

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: P526756

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526756
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-SA1D-727-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 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 III - Short
BUG Rating: B1 - U0 - G1

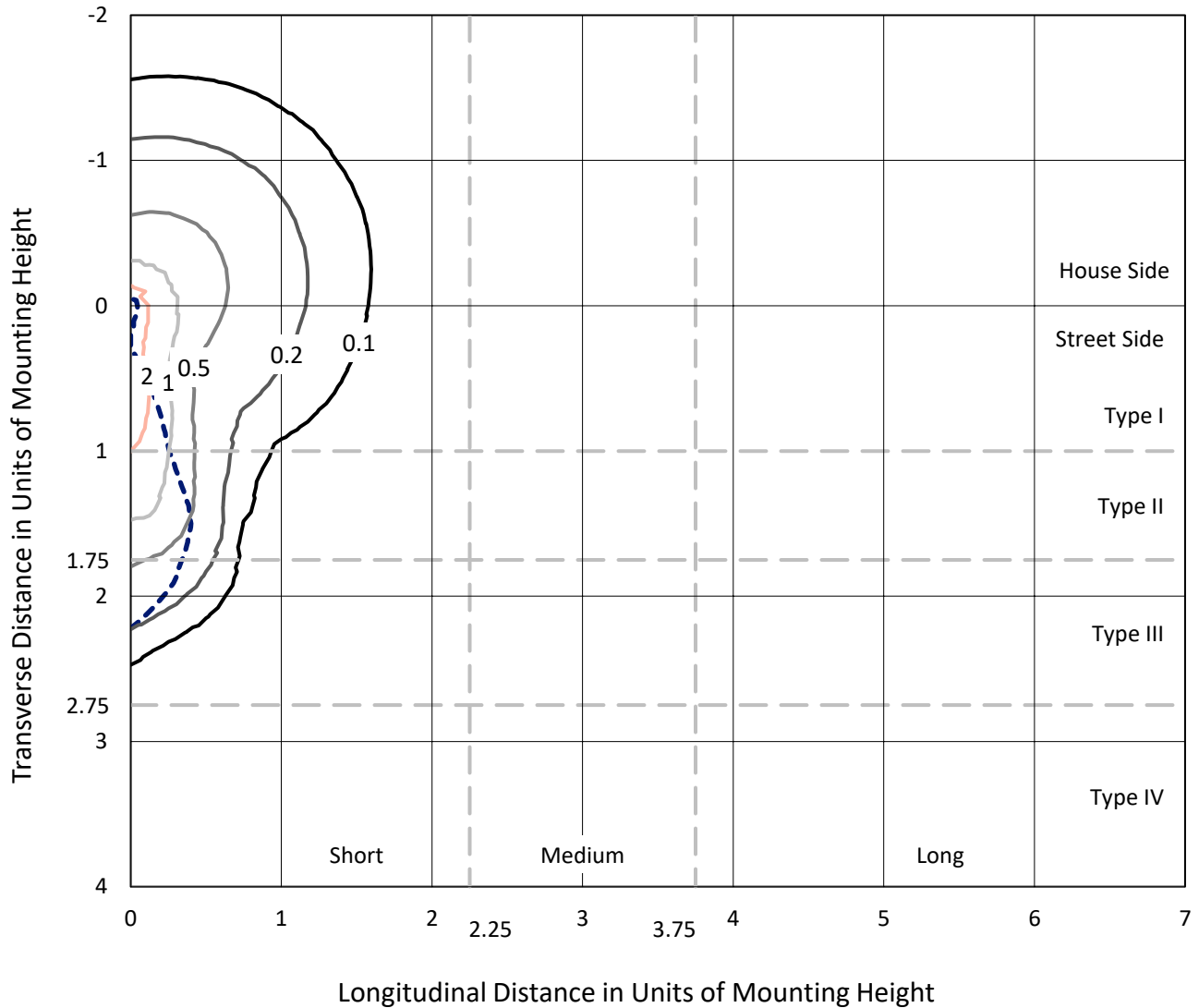
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

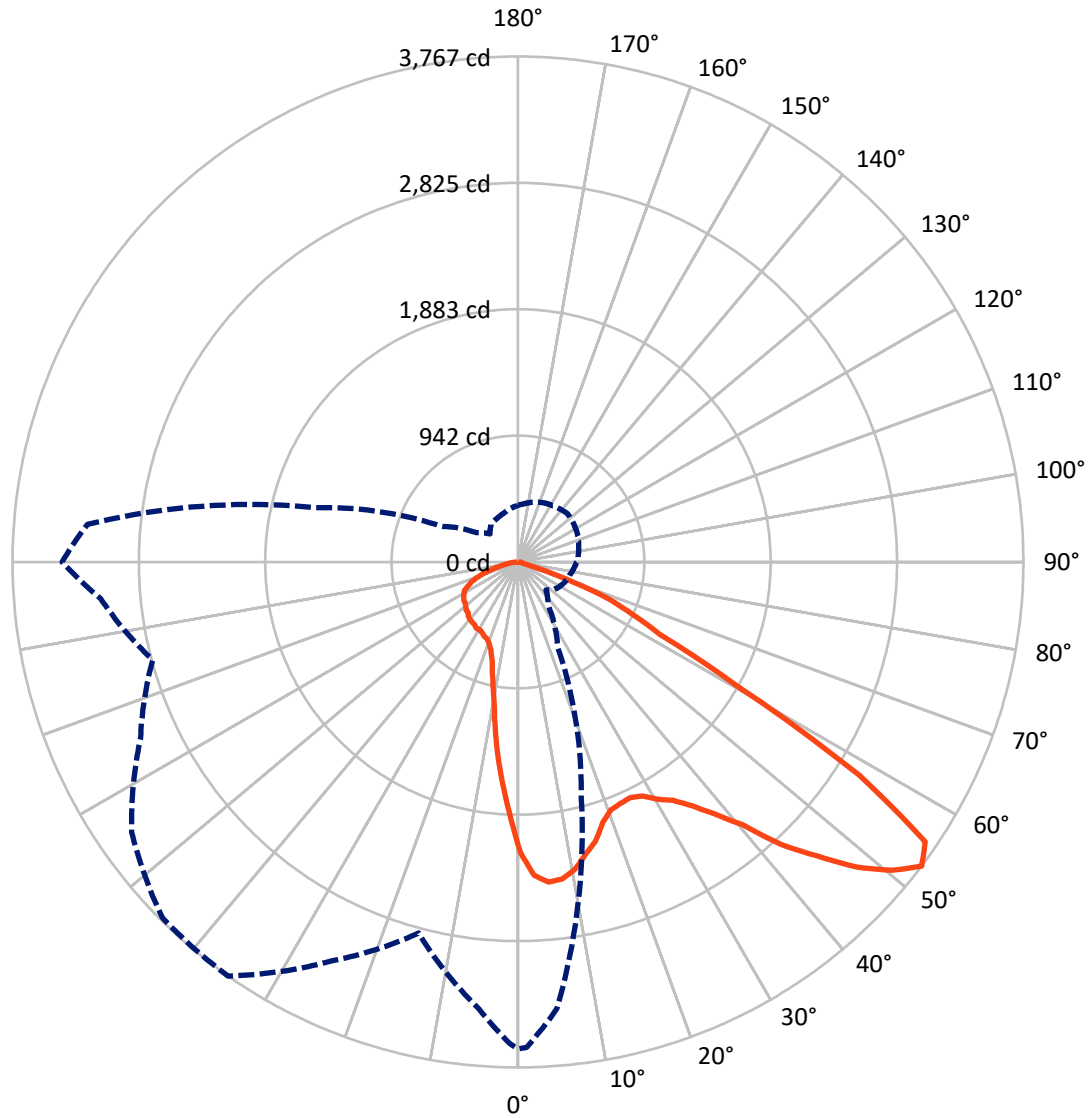
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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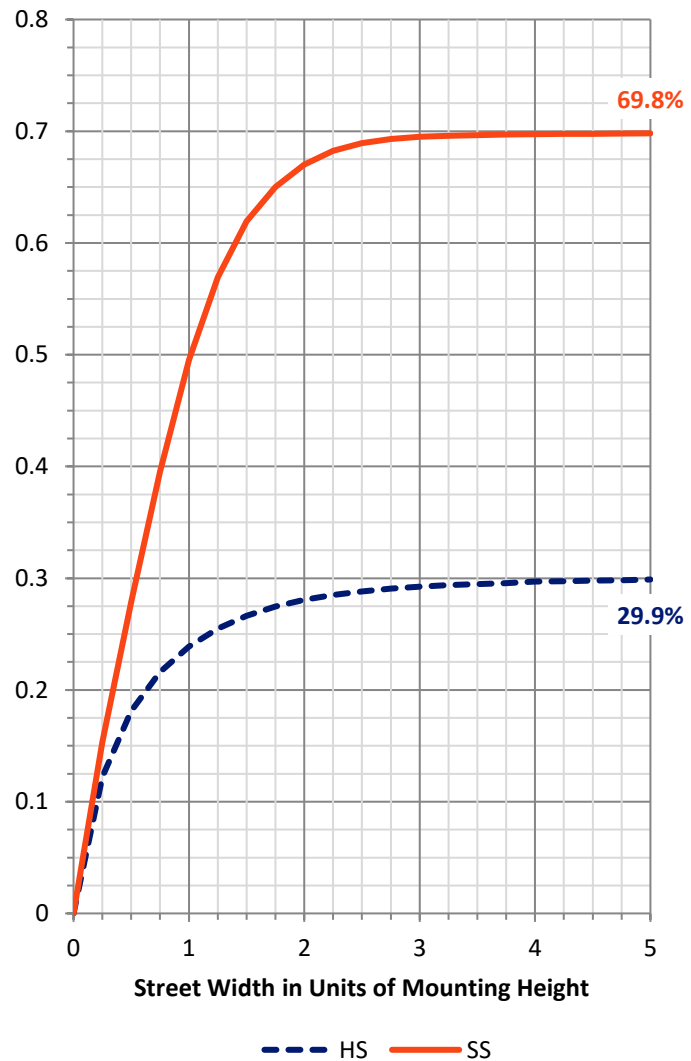
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1469.9	0.0	1469.9
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	3406.1	0.0	3406.1
	% Fixture	69.9	0.0	69.9
Total	Lumens	4876.0	0.0	4876.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	3.4
10°-20°	357.9	7.3
20°-30°	540.8	11.1
30°-40°	781.4	16.0
40°-50°	1039.9	21.3
50°-60°	1163.2	23.9
60°-70°	655.6	13.4
70°-80°	146.1	3.0
80°-90°	26.0	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



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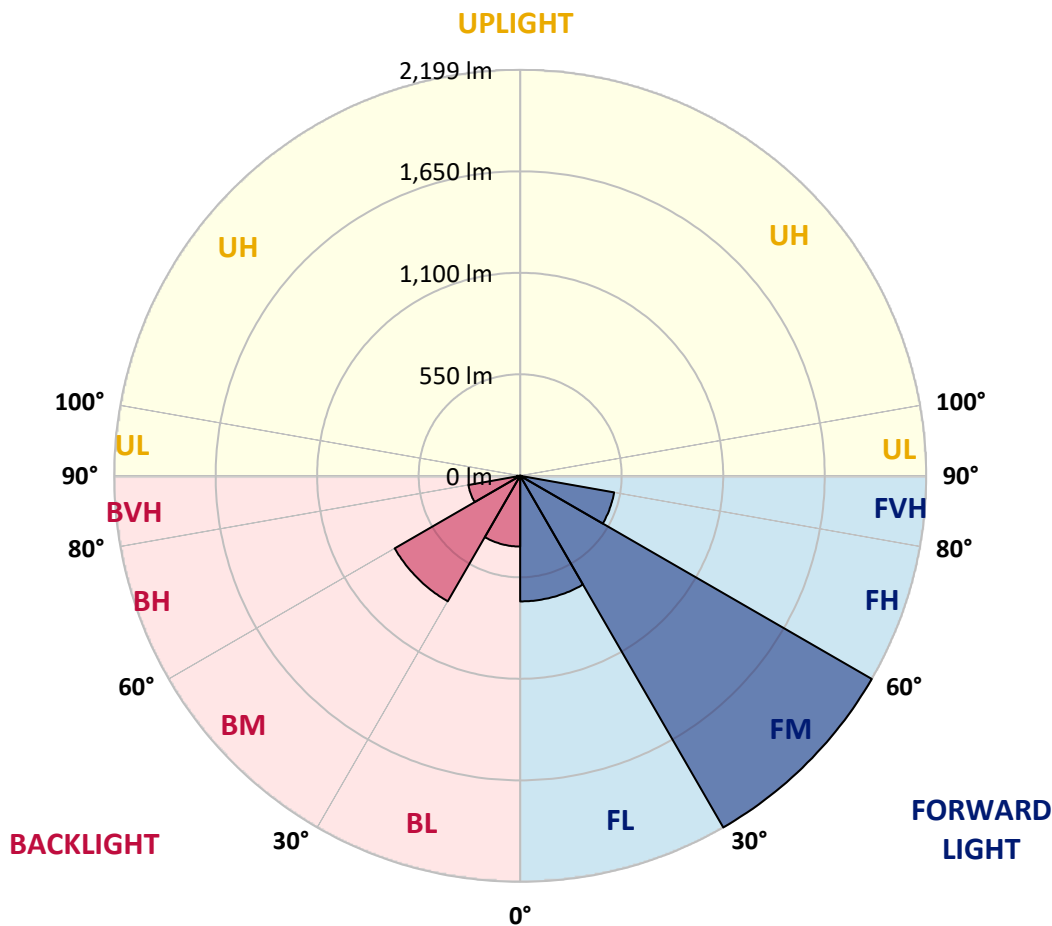
CATALOG NUMBER: GALN-SA1D-727-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	680.4	14.0			
FM (30°-60°)	2199.4	45.1			
FH (60°-80°)	516.8	10.6			G0/660
FVH (80°-90°)	9.4	0.2			G0/10
BL (0°-30°)	383.3	7.9	B1/500		
BM (30°-60°)	785.1	16.1	B1/1000		
BH (60°-80°)	284.9	5.8	B1/500		G1/500
BVH (80°-90°)	16.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0
