

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: P527926

Luminaire Tested: **GALN-SA3A-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527926  
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-SA3A-727-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 615mA 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: 8503 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

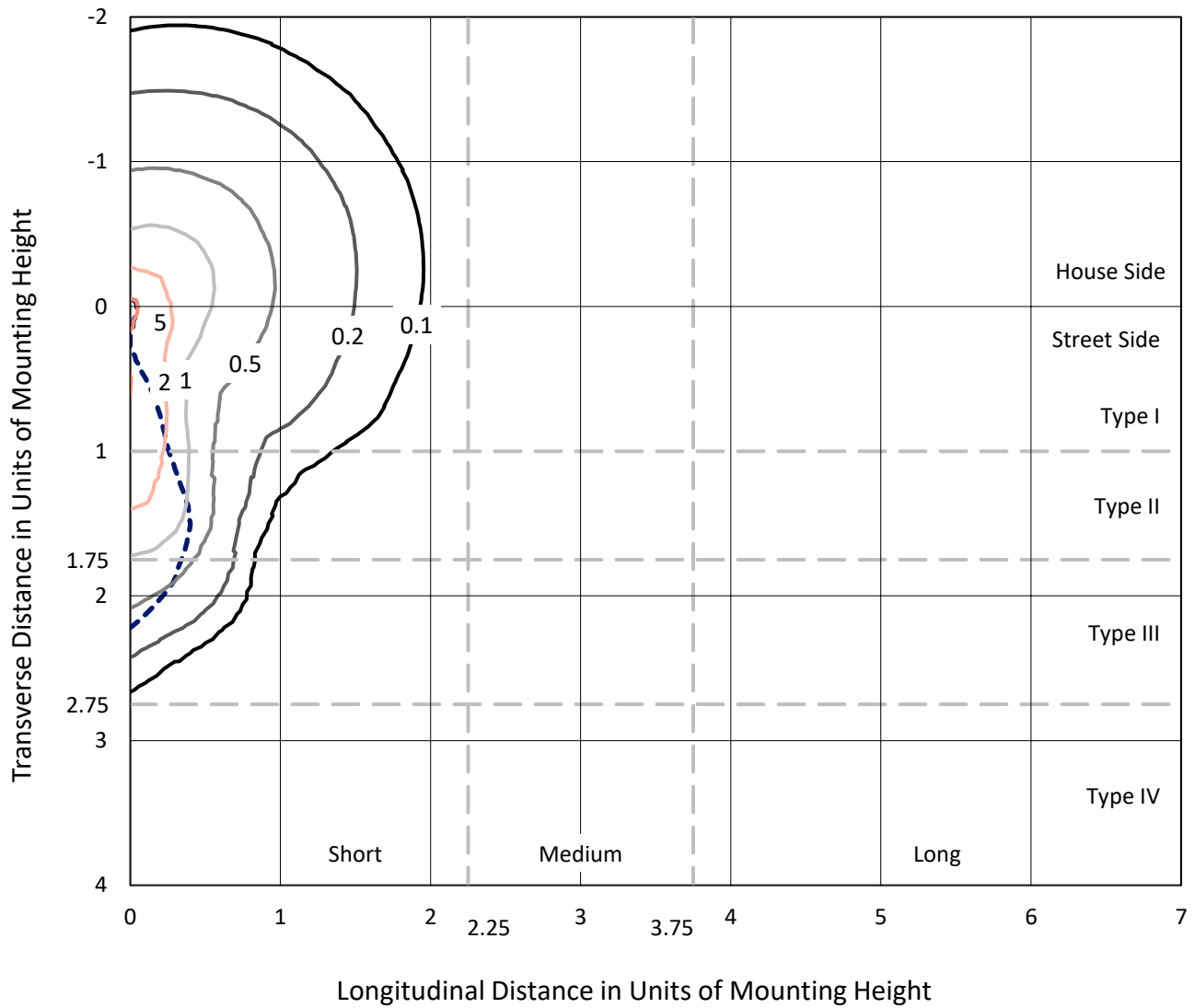
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

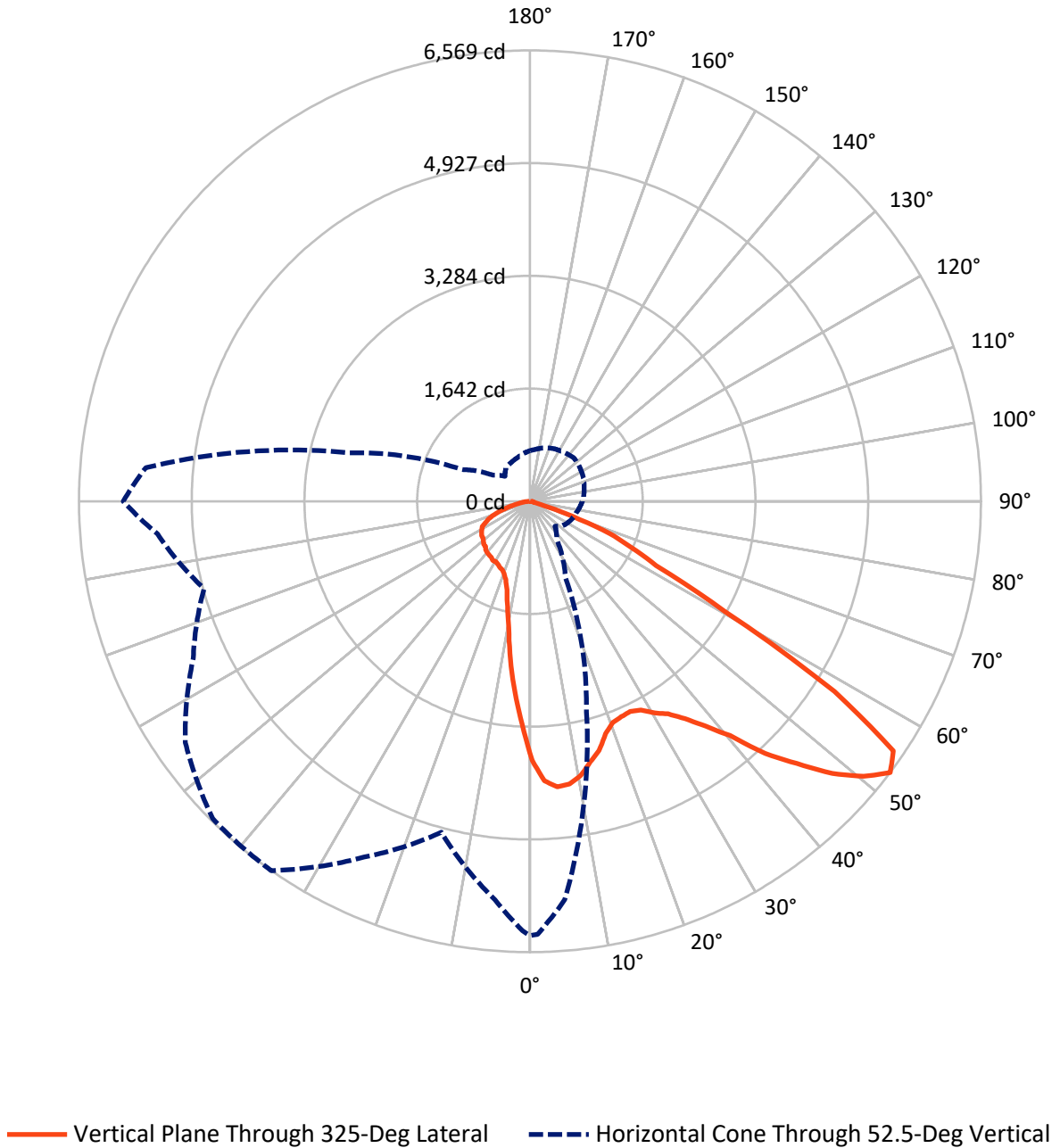
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot





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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2563.3	0.0	2563.3
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	5939.7	0.0	5939.7
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	8503.0	0.0	8503.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.9	3.4
10°-20°	624.1	7.3
20°-30°	943.0	11.1
30°-40°	1362.7	16.0
40°-50°	1813.5	21.3
50°-60°	2028.4	23.9
60°-70°	1143.2	13.4
70°-80°	254.8	3.0
80°-90°	45.4	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°	8503.0	100.0
0°-180°	8503.0	100.0

**Coefficient of Utilization**



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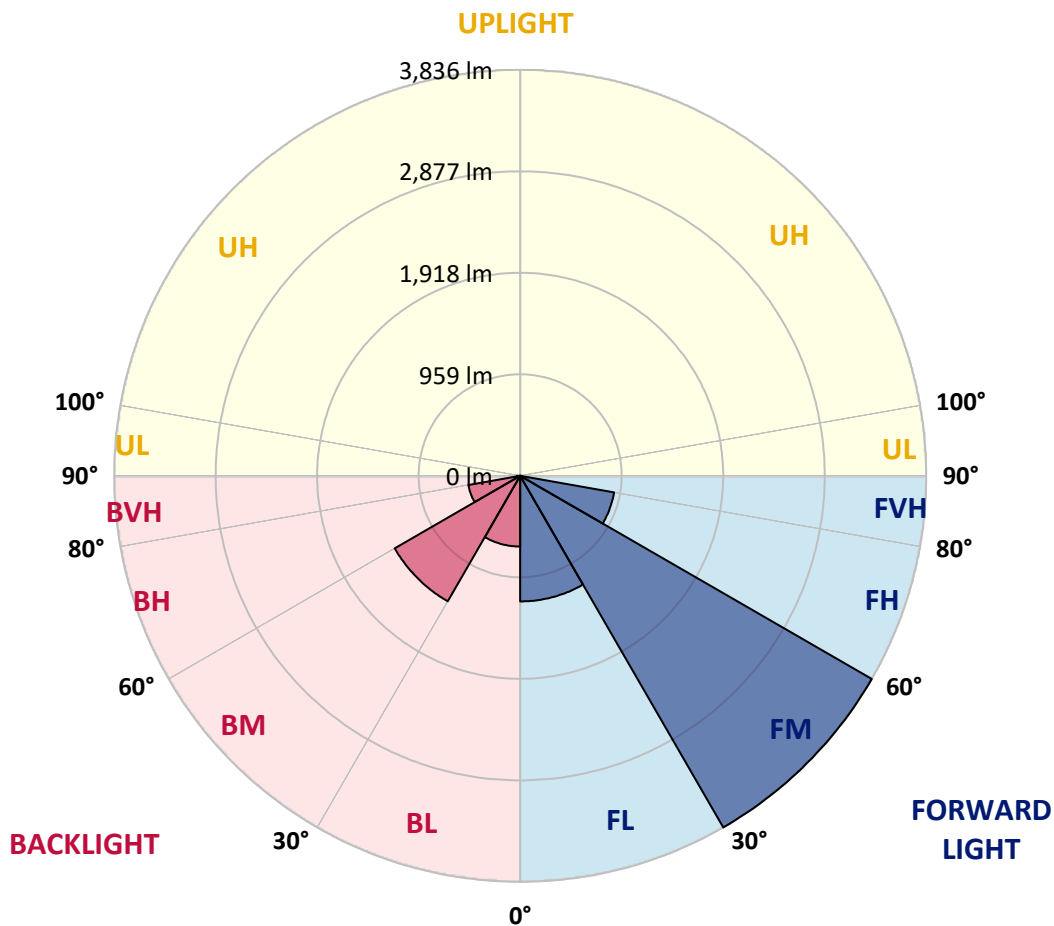
CATALOG NUMBER: GALN-SA3A-727-U-SLR-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.6	14.0			
FM (30°-60°)	3835.5	45.1			
FH (60°-80°)	901.2	10.6			G1/1800
FVH (80°-90°)	16.4	0.2			G1/100
BL (0°-30°)	668.4	7.9	B2/1000		
BM (30°-60°)	1369.1	16.1	B2/2500		
BH (60°-80°)	496.8	5.8	B1/500		G1/500
BVH (80°-90°)	28.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7
2.5°	3836.5	3898.2	3831.6	3713.3	3629.5	3553.1	3473.0	3457.0	3352.2	3333.7	3257.3
