

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: P527456

Luminaire Tested: **GALN-SA2C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527456
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-SA2C-727-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA 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: 8806 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

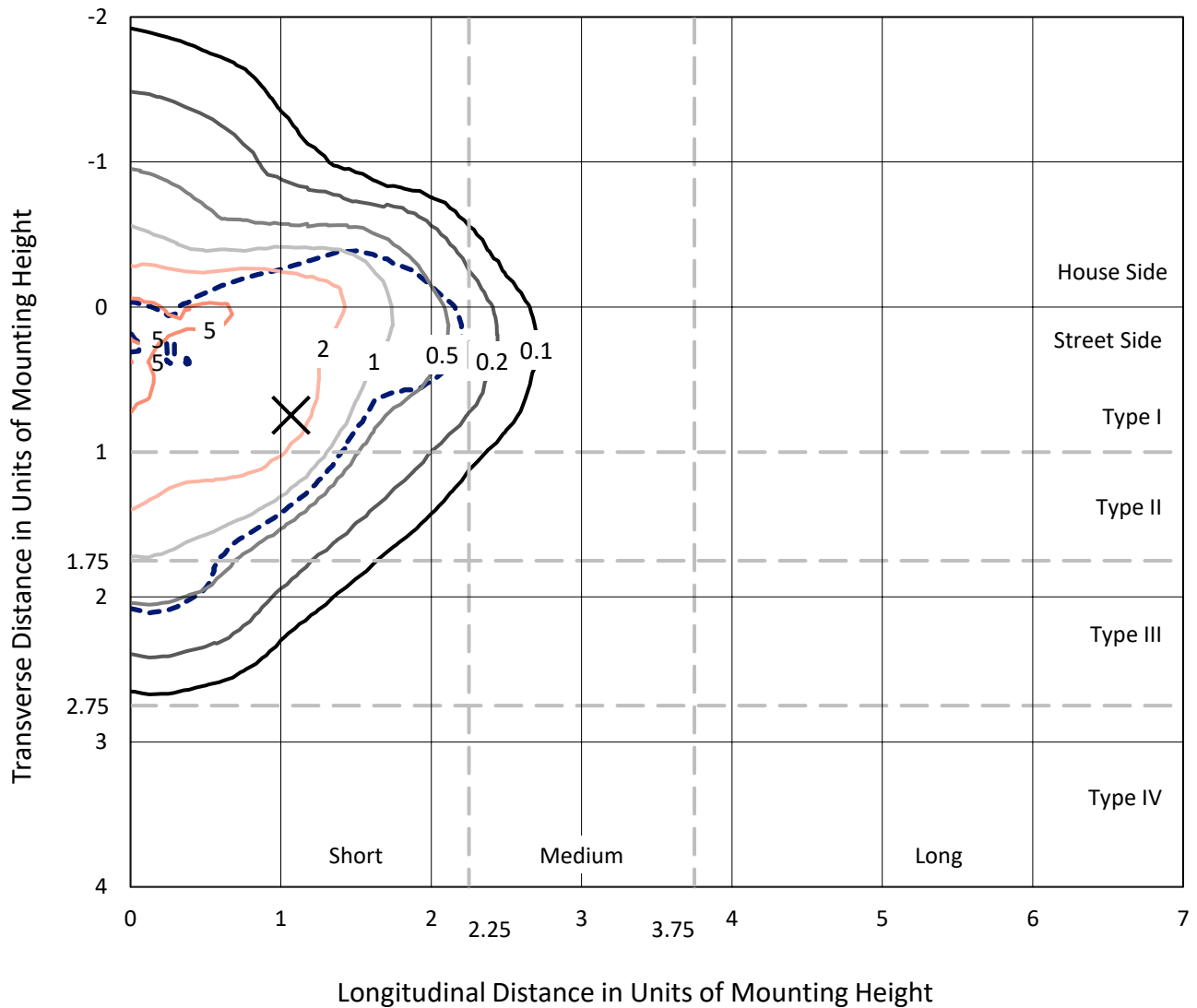
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

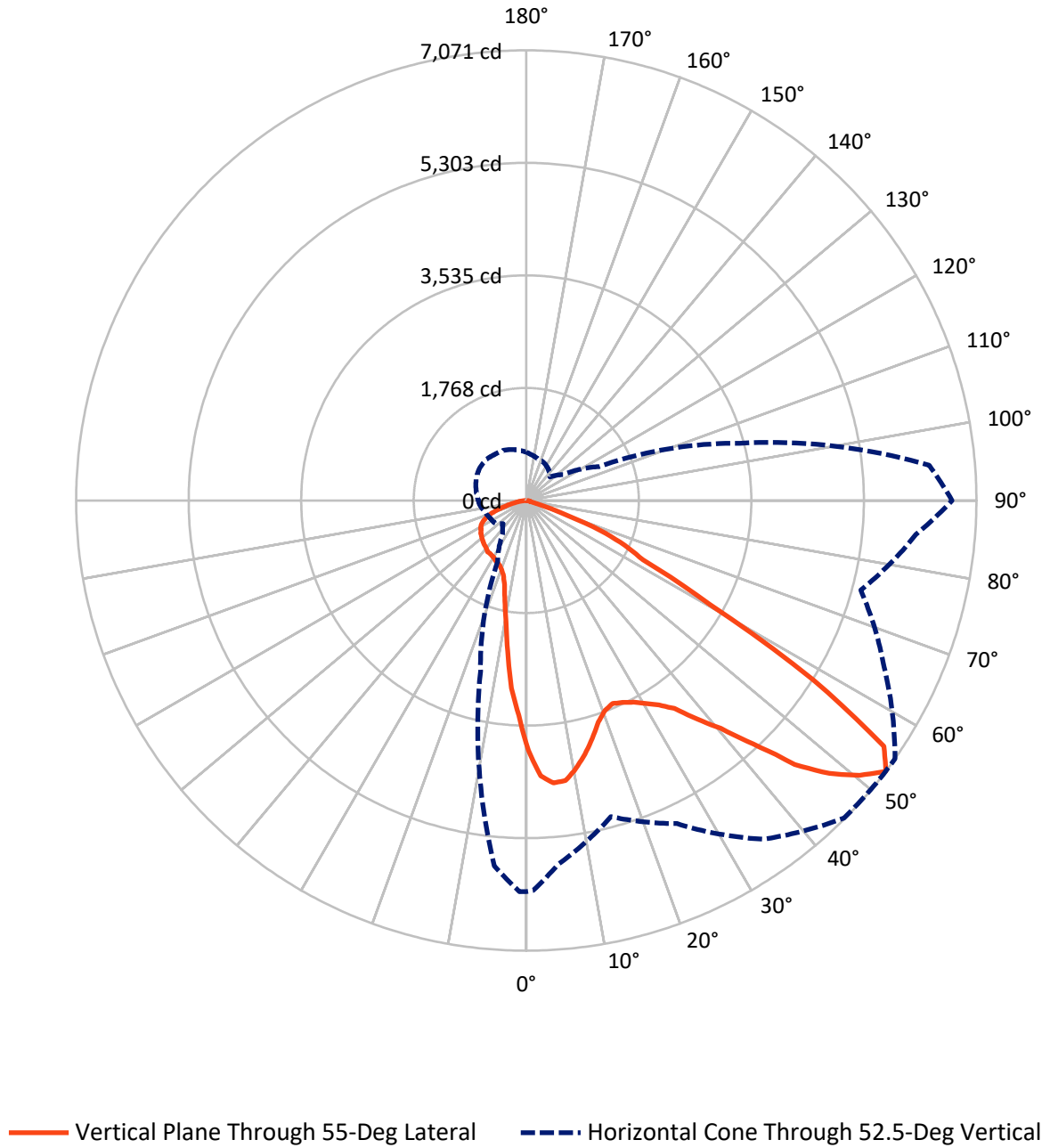
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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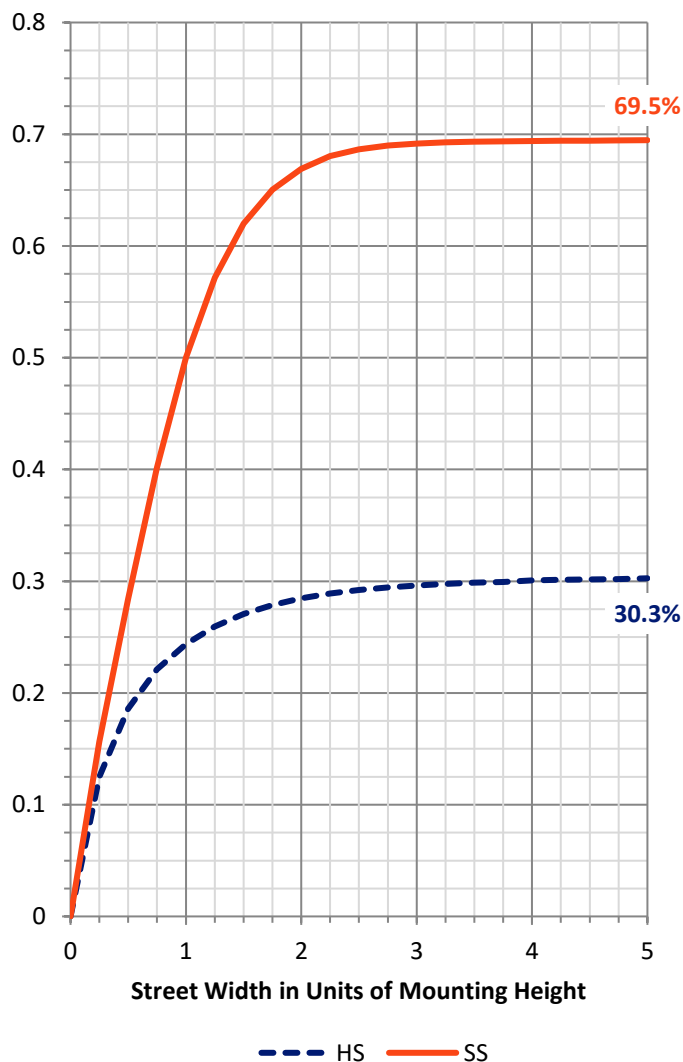
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2686.3	0.0	2686.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	6119.7	0.0	6119.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	8806.0	0.0	8806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	3.4
10°-20°	647.1	7.3
20°-30°	981.2	11.1
30°-40°	1417.6	16.1
40°-50°	1894.3	21.5
50°-60°	2114.5	24.0
60°-70°	1159.9	13.2
70°-80°	250.8	2.8
80°-90°	40.6	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°	8806.0	100.0
0°-180°	8806.0	100.0

Coefficient of Utilization



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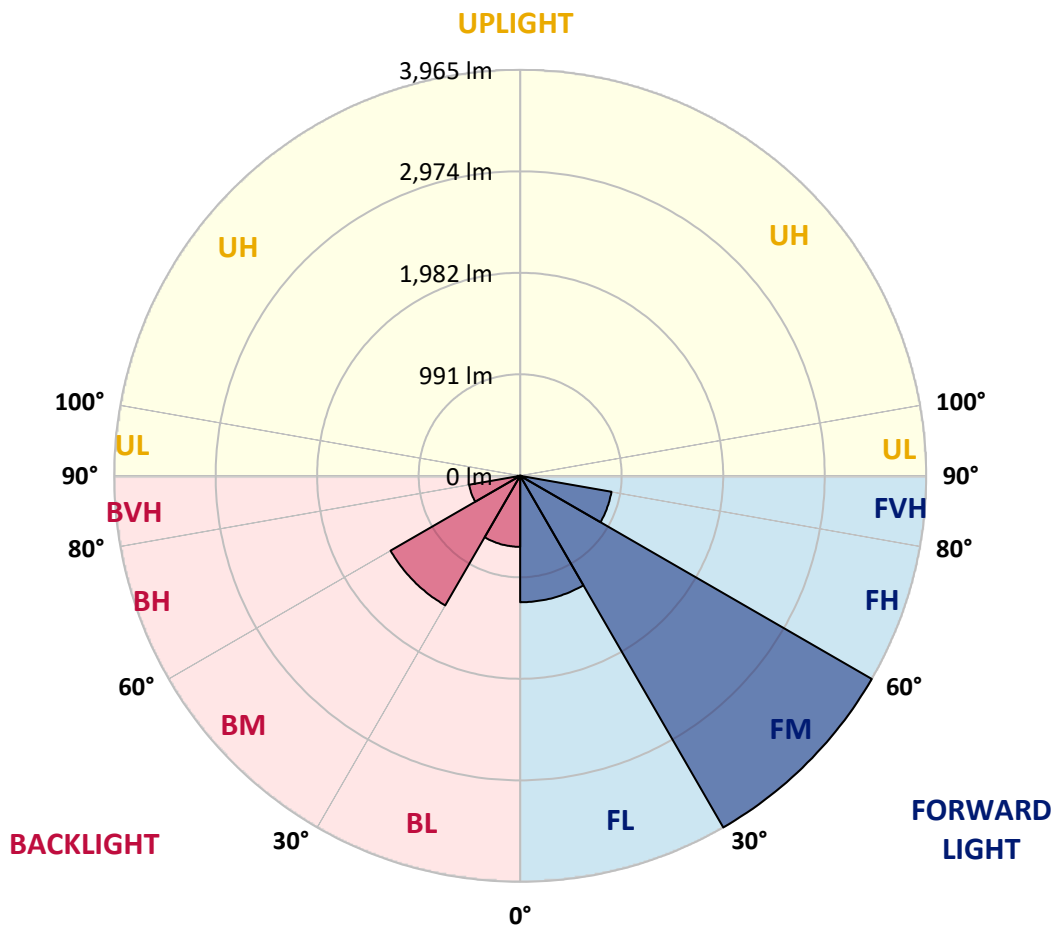
CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.8	14.0			
FM (30°-60°)	3964.9	45.0			
FH (60°-80°)	905.0	10.3			G1/1800
FVH (80°-90°)	15.0	0.2			G1/100
BL (0°-30°)	693.6	7.9	B2/1000		
BM (30°-60°)	1461.6	16.6	B2/2500		
BH (60°-80°)	505.6	5.7	B2/1000		G2/1000