2.5°	2200.0	2235.4	2197.2	2129.4	2081.3	2037.5	1991.6	1982.4	1922.3	1911.7	1867.9
5°	2075.0	2067.2	2020.5	1931.5	1833.3	1744.2	1678.5	1614.9	1571.8	1521.6	1518.1
7.5°	1923.0	1877.8	1850.9	1715.9	1594.4	1454.4	1394.4	1297.6	1267.2	1221.9	1198.6
10°	1787.3	1754.1	1691.2	1556.2	1386.6	1294.0	1229.7	1177.4	1142.1	1095.4	1036.8
12.5°	1720.2	1706.7	1636.1	1426.9	1301.1	1202.1	1156.9	1106.0	1046.0	971.0	942.1
15°	1732.2	1687.0	1633.2	1402.1	1228.3	1132.9	1060.8	997.2	920.2	848.8	807.1
17.5°	1821.9	1787.3	1679.9	1417.7	1200.7	1062.9	932.2	838.2	768.9	704.6	675.6
20°	1998.6	1948.4	1827.6	1437.5	1141.4	965.4	815.6	699.7	625.5	591.5	581.6
22.5°	2194.4	2164.7	1971.8	1482.0	1094.0	874.9	691.9	576.0	548.4	539.2	557.6
25°	2432.6	2355.5	2195.8	1554.8	1057.3	797.9	587.3	523.0	508.8	518.0	539.2
27.5°	2613.5	2593.0	2352.7	1623.4	1007.1	705.3	528.6	486.2	490.5	499.7	519.4
30°	2828.3	2724.4	2504.6	1670.7	961.9	641.7	487.6	476.3	480.6	496.1	506.0
32.5°	2957.7	2918.8	2600.0	1742.1	909.6	586.6	455.8	445.2	451.6	474.9	498.2
35°	3122.3	3045.3	2718.1	1760.5	872.8	564.7	433.2	425.4	440.3	456.5	482.7
37.5°	3314.6	3261.5	2881.3	1747.7	853.0	542.1	414.1	410.6	421.2	443.8	474.2
40°	3428.3	3412.1	2966.8	1755.5	821.9	522.3	392.2	396.5	418.4	436.1	465.7
42.5°	3537.9	3431.9	3093.3	1752.7	802.1	495.4	394.4	389.4	406.4	426.9	455.1
45°	3561.9	3456.6	3123.0	1732.9	778.1	469.3	378.1	380.2	400.7	426.2	444.5
47.5°	3546.4	3468.6	3178.2	1727.2	755.5	450.9	354.1	379.5	391.5	412.0	438.2