5°	3618.4	3604.8	3523.5	3368.2	3196.9	3041.6	2927.0	2816.1	2740.9	2653.4	2647.2
7.5°	3353.4	3274.6	3227.7	2992.3	2780.3	2536.3	2431.6	2262.7	2209.7	2130.9	2090.2
10°	3116.8	3058.9	2949.2	2713.8	2418.0	2256.6	2144.4	2053.2	1991.6	1910.3	1808.0
12.5°	2999.7	2976.3	2853.1	2488.3	2268.9	2096.4	2017.5	1928.7	1824.0	1693.4	1642.8
15°	3020.7	2941.8	2848.1	2445.1	2142.0	1975.6	1849.9	1739.0	1604.6	1480.1	1407.4
17.5°	3177.2	3116.8	2929.5	2472.2	2093.9	1853.6	1625.6	1461.7	1340.9	1228.7	1178.2
20°	3485.3	3397.8	3187.0	2506.8	1990.4	1683.5	1422.2	1220.1	1090.7	1031.5	1014.3
22.5°	3826.7	3774.9	3438.5	2584.4	1907.8	1525.7	1206.5	1004.4	956.4	940.3	972.4
25°	4242.0	4107.7	3829.1	2711.3	1843.7	1391.4	1024.1	912.0	887.3	903.4	940.3
27.5°	4557.5	4521.8	4102.7	2830.9	1756.2	1230.0	921.9	847.9	855.3	871.3	905.8
30°	4932.2	4751.0	4367.7	2913.5	1677.3	1119.0	850.4	830.7	838.0	865.2	882.4
32.5°	5157.7	5089.9	4534.1	3037.9	1586.1	1022.9	794.9	776.4	787.5	828.2	868.9
35°	5444.9	5310.5	4739.9	3070.0	1522.0	984.7	755.5	741.9	767.8	796.1	841.7
37.5°	5780.1	5687.6	5024.6	3047.8	1487.5	945.3	722.2	716.0	734.5	774.0	827.0
40°	5978.5	5950.1	5173.7	3061.3	1433.3	910.8	684.0	691.4	729.6	760.4	812.2
42.5°	6169.5	5984.7	5394.3	3056.4	1398.8	863.9	687.7	679.1	708.6	744.4	793.7
45°	6211.4	6027.8	5446.1	3021.9	1356.9	818.3	659.3	663.0	698.8	743.2	775.2
47.5°	6184.3	6048.7	5542.2	3012.0	1317.5	786.3	617.4	661.8	682.8	718.5	764.1
50°	6165.8	6158.4	5623.6	3058.9	1264.5	735.8	566.9	645.8	666.7	702.5	751.8
52.5°	6328.5	6312.5	5826.9	3182.1	1222.6	681.5	515.2	605.1	655.6	690.2	738.2
55°	6427.1	6356.8	6175.7	3333.7	1152.3	610.1	479.4	554.6	628.5	659.3	708.6
57.5°	5781.3	5733.2	5586.6	3111.9	1034.0	516.4	435.0	502.8	591.6	639.6	690.2
