

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: P532136

Luminaire Tested: **GALN-SA7C-727-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532136  
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-SA7C-727-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 30500 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

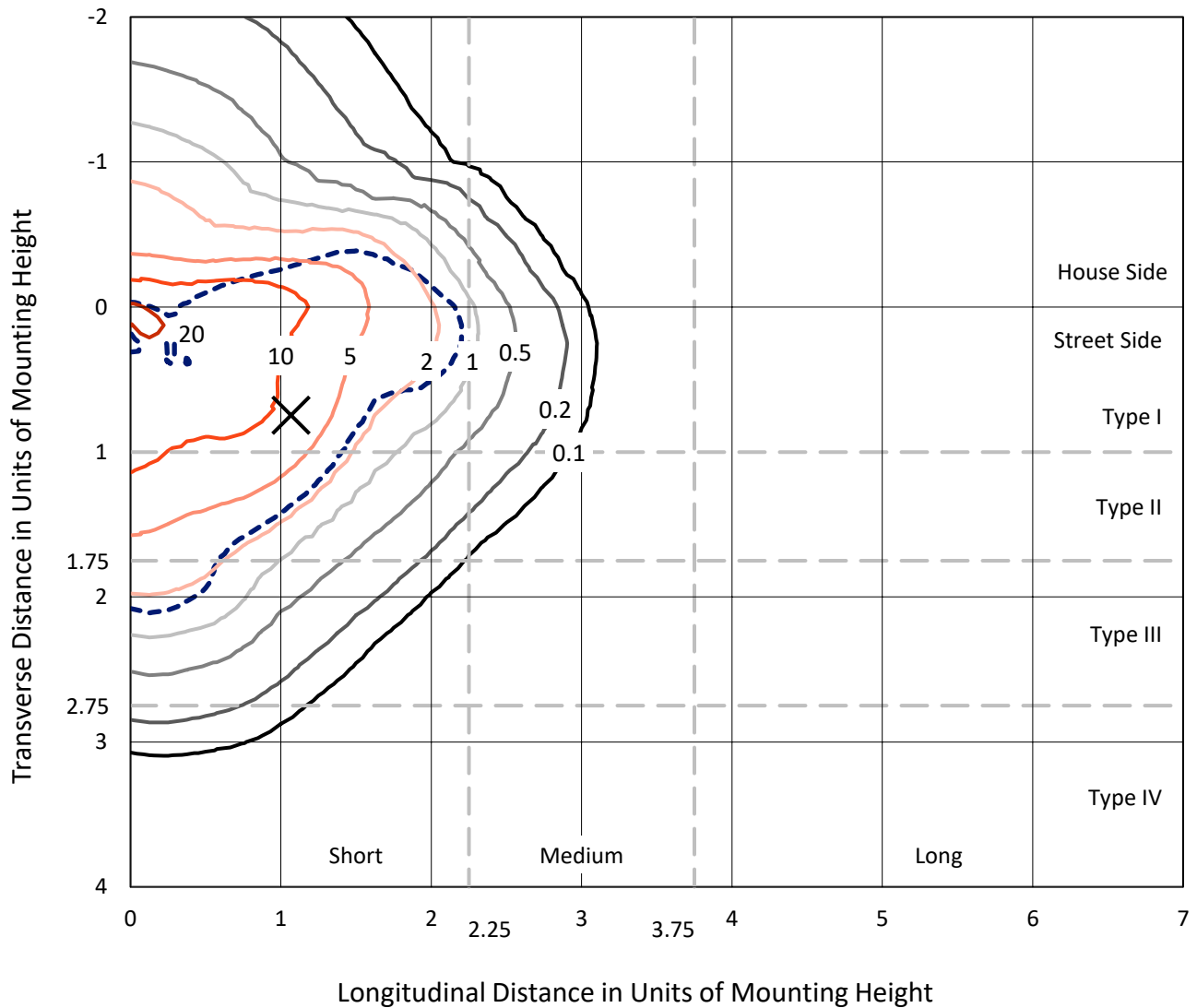
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

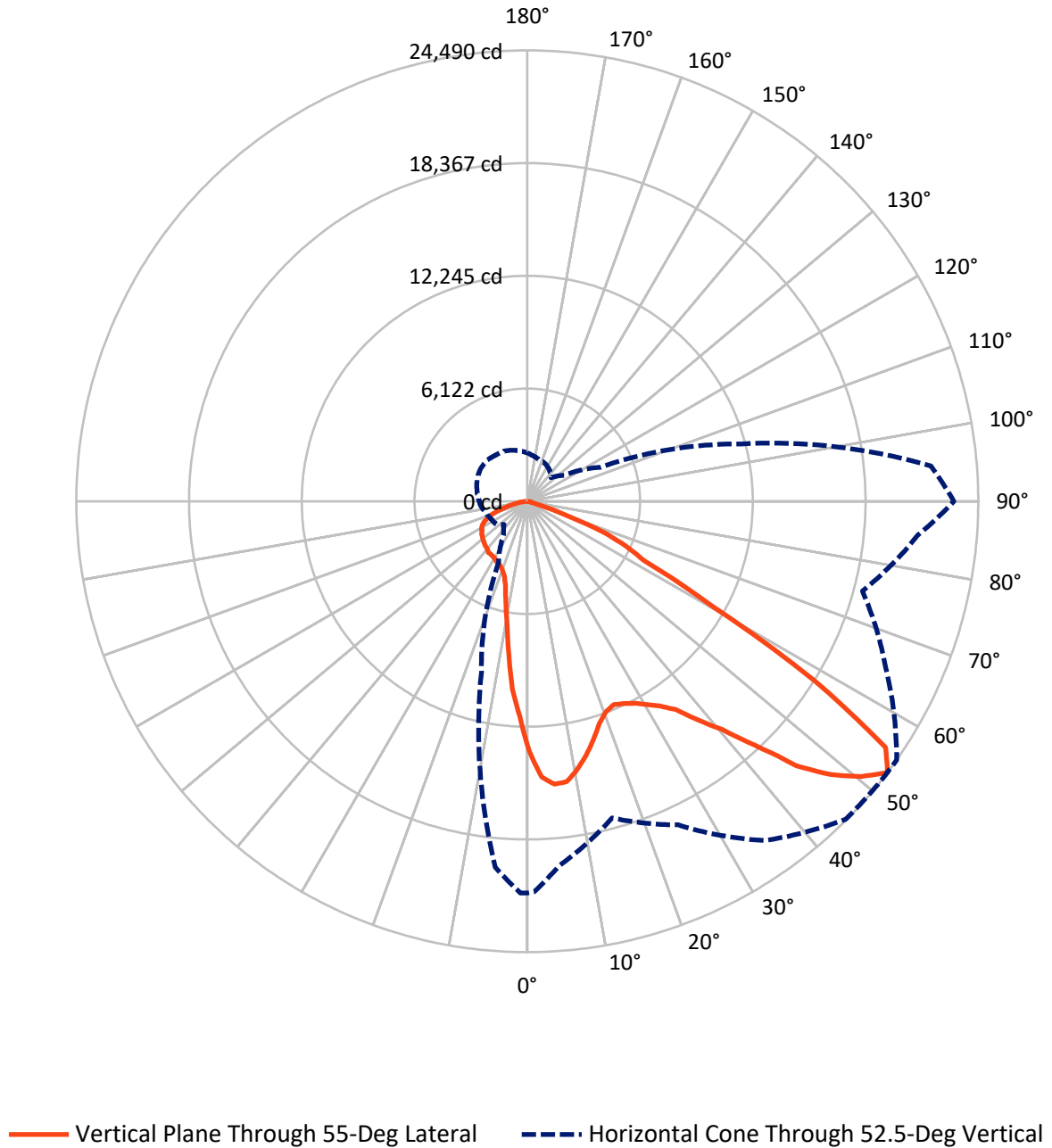
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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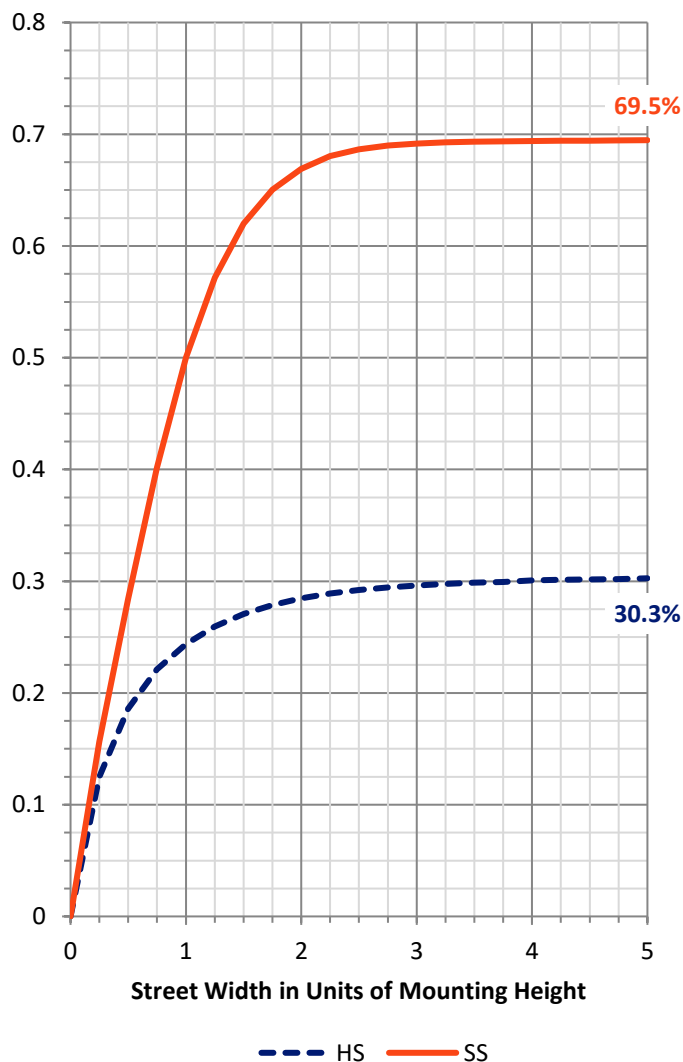
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9304.2	0.0	9304.2
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	21195.8	0.0	21195.8
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	30500.0	0.0	30500.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1039.4	3.4
10°-20°	2241.1	7.3
20°-30°	3398.3	11.1
30°-40°	4910.0	16.1
40°-50°	6561.1	21.5
50°-60°	7323.6	24.0
60°-70°	4017.3	13.2
70°-80°	868.5	2.8
80°-90°	140.5	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°	30500.0	100.0
0°-180°	30500.0	100.0

**Coefficient of Utilization**

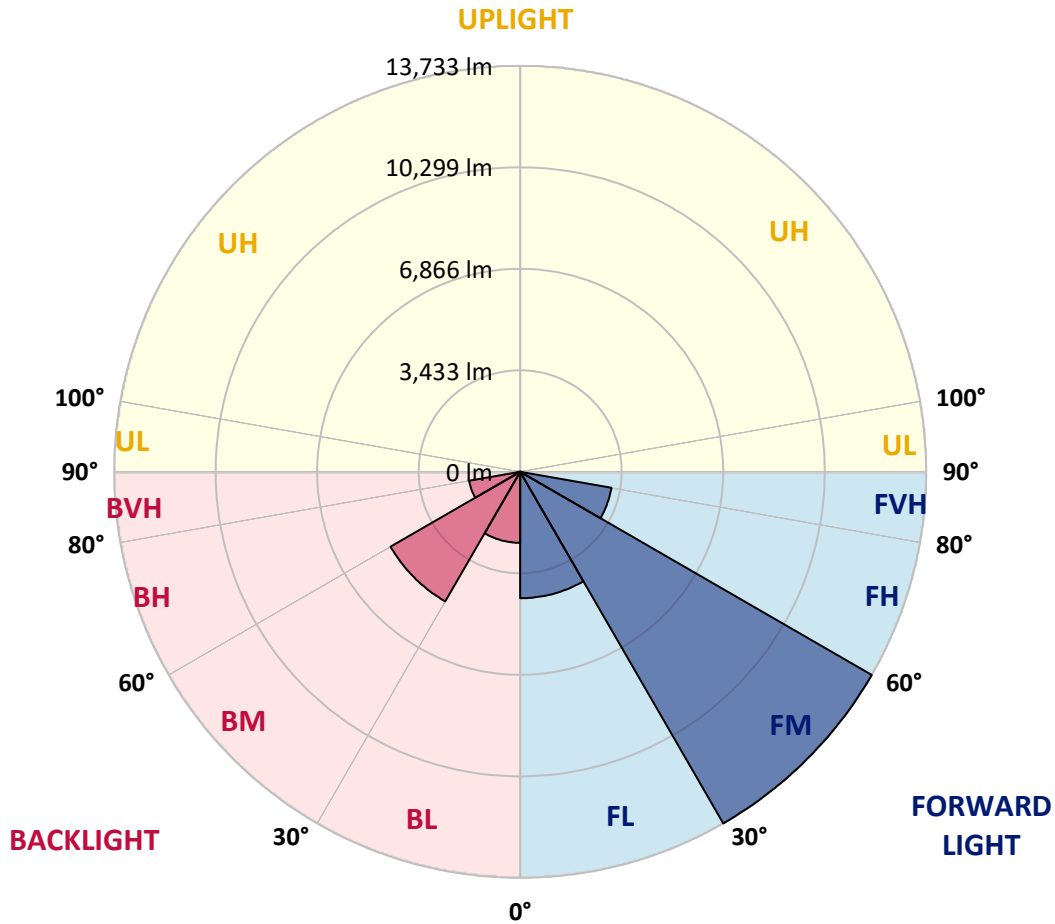


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4276.7	14.0			
FM (30°-60°)	13732.5	45.0			
FH (60°-80°)	3134.6	10.3			G2/5000
FVH (80°-90°)	52.0	0.2			G1/100
BL (0°-30°)	2402.2	7.9	B3/2500		
BM (30°-60°)	5062.2	16.6	B4/8500		
BH (60°-80°)	1751.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	88.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4
2.5°	14277.8	14197.7	14268.9	14607.4	14803.3	14936.9	15021.6	15008.2	14687.6	14375.8	14375.8