BVH (80°-90°)	25.5	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2
2.5°	4122.3	4099.2	4119.7	4217.5	4274.0	4312.6	4337.0	4333.2	4240.6	4150.6	4150.6
5°	4001.4	3971.9	4014.3	4235.5	4457.9	4477.2	4509.3	4456.6	4320.3	4155.7	3950.0
7.5°	3651.7	3673.6	3744.3	4034.9	4324.2	4469.5	4508.1	4441.2	4220.0	3912.7	3610.6
10°	3349.5	3401.0	3564.3	3878.0	4144.2	4333.2	4375.6	4281.8	4106.9	3730.1	3460.1
12.5°	3245.4	3213.2	3394.5	3708.3	3962.9	4064.5	4083.7	4090.2	3971.9	3637.6	3308.4
15°	3232.5	3253.1	3394.5	3632.4	3789.3	3794.4	3826.6	3876.7	3892.2	3700.6	3379.1
17.5°	3417.7	3393.3	3538.6	3727.6	3653.0	3578.4	3586.1	3658.1	3785.4	3754.6	3601.6
20°	3691.6	3746.9	3861.3	3842.0	3641.4	3452.4	3453.7	3521.8	3772.6	3978.3	3911.4
22.5°	4146.7	4200.7	4285.6	4052.9	3641.4	3415.1	3371.4	3464.0	3854.9	4244.5	4261.2
25°	4562.1	4661.1	4684.2	4410.3	3824.0	3449.8	3421.5	3512.8	3937.2	4504.2	4662.4
27.5°	4940.1	4976.1	5077.7	4640.5	3925.6	3473.0	3470.4	3587.4	4041.3	4634.1	5021.1
30°	5238.4	5234.5	5292.4	4785.8	4087.6	3602.8	3478.1	3699.3	4177.6	4848.8	5352.8
32.5°	5441.6	5485.3	5607.4	4987.7	4155.7	3726.3	3628.6	3830.4	4343.5	4950.4	5586.9
35°	5799.0	5874.9	5720.6	5099.5	4371.8	3848.4	3734.0	4009.2	4425.8	5061.0	5873.6
37.5°	6135.9	6078.0	5921.2	5160.0	4511.9	4074.7	3968.0	4355.0	4681.6	5301.4	6063.9
40°	6351.9	6350.6	6071.6	5208.8	4610.9	4420.6	4414.2	4706.1	4995.4	5453.1	6277.3
42.5°	6445.8	6535.8	6133.3	5203.7	4819.2	4839.8	4969.7	5230.7	5217.8	5484.0	6272.2
44°	6574.4	6628.4	6240.0	5215.3	4958.1	5122.7	5428.7	5594.6	5412.0	5467.3	6265.8
45°	6569.2	6573.1	6088.3	5230.7	5076.4	5359.3	5633.1	5913.5	5583.0	5431.3	6350.6
