

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: P526520

Luminaire Tested: **GALN-SA1C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526520
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-SA1C-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 4431 lumens
Efficiency: N/A
Efficacy: 77.7 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

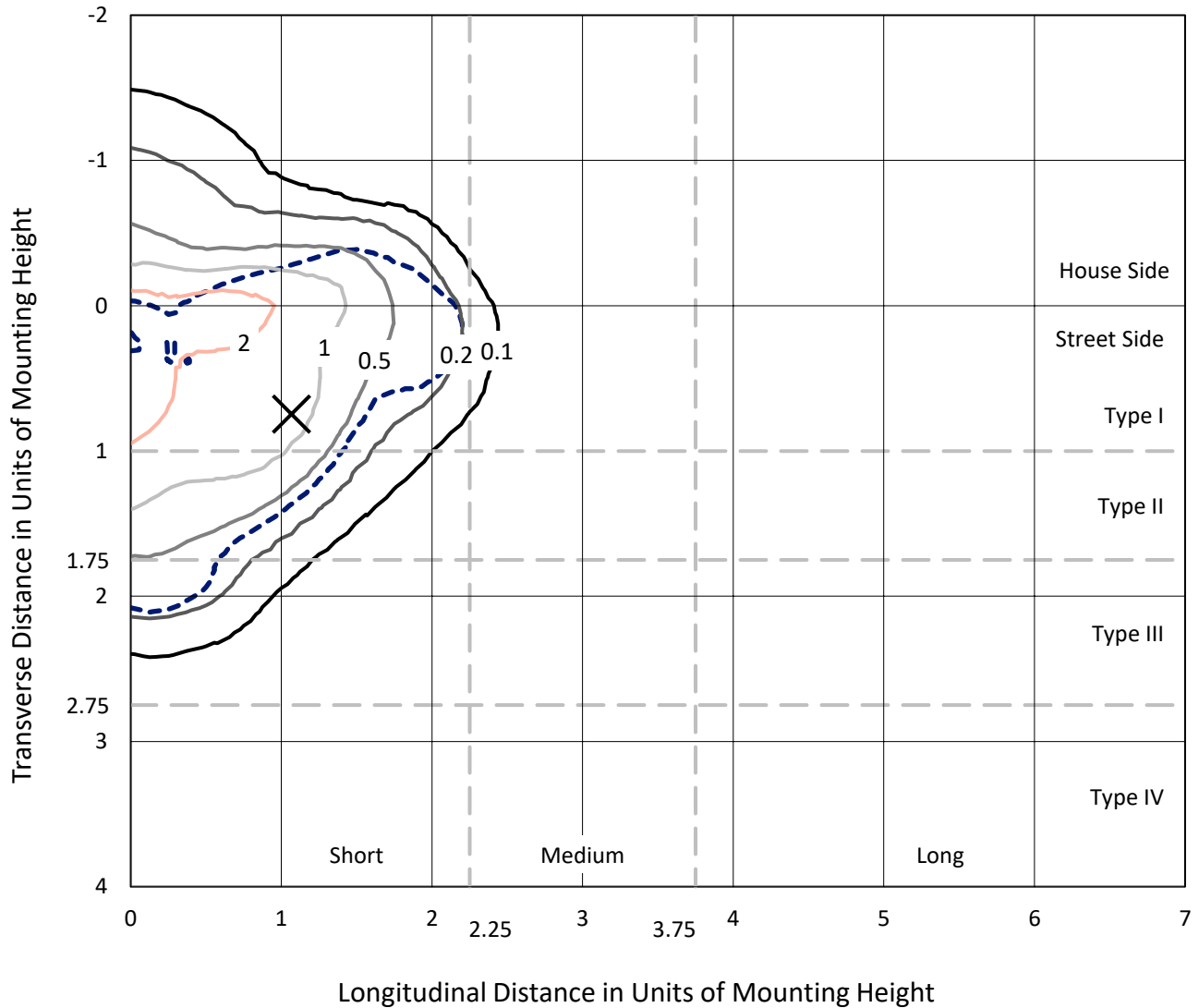
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

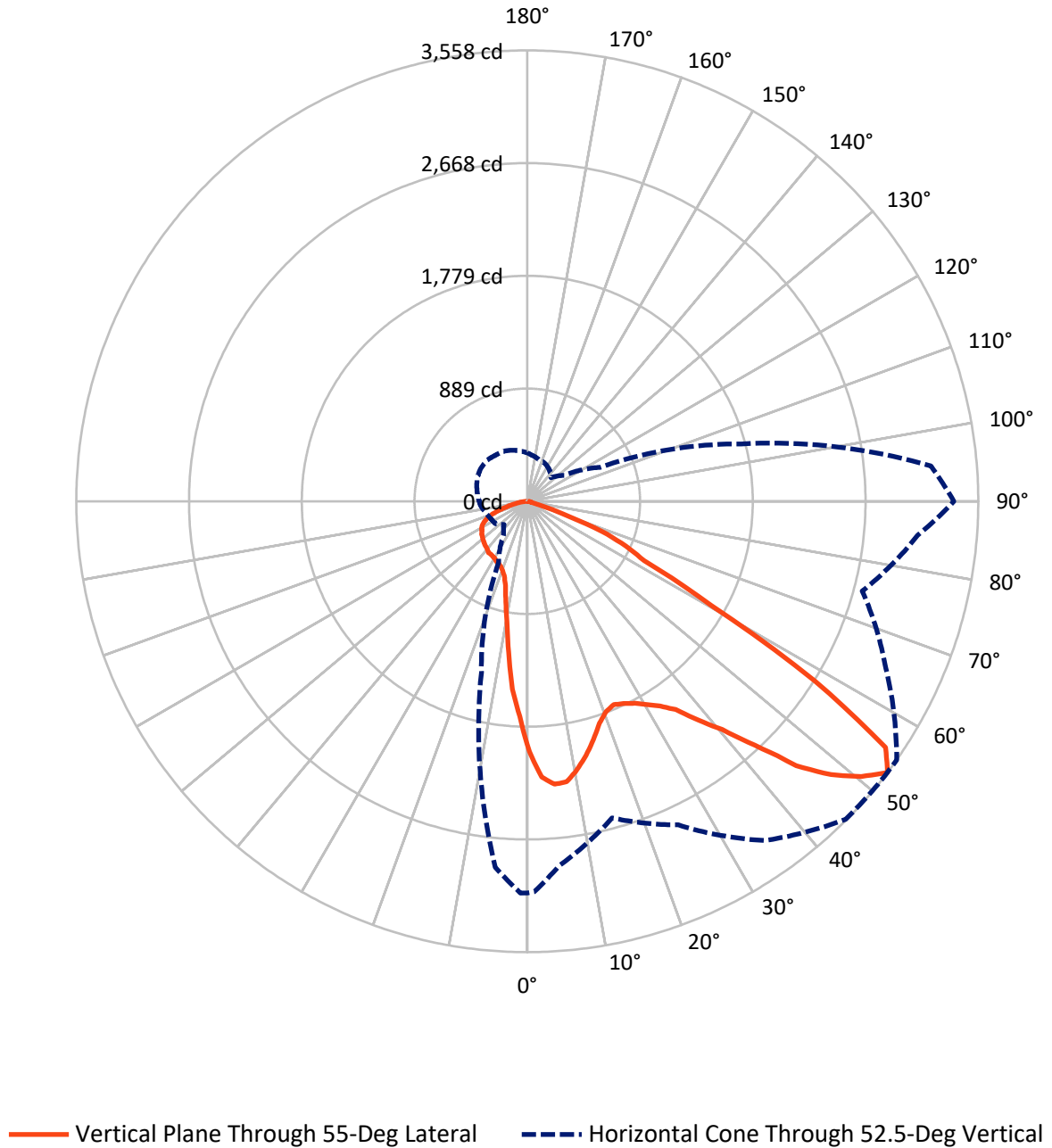
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot





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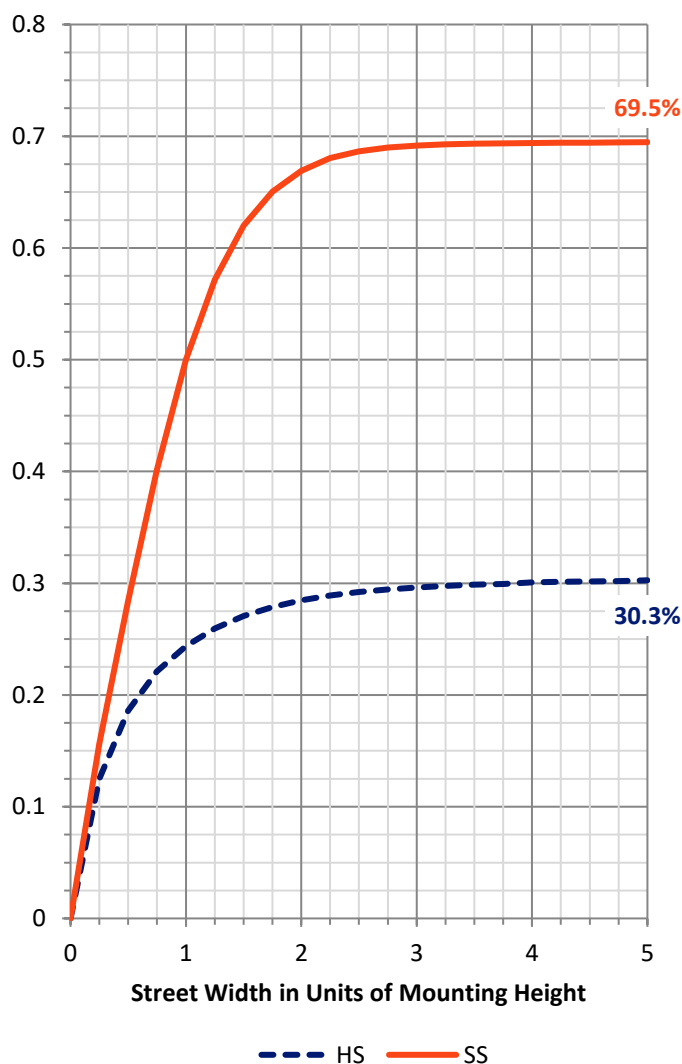
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1351.7	0.0	1351.7
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	3079.3	0.0	3079.3
	% Fixture	69.5	0.0	69.5
Total	Lumens	4431.0	0.0	4431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	3.4
10°-20°	325.6	7.3
20°-30°	493.7	11.1
30°-40°	713.3	16.1
40°-50°	953.2	21.5
50°-60°	1064.0	24.0
60°-70°	583.6	13.2
70°-80°	126.2	2.8
80°-90°	20.4	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°	4431.0	100.0
0°-180°	4431.0	100.0

Coefficient of Utilization

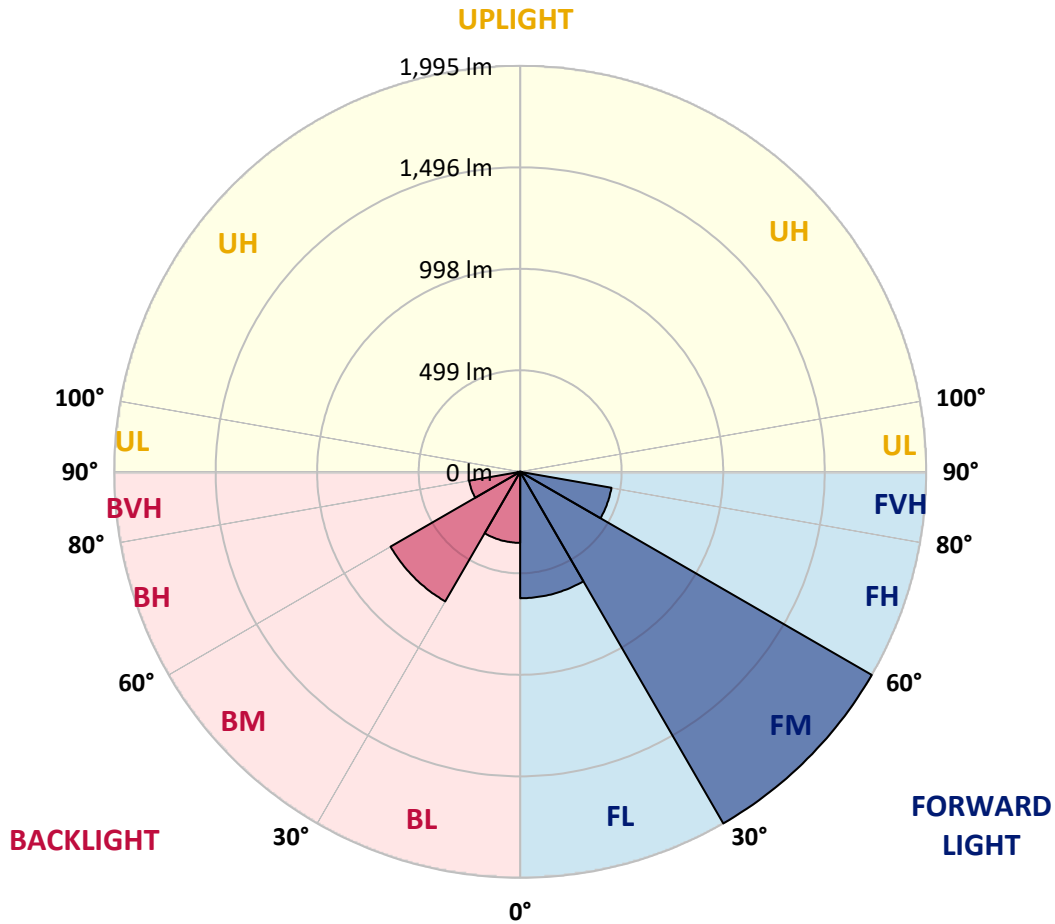


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.3	14.0			
FM (30°-60°)	1995.0	45.0			
FH (60°-80°)	455.4	10.3			G0/660
FVH (80°-90°)	7.6	0.2			G0/10
BL (0°-30°)	349.0	7.9	B1/500		
BM (30°-60°)	735.4	16.6	B1/1000		
BH (60°-80°)	254.4	5.7	B1/500		G1/500