5°	13859.2	13756.8	13903.7	14669.7	15440.2	15507.0	15618.3	15435.7	14963.7	14393.6	13681.1
7.5°	12647.9	12723.6	12968.5	13975.0	14977.0	15480.3	15613.9	15382.3	14616.3	13551.9	12505.4
10°	11601.3	11779.4	12345.0	13431.7	14353.5	15008.2	15155.2	14830.1	14224.4	12919.5	11984.3
12.5°	11240.6	11129.2	11757.2	12843.8	13725.6	14077.4	14144.2	14166.5	13756.8	12598.9	11458.8
15°	11196.0	11267.3	11757.2	12581.1	13124.4	13142.2	13253.5	13427.2	13480.7	12817.1	11703.7
17.5°	11837.3	11752.7	12256.0	12910.6	12652.3	12394.0	12420.7	12670.1	13111.0	13004.1	12474.2
20°	12785.9	12977.4	13373.8	13307.0	12612.2	11957.6	11962.0	12198.1	13066.5	13779.0	13547.5
22.5°	14362.4	14549.5	14843.4	14037.3	12612.2	11828.4	11677.0	11997.7	13351.5	14700.9	14758.8
25°	15800.9	16143.8	16224.0	15275.4	13244.6	11948.7	11850.7	12166.9	13636.5	15600.5	16148.3
27.5°	17110.2	17234.9	17586.8	16072.6	13596.5	12028.8	12019.9	12425.2	13997.3	16050.3	17390.8
30°	18143.4	18130.1	18330.5	16575.8	14157.6	12478.6	12046.6	12812.6	14469.3	16794.0	18539.8
32.5°	18847.1	18998.5	19421.6	17275.0	14393.6	12906.2	12567.7	13266.9	15043.8	17145.9	19350.3
35°	20085.2	20347.9	19813.5	17662.5	15141.8	13329.2	12932.9	13885.9	15328.9	17528.9	20343.5
37.5°	21252.0	21051.6	20508.2	17871.8	15627.2	14113.1	13743.4	15083.9	16215.1	18361.7	21002.6
40°	22000.2	21995.7	21029.3	18041.0	15970.2	15311.0	15288.8	16299.7	17301.7	18887.2	21741.9
42.5°	22325.3	22637.0	21243.1	18023.2	16691.6	16762.9	17212.7	18116.7	18072.2	18994.1	21724.0
44°	22770.6	22957.7	21612.7	18063.3	17172.6	17742.6	18802.6	19377.1	18744.7	18936.2	21701.8
45°	22752.8	22766.2	21087.2	18116.7	17582.3	18562.1	19510.7	20481.5	19337.0	18811.5	21995.7
47.5°	22231.7	22080.3	20641.8	17720.4	18860.5	20726.5	21603.8	22191.7	20067.3	18544.3	21630.5