47.5°	6418.8	6375.1	5959.7	5116.2	5445.4	5984.2	6237.5	6407.2	5793.9	5354.1	6245.2
50°	6121.8	6071.6	5647.3	5067.4	5522.6	6372.5	6722.2	6783.9	5985.5	5278.3	6141.0
52.5°	6142.3	6128.2	5736.0	5140.7	5599.7	6494.6	7055.3	7070.7	6202.8	5437.7	6142.3
55°	6510.1	6461.2	5990.6	5232.0	5543.1	6351.9	6843.1	6816.1	6129.5	5341.3	6255.5
57.5°	5957.2	5989.3	5638.3	4870.7	4851.4	5163.8	5379.8	5313.0	5115.0	4820.5	5819.6
60°	4806.4	4897.7	4931.1	4073.5	3660.7	3500.0	3435.7	3317.4	3350.8	3960.3	5112.4
62.5°	4122.3	4117.2	4326.8	3692.9	2398.0	2062.4	2031.6	2058.6	2444.3	3898.6	5007.0
65°	3268.5	3356.0	3420.3	3129.7	1897.9	1531.4	1530.1	1701.1	2115.2	3258.2	4042.6
67.5°	2075.3	2189.7	2269.5	2002.0	1269.1	1090.4	1060.8	1266.5	1465.8	2137.0	2434.0
70°	1170.1	1224.1	1260.1	1154.7	807.5	565.8	532.3	581.2	885.9	1383.5	1442.7
72.5°	451.3	475.8	524.6	528.5	304.7	182.6	147.9	177.4	372.9	547.8	522.0
75°	69.4	74.6	105.4	126.0	87.4	66.9	70.7	73.3	104.2	141.4	118.3
77.5°	33.4	33.4	32.1	37.3	43.7	47.6	51.4	56.6	61.7	68.1	65.6
80°	21.9	21.9	21.9	25.7	32.1	38.6	43.7	46.3	48.9	54.0	51.4
82.5°	14.1	14.1	14.1	19.3	25.7	32.1	34.7	41.1	46.3	54.0	50.1
85°	7.7	7.7	7.7	12.9	19.3	27.0	25.7	20.6	11.6	1.3	2.6
87.5°	2.6	2.6	2.6	2.6	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°	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2
2.5°	4042.6	3983.4	3978.3	3857.4	3749.4	3696.7	3654.3	3536.0	3561.7	3493.6	3492.3
5°	3847.2	3726.3	3530.8	3370.1	3209.4	3177.2	3037.1	2914.9	2918.8	2831.4	2846.8
7.5°	3496.1	3412.5	3174.7	2922.7	2709.2	2557.5	2425.0	2345.3	2243.7	2209.0	2191.0