BVH (80°-90°)	12.9	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°	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6
2.5°	2074.3	2062.6	2073.0	2122.1	2150.6	2170.0	2182.3	2180.4	2133.8	2088.5	2088.5
5°	2013.4	1998.6	2019.9	2131.2	2243.1	2252.8	2269.0	2242.5	2173.9	2091.1	1987.6
7.5°	1837.5	1848.5	1884.0	2030.3	2175.8	2249.0	2268.4	2234.7	2123.4	1968.8	1816.8
10°	1685.4	1711.3	1793.5	1951.3	2085.3	2180.4	2201.7	2154.5	2066.5	1876.9	1741.1
12.5°	1633.0	1616.8	1708.1	1865.9	1994.0	2045.2	2054.9	2058.1	1998.6	1830.3	1664.7
15°	1626.5	1636.9	1708.1	1827.8	1906.7	1909.3	1925.5	1950.7	1958.5	1862.1	1700.3
17.5°	1719.7	1707.4	1780.5	1875.6	1838.1	1800.6	1804.5	1840.7	1904.8	1889.2	1812.2
20°	1857.5	1885.3	1942.9	1933.2	1832.3	1737.2	1737.8	1772.1	1898.3	2001.8	1968.2
22.5°	2086.6	2113.7	2156.4	2039.3	1832.3	1718.4	1696.4	1743.0	1939.7	2135.7	2144.1
25°	2295.5	2345.4	2357.0	2219.2	1924.2	1735.9	1721.7	1767.6	1981.1	2266.4	2346.0
27.5°	2485.8	2503.9	2555.0	2335.0	1975.3	1747.5	1746.2	1805.1	2033.5	2331.8	2526.5
30°	2635.9	2633.9	2663.0	2408.1	2056.8	1812.9	1750.1	1861.4	2102.1	2439.8	2693.4
32.5°	2738.1	2760.1	2821.5	2509.7	2091.1	1875.0	1825.8	1927.4	2185.5	2490.9	2811.2
35°	2917.9	2956.1	2878.5	2566.0	2199.8	1936.5	1878.9	2017.3	2227.0	2546.6	2955.5
37.5°	3087.5	3058.3	2979.4	2596.4	2270.3	2050.3	1996.6	2191.4	2355.7	2667.6	3051.2
40°	3196.2	3195.5	3055.1	2621.0	2320.1	2224.4	2221.1	2368.0	2513.6	2743.9	3158.6
42.5°	3243.4	3288.7	3086.2	2618.4	2424.9	2435.3	2500.6	2632.0	2625.5	2759.4	3156.0
44°	3308.1	3335.3	3139.9	2624.2	2494.8	2577.6	2731.6	2815.1	2723.2	2751.0	3152.8