50°	21203.0	21029.3	19559.7	17551.1	19127.7	22071.4	23282.8	23496.5	20730.9	18281.5	21269.8
52.5°	21274.2	21225.3	19866.9	17805.0	19394.9	22494.5	24436.2	24489.6	21483.6	18833.7	21274.2
55°	22547.9	22378.7	20748.7	18121.2	19198.9	22000.2	23701.4	23607.9	21229.7	18499.7	21666.1
57.5°	20632.9	20744.3	19528.5	16869.8	16803.0	17885.1	18633.3	18401.7	17715.9	16696.1	20156.4
60°	16647.1	16963.3	17079.1	14108.6	12679.0	12122.4	11899.7	11490.0	11605.8	13716.7	17707.0
62.5°	14277.8	14260.0	14985.9	12790.4	8305.7	7143.4	7036.5	7130.0	8466.1	13502.9	17341.8
65°	11320.7	11623.6	11846.2	10839.8	6573.3	5304.1	5299.6	5891.9	7326.0	11285.1	14001.7
67.5°	7187.9	7584.3	7860.4	6934.1	4395.6	3776.5	3674.1	4386.7	5077.0	7401.7	8430.4
70°	4052.7	4239.7	4364.4	3999.2	2796.8	1959.5	1843.7	2013.0	3068.4	4791.9	4996.8
72.5°	1563.2	1647.8	1817.0	1830.4	1055.5	632.4	512.1	614.6	1291.5	1897.2	1808.1
75°	240.5	258.3	365.2	436.4	302.8	231.6	244.9	253.8	360.7	489.9	409.7
77.5°	115.8	115.8	111.3	129.2	151.4	164.8	178.1	196.0	213.8	236.0	227.1
80°	75.7	75.7	75.7	89.1	111.3	133.6	151.4	160.3	169.2	187.0	178.1
82.5°	49.0	49.0	49.0	66.8	89.1	111.3	120.2	142.5	160.3	187.0	173.7
85°	26.7	26.7	26.7	44.5	66.8	93.5	89.1	71.3	40.1	4.5	8.9
87.5°	8.9	8.9	8.9	8.9	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°	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4
2.5°	14001.7	13796.9	13779.0	13360.4	12986.3	12803.7	12656.8	12247.1	12336.1	12100.1	12095.6
5°	13324.8	12906.2	12229.2	11672.6	11115.9	11004.5	10519.1	10096.0	10109.4	9806.5	9860.0
7.5°	12109.0	11819.5	10995.6	10122.7	9383.5	8858.0	8399.2	8123.1	7771.3	7651.1	7588.7
