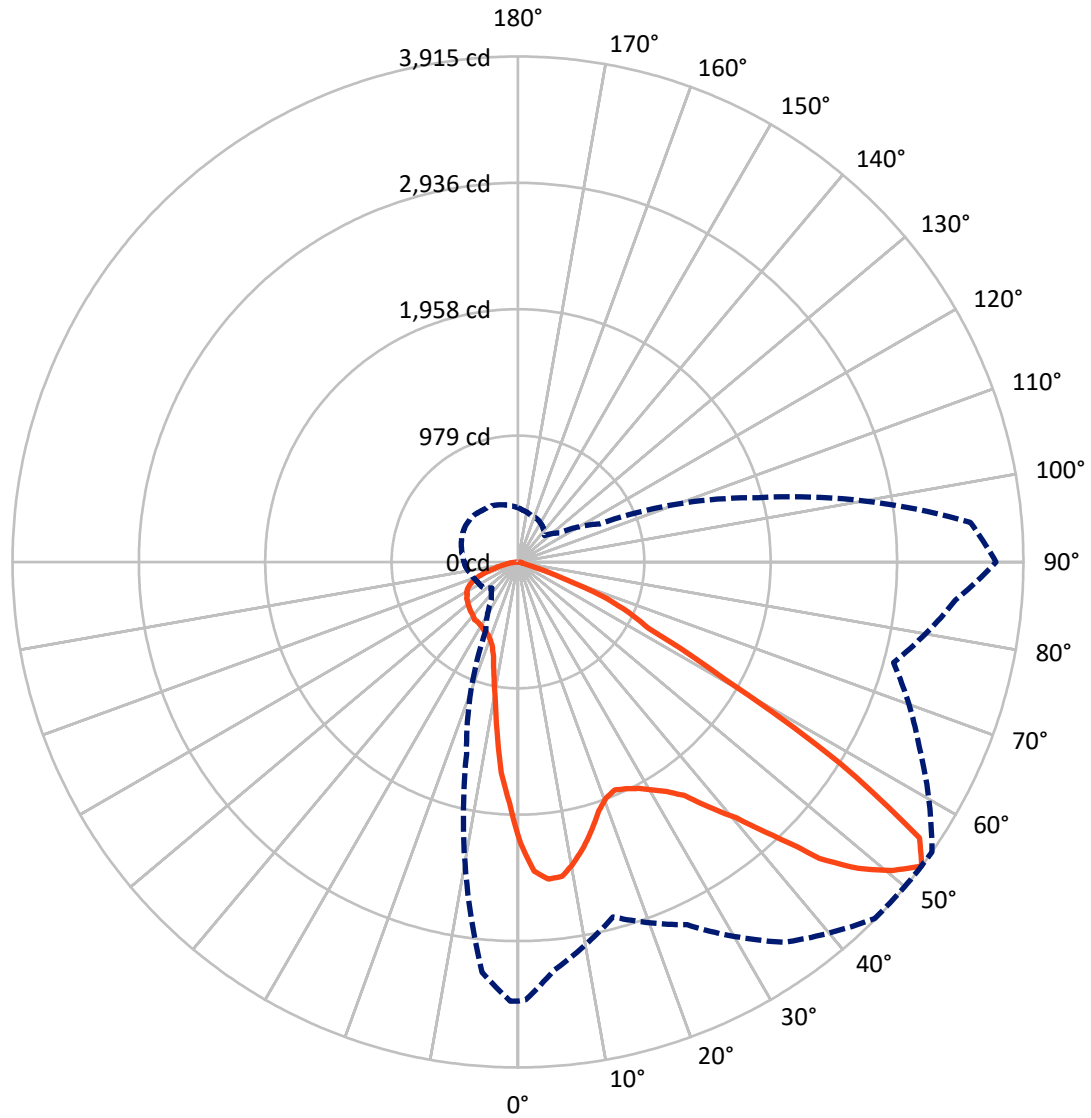
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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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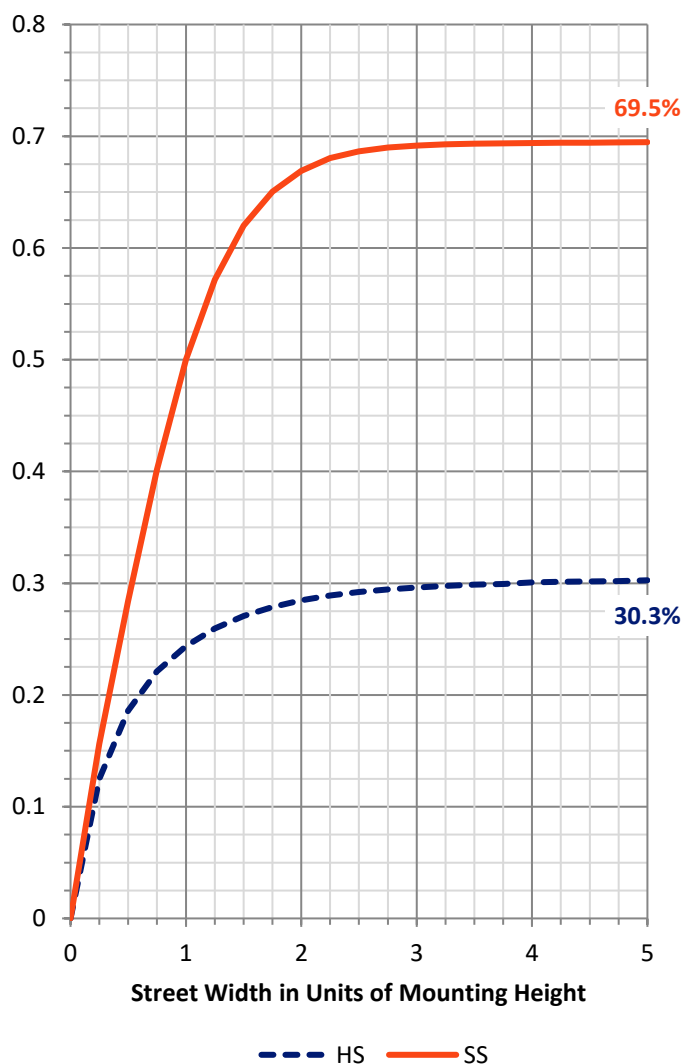
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1487.4	0.0	1487.4
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	3388.6	0.0	3388.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	4876.0	0.0	4876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	3.4
10°-20°	358.3	7.3
20°-30°	543.3	11.1
30°-40°	785.0	16.1
40°-50°	1048.9	21.5
50°-60°	1170.8	24.0
60°-70°	642.2	13.2
70°-80°	138.9	2.8
80°-90°	22.5	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°	4876.0	100.0
0°-180°	4876.0	100.0

Coefficient of Utilization



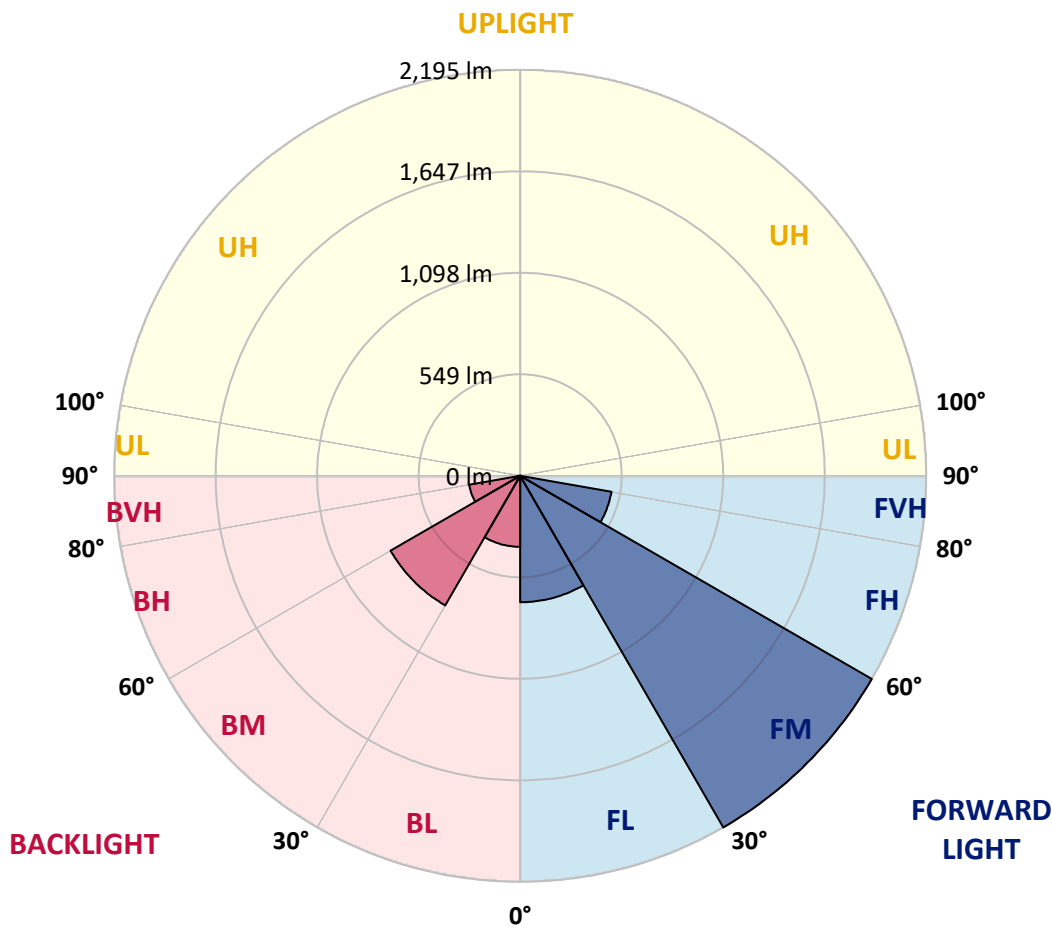
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.7	14.0			
FM (30°-60°)	2195.4	45.0			
FH (60°-80°)	501.1	10.3			G0/660
FVH (80°-90°)	8.3	0.2			G0/10
BL (0°-30°)	384.0	7.9	B1/500		
BM (30°-60°)	809.3	16.6	B1/1000		
BH (60°-80°)	280.0	5.7	B1/500		G1/500
BVH (80°-90°)	14.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1
2.5°	2282.6	2269.8	2281.2	2335.3	2366.6	2388.0	2401.5	2399.3	2348.1	2298.2	2298.2
5°	2215.7	2199.3	2222.8	2345.2	2468.4	2479.1	2496.9	2467.7	2392.2	2301.1	2187.2
7.5°	2022.0	2034.1	2073.3	2234.2	2394.4	2474.8	2496.2	2459.1	2336.7	2166.5	1999.2
10°	1854.7	1883.2	1973.6	2147.3	2294.7	2399.3	2422.8	2370.9	2274.0	2065.4	1915.9
12.5°	1797.0	1779.2	1879.6	2053.3	2194.3	2250.5	2261.2	2264.8	2199.3	2014.2	1831.9
15°	1789.9	1801.3	1879.6	2011.3	2098.2	2101.0	2118.8	2146.6	2155.1	2049.1	1871.1
17.5°	1892.4	1878.9	1959.3	2064.0	2022.7	1981.4	1985.7	2025.6	2096.0	2079.0	1994.2