60°	4810.2	4735.0	4359.1	2644.8	762.9	401.8	407.9	462.2	581.7	600.2	659.3
62.5°	4535.3	4349.2	3837.8	2128.4	585.4	345.1	366.0	425.2	529.9	560.8	619.9
65°	3598.7	3460.6	2745.8	1536.8	391.9	299.5	334.0	383.3	457.2	517.6	571.8
67.5°	2252.9	2121.0	1465.4	727.1	273.6	256.3	298.2	350.0	410.4	464.6	525.0
70°	1177.0	1032.8	676.6	262.5	188.6	209.5	248.9	298.2	357.4	401.8	448.6
72.5°	438.7	356.2	220.6	113.4	130.6	160.2	202.1	237.9	279.8	334.0	359.9
75°	67.8	57.9	56.7	69.0	88.7	115.8	144.2	179.9	216.9	251.4	268.7
77.5°	32.0	30.8	34.5	45.6	59.2	82.6	104.8	139.3	168.8	191.0	200.9
80°	21.0	19.7	22.2	30.8	44.4	61.6	83.8	107.2	134.3	152.8	150.4
82.5°	12.3	13.6	13.6	21.0	30.8	44.4	60.4	81.3	99.8	115.8	106.0
85°	7.4	6.2	6.2	12.3	21.0	35.7	50.5	34.5	35.7	35.7	40.7
87.5°	2.5	2.5	2.5	1.2	2.5	2.5	3.7	6.2	7.4	8.6	11.1
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7
2.5°	3254.8	3293.0	3279.5	3231.4	3268.4	3274.6	3249.9	3334.9	3351.0	3325.1	3332.5
5°	2638.6	2648.5	2670.7	2717.5	2750.8	2790.2	2790.2	2792.7	2759.4	2843.2	2818.6
7.5°	2055.7	2061.8	2087.7	2187.6	2215.9	2291.1	2323.1	2300.9	2234.4	2206.0	2229.5
10°	1774.7	1739.0	1730.3	1742.6	1806.7	1838.8	1865.9	1858.5	1847.4	1825.2	1800.6
12.5°	1587.4	1561.5	1540.5	1511.0	1514.6	1545.5	1566.4	1549.2	1554.1	1559.0	1566.4
15°	1384.0	1365.5	1354.4	1310.1	1305.1	1326.1	1333.5	1343.3	1361.8	1363.1	1354.4
17.5°	1168.3	1152.3	1177.0	1201.6	1184.4	1185.6	1199.1	1207.8	1202.8	1180.7	1169.6
20°	1020.4	1037.7	1062.3	1085.8	1104.3	1115.3	1120.3	1106.7	1090.7	1045.1	1043.9
22.5°	977.3	999.5	1020.4	1056.2	1073.4	1101.8	1075.9	1045.1	1022.9	1000.7	974.8
25°	945.3	963.8	1005.7	1019.2	1052.5	1075.9	1057.4	1026.6	988.4	956.4	936.6
27.5°	921.9	942.8	969.9	1006.9	1032.8	1046.3	1027.8	1015.5	976.1	937.9	909.5
