

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: P531228

Luminaire Tested: **GALN-SA6C-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531228
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-SA6C-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA 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: 28276 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 321
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

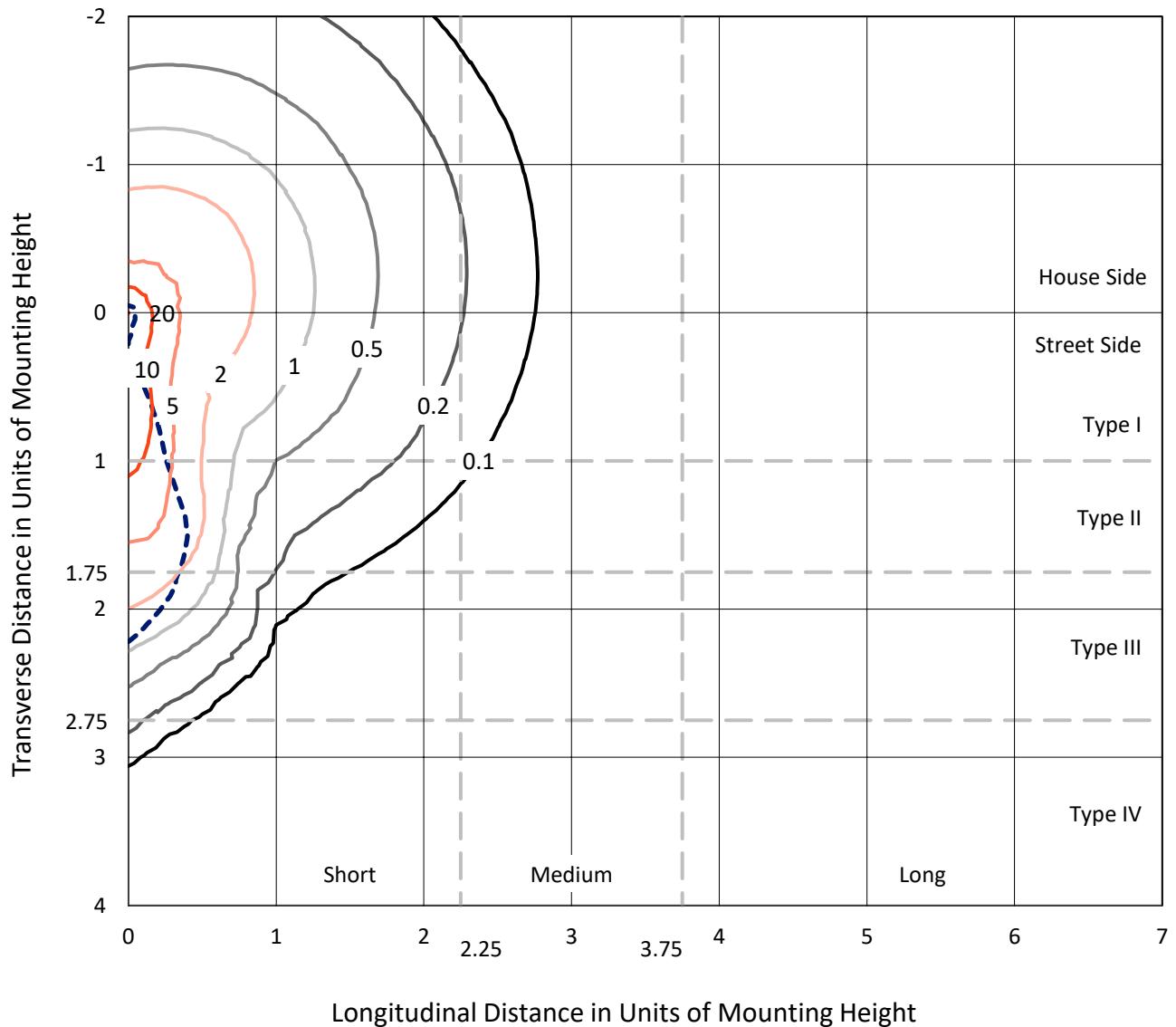




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Iso-Footcandle Lines of Horizontal Illumination

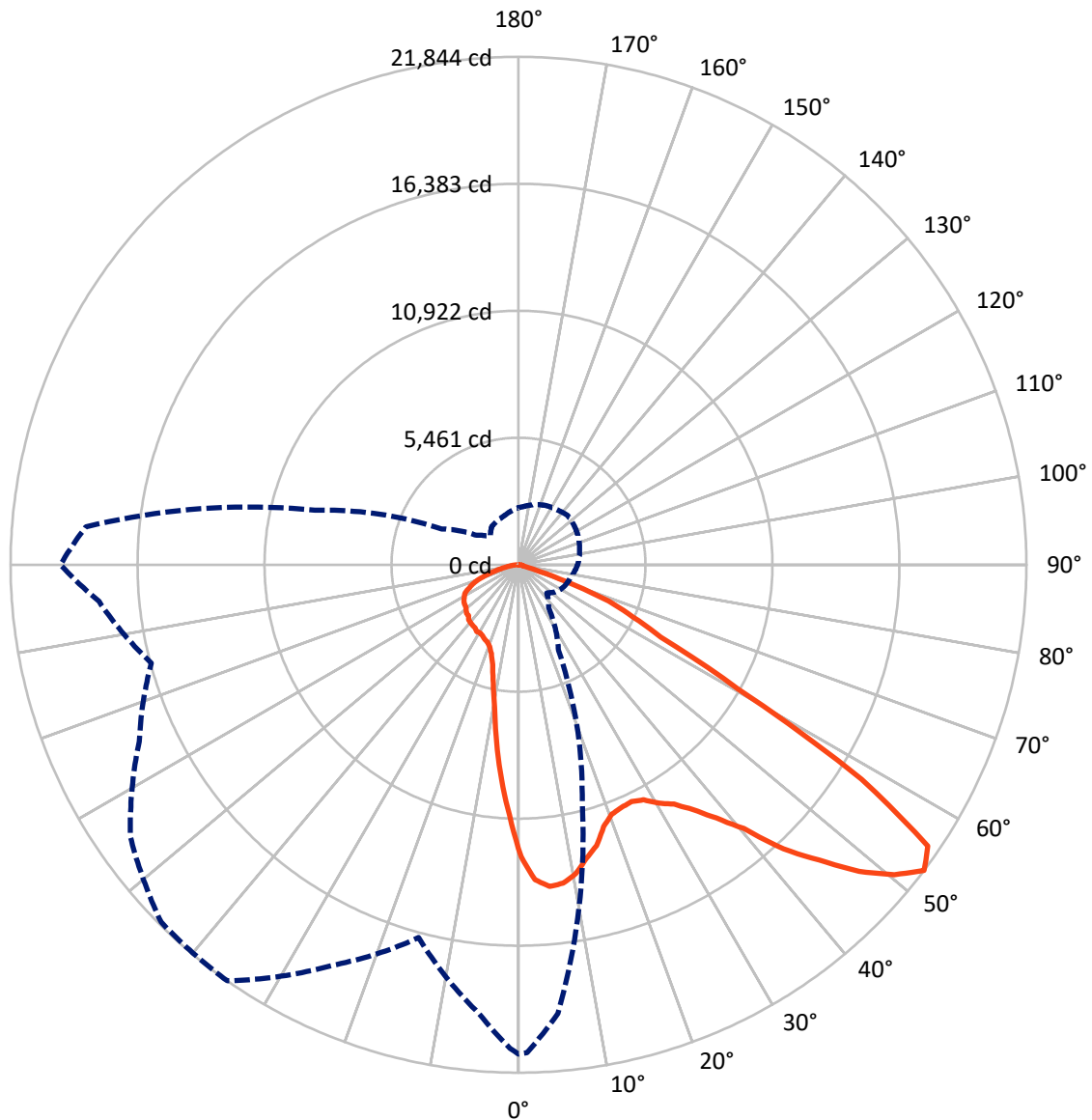
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.1 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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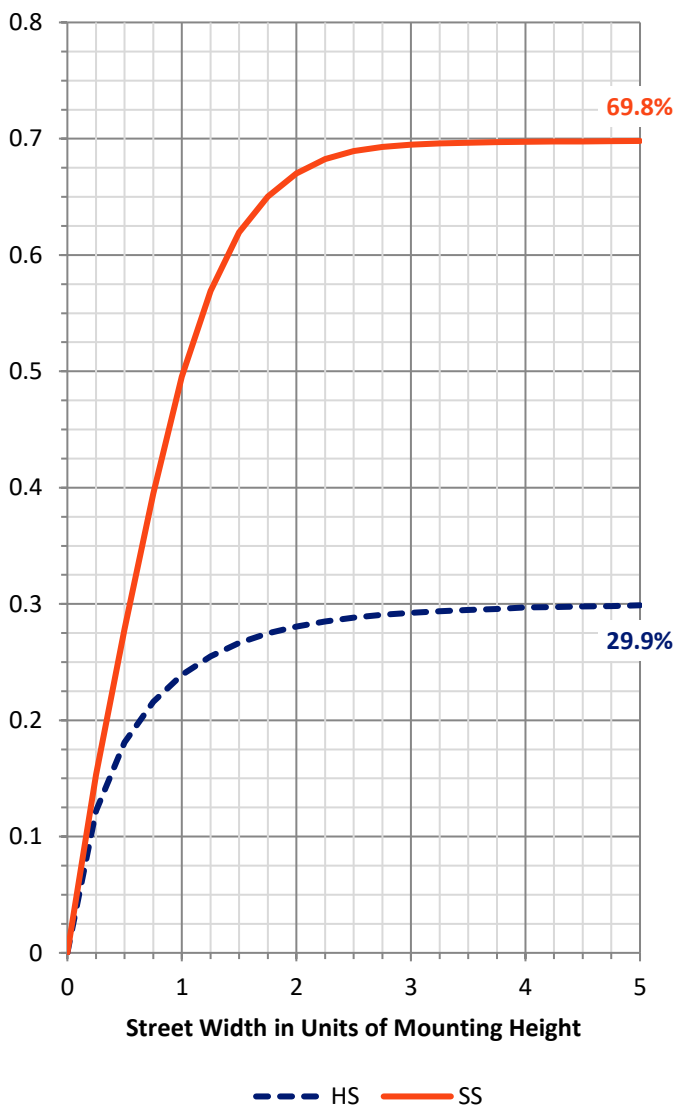
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8524.0	0.0	8524.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	19752.0	0.0	19752.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	28276.0	0.0	28276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.4	3.4
10°-20°	2075.5	7.3
20°-30°	3135.9	11.1
30°-40°	4531.5	16.0
40°-50°	6030.6	21.3
50°-60°	6745.3	23.9
60°-70°	3801.6	13.4
70°-80°	847.4	3.0
80°-90°	150.9	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°	28276.0	100.0