20°	2044.1	2074.7	2138.1	2127.4	2016.3	1911.6	1912.4	1950.1	2088.9	2202.8	2165.8
22.5°	2296.1	2326.0	2373.0	2244.1	2016.3	1891.0	1866.8	1918.1	2134.5	2350.2	2359.5
25°	2526.1	2580.9	2593.7	2442.1	2117.4	1910.2	1894.6	1945.1	2180.1	2494.0	2581.6
27.5°	2735.4	2755.3	2811.6	2569.5	2173.6	1923.0	1921.6	1986.4	2237.7	2565.9	2780.2
30°	2900.6	2898.4	2930.5	2650.0	2263.4	1994.9	1925.9	2048.3	2313.2	2684.8	2963.9
32.5°	3013.1	3037.3	3104.9	2761.7	2301.1	2063.3	2009.2	2121.0	2405.0	2741.1	3093.5
35°	3211.0	3253.0	3167.6	2823.7	2420.7	2130.9	2067.6	2219.9	2450.6	2802.3	3252.3
37.5°	3397.5	3365.5	3278.6	2857.1	2498.3	2256.2	2197.1	2411.4	2592.3	2935.5	3357.7
40°	3517.1	3516.4	3361.9	2884.2	2553.1	2447.8	2444.2	2605.8	2766.0	3019.5	3475.8
42.5°	3569.1	3619.0	3396.1	2881.3	2668.5	2679.9	2751.8	2896.3	2889.2	3036.6	3473.0
44°	3640.3	3670.2	3455.2	2887.8	2745.4	2836.5	3005.9	3097.8	2996.7	3027.3	3469.4
45°	3637.5	3639.6	3371.2	2896.3	2810.9	2967.5	3119.1	3274.4	3091.4	3007.4	3516.4
47.5°	3554.2	3530.0	3300.0	2832.9	3015.2	3313.5	3453.8	3547.8	3208.1	2964.6	3458.0
50°	3389.7	3361.9	3127.0	2805.9	3057.9	3528.5	3722.2	3756.4	3314.2	2922.6	3400.4
52.5°	3401.1	3393.3	3176.1	2846.5	3100.6	3596.2	3906.6	3915.1	3434.6	3010.9	3401.1
55°	3604.7	3577.7	3317.1	2897.0	3069.3	3517.1	3789.1	3774.2	3394.0	2957.5	3463.7
57.5°	3298.6	3316.4	3122.0	2696.9	2686.3	2859.3	2978.9	2941.9	2832.2	2669.2	3222.4
60°	2661.3	2711.9	2730.4	2255.5	2027.0	1938.0	1902.4	1836.9	1855.4	2192.9	2830.8
62.5°	2282.6	2279.7	2395.8	2044.8	1327.8	1142.0	1124.9	1139.9	1353.5	2158.7	2772.4
65°	1809.8	1858.2	1893.8	1732.9	1050.9	848.0	847.2	941.9	1171.2	1804.1	2238.4