50°	3535.8	3531.5	3224.8	1754.1	725.1	421.9	325.1	370.3	382.3	402.8	431.1
52.5°	3629.0	3619.9	3341.4	1824.8	701.1	390.8	295.4	347.0	376.0	395.8	423.3
55°	3685.6	3645.3	3541.4	1911.7	660.8	349.8	274.9	318.0	360.4	378.1	406.4
57.5°	3315.3	3287.7	3203.6	1784.5	592.9	296.1	249.5	288.3	339.2	366.8	395.8
60°	2758.4	2715.2	2499.7	1516.6	437.5	230.4	233.9	265.0	333.6	344.2	378.1
62.5°	2600.8	2494.0	2200.7	1220.5	335.7	197.9	209.9	243.8	303.9	321.6	355.5
65°	2063.6	1984.5	1574.6	881.3	224.7	171.7	191.5	219.8	262.2	296.8	327.9
67.5°	1291.9	1216.3	840.3	417.0	156.9	147.0	171.0	200.7	235.3	266.4	301.1
70°	674.9	592.2	388.0	150.5	108.1	120.1	142.8	171.0	205.0	230.4	257.2
72.5°	251.6	204.2	126.5	65.0	74.9	91.9	115.9	136.4	160.4	191.5	206.4
75°	38.9	33.2	32.5	39.6	50.9	66.4	82.7	103.2	124.4	144.2	154.1
77.5°	18.4	17.7	19.8	26.1	33.9	47.4	60.1	79.9	96.8	109.5	115.2
80°	12.0	11.3	12.7	17.7	25.4	35.3	48.1	61.5	77.0	87.6	86.2
82.5°	7.1	7.8	7.8	12.0	17.7	25.4	34.6	46.6	57.2	66.4	60.8
85°	4.2	3.5	3.5	7.1	12.0	20.5	29.0	19.8	20.5	20.5	23.3
87.5°	1.4	1.4	1.4	0.7	1.4	1.4	2.1	3.5	4.2	4.9	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0
2.5°	1866.5	1888.4	1880.6	1853.0	1874.2	1877.8	1863.6	1912.4	1921.6	1906.8	1911.0
5°	1513.1	1518.8	1531.5	1558.3	1577.4	1600.0	1600.0	1601.4	1582.4	1630.4	1616.3
7.5°	1178.8	1182.4	1197.2	1254.4	1270.7	1313.8	1332.2	1319.5	1281.3	1265.0	1278.5
10°	1017.7	997.2	992.2	999.3	1036.1	1054.4	1070.0	1065.7	1059.4	1046.7	1032.5
12.5°	910.3	895.4	883.4	866.4	868.6	886.2	898.3	888.4	891.2	894.0	898.3