0°-180°	28276.0	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1
2.5°	12758.1	12963.0	12741.7	12348.2	12069.6	11815.5	11549.1	11495.8	11147.4	11086.0	10831.9
5°	12032.7	11987.6	11717.1	11200.7	10631.0	10114.7	9733.5	9364.7	9114.7	8823.7	8803.2
7.5°	11151.5	10889.2	10733.5	9950.7	9245.8	8434.3	8086.0	7524.5	7348.3	7086.0	6950.8
10°	10364.7	10172.0	9807.3	9024.5	8040.9	7504.0	7131.1	6827.8	6622.9	6352.4	6012.2
12.5°	9975.3	9897.4	9487.6	8274.5	7545.0	6971.2	6709.0	6413.9	6065.5	5631.1	5463.1
15°	10045.0	9782.7	9471.2	8131.1	7122.9	6569.6	6151.6	5782.7	5336.0	4922.1	4680.3
17.5°	10565.5	10364.7	9741.7	8221.2	6963.0	6163.9	5405.7	4860.6	4459.0	4086.0	3918.0
20°	11590.1	11299.1	10598.3	8336.0	6618.8	5598.3	4729.5	4057.3	3627.0	3430.3	3372.9
22.5°	12725.3	12553.2	11434.3	8594.2	6344.2	5073.7	4012.3	3340.1	3180.3	3127.0	3233.6
25°	14106.4	13659.7	12733.5	9016.3	6131.1	4627.0	3405.7	3032.8	2950.8	3004.1	3127.0
27.5°	15155.6	15036.7	13643.3	9413.8	5840.1	4090.1	3065.5	2819.6	2844.2	2897.5	3012.3
30°	16401.5	15799.0	14524.5	9688.4	5577.8	3721.3	2827.8	2762.3	2786.9	2877.0	2934.4
32.5°	17151.5	16926.1	15077.7	10102.4	5274.5	3401.6	2643.4	2581.9	2618.8	2754.1	2889.3
35°	18106.4	17659.7	15762.1	10208.9	5061.4	3274.6	2512.3	2467.2	2553.3	2647.5	2799.2
37.5°	19221.1	18913.8	16708.9	10135.2	4946.7	3143.4	2401.6	2381.1	2442.6	2573.7	2750.0