67.5°	1149.1	1212.5	1256.6	1108.5	702.7	603.8	587.4	701.3	811.6	1183.3	1347.8
70°	647.9	677.8	697.7	639.4	447.1	313.3	294.8	321.8	490.5	766.1	798.8
72.5°	249.9	263.4	290.5	292.6	168.7	101.1	81.9	98.3	206.5	303.3	289.1
75°	38.4	41.3	58.4	69.8	48.4	37.0	39.2	40.6	57.7	78.3	65.5
77.5°	18.5	18.5	17.8	20.6	24.2	26.3	28.5	31.3	34.2	37.7	36.3
80°	12.1	12.1	12.1	14.2	17.8	21.4	24.2	25.6	27.1	29.9	28.5
82.5°	7.8	7.8	7.8	10.7	14.2	17.8	19.2	22.8	25.6	29.9	27.8
85°	4.3	4.3	4.3	7.1	10.7	15.0	14.2	11.4	6.4	0.7	1.4
87.5°	1.4	1.4	1.4	1.4	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°	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1
2.5°	2238.4	2205.7	2202.8	2135.9	2076.1	2046.9	2023.4	1957.9	1972.2	1934.4	1933.7
5°	2130.2	2063.3	1955.1	1866.1	1777.1	1759.3	1681.7	1614.0	1616.2	1567.8	1576.3
7.5°	1935.9	1889.6	1757.9	1618.3	1500.1	1416.1	1342.8	1298.6	1242.4	1223.2	1213.2
10°	1812.7	1755.7	1607.6	1432.5	1300.1	1255.2	1184.7	1145.6	1087.9	1059.4	1039.5
12.5°	1758.6	1675.3	1490.2	1312.2	1223.9	1177.6	1117.8	1046.6	978.2	951.9	915.6
15°	1764.3	1664.6	1456.0	1263.7	1157.7	1068.0	1014.6	935.5	865.8	819.5	793.1
17.5°	1850.4	1729.4	1471.6	1226.7	1074.4	961.9	857.2	771.8	716.2	681.4	672.8
20°	2054.0	1889.6	1498.0	1166.9	991.1	850.8	721.9	632.9	590.2	589.5	590.2
22.5°	2223.5	2060.4	1551.4	1131.3	907.8	708.4	580.3	551.8	543.2	561.0	563.2
25°	2452.0	2252.7	1643.2	1112.8	830.9	603.8	524.7	514.0	513.3	536.1	536.8
27.5°	2686.3	2420.7	1698.1	1058.7	752.6	549.6	491.3	489.1	500.5	524.7	522.6
30°	2845.8	2561.7	1797.0	993.9	660.0	501.9	477.7	480.6	496.2	514.8	517.6
32.5°	3031.6	2700.5	1822.6	958.3	603.0	462.1	445.0	451.4	471.3	500.5	516.2
35°	3244.5	2798.8	1861.8	909.9	581.7	431.5	422.9	430.0	454.2	473.5	490.5