45°	3305.5	3307.4	3063.5	2632.0	2554.3	2696.7	2834.5	2975.5	2809.3	2732.9	3195.5
47.5°	3229.8	3207.8	2998.8	2574.4	2740.0	3011.1	3138.6	3224.0	2915.4	2694.1	3142.5
50°	3080.3	3055.1	2841.6	2549.8	2778.8	3206.5	3382.5	3413.5	3011.8	2655.9	3090.0
52.5°	3090.7	3083.6	2886.2	2586.7	2817.7	3268.0	3550.1	3557.8	3121.1	2736.1	3090.7
55°	3275.7	3251.1	3014.3	2632.6	2789.2	3196.2	3443.3	3429.7	3084.2	2687.6	3147.6
57.5°	2997.5	3013.7	2837.1	2450.8	2441.1	2598.3	2707.0	2673.4	2573.7	2425.6	2928.3
60°	2418.5	2464.4	2481.2	2049.7	1842.0	1761.1	1728.8	1669.2	1686.1	1992.7	2572.5
62.5°	2074.3	2071.7	2177.1	1858.2	1206.6	1037.8	1022.3	1035.8	1229.9	1961.7	2519.4
65°	1644.7	1688.7	1721.0	1574.8	955.0	770.6	769.9	856.0	1064.3	1639.5	2034.2
67.5°	1044.2	1101.8	1141.9	1007.4	638.6	548.7	533.8	637.3	737.6	1075.3	1224.8
70°	588.8	615.9	634.1	581.0	406.3	284.7	267.9	292.4	445.8	696.2	725.9
72.5°	227.1	239.4	264.0	265.9	153.3	91.9	74.4	89.3	187.6	275.6	262.7
75°	34.9	37.5	53.1	63.4	44.0	33.6	35.6	36.9	52.4	71.2	59.5
77.5°	16.8	16.8	16.2	18.8	22.0	23.9	25.9	28.5	31.1	34.3	33.0
80°	11.0	11.0	11.0	12.9	16.2	19.4	22.0	23.3	24.6	27.2	25.9
82.5°	7.1	7.1	7.1	9.7	12.9	16.2	17.5	20.7	23.3	27.2	25.2
85°	3.9	3.9	3.9	6.5	9.7	13.6	12.9	10.4	5.8	0.6	1.3
87.5°	1.3	1.3	1.3	1.3	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°	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6
2.5°	2034.2	2004.4	2001.8	1941.0	1886.6	1860.1	1838.8	1779.2	1792.2	1757.9	1757.2
5°	1935.8	1875.0	1776.6	1695.8	1614.9	1598.7	1528.2	1466.7	1468.7	1424.7	1432.4