10°	3273.7	3170.8	2903.4	2587.1	2347.9	2266.9	2139.6	2068.9	1964.7	1913.3	1877.3
12.5°	3176.0	3025.5	2691.2	2369.8	2210.3	2126.7	2018.7	1890.1	1766.7	1719.1	1653.6
15°	3186.2	3006.2	2629.5	2282.3	2090.7	1928.7	1832.3	1689.6	1563.5	1480.0	1432.4
17.5°	3341.8	3123.2	2657.8	2215.5	1940.3	1737.1	1548.1	1393.8	1293.5	1230.5	1215.1
20°	3709.6	3412.5	2705.3	2107.4	1789.9	1536.5	1303.8	1143.1	1065.9	1064.7	1065.9
22.5°	4015.6	3721.1	2801.8	2043.2	1639.4	1279.4	1047.9	996.5	981.1	1013.2	1017.1
25°	4428.3	4068.3	2967.7	2009.7	1500.5	1090.4	947.6	928.4	927.1	968.2	969.5
27.5°	4851.4	4371.8	3066.7	1912.0	1359.1	992.6	887.2	883.4	903.9	947.6	943.8
30°	5139.4	4626.4	3245.4	1795.0	1191.9	906.5	862.8	867.9	896.2	929.6	934.8
32.5°	5475.0	4877.1	3291.7	1730.7	1089.1	834.5	803.6	815.2	851.2	903.9	932.2
35°	5859.4	5054.5	3362.4	1643.3	1050.5	779.2	763.8	776.6	820.3	855.1	885.9
37.5°	6143.6	5368.3	3375.3	1575.1	1008.1	748.3	723.9	766.3	792.1	840.9	856.4
40°	6354.5	5595.9	3408.7	1532.7	974.6	708.5	708.5	736.8	771.5	816.5	847.4
42.5°	6489.5	5761.7	3433.1	1494.1	910.4	696.9	690.5	718.8	765.1	808.8	822.9
44°	6571.8	5832.4	3408.7	1458.1	892.4	682.8	682.8	707.2	743.2	794.6	811.3
45°	6592.4	5921.2	3354.7	1456.8	870.5	666.1	663.5	709.8	734.2	797.2	807.5
47.5°	6672.1	6030.5	3361.1	1415.7	817.8	626.2	671.2	691.8	713.6	768.9	803.6
50°	6669.5	6098.6	3347.0	1355.2	779.2	581.2	655.8	678.9	700.8	757.3	771.5
52.5°	6687.5	6353.2	3476.8	1258.8	709.8	523.3	604.3	655.8	682.8	730.3	759.9
55°	6678.5	6498.5	3605.4	1186.8	612.0	488.6	560.6	621.0	659.6	709.8	723.9