37.5°	3401.8	2972.5	1868.9	872.2	558.2	414.4	400.8	424.3	438.6	465.6	474.2
40°	3518.6	3098.5	1887.4	848.7	539.7	392.3	392.3	408.0	427.2	452.1	469.2
42.5°	3593.3	3190.3	1901.0	827.3	504.1	385.9	382.3	398.0	423.6	447.8	455.7
44°	3638.9	3229.5	1887.4	807.4	494.1	378.1	378.1	391.6	411.5	440.0	449.3
45°	3650.3	3278.6	1857.5	806.7	482.0	368.8	367.4	393.0	406.5	441.4	447.1
47.5°	3694.4	3339.1	1861.1	783.9	452.8	346.7	371.6	383.0	395.1	425.8	445.0
50°	3693.0	3376.9	1853.3	750.4	431.5	321.8	363.1	375.9	388.0	419.4	427.2
52.5°	3703.0	3517.9	1925.2	697.0	393.0	289.8	334.6	363.1	378.1	404.4	420.8
55°	3698.0	3598.3	1996.4	657.1	338.9	270.5	310.4	343.9	365.2	393.0	400.8
57.5°	3377.6	3180.4	1847.6	582.4	280.5	247.8	276.2	323.9	351.0	379.5	389.4
60°	2759.6	2451.3	1523.6	428.6	230.7	227.8	257.0	317.5	328.9	353.8	370.9
62.5°	2550.3	2150.2	1208.2	327.5	197.2	208.6	237.1	286.9	304.7	335.3	351.0
65°	1995.7	1428.2	748.3	221.4	173.7	173.7	214.3	251.3	280.5	309.0	327.5
67.5°	1181.9	780.3	370.2	155.2	151.6	165.9	193.7	221.4	254.9	286.2	295.5
70°	643.6	383.8	158.1	118.2	128.9	141.7	168.7	188.0	220.0	244.2	259.9
72.5°	206.5	116.8	79.0	87.6	98.3	113.2	129.6	153.1	175.9	190.1	202.9
75°	49.8	49.1	56.2	61.2	71.2	82.6	96.1	108.2	126.0	139.5	150.9
77.5°	34.9	37.7	43.4	50.5	54.1	58.4	66.9	76.2	84.0	94.0	101.1
80°	27.1	29.2	33.5	37.0	40.6	44.1	48.4	52.0	57.0	63.4	66.9
82.5°	25.6	27.1	31.3	33.5	32.0	31.3	34.2	35.6	36.3	38.4	40.6
85°	2.1	0.0	1.4	5.0	12.1	17.8	19.2	19.2	18.5	19.9	19.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.8	2.1
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°	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1
2.5°	1925.2	1901.0	1910.2	1921.6	1905.2	1867.5	1877.5	1873.2	1911.6	1908.8	1947.2