30°	907.1	929.2	978.5	1009.4	1031.5	1042.6	1010.6	995.8	967.5	935.4	910.8
32.5°	897.2	916.9	958.8	998.3	1013.1	1013.1	1018.0	1000.7	961.3	907.1	886.1
35°	865.2	892.3	926.8	972.4	999.5	1015.5	990.9	971.2	945.3	889.8	851.6
37.5°	846.7	865.2	909.5	952.7	976.1	993.3	983.5	949.0	914.5	868.9	838.0
40°	827.0	856.5	896.0	936.6	962.5	979.8	972.4	931.7	889.8	846.7	825.7
42.5°	813.4	833.1	873.8	919.4	950.2	983.5	961.3	910.8	881.2	822.0	798.6
45°	802.3	834.4	877.5	896.0	928.0	962.5	923.1	892.3	857.8	814.6	794.9
47.5°	788.8	818.3	846.7	896.0	910.8	926.8	919.4	870.1	840.5	793.7	780.1
50°	783.8	794.9	846.7	873.8	894.7	910.8	891.0	854.1	825.7	777.7	748.1
52.5°	764.1	785.1	818.3	854.1	880.0	899.7	867.6	844.2	806.0	755.5	737.0
55°	739.5	751.8	810.9	847.9	861.5	875.0	862.7	824.5	785.1	733.3	714.8
57.5°	707.4	735.8	783.8	835.6	852.8	860.2	840.5	809.7	760.4	714.8	685.2
60°	674.1	703.7	756.7	798.6	815.9	843.0	813.4	794.9	738.2	687.7	655.6
62.5°	640.9	674.1	713.6	766.6	781.4	792.4	785.1	759.2	713.6	656.9	617.4
65°	601.4	626.1	675.4	702.5	712.3	738.2	712.3	702.5	661.8	607.6	574.3
67.5°	542.3	563.2	606.4	632.2	639.6	650.7	649.5	638.4	592.8	555.8	526.2
70°	474.5	493.0	520.1	550.9	554.6	568.1	555.8	553.4	523.8	473.3	457.2
72.5°	380.8	398.1	433.8	447.4	448.6	453.5	447.4	438.7	431.3	378.4	362.3
75°	292.1	301.9	319.2	331.5	331.5	337.7	334.0	325.4	305.6	272.4	256.3
77.5°	203.4	213.2	235.4	242.8	241.6	244.0	232.9	224.3	194.7	177.5	163.9
80°	147.9	154.1	165.1	170.1	171.3	175.0	161.4	154.1	136.8	117.1	110.9
82.5°	107.2	110.9	112.2	118.3	118.3	112.2	108.5	101.1	88.7	76.4	71.5
85°	44.4	45.6	46.8	54.2	55.5	66.6	61.6	57.9	50.5	43.1	39.4
87.5°	11.1	12.3	16.0	13.6	16.0	16.0	17.3	19.7	19.7	16.0	16.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7