15°	793.7	783.1	776.7	751.3	748.4	760.4	764.7	770.3	780.9	781.6	776.7
17.5°	670.0	660.8	674.9	689.1	679.2	679.9	687.6	692.6	689.8	677.0	670.7
20°	585.2	595.1	609.2	622.6	633.2	639.6	642.4	634.6	625.5	599.3	598.6
22.5°	560.4	573.2	585.2	605.7	615.6	631.8	617.0	599.3	586.6	573.9	559.0
25°	542.1	552.7	576.7	584.5	603.5	617.0	606.4	588.7	566.8	548.4	537.1
27.5°	528.6	540.6	556.2	577.4	592.2	600.0	589.4	582.3	559.7	537.8	521.6
30°	520.2	532.9	561.1	578.8	591.5	597.9	579.5	571.0	554.8	536.4	522.3
32.5°	514.5	525.8	549.8	572.4	580.9	580.9	583.8	573.9	551.2	520.2	508.1
35°	496.1	511.7	531.5	557.6	573.2	582.3	568.2	556.9	542.1	510.3	488.3
37.5°	485.5	496.1	521.6	546.3	559.7	569.6	564.0	544.2	524.4	498.2	480.6
40°	474.2	491.2	513.8	537.1	552.0	561.8	557.6	534.3	510.3	485.5	473.5
42.5°	466.4	477.7	501.1	527.2	544.9	564.0	551.2	522.3	505.3	471.4	458.0
45°	460.1	478.5	503.2	513.8	532.2	552.0	529.3	511.7	491.9	467.1	455.8
47.5°	452.3	469.3	485.5	513.8	522.3	531.5	527.2	498.9	482.0	455.1	447.4
50°	449.5	455.8	485.5	501.1	513.1	522.3	511.0	489.8	473.5	445.9	429.0
52.5°	438.2	450.2	469.3	489.8	504.6	515.9	497.5	484.1	462.2	433.2	422.6
55°	424.0	431.1	465.0	486.2	494.0	501.8	494.7	472.8	450.2	420.5	409.9
57.5°	405.7	421.9	449.5	479.2	489.1	493.3	482.0	464.3	436.1	409.9	392.9
60°	386.6	403.5	433.9	458.0	467.9	483.4	466.4	455.8	423.3	394.4	376.0
62.5°	367.5	386.6	409.2	439.6	448.1	454.4	450.2	435.3	409.2	376.7	354.1
65°	344.9	359.0	387.3	402.8	408.5	423.3	408.5	402.8	379.5	348.4	329.3