40°	19881.0	19786.7	17204.8	10180.2	4766.3	3028.7	2274.6	2299.2	2426.2	2528.7	2700.8
42.5°	20516.2	19901.5	17938.4	10163.8	4651.6	2872.9	2286.9	2258.2	2356.5	2475.4	2639.3
45°	20655.5	20044.9	18110.5	10049.1	4512.3	2721.3	2192.6	2204.9	2323.7	2471.3	2577.8
47.5°	20565.4	20114.6	18430.2	10016.3	4381.1	2614.7	2053.3	2200.8	2270.5	2389.3	2541.0
50°	20503.9	20479.3	18700.6	10172.0	4204.9	2446.7	1885.2	2147.5	2217.2	2336.0	2500.0
52.5°	21044.9	20991.6	19376.9	10581.9	4065.5	2266.4	1713.1	2012.3	2180.3	2295.1	2454.9
55°	21372.8	21139.1	20536.7	11086.0	3831.9	2028.7	1594.2	1844.2	2090.1	2192.6	2356.5
57.5°	19225.2	19065.4	18577.7	10348.3	3438.5	1717.2	1446.7	1672.1	1967.2	2127.0	2295.1
60°	15995.8	15745.8	14495.8	8795.0	2536.9	1336.1	1356.5	1536.9	1934.4	1995.9	2192.6
62.5°	15081.8	14463.0	12762.2	7077.8	1946.7	1147.5	1217.2	1413.9	1762.3	1864.7	2061.5
65°	11967.1	11508.1	9131.1	5110.6	1303.3	995.9	1110.6	1274.6	1520.5	1721.3	1901.6
67.5°	7491.7	7053.2	4872.9	2418.0	909.8	852.5	991.8	1163.9	1364.7	1545.1	1745.9
70°	3913.9	3434.4	2250.0	872.9	627.0	696.7	827.9	991.8	1188.5	1336.1	1491.8
72.5°	1459.0	1184.4	733.6	377.0	434.4	532.8	672.1	791.0	930.3	1110.6	1196.7
75°	225.4	192.6	188.5	229.5	295.1	385.2	479.5	598.4	721.3	836.1	893.4
77.5°	106.6	102.5	114.8	151.6	196.7	274.6	348.4	463.1	561.5	635.2	668.0
80°	69.7	65.6	73.8	102.5	147.5	204.9	278.7	356.6	446.7	508.2	500.0