5°	1614.0	1576.3	1580.6	1636.1	1618.3	1637.5	1599.1	1594.1	1601.2	1604.8	1611.2
7.5°	1235.3	1230.3	1273.0	1320.0	1342.1	1319.3	1281.5	1273.0	1265.2	1249.5	1285.1
10°	1008.2	1009.6	1006.7	1042.3	1067.2	1062.3	1039.5	1036.6	1021.7	1016.0	1035.9
12.5°	899.9	880.7	871.5	860.1	879.3	892.1	882.1	875.0	875.7	882.8	885.7
15°	795.3	783.2	763.2	750.4	759.7	753.3	749.7	763.9	760.4	759.0	776.0
17.5°	677.8	687.8	686.3	672.1	684.2	679.2	678.5	668.5	655.0	645.0	650.7
20°	600.2	618.7	632.9	633.7	640.1	639.4	628.7	598.1	588.1	586.0	587.4
22.5°	572.4	582.4	599.5	623.7	623.7	612.3	599.5	563.9	554.6	544.7	540.4
25°	550.4	569.6	591.6	594.5	605.9	595.2	574.6	556.8	537.5	524.0	524.0
27.5°	539.0	560.3	576.7	581.7	597.3	588.8	567.4	544.7	521.9	521.2	509.1
30°	534.0	553.9	564.6	576.7	583.8	570.3	563.9	539.7	516.9	511.2	491.3
32.5°	519.0	547.5	567.4	564.6	570.3	564.6	555.3	535.4	509.8	497.0	494.8
35°	501.9	530.4	551.8	566.7	570.3	558.2	552.5	525.4	490.5	484.1	462.1
37.5°	492.7	509.8	536.1	560.3	565.3	558.9	539.7	511.9	477.0	469.9	450.7
40°	481.3	503.4	524.0	543.9	558.9	543.2	521.2	494.1	478.4	457.1	451.4
42.5°	472.7	497.7	514.8	536.8	553.9	533.3	507.6	489.1	467.1	452.8	436.4
44°	469.9	492.7	504.1	531.1	545.4	529.7	508.3	489.1	463.5	450.7	436.4
45°	459.9	491.3	503.4	527.6	539.7	526.9	499.8	480.6	462.1	446.4	431.5
47.5°	450.0	471.3	492.0	511.2	519.7	515.5	492.7	469.2	447.1	437.9	423.6
50°	447.1	468.5	487.7	505.5	515.5	506.9	486.3	463.5	437.9	422.9	410.8
52.5°	432.9	459.2	480.6	486.3	499.1	494.1	478.4	453.5	429.3	416.5	406.5
55°	412.2	440.0	469.2	476.3	494.8	487.0	463.5	440.0	419.4	400.1	387.3
57.5°	404.4	431.5	459.9	469.2	480.6	467.8	462.1	437.2	404.4	394.4	374.5