10°	11338.5	10982.3	10055.9	8960.4	8132.0	7851.5	7410.6	7165.6	6804.9	6626.8	6502.1
12.5°	11000.1	10479.0	9321.1	8207.8	7655.5	7366.0	6992.0	6546.6	6119.1	5954.3	5727.2
15°	11035.7	10412.2	9107.4	7904.9	7241.3	6680.2	6346.2	5851.9	5415.4	5125.9	4961.2
17.5°	11574.6	10817.5	9205.3	7673.3	6720.3	6016.6	5362.0	4827.6	4480.2	4262.0	4208.5
20°	12848.3	11819.5	9370.1	7299.2	6199.2	5321.9	4515.8	3959.1	3691.9	3687.5	3691.9
22.5°	13908.2	12888.4	9704.1	7076.6	5678.2	4431.2	3629.6	3451.4	3398.0	3509.3	3522.7
25°	15337.8	14090.8	10278.6	6960.8	5197.2	3776.5	3282.2	3215.4	3211.0	3353.5	3357.9
27.5°	16803.0	15141.8	10621.5	6622.3	4707.3	3438.1	3072.9	3059.5	3130.8	3282.2	3268.8
30°	17800.5	16023.6	11240.6	6217.0	4128.4	3139.7	2988.3	3006.1	3104.1	3219.9	3237.7
32.5°	18962.9	16892.0	11400.9	5994.4	3772.1	2890.3	2783.4	2823.5	2948.2	3130.8	3228.8
35°	20294.5	17506.6	11645.8	5691.5	3638.5	2698.8	2645.4	2689.9	2841.3	2961.6	3068.4
37.5°	21278.7	18593.2	11690.4	5455.5	3491.5	2591.9	2507.3	2654.3	2743.3	2912.6	2966.0
40°	22009.1	19381.5	11806.2	5308.5	3375.7	2453.9	2453.9	2551.8	2672.1	2828.0	2934.8
42.5°	22476.7	19956.0	11890.8	5174.9	3153.1	2413.8	2391.5	2489.5	2649.8	2801.2	2850.2
44°	22761.7	20201.0	11806.2	5050.2	3090.7	2364.8	2364.8	2449.4	2574.1	2752.2	2810.1
45°	22833.0	20508.2	11619.1	5045.8	3015.0	2306.9	2298.0	2458.3	2542.9	2761.2	2796.8
47.5°	23109.1	20886.8	11641.4	4903.3	2832.4	2168.8	2324.7	2396.0	2471.7	2663.2	2783.4
50°	23100.2	21122.8	11592.4	4694.0	2698.8	2013.0	2271.3	2351.4	2427.1	2623.1	2672.1
52.5°	23162.5	22004.6	12042.2	4359.9	2458.3	1812.6	2093.1	2271.3	2364.8	2529.6	2632.0
55°	23131.3	22507.9	12487.5	4110.6	2119.9	1692.3	1941.7	2151.0	2284.6	2458.3	2507.3
57.5°	21127.3	19893.7	11556.8	3642.9	1754.7	1549.8	1727.9	2026.3	2195.6	2373.7	2436.0