67.5°	311.0	323.0	347.7	362.6	366.8	373.2	372.4	366.1	339.9	318.7	301.8
70°	272.1	282.7	298.2	315.9	318.0	325.8	318.7	317.3	300.4	271.4	262.2
72.5°	218.4	228.3	248.8	256.5	257.2	260.1	256.5	251.6	247.4	217.0	207.8
75°	167.5	173.1	183.0	190.1	190.1	193.6	191.5	186.6	175.3	156.2	147.0
77.5°	116.6	122.3	135.0	139.2	138.5	139.9	133.6	128.6	111.7	101.8	94.0
80°	84.8	88.3	94.7	97.5	98.2	100.4	92.6	88.3	78.4	67.1	63.6
82.5°	61.5	63.6	64.3	67.8	67.8	64.3	62.2	58.0	50.9	43.8	41.0
85°	25.4	26.1	26.9	31.1	31.8	38.2	35.3	33.2	29.0	24.7	22.6
87.5°	6.4	7.1	9.2	7.8	9.2	9.2	9.9	11.3	11.3	9.2	9.2
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°	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0
2.5°	1927.2	1932.9	2005.0	2014.2	2049.5	2085.6	2158.3	2210.6	2253.0	2280.6	2288.4
5°	1631.1	1667.2	1700.4	1754.1	1802.9	1872.1	1952.0	2050.9	2175.3	2238.9	2264.4
7.5°	1277.1	1319.5	1367.5	1419.8	1491.2	1615.6	1722.3	1836.8	1995.8	2061.5	2161.2
10°	1042.4	1089.8	1153.4	1193.7	1279.9	1398.6	1523.0	1655.2	1807.1	1901.8	2017.0
12.5°	921.6	960.4	1019.1	1103.9	1168.2	1245.3	1337.8	1504.6	1722.3	1812.0	1891.2
15°	788.0	831.1	899.0	993.0	1070.0	1161.9	1265.7	1447.4	1679.2	1817.7	1884.8
17.5°	677.8	708.8	780.2	861.5	949.8	1050.2	1199.3	1444.6	1724.4	1901.8	2011.3
20°	601.4	605.7	644.5	713.8	833.9	964.7	1158.3	1430.4	1869.3	2046.7	2185.2
22.5°	553.4	549.1	549.8	608.5	692.6	880.6	1094.0	1478.5	2034.0	2277.1	2370.4
25°	529.3	518.0	511.0	523.7	600.0	780.9	1045.2	1542.1	2211.3	2467.2	2581.7