60°	384.5	418.6	442.1	463.5	464.2	460.6	450.7	422.2	395.1	376.6	362.4
62.5°	368.8	400.8	419.4	439.3	451.4	441.4	431.5	405.1	375.9	355.3	338.9
65°	346.0	375.2	390.9	403.0	416.5	415.1	398.0	378.8	348.2	331.8	316.1
67.5°	311.1	336.8	358.1	369.5	378.1	375.9	363.1	349.6	318.3	301.9	290.5
70°	269.1	295.5	309.0	315.4	323.9	328.2	318.3	311.8	284.1	262.7	252.0
72.5°	216.4	233.5	253.5	259.2	262.7	265.6	265.6	259.9	231.4	222.8	204.3
75°	159.5	173.0	188.0	188.0	194.4	195.1	196.5	192.9	171.6	160.2	155.9
77.5°	108.2	118.2	130.3	135.3	139.5	138.8	138.1	128.2	116.8	111.8	107.5
80°	70.5	80.5	86.1	92.6	96.8	96.1	97.5	90.4	85.4	76.9	78.3
82.5°	42.0	49.8	55.5	63.4	63.4	65.5	65.5	63.4	58.4	54.1	54.1
85°	19.9	26.3	29.9	34.9	37.7	38.4	34.2	29.2	24.2	22.1	24.2
87.5°	3.6	5.0	7.1	6.4	7.8	7.1	7.1	7.1	7.1	5.7	6.4
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: P526754

CATALOG NUMBER: GALN-SA1D-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1	2175.1
2.5°	1933.0	1968.6	1993.5	2034.8	2106.0	2163.0	2221.4	2264.8	2269.8	2282.6
5°	1634.7	1653.9	1717.3	1799.9	1858.2	1954.4	2016.3	2128.8	2170.8	2215.7
7.5°	1276.6	1307.9	1392.6	1448.2	1576.3	1696.6	1821.2	1960.1	2015.6	2022.0
10°	1076.5	1122.1	1179.7	1268.7	1338.5	1472.4	1627.6	1782.1	1844.0	1854.7
12.5°	945.5	1003.9	1080.8	1144.9	1211.8	1328.5	1477.3	1668.1	1748.6	1797.0
15°	819.5	880.0	964.7	1053.7	1112.8	1252.4	1427.5	1642.5	1747.2	1789.9
17.5°	689.9	746.1	815.9	912.0	1030.9	1187.6	1419.7	1728.0	1842.6	1892.4
20°	578.8	610.2	691.3	790.3	939.1	1121.4	1422.5	1854.0	2022.0	2044.1
22.5°	535.4	542.5	574.6	665.7	828.7	1053.7	1473.1	2032.7	2223.5	2296.1
25°	501.9	500.5	509.1	570.3	748.3	1027.4	1522.9	2197.1	2447.0	2526.1