7.5°	1759.2	1717.1	1597.4	1470.6	1363.2	1286.9	1220.2	1180.1	1129.0	1111.5	1102.5
10°	1647.2	1595.5	1460.9	1301.8	1181.4	1140.7	1076.6	1041.0	988.6	962.7	944.6
12.5°	1598.1	1522.4	1354.2	1192.4	1112.2	1070.1	1015.8	951.1	889.0	865.0	832.0
15°	1603.3	1512.7	1323.1	1148.4	1052.0	970.5	922.0	850.2	786.7	744.7	720.8
17.5°	1681.5	1571.6	1337.3	1114.8	976.3	874.1	779.0	701.3	650.9	619.2	611.4
20°	1866.6	1717.1	1361.3	1060.4	900.6	773.2	656.1	575.2	536.4	535.7	536.4
22.5°	2020.6	1872.4	1409.8	1028.1	824.9	643.8	527.3	501.4	493.7	509.8	511.8
25°	2228.2	2047.1	1493.3	1011.3	755.0	548.7	476.8	467.1	466.5	487.2	487.8
27.5°	2441.1	2199.8	1543.1	962.1	683.9	499.5	446.4	444.5	454.8	476.8	474.9
30°	2586.0	2327.9	1633.0	903.2	599.8	456.1	434.1	436.7	451.0	467.8	470.4
32.5°	2754.9	2454.1	1656.3	870.9	548.0	419.9	404.4	410.2	428.3	454.8	469.1
35°	2948.4	2543.3	1691.9	826.9	528.6	392.1	384.3	390.8	412.8	430.3	445.8
37.5°	3091.3	2701.2	1698.4	792.6	507.2	376.6	364.3	385.6	398.5	423.1	430.9
40°	3197.4	2815.7	1715.2	771.2	490.4	356.5	356.5	370.7	388.2	410.8	426.4
42.5°	3265.4	2899.2	1727.5	751.8	458.1	350.7	347.4	361.7	385.0	407.0	414.1
44°	3306.8	2934.8	1715.2	733.7	449.0	343.6	343.6	355.8	374.0	399.8	408.3
45°	3317.1	2979.4	1688.0	733.0	438.0	335.1	333.8	357.1	369.4	401.1	406.3
47.5°	3357.3	3034.4	1691.2	712.3	411.5	315.1	337.7	348.1	359.1	386.9	404.4
50°	3356.0	3068.7	1684.1	681.9	392.1	292.4	330.0	341.6	352.6	381.1	388.2
52.5°	3365.0	3196.8	1749.5	633.4	357.1	263.3	304.1	330.0	343.6	367.5	382.4
55°	3360.5	3269.9	1814.2	597.2	308.0	245.9	282.1	312.5	331.9	357.1	364.3