2.5°	3360.8	3370.7	3496.4	3512.4	3574.0	3636.9	3763.8	3855.0	3929.0	3977.0	3990.6
5°	2844.4	2907.3	2965.2	3058.9	3143.9	3264.7	3404.0	3576.5	3793.4	3904.3	3948.7
7.5°	2227.0	2300.9	2384.7	2475.9	2600.4	2817.3	3003.4	3203.1	3480.4	3595.0	3768.8
10°	1817.8	1900.4	2011.3	2081.6	2231.9	2439.0	2655.9	2886.3	3151.3	3316.5	3517.3
12.5°	1607.1	1674.9	1777.2	1925.0	2037.2	2171.5	2333.0	2623.8	3003.4	3159.9	3298.0
15°	1374.2	1449.3	1567.6	1731.6	1865.9	2026.1	2207.3	2524.0	2928.2	3169.8	3286.9
17.5°	1181.9	1236.1	1360.6	1502.3	1656.4	1831.4	2091.4	2519.1	3007.1	3316.5	3507.5
20°	1048.8	1056.2	1124.0	1244.7	1454.3	1682.3	2019.9	2494.4	3259.8	3569.1	3810.7
22.5°	965.0	957.6	958.8	1061.1	1207.8	1535.6	1907.8	2578.2	3546.9	3970.9	4133.6
25°	923.1	903.4	891.0	913.2	1046.3	1361.8	1822.8	2689.2	3856.3	4302.4	4502.0
27.5°	900.9	866.4	841.7	845.4	942.8	1274.3	1769.8	2737.2	4163.1	4764.6	4834.8
30°	892.3	849.1	813.4	801.1	865.2	1152.3	1656.4	2819.8	4438.0	5018.4	5078.8
32.5°	861.5	808.5	774.0	762.9	788.8	1045.1	1575.0	2878.9	4680.7	5294.5	5273.5
35°	825.7	781.4	738.2	717.3	735.8	976.1	1509.7	2850.6	4966.7	5508.9	5497.8
37.5°	822.0	764.1	728.4	693.9	692.6	891.0	1421.0	2877.7	5149.1	5893.5	5741.9
40°	790.0	753.0	706.2	677.8	661.8	847.9	1334.7	2813.6	5416.5	6048.7	5899.6
42.5°	791.2	735.8	695.1	661.8	645.8	785.1	1275.6	2796.4	5510.2	6301.4	5973.6
45°	771.5	717.3	682.8	643.3	634.7	737.0	1218.9	2716.3	5675.3	6313.7	5881.1
47.5°	751.8	703.7	666.7	619.9	600.2	719.7	1174.5	2649.7	5589.0	6197.9	5753.0
50°	738.2	682.8	648.3	615.0	559.5	690.2	1116.6	2633.7	5468.3	6041.3	5515.1
52.5°	714.8	665.5	629.8	603.9	515.2	663.0	1094.4	2727.4	5616.2	5924.3	5446.1
55°	692.6	642.1	596.5	546.0	478.2	591.6	1032.8	2814.9	5831.8	6194.2	5759.1
57.5°	669.2	621.1	571.8	511.5	442.4	517.6	968.7	2830.9	5427.6	5724.6	5467.0