27.5°	516.6	496.8	482.7	484.8	540.6	730.8	1014.9	1569.6	2387.3	2732.2	2772.5
30°	511.7	486.9	466.4	459.4	496.1	660.8	949.8	1617.0	2544.9	2877.8	2912.4
32.5°	494.0	463.6	443.8	437.5	452.3	599.3	903.2	1650.9	2684.2	3036.1	3024.1
35°	473.5	448.1	423.3	411.3	421.9	559.7	865.7	1634.7	2848.1	3159.1	3152.7
37.5°	471.4	438.2	417.7	397.9	397.2	511.0	814.9	1650.2	2952.7	3379.6	3292.6
40°	453.0	431.8	405.0	388.7	379.5	486.2	765.4	1613.5	3106.1	3468.6	3383.1
42.5°	453.7	421.9	398.6	379.5	370.3	450.2	731.5	1603.6	3159.8	3613.5	3425.5
45°	442.4	411.3	391.5	368.9	364.0	422.6	699.0	1557.6	3254.5	3620.6	3372.5
47.5°	431.1	403.5	382.3	355.5	344.2	412.7	673.5	1519.5	3205.0	3554.1	3299.0
50°	423.3	391.5	371.7	352.7	320.9	395.8	640.3	1510.3	3135.7	3464.4	3162.6
52.5°	409.9	381.6	361.1	346.3	295.4	380.2	627.6	1564.0	3220.6	3397.2	3123.0
55°	397.2	368.2	342.1	313.1	274.2	339.2	592.2	1614.2	3344.2	3552.0	3302.5
57.5°	383.8	356.2	327.9	293.3	253.7	296.8	555.5	1623.4	3112.4	3282.7	3135.0
60°	366.1	330.7	309.5	264.3	231.8	245.9	440.3	1431.1	2414.2	2741.4	2746.3
62.5°	346.3	308.1	289.8	236.8	209.2	212.0	359.0	1202.8	1958.3	2269.3	2404.3
65°	320.1	283.4	261.5	219.1	192.9	183.7	262.9	881.3	1487.7	1841.0	1994.4
67.5°	286.2	251.6	224.0	190.8	172.4	157.6	179.5	496.1	878.5	1236.1	1282.7
70°	250.2	220.5	191.5	164.0	143.5	132.9	131.5	219.8	419.8	665.0	756.9
72.5°	197.2	176.0	152.7	132.2	118.7	103.2	94.0	91.2	142.1	270.7	373.9
75°	141.3	123.7	110.2	96.8	86.9	78.4	71.4	65.0	59.4	67.8	93.3
77.5°	89.0	82.7	72.1	68.6	62.9	60.8	58.0	54.4	50.2	47.4	47.4