60°	17261.7	15333.3	9530.4	2681.0	1442.9	1425.1	1607.7	1986.2	2057.5	2213.4	2320.3
62.5°	15952.3	13449.5	7557.5	2048.6	1233.6	1304.9	1483.0	1794.7	1906.1	2097.6	2195.6
65°	12483.1	8933.7	4680.6	1385.0	1086.6	1171.3	1340.5	1572.1	1754.7	1932.8	2048.6
67.5°	7392.8	4881.0	2315.8	970.9	948.6	1037.7	1211.3	1385.0	1594.3	1790.3	1848.2
70°	4025.9	2400.4	988.7	739.3	806.1	886.2	1055.5	1175.7	1376.1	1527.5	1625.5
72.5°	1291.5	730.4	494.3	547.8	614.6	708.1	810.5	957.5	1100.0	1189.1	1269.2
75°	311.7	307.3	351.8	383.0	445.3	516.6	601.2	676.9	788.3	872.9	944.1
77.5°	218.2	236.0	271.7	316.2	338.5	365.2	418.6	476.5	525.5	587.9	632.4
80°	169.2	182.6	209.3	231.6	253.8	276.1	302.8	325.1	356.3	396.4	418.6
82.5°	160.3	169.2	196.0	209.3	200.4	196.0	213.8	222.7	227.1	240.5	253.8
85°	13.4	0.0	8.9	31.2	75.7	111.3	120.2	120.2	115.8	124.7	124.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	17.8	13.4
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4
2.5°	12042.2	11890.8	11948.7	12019.9	11917.5	11681.5	11743.8	11717.1	11957.6	11939.8	12180.2
5°	10096.0	9860.0	9886.7	10234.1	10122.7	10243.0	10002.5	9971.3	10015.9	10038.1	10078.2
7.5°	7726.8	7695.6	7962.8	8256.7	8394.8	8252.3	8016.3	7962.8	7913.8	7815.8	8038.5
10°	6306.1	6315.0	6297.2	6519.9	6675.8	6644.6	6502.1	6484.3	6390.7	6355.1	6479.8
12.5°	5629.2	5508.9	5451.1	5379.8	5500.0	5580.2	5517.9	5473.3	5477.8	5522.3	5540.1
15°	4974.5	4898.8	4774.1	4694.0	4751.9	4711.8	4689.5	4778.6	4756.3	4747.4	4854.3
17.5°	4239.7	4302.1	4293.1	4204.1	4279.8	4248.6	4244.2	4181.8	4097.2	4034.8	4070.5
20°	3754.3	3870.1	3959.1	3963.6	4003.7	3999.2	3932.4	3740.9	3678.6	3665.2	3674.1