57.5°	6099.9	5743.7	3336.7	1051.8	506.6	447.5	498.9	585.0	633.9	685.3	703.3
60°	4983.8	4427.1	2751.6	774.1	416.6	411.5	464.2	573.5	594.0	639.0	669.9
62.5°	4605.8	3883.2	2182.0	591.5	356.2	376.7	428.2	518.2	550.3	605.6	633.9
65°	3604.1	2579.3	1351.4	399.9	313.7	338.2	387.0	453.9	506.6	558.0	591.5
67.5°	2134.4	1409.3	668.6	280.3	273.9	299.6	349.7	399.9	460.3	516.9	533.6
70°	1162.4	693.1	285.5	213.4	232.7	255.9	304.7	339.5	397.3	441.0	469.3
72.5°	372.9	210.9	142.7	158.2	177.4	204.4	234.0	276.4	317.6	343.3	366.5
75°	90.0	88.7	101.6	110.6	128.6	149.2	173.6	195.4	227.6	252.0	272.6
77.5°	63.0	68.1	78.4	91.3	97.7	105.4	120.9	137.6	151.7	169.7	182.6
80°	48.9	52.7	60.4	66.9	73.3	79.7	87.4	93.9	102.9	114.4	120.9
82.5°	46.3	48.9	56.6	60.4	57.9	56.6	61.7	64.3	65.6	69.4	73.3
85°	3.9	0.0	2.6	9.0	21.9	32.1	34.7	34.7	33.4	36.0	36.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.1	3.9
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°	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2
2.5°	3476.8	3433.1	3449.8	3470.4	3440.8	3372.7	3390.7	3383.0	3452.4	3447.3	3516.7
5°	2914.9	2846.8	2854.5	2954.8	2922.7	2957.4	2887.9	2878.9	2891.8	2898.2	2909.8
7.5°	2230.9	2221.9	2299.0	2383.9	2423.8	2382.6	2314.5	2299.0	2284.9	2256.6	2320.9
10°	1820.7	1823.3	1818.1	1882.4	1927.4	1918.4	1877.3	1872.1	1845.1	1834.9	1870.9
12.5°	1625.3	1590.6	1573.8	1553.3	1588.0	1611.1	1593.1	1580.3	1581.5	1594.4	1599.6
15°	1436.3	1414.4	1378.4	1355.2	1372.0	1360.4	1354.0	1379.7	1373.2	1370.7	1401.5
17.5°	1224.1	1242.1	1239.5	1213.8	1235.7	1226.7	1225.4	1207.4	1182.9	1164.9	1175.2