57.5°	3069.3	2890.1	1679.0	529.2	254.9	225.2	251.0	294.4	319.0	344.8	353.9
60°	2507.8	2227.6	1384.6	389.5	209.6	207.0	233.6	288.6	298.9	321.6	337.1
62.5°	2317.5	1953.9	1097.9	297.6	179.2	179.2	189.6	215.4	260.7	276.9	304.7
65°	1813.5	1297.9	680.0	201.2	157.9	170.2	194.7	228.4	254.9	280.8	297.6
67.5°	1074.0	709.1	336.4	141.0	137.8	150.7	176.0	201.2	231.6	260.1	268.5
70°	584.9	348.7	143.6	107.4	117.1	128.8	153.3	170.8	199.9	221.9	236.2
72.5°	187.6	106.1	71.8	79.6	89.3	102.9	117.8	139.1	159.8	172.7	184.4
75°	45.3	44.6	51.1	55.6	64.7	75.1	87.3	98.3	114.5	126.8	137.2
77.5°	31.7	34.3	39.5	45.9	49.2	53.1	60.8	69.2	76.3	85.4	91.9
80°	24.6	26.5	30.4	33.6	36.9	40.1	44.0	47.2	51.8	57.6	60.8
82.5°	23.3	24.6	28.5	30.4	29.1	28.5	31.1	32.3	33.0	34.9	36.9
85°	1.9	0.0	1.3	4.5	11.0	16.2	17.5	17.5	16.8	18.1	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.6	1.9
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°	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6
2.5°	1749.5	1727.5	1735.9	1746.2	1731.4	1697.1	1706.1	1702.2	1737.2	1734.6	1769.5
5°	1466.7	1432.4	1436.3	1486.8	1470.6	1488.1	1453.2	1448.6	1455.1	1458.3	1464.1
7.5°	1122.5	1118.0	1156.8	1199.5	1219.6	1198.9	1164.6	1156.8	1149.7	1135.5	1167.8
10°	916.1	917.4	914.9	947.2	969.8	965.3	944.6	942.0	928.4	923.3	941.4
12.5°	817.8	800.3	791.9	781.6	799.0	810.7	801.6	795.2	795.8	802.3	804.9
15°	722.7	711.7	693.6	681.9	690.3	684.5	681.3	694.2	691.0	689.7	705.2
17.5°	615.9	625.0	623.7	610.8	621.8	617.2	616.6	607.5	595.2	586.2	591.4