27.5°	483.4	469.2	469.9	527.6	691.3	984.7	1587.0	2385.8	2700.5	2735.4
30°	474.2	471.3	462.8	486.3	629.4	920.6	1597.7	2571.6	2850.0	2900.6
32.5°	468.5	440.7	430.0	438.6	571.0	850.8	1637.5	2694.1	3035.1	3013.1
35°	440.0	415.1	408.0	416.5	529.7	811.6	1611.2	2800.9	3174.0	3211.0
37.5°	429.3	407.2	393.0	385.9	491.3	778.9	1597.7	2965.4	3308.5	3397.5
40°	419.4	395.9	378.8	371.6	461.4	735.5	1593.4	3092.1	3463.7	3517.1
42.5°	408.0	393.0	373.8	361.0	425.0	692.0	1544.3	3131.3	3511.4	3569.1
44°	404.4	381.6	361.7	357.4	410.8	670.0	1534.3	3166.8	3552.7	3640.3
45°	400.8	379.5	356.7	351.0	405.8	657.9	1520.8	3175.4	3621.1	3637.5
47.5°	390.9	377.3	355.3	339.6	395.1	631.5	1480.2	3127.0	3551.3	3554.2
50°	383.0	367.4	344.6	314.0	380.9	609.4	1498.7	3109.2	3383.3	3389.7
52.5°	374.5	351.0	338.2	285.5	357.4	590.9	1537.9	3189.6	3402.5	3401.1
55°	364.5	338.9	307.6	261.3	318.3	567.4	1632.6	3348.4	3580.5	3604.7
57.5°	348.9	326.8	281.9	239.9	273.4	522.6	1601.9	3044.4	3294.3	3298.6
60°	328.2	307.6	255.6	223.6	224.3	412.2	1432.5	2372.3	2599.4	2661.3
62.5°	308.3	296.9	233.5	200.1	190.8	328.2	1211.1	1971.4	2231.3	2282.6
65°	284.8	257.0	214.3	182.3	163.8	230.0	857.9	1473.1	1740.8	1809.8
67.5°	254.9	225.0	188.7	160.2	140.3	153.8	442.8	837.3	1108.5	1149.1
70°	222.8	195.1	158.8	135.3	113.2	106.1	195.1	399.4	605.9	647.9
72.5°	183.0	157.3	126.7	106.8	84.7	73.3	65.5	106.8	215.0	249.9
75°	132.4	114.6	95.4	76.2	59.8	47.0	38.4	32.0	35.6	38.4
77.5°	97.5	83.3	70.5	54.1	42.0	33.5	26.3	19.9	19.2	18.5
80°	76.2	67.6	56.2	43.4	32.8	24.9	18.5	13.5	12.1	12.1
82.5°	59.8	55.5	46.3	35.6	27.1	19.9	13.5	9.3	7.8	7.8
85°	22.8	22.8	33.5	29.2	20.6	14.2	9.3	5.0	4.3	4.3
87.5°	5.7	5.7	5.7	5.7	5.0	4.3	4.3	2.1	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)