20°	1083.9	1117.4	1143.1	1144.4	1155.9	1154.7	1135.4	1080.1	1062.1	1058.2	1060.8
22.5°	1033.8	1051.8	1082.7	1126.4	1126.4	1105.8	1082.7	1018.4	1001.6	983.6	975.9
25°	993.9	1028.6	1068.5	1073.7	1094.2	1074.9	1037.7	1005.5	970.8	946.4	946.4
27.5°	973.4	1011.9	1041.5	1050.5	1078.8	1063.4	1024.8	983.6	942.5	941.2	919.4
30°	964.4	1000.4	1019.6	1041.5	1054.4	1029.9	1018.4	974.6	933.5	923.2	887.2
32.5°	937.4	988.8	1024.8	1019.6	1029.9	1019.6	1002.9	966.9	920.6	897.5	893.6
35°	906.5	957.9	996.5	1023.5	1029.9	1008.1	997.8	948.9	885.9	874.4	834.5
37.5°	889.8	920.6	968.2	1011.9	1020.9	1009.4	974.6	924.5	861.5	848.6	813.9
40°	869.2	909.1	946.4	982.4	1009.4	981.1	941.2	892.4	864.1	825.5	815.2
42.5°	853.8	898.8	929.6	969.5	1000.4	963.1	916.8	883.4	843.5	817.8	788.2
44°	848.6	889.8	910.4	959.2	984.9	956.6	918.1	883.4	837.1	813.9	788.2
45°	830.6	887.2	909.1	952.8	974.6	951.5	902.6	867.9	834.5	806.2	779.2
47.5°	812.6	851.2	888.5	923.2	938.6	930.9	889.8	847.4	807.5	790.8	765.1
50°	807.5	846.1	880.8	912.9	930.9	915.5	878.2	837.1	790.8	763.8	741.9
52.5°	781.8	829.3	867.9	878.2	901.4	892.4	864.1	819.1	775.3	752.2	734.2
55°	744.5	794.6	847.4	860.2	893.6	879.5	837.1	794.6	757.3	722.6	699.5
57.5°	730.3	779.2	830.6	847.4	867.9	844.8	834.5	789.5	730.3	712.3	676.3
60°	694.3	756.1	798.5	837.1	838.3	831.9	813.9	762.5	713.6	680.2	654.5
62.5°	666.1	723.9	757.3	793.3	815.2	797.2	779.2	731.6	678.9	641.6	612.0
65°	624.9	677.6	705.9	727.8	752.2	749.6	718.8	684.1	628.8	599.2	570.9
67.5°	561.9	608.2	646.8	667.3	682.8	678.9	655.8	631.3	574.8	545.2	524.6
70°	486.0	533.6	558.0	569.6	585.0	592.8	574.8	563.2	513.0	474.5	455.2