20°	545.4	562.2	575.2	575.8	581.6	581.0	571.3	543.5	534.4	532.5	533.8
22.5°	520.2	529.2	544.8	566.8	566.8	556.4	544.8	512.4	504.0	495.0	491.1
25°	500.1	517.6	537.7	540.2	550.6	540.9	522.1	505.9	488.5	476.2	476.2
27.5°	489.8	509.2	524.1	528.6	542.8	535.1	515.7	495.0	474.2	473.6	462.6
30°	485.2	503.4	513.1	524.1	530.5	518.2	512.4	490.4	469.7	464.5	446.4
32.5°	471.7	497.5	515.7	513.1	518.2	513.1	504.7	486.5	463.2	451.6	449.7
35°	456.1	482.0	501.4	515.0	518.2	507.2	502.1	477.5	445.8	440.0	419.9
37.5°	447.7	463.2	487.2	509.2	513.7	507.9	490.4	465.2	433.5	427.0	409.5
40°	437.4	457.4	476.2	494.3	507.9	493.7	473.6	449.0	434.8	415.4	410.2
42.5°	429.6	452.2	467.8	487.8	503.4	484.6	461.3	444.5	424.4	411.5	396.6
44°	427.0	447.7	458.1	482.7	495.6	481.4	462.0	444.5	421.2	409.5	396.6
45°	418.0	446.4	457.4	479.4	490.4	478.8	454.2	436.7	419.9	405.7	392.1
47.5°	408.9	428.3	447.1	464.5	472.3	468.4	447.7	426.4	406.3	397.9	385.0
50°	406.3	425.7	443.2	459.4	468.4	460.7	441.9	421.2	397.9	384.3	373.3
52.5°	393.4	417.3	436.7	441.9	453.5	449.0	434.8	412.1	390.1	378.5	369.4
55°	374.6	399.8	426.4	432.8	449.7	442.5	421.2	399.8	381.1	363.6	352.0
57.5°	367.5	392.1	418.0	426.4	436.7	425.1	419.9	397.3	367.5	358.4	340.3
60°	349.4	380.4	401.8	421.2	421.8	418.6	409.5	383.7	359.1	342.3	329.3
62.5°	335.1	364.3	381.1	399.2	410.2	401.1	392.1	368.1	341.6	322.9	308.0
65°	314.4	341.0	355.2	366.2	378.5	377.2	361.7	344.2	316.4	301.5	287.3
67.5°	282.7	306.0	325.4	335.8	343.6	341.6	330.0	317.7	289.2	274.3	264.0
70°	244.6	268.5	280.8	286.6	294.4	298.3	289.2	283.4	258.2	238.7	229.0