60°	638.4	576.8	539.8	460.9	404.2	428.9	767.8	2495.7	4210.0	4780.6	4789.2
62.5°	603.9	537.3	505.3	412.9	364.8	369.7	626.1	2097.6	3415.0	3957.3	4192.7
65°	558.3	494.2	456.0	382.1	336.5	320.4	458.5	1536.8	2594.3	3210.5	3477.9
67.5°	499.1	438.7	390.7	332.8	300.7	274.8	313.0	865.2	1531.9	2155.5	2236.9
70°	436.3	384.5	334.0	285.9	250.2	231.7	229.2	383.3	732.1	1159.7	1319.9
72.5°	343.8	306.9	266.2	230.5	207.0	179.9	163.9	159.0	247.7	472.0	652.0
75°	246.5	215.7	192.3	168.8	151.6	136.8	124.5	113.4	103.5	118.3	162.7
77.5°	155.3	144.2	125.7	119.5	109.7	106.0	101.1	94.9	87.5	82.6	82.6
80°	104.8	97.4	91.2	90.0	86.3	85.0	86.3	80.1	72.7	66.6	69.0
82.5°	70.2	69.0	67.8	66.6	67.8	69.0	71.5	70.2	64.1	60.4	61.6
85°	41.9	44.4	46.8	49.3	54.2	48.1	39.4	33.3	29.6	27.1	25.9
87.5°	16.0	22.2	19.7	18.5	19.7	18.5	17.3	16.0	13.6	12.3	12.3
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-SA3A-727-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7	3773.7
2.5°	4080.6	4105.2	4126.2	4121.2	4078.1	4020.2	3996.8	3877.2	3852.6	3836.5
5°	4136.0	4279.0	4309.8	4291.3	4179.2	4037.4	3899.4	3724.4	3622.1	3618.4
7.5°	4033.7	4210.0	4265.4	4307.3	4158.2	3911.7	3675.1	3412.6	3348.5	3353.4
10°	3773.7	4054.7	4191.5	4234.6	4063.3	3850.1	3522.3	3256.1	3119.3	3116.8
12.5°	3629.5	3850.1	3888.3	3948.7	3898.2	3682.5	3433.5	3135.3	3002.2	2999.7
15°	3501.3	3646.7	3657.8	3742.9	3770.0	3624.6	3457.0	3139.0	3031.8	3020.7
17.5°	3613.5	3512.4	3470.5	3481.6	3561.7	3614.7	3592.5	3348.5	3238.8	3177.2
20°	3688.6	3463.1	3336.2	3348.5	3443.4	3636.9	3794.6	3651.7	3477.9	3485.3
22.5°	3889.5	3470.5	3272.1	3258.5	3408.9	3752.7	4022.6	4035.0	3867.3	3826.7
25°	4190.2	3555.5	3252.4	3248.7	3392.9	3877.2	4288.8	4488.5	4317.2	4242.0