22.5°	3580.6	3642.9	3749.8	3901.2	3901.2	3830.0	3749.8	3527.2	3469.3	3406.9	3380.2
25°	3442.5	3562.8	3700.8	3718.6	3789.9	3723.1	3594.0	3482.6	3362.4	3277.8	3277.8
27.5°	3371.3	3504.9	3607.3	3638.5	3736.5	3683.0	3549.4	3406.9	3264.4	3259.9	3184.2
30°	3340.1	3464.8	3531.6	3607.3	3651.8	3567.2	3527.2	3375.7	3233.2	3197.6	3072.9
32.5°	3246.6	3424.7	3549.4	3531.6	3567.2	3531.6	3473.7	3349.0	3188.7	3108.5	3095.2
35°	3139.7	3317.8	3451.4	3545.0	3567.2	3491.5	3455.9	3286.7	3068.4	3028.4	2890.3
37.5°	3081.8	3188.7	3353.5	3504.9	3536.1	3496.0	3375.7	3202.0	2983.8	2939.3	2819.0
40°	3010.5	3148.6	3277.8	3402.5	3496.0	3398.0	3259.9	3090.7	2992.7	2859.1	2823.5
42.5°	2957.1	3113.0	3219.9	3357.9	3464.8	3335.7	3175.3	3059.5	2921.5	2832.4	2730.0
44°	2939.3	3081.8	3153.1	3322.3	3411.4	3313.4	3179.8	3059.5	2899.2	2819.0	2730.0
45°	2876.9	3072.9	3148.6	3300.0	3375.7	3295.6	3126.3	3006.1	2890.3	2792.3	2698.8
47.5°	2814.6	2948.2	3077.3	3197.6	3251.0	3224.3	3081.8	2934.8	2796.8	2738.9	2649.8
50°	2796.8	2930.4	3050.6	3162.0	3224.3	3170.9	3041.7	2899.2	2738.9	2645.4	2569.7
52.5°	2707.7	2872.5	3006.1	3041.7	3121.9	3090.7	2992.7	2836.9	2685.4	2605.3	2542.9
55°	2578.6	2752.2	2934.8	2979.4	3095.2	3046.2	2899.2	2752.2	2623.1	2502.9	2422.7
57.5°	2529.6	2698.8	2876.9	2934.8	3006.1	2925.9	2890.3	2734.4	2529.6	2467.2	2342.5
60°	2404.9	2618.6	2765.6	2899.2	2903.7	2881.4	2819.0	2640.9	2471.7	2355.9	2266.8
62.5°	2306.9	2507.3	2623.1	2747.8	2823.5	2761.2	2698.8	2534.0	2351.4	2222.3	2119.9
65°	2164.4	2347.0	2445.0	2520.7	2605.3	2596.4	2489.5	2369.2	2177.7	2075.3	1977.3
67.5°	1946.2	2106.5	2240.1	2311.4	2364.8	2351.4	2271.3	2186.7	1990.7	1888.3	1817.0
70°	1683.4	1848.2	1932.8	1972.9	2026.3	2053.1	1990.7	1950.6	1776.9	1643.3	1576.5