72.5°	196.7	212.2	230.3	235.5	238.7	241.3	241.3	236.2	210.3	202.5	185.7
75°	144.9	157.2	170.8	170.8	176.6	177.3	178.6	175.3	155.9	145.6	141.7
77.5°	98.3	107.4	118.4	122.9	126.8	126.2	125.5	116.5	106.1	101.6	97.7
80°	64.1	73.1	78.3	84.1	88.0	87.3	88.6	82.2	77.6	69.9	71.2
82.5°	38.2	45.3	50.5	57.6	57.6	59.5	59.5	57.6	53.1	49.2	49.2
85°	18.1	23.9	27.2	31.7	34.3	34.9	31.1	26.5	22.0	20.1	22.0
87.5°	3.2	4.5	6.5	5.8	7.1	6.5	6.5	6.5	6.5	5.2	5.8
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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CATALOG NUMBER: GALN-SA1C-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6	1976.6
2.5°	1756.6	1788.9	1811.6	1849.1	1913.8	1965.6	2018.6	2058.1	2062.6	2074.3
5°	1485.5	1503.0	1560.6	1635.6	1688.7	1776.0	1832.3	1934.5	1972.7	2013.4
7.5°	1160.1	1188.5	1265.5	1316.0	1432.4	1541.8	1655.0	1781.2	1831.6	1837.5
10°	978.3	1019.7	1072.1	1152.9	1216.4	1338.0	1479.0	1619.4	1675.7	1685.4
12.5°	859.2	912.3	982.1	1040.4	1101.2	1207.3	1342.5	1515.9	1589.0	1633.0
15°	744.7	799.7	876.7	957.6	1011.3	1138.1	1297.2	1492.6	1587.7	1626.5
17.5°	626.9	678.1	741.5	828.8	936.8	1079.2	1290.1	1570.3	1674.4	1719.7
20°	526.0	554.5	628.2	718.2	853.4	1019.0	1292.7	1684.8	1837.5	1857.5
22.5°	486.5	493.0	522.1	604.9	753.1	957.6	1338.6	1847.2	2020.6	2086.6
25°	456.1	454.8	462.6	518.2	680.0	933.6	1383.9	1996.6	2223.7	2295.5
27.5°	439.3	426.4	427.0	479.4	628.2	894.8	1442.2	2168.1	2454.1	2485.8
30°	430.9	428.3	420.5	441.9	571.9	836.6	1451.9	2336.9	2589.9	2635.9
32.5°	425.7	400.5	390.8	398.5	518.9	773.2	1488.1	2448.2	2758.1	2738.1