27.5°	4431.8	3688.6	3314.0	3326.3	3443.4	3978.3	4515.6	4780.6	4649.9	4557.5
30°	4643.8	3826.7	3400.3	3343.6	3579.0	4031.3	4613.0	5113.3	5008.6	4932.2
32.5°	4731.3	4022.6	3537.1	3443.4	3691.1	4095.3	4815.1	5436.2	5346.3	5157.7
35°	4879.2	4132.3	3611.0	3603.6	3887.1	4249.4	4910.0	5649.4	5612.5	5444.9
37.5°	4997.5	4243.2	3873.5	3792.2	4155.7	4508.2	5062.8	5944.0	5858.9	5780.1
40°	5088.7	4441.7	4118.8	4226.0	4486.0	4743.6	5203.3	5962.5	6207.7	5978.5
42.5°	5004.9	4619.1	4521.8	4778.1	5024.6	5012.3	5219.3	6105.4	6289.1	6169.5
45°	4983.9	4919.8	5158.9	5391.9	5448.5	5235.3	5104.7	5947.7	6264.4	6211.4
47.5°	4933.4	5215.6	5632.2	6011.8	5925.5	5384.5	4967.9	5919.3	6279.2	6184.3
50°	4916.1	5279.7	5982.2	6351.9	6300.2	5513.9	4903.8	5736.9	6174.4	6165.8
52.5°	4914.9	5411.6	6127.6	6536.8	6568.8	5718.4	4991.3	5829.4	6255.8	6328.5
55°	4970.4	5369.7	6109.1	6434.5	6422.2	5627.3	5001.2	5891.0	6355.6	6427.1
57.5°	4688.1	4810.2	5041.8	5299.4	5232.9	4661.0	4466.3	5446.1	5833.1	5781.3
60°	4048.5	3666.5	3405.2	3392.9	3263.5	3084.8	3655.4	4860.7	4860.7	4810.2
62.5°	3545.7	2406.9	2068.0	1971.9	2064.3	2270.1	3526.0	4727.6	4593.2	4535.3
65°	3100.8	1837.5	1494.9	1467.8	1628.0	1938.6	3188.3	4027.6	3790.9	3598.7
67.5°	1995.3	1345.8	1111.6	1063.6	1257.1	1423.5	2122.2	2477.2	2328.0	2252.9
70°	1286.7	876.3	618.7	580.5	655.6	877.5	1355.7	1444.4	1227.5	1177.0
72.5°	608.8	378.4	216.9	178.7	200.9	335.2	536.1	576.8	479.4	438.7
75°	193.5	139.3	88.7	76.4	72.7	86.3	123.2	94.9	69.0	67.8
77.5°	86.3	82.6	70.2	59.2	51.8	43.1	35.7	29.6	30.8	32.0
80°	71.5	65.3	57.9	51.8	43.1	33.3	25.9	19.7	19.7	21.0
82.5°	62.9	56.7	50.5	43.1	37.0	27.1	19.7	13.6	12.3	12.3
85°	27.1	32.0	34.5	37.0	29.6	22.2	13.6	8.6	7.4	7.4
87.5°	11.1	9.9	8.6	7.4	6.2	6.2	4.9	3.7	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)