80°	60.1	55.8	52.3	51.6	49.5	48.8	49.5	45.9	41.7	38.2	39.6
82.5°	40.3	39.6	38.9	38.2	38.9	39.6	41.0	40.3	36.7	34.6	35.3
85°	24.0	25.4	26.9	28.3	31.1	27.6	22.6	19.1	17.0	15.5	14.8
87.5°	9.2	12.7	11.3	10.6	11.3	10.6	9.9	9.2	7.8	7.1	7.1
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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CATALOG NUMBER: GALN-SA1D-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0	2164.0
2.5°	2340.0	2354.1	2366.1	2363.3	2338.6	2305.3	2291.9	2223.4	2209.2	2200.0
5°	2371.8	2453.8	2471.4	2460.8	2396.5	2315.2	2236.1	2135.7	2077.1	2075.0
7.5°	2313.1	2414.2	2446.0	2470.0	2384.5	2243.2	2107.5	1956.9	1920.2	1923.0
10°	2164.0	2325.1	2403.6	2428.3	2330.1	2207.8	2019.8	1867.2	1788.7	1787.3
12.5°	2081.3	2207.8	2229.7	2264.4	2235.4	2111.7	1968.9	1797.9	1721.6	1720.2
15°	2007.8	2091.2	2097.6	2146.3	2161.9	2078.5	1982.4	1800.0	1738.5	1732.2
17.5°	2072.1	2014.2	1990.1	1996.5	2042.4	2072.8	2060.1	1920.2	1857.3	1821.9
20°	2115.2	1985.9	1913.1	1920.2	1974.6	2085.6	2176.0	2094.0	1994.4	1998.6
22.5°	2230.4	1990.1	1876.4	1868.6	1954.8	2152.0	2306.8	2313.8	2217.7	2194.4
25°	2402.9	2038.9	1865.1	1862.9	1945.6	2223.4	2459.4	2573.9	2475.7	2432.6
27.5°	2541.4	2115.2	1900.4	1907.5	1974.6	2281.3	2589.4	2741.4	2666.5	2613.5
30°	2662.9	2194.4	1949.9	1917.4	2052.3	2311.7	2645.3	2932.2	2872.1	2828.3
32.5°	2713.1	2306.8	2028.3	1974.6	2116.6	2348.5	2761.2	3117.4	3065.8	2957.7
35°	2797.9	2369.7	2070.7	2066.5	2229.0	2436.8	2815.6	3239.6	3218.4	3122.3