35°	399.8	377.2	370.7	378.5	481.4	737.6	1464.1	2545.3	2884.3	2917.9
37.5°	390.1	370.1	357.1	350.7	446.4	707.8	1451.9	2694.7	3006.6	3087.5
40°	381.1	359.7	344.2	337.7	419.3	668.3	1448.0	2809.9	3147.6	3196.2
42.5°	370.7	357.1	339.7	328.0	386.3	628.9	1403.3	2845.5	3191.0	3243.4
44°	367.5	346.8	328.7	324.8	373.3	608.8	1394.3	2877.8	3228.5	3308.1
45°	364.3	344.8	324.1	319.0	368.8	597.8	1382.0	2885.6	3290.6	3305.5
47.5°	355.2	342.9	322.9	308.6	359.1	573.9	1345.1	2841.6	3227.2	3229.8
50°	348.1	333.8	313.1	285.3	346.1	553.8	1361.9	2825.4	3074.5	3080.3
52.5°	340.3	319.0	307.3	259.4	324.8	537.0	1397.5	2898.5	3092.0	3090.7
55°	331.3	308.0	279.5	237.4	289.2	515.7	1483.6	3042.8	3253.7	3275.7
57.5°	317.0	297.0	256.2	218.0	248.4	474.9	1455.7	2766.5	2993.6	2997.5
60°	298.3	279.5	232.3	203.2	203.8	374.6	1301.8	2155.8	2362.2	2418.5
62.5°	280.1	269.8	212.2	181.8	173.4	298.3	1100.5	1791.5	2027.7	2074.3
65°	258.8	233.6	194.7	165.6	148.8	209.0	779.6	1338.6	1581.9	1644.7
67.5°	231.6	204.5	171.5	145.6	127.5	139.8	402.4	760.9	1007.4	1044.2
70°	202.5	177.3	144.3	122.9	102.9	96.4	177.3	363.0	550.6	588.8
72.5°	166.3	143.0	115.2	97.0	77.0	66.6	59.5	97.0	195.4	227.1
75°	120.3	104.2	86.7	69.2	54.3	42.7	34.9	29.1	32.3	34.9
77.5°	88.6	75.7	64.1	49.2	38.2	30.4	23.9	18.1	17.5	16.8
80°	69.2	61.5	51.1	39.5	29.8	22.6	16.8	12.3	11.0	11.0
82.5°	54.3	50.5	42.1	32.3	24.6	18.1	12.3	8.4	7.1	7.1
85°	20.7	20.7	30.4	26.5	18.8	12.9	8.4	4.5	3.9	3.9
87.5°	5.2	5.2	5.2	5.2	4.5	3.9	3.9	1.9	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)