82.5°	41.0	45.1	45.1	69.7	102.5	147.5	200.8	270.5	332.0	385.2	352.5
85°	24.6	20.5	20.5	41.0	69.7	118.9	168.0	114.8	118.9	118.9	135.2
87.5°	8.2	8.2	8.2	4.1	8.2	8.2	12.3	20.5	24.6	28.7	36.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1
2.5°	10823.7	10950.7	10905.6	10745.8	10868.8	10889.2	10807.3	11090.1	11143.3	11057.3	11081.9
5°	8774.5	8807.3	8881.1	9036.8	9147.5	9278.6	9278.6	9286.8	9176.1	9454.8	9372.9
7.5°	6836.0	6856.5	6942.6	7274.5	7368.8	7618.8	7725.3	7651.6	7430.3	7336.0	7413.9
10°	5901.6	5782.7	5754.0	5795.0	6008.1	6114.7	6204.9	6180.3	6143.4	6069.6	5987.6
12.5°	5278.6	5192.6	5122.9	5024.5	5036.8	5139.3	5209.0	5151.6	5168.0	5184.4	5209.0
15°	4602.4	4540.9	4504.1	4356.5	4340.1	4409.8	4434.4	4467.2	4528.6	4532.7	4504.1
17.5°	3885.2	3831.9	3913.9	3995.9	3938.5	3942.6	3987.7	4016.4	4000.0	3926.2	3889.3
20°	3393.4	3450.8	3532.8	3610.6	3672.1	3709.0	3725.4	3680.3	3627.0	3475.4	3471.3
22.5°	3250.0	3323.7	3393.4	3512.3	3569.6	3663.9	3577.8	3475.4	3401.6	3327.8	3241.8
25°	3143.4	3204.9	3344.2	3389.3	3500.0	3577.8	3516.4	3413.9	3286.9	3180.3	3114.7
27.5°	3065.5	3135.2	3225.4	3348.3	3434.4	3479.5	3418.0	3377.0	3245.9	3118.8	3024.6
30°	3016.4	3090.1	3254.1	3356.5	3430.3	3467.2	3360.6	3311.4	3217.2	3110.6	3028.7
32.5°	2983.6	3049.2	3188.5	3319.6	3368.8	3368.8	3385.2	3327.8	3196.7	3016.4	2946.7