72.5°	1353.9	1460.7	1585.4	1621.1	1643.3	1661.1	1661.1	1625.5	1447.4	1393.9	1278.1
75°	997.6	1082.2	1175.7	1175.7	1215.8	1220.3	1229.2	1206.9	1073.3	1002.0	975.3
77.5°	676.9	739.3	815.0	846.2	872.9	868.4	864.0	801.6	730.4	699.2	672.5
80°	440.9	503.2	538.9	579.0	605.7	601.2	610.1	565.6	534.4	481.0	489.9
82.5°	262.8	311.7	347.4	396.4	396.4	409.7	409.7	396.4	365.2	338.5	338.5
85°	124.7	164.8	187.0	218.2	236.0	240.5	213.8	182.6	151.4	138.1	151.4
87.5°	22.3	31.2	44.5	40.1	49.0	44.5	44.5	44.5	44.5	35.6	40.1
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: P532136

CATALOG NUMBER: GALN-SA7C-727-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4	13605.4
2.5°	12091.2	12313.9	12469.7	12728.0	13173.4	13529.7	13894.8	14166.5	14197.7	14277.8
5°	10225.2	10345.4	10741.8	11258.4	11623.6	12224.8	12612.2	13315.9	13578.6	13859.2
7.5°	7985.1	8181.0	8711.0	9058.4	9860.0	10612.6	11392.0	12260.4	12607.8	12647.9
10°	6733.7	7018.7	7379.4	7936.1	8372.5	9209.8	10180.6	11147.0	11534.5	11601.3
12.5°	5914.2	6279.4	6760.4	7161.2	7579.8	8310.2	9241.0	10434.5	10937.7	11240.6
15°	5125.9	5504.5	6034.5	6591.1	6960.8	7833.7	8929.2	10274.2	10928.8	11196.0
17.5°	4315.4	4667.2	5103.7	5704.9	6448.6	7428.4	8880.2	10808.6	11525.6	11837.3
20°	3620.7	3816.6	4324.3	4943.4	5874.1	7014.2	8898.0	11596.8	12647.9	12785.9
22.5°	3349.0	3393.5	3594.0	4164.0	5183.8	6591.1	9214.2	12714.7	13908.2	14362.4
25°	3139.7	3130.8	3184.2	3567.2	4680.6	6426.4	9526.0	13743.4	15306.6	15800.9
27.5°	3023.9	2934.8	2939.3	3300.0	4324.3	6159.2	9926.8	14923.6	16892.0	17110.2
30°	2966.0	2948.2	2894.8	3041.7	3936.9	5758.3	9993.6	16085.9	17827.3	18143.4
32.5°	2930.4	2756.7	2689.9	2743.3	3571.7	5321.9	10243.0	16851.9	18985.2	18847.1