72.5°	390.9	421.7	457.7	468.0	474.5	479.6	479.6	469.3	417.9	402.5	369.0
75°	288.0	312.5	339.5	339.5	351.0	352.3	354.9	348.5	309.9	289.3	281.6
77.5°	195.4	213.4	235.3	244.3	252.0	250.7	249.4	231.4	210.9	201.9	194.2
80°	127.3	145.3	155.6	167.2	174.9	173.6	176.2	163.3	154.3	138.9	141.4
82.5°	75.9	90.0	100.3	114.4	114.4	118.3	118.3	114.4	105.4	97.7	97.7
85°	36.0	47.6	54.0	63.0	68.1	69.4	61.7	52.7	43.7	39.9	43.7
87.5°	6.4	9.0	12.9	11.6	14.1	12.9	12.9	12.9	12.9	10.3	11.6
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: P527456

CATALOG NUMBER: GALN-SA2C-727-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2	3928.2
2.5°	3491.0	3555.3	3600.3	3674.9	3803.4	3906.3	4011.7	4090.2	4099.2	4122.3
5°	2952.2	2986.9	3101.4	3250.5	3356.0	3529.6	3641.4	3844.6	3920.4	4001.4
7.5°	2305.5	2362.0	2515.0	2615.3	2846.8	3064.1	3289.1	3539.8	3640.1	3651.7
10°	1944.1	2026.4	2130.6	2291.3	2417.3	2659.1	2939.4	3218.4	3330.3	3349.5
12.5°	1707.6	1813.0	1951.9	2067.6	2188.5	2399.3	2668.1	3012.7	3158.0	3245.4
15°	1480.0	1589.3	1742.3	1903.0	2009.7	2261.7	2578.1	2966.4	3155.4	3232.5
17.5°	1246.0	1347.5	1473.5	1647.1	1861.9	2144.7	2563.9	3120.7	3327.7	3417.7
20°	1045.4	1101.9	1248.5	1427.3	1696.0	2025.2	2569.1	3348.3	3651.7	3691.6
22.5°	966.9	979.8	1037.7	1202.2	1496.7	1903.0	2660.3	3671.0	4015.6	4146.7
25°	906.5	903.9	919.4	1029.9	1351.4	1855.4	2750.4	3968.0	4419.3	4562.1
27.5°	873.1	847.4	848.6	952.8	1248.5	1778.3	2866.1	4308.8	4877.1	4940.1
30°	856.4	851.2	835.8	878.2	1136.7	1662.6	2885.4	4644.4	5147.1	5238.4
32.5°	846.1	795.9	776.6	792.1	1031.2	1536.5	2957.4	4865.5	5481.4	5441.6