37.5°	2865.8	2433.3	2221.2	2174.6	2383.1	2585.2	2903.2	3408.5	3359.8	3314.6
40°	2918.1	2547.0	2361.9	2423.4	2572.5	2720.2	2983.8	3419.1	3559.8	3428.3
42.5°	2870.0	2648.8	2593.0	2740.0	2881.3	2874.3	2993.0	3501.1	3606.4	3537.9
45°	2858.0	2821.3	2958.4	3091.9	3124.4	3002.2	2927.3	3410.7	3592.3	3561.9
47.5°	2829.0	2990.9	3229.7	3447.4	3397.9	3087.7	2848.8	3394.4	3600.8	3546.4
50°	2819.1	3027.6	3430.5	3642.5	3612.8	3161.9	2812.1	3289.8	3540.7	3535.8
52.5°	2818.4	3103.2	3513.8	3748.5	3766.9	3279.2	2862.2	3342.8	3587.3	3629.0
55°	2850.2	3079.2	3503.2	3689.8	3682.8	3226.9	2867.9	3378.2	3644.6	3685.6
57.5°	2688.4	2758.4	2891.2	3038.9	3000.8	2672.8	2561.2	3123.0	3344.9	3315.3
60°	2321.6	2102.5	1952.7	1945.6	1871.4	1768.9	2096.2	2787.3	2787.3	2758.4
62.5°	2033.3	1380.2	1185.9	1130.8	1183.8	1301.8	2021.9	2711.0	2634.0	2600.8
65°	1778.1	1053.7	857.3	841.7	933.6	1111.7	1828.3	2309.6	2173.9	2063.6
67.5°	1144.2	771.7	637.5	609.9	720.9	816.3	1217.0	1420.5	1335.0	1291.9
70°	737.8	502.5	354.8	332.9	376.0	503.2	777.4	828.3	703.9	674.9
72.5°	349.1	217.0	124.4	102.5	115.2	192.2	307.4	330.7	274.9	251.6
75°	111.0	79.9	50.9	43.8	41.7	49.5	70.7	54.4	39.6	38.9
77.5°	49.5	47.4	40.3	33.9	29.7	24.7	20.5	17.0	17.7	18.4
80°	41.0	37.5	33.2	29.7	24.7	19.1	14.8	11.3	11.3	12.0
82.5°	36.0	32.5	29.0	24.7	21.2	15.5	11.3	7.8	7.1	7.1
85°	15.5	18.4	19.8	21.2	17.0	12.7	7.8	4.9	4.2	4.2
87.5°	6.4	5.7	4.9	4.2	3.5	3.5	2.8	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

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