35°	2752.2	2596.4	2551.8	2605.3	3313.4	5077.0	10078.2	17520.0	19853.6	20085.2
37.5°	2685.4	2547.4	2458.3	2413.8	3072.9	4872.1	9993.6	18548.7	20695.3	21252.0
40°	2623.1	2476.1	2369.2	2324.7	2885.9	4600.4	9966.9	19341.4	21666.1	22000.2
42.5°	2551.8	2458.3	2338.1	2257.9	2658.7	4328.8	9659.6	19586.4	21964.5	22325.3
44°	2529.6	2387.1	2262.4	2235.6	2569.7	4190.7	9597.2	19809.0	22222.8	22770.6
45°	2507.3	2373.7	2231.2	2195.6	2538.5	4115.0	9512.6	19862.5	22650.4	22752.8
47.5°	2445.0	2360.3	2222.3	2124.3	2471.7	3950.2	9258.8	19559.7	22213.9	22231.7
50°	2396.0	2298.0	2155.5	1964.0	2382.6	3812.2	9374.6	19448.3	21162.9	21203.0
52.5°	2342.5	2195.6	2115.4	1785.8	2235.6	3696.4	9619.5	19951.6	21283.1	21274.2
55°	2280.2	2119.9	1923.9	1634.4	1990.7	3549.4	10211.8	20944.7	22396.5	22547.9
57.5°	2182.2	2044.1	1763.6	1500.8	1710.1	3268.8	10020.3	19043.0	20606.2	20632.9
60°	2053.1	1923.9	1598.8	1398.4	1402.8	2578.6	8960.4	14839.0	16259.6	16647.1
62.5°	1928.4	1857.1	1460.7	1251.4	1193.5	2053.1	7575.4	12331.7	13957.2	14277.8
65°	1781.4	1607.7	1340.5	1140.1	1024.3	1438.5	5366.4	9214.2	10888.7	11320.7
67.5°	1594.3	1407.3	1180.2	1002.0	877.3	962.0	2770.1	5237.3	6934.1	7187.9
70°	1393.9	1220.3	993.1	846.2	708.1	663.6	1220.3	2498.4	3789.9	4052.7
72.5°	1144.5	984.2	792.7	668.0	530.0	458.7	409.7	668.0	1344.9	1563.2
75°	828.3	717.0	596.8	476.5	374.1	293.9	240.5	200.4	222.7	240.5
77.5°	610.1	521.1	440.9	338.5	262.8	209.3	164.8	124.7	120.2	115.8
80°	476.5	423.1	351.8	271.7	204.9	155.9	115.8	84.6	75.7	75.7
82.5°	374.1	347.4	289.5	222.7	169.2	124.7	84.6	57.9	49.0	49.0
85°	142.5	142.5	209.3	182.6	129.2	89.1	57.9	31.2	26.7	26.7
87.5°	35.6	35.6	35.6	35.6	31.2	26.7	26.7	13.4	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)