35°	794.6	749.6	736.8	752.2	956.6	1465.8	2909.8	5058.4	5732.2	5799.0
37.5°	775.3	735.5	709.8	696.9	887.2	1406.7	2885.4	5355.4	5975.2	6135.9
40°	757.3	714.9	684.1	671.2	833.2	1328.2	2877.6	5584.3	6255.5	6351.9
42.5°	736.8	709.8	675.1	651.9	767.6	1249.8	2788.9	5655.0	6341.6	6445.8
44°	730.3	689.2	653.2	645.5	741.9	1209.9	2770.9	5719.3	6416.2	6574.4
45°	723.9	685.3	644.2	633.9	732.9	1188.1	2746.5	5734.7	6539.6	6569.2
47.5°	705.9	681.5	641.6	613.3	713.6	1140.5	2673.2	5647.3	6413.6	6418.8
50°	691.8	663.5	622.3	567.0	687.9	1100.7	2706.6	5615.1	6110.2	6121.8
52.5°	676.3	633.9	610.8	515.6	645.5	1067.2	2777.4	5760.4	6144.9	6142.3
55°	658.3	612.0	555.5	471.9	574.8	1024.8	2948.4	6047.2	6466.4	6510.1
57.5°	630.0	590.2	509.2	433.3	493.8	943.8	2893.1	5498.1	5949.5	5957.2
60°	592.8	555.5	461.6	403.7	405.0	744.5	2587.1	4284.3	4694.5	4806.4
62.5°	556.8	536.2	421.7	361.3	344.6	592.8	2187.2	3560.4	4029.7	4122.3
65°	514.3	464.2	387.0	329.2	295.7	415.3	1549.4	2660.3	3143.8	3268.5
67.5°	460.3	406.3	340.7	289.3	253.3	277.7	799.8	1512.1	2002.0	2075.3
70°	402.5	352.3	286.7	244.3	204.4	191.6	352.3	721.3	1094.2	1170.1
72.5°	330.5	284.2	228.9	192.9	153.0	132.4	118.3	192.9	388.3	451.3
75°	239.2	207.0	172.3	137.6	108.0	84.9	69.4	57.9	64.3	69.4
77.5°	176.2	150.4	127.3	97.7	75.9	60.4	47.6	36.0	34.7	33.4
80°	137.6	122.2	101.6	78.4	59.1	45.0	33.4	24.4	21.9	21.9
82.5°	108.0	100.3	83.6	64.3	48.9	36.0	24.4	16.7	14.1	14.1
85°	41.1	41.1	60.4	52.7	37.3	25.7	16.7	9.0	7.7	7.7
87.5°	10.3	10.3	10.3	10.3	9.0	7.7	7.7	3.9	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)