35°	2877.0	2967.2	3081.9	3233.6	3323.7	3377.0	3295.1	3229.5	3143.4	2959.0	2831.9
37.5°	2815.5	2877.0	3024.6	3168.0	3245.9	3303.2	3270.5	3155.7	3041.0	2889.3	2786.9
40°	2750.0	2848.3	2979.5	3114.7	3200.8	3258.2	3233.6	3098.3	2959.0	2815.5	2745.9
42.5°	2704.9	2770.5	2905.7	3057.3	3159.8	3270.5	3196.7	3028.7	2930.3	2733.6	2655.7
45°	2668.0	2774.6	2918.0	2979.5	3086.0	3200.8	3069.6	2967.2	2852.4	2709.0	2643.4
47.5°	2622.9	2721.3	2815.5	2979.5	3028.7	3081.9	3057.3	2893.4	2795.1	2639.3	2594.2
50°	2606.5	2643.4	2815.5	2905.7	2975.4	3028.7	2963.1	2840.1	2745.9	2586.0	2487.7
52.5°	2541.0	2610.6	2721.3	2840.1	2926.2	2991.8	2885.2	2807.4	2680.3	2512.3	2450.8
55°	2459.0	2500.0	2696.7	2819.6	2864.7	2909.8	2868.8	2741.8	2610.6	2438.5	2377.0
57.5°	2352.4	2446.7	2606.5	2778.7	2836.0	2860.6	2795.1	2692.6	2528.7	2377.0	2278.7
60°	2241.8	2340.1	2516.4	2655.7	2713.1	2803.3	2704.9	2643.4	2454.9	2286.9	2180.3
62.5°	2131.1	2241.8	2372.9	2549.2	2598.3	2635.2	2610.6	2524.6	2372.9	2184.4	2053.3
65°	2000.0	2081.9	2245.9	2336.0	2368.8	2454.9	2368.8	2336.0	2200.8	2020.5	1909.8
67.5°	1803.3	1872.9	2016.4	2102.4	2127.0	2163.9	2159.8	2122.9	1971.3	1848.3	1750.0
70°	1577.9	1639.3	1729.5	1832.0	1844.2	1889.3	1848.3	1840.1	1741.8	1573.8	1520.5
72.5°	1266.4	1323.8	1442.6	1487.7	1491.8	1508.2	1487.7	1459.0	1434.4	1258.2	1204.9
75°	971.3	1004.1	1061.5	1102.4	1102.4	1122.9	1110.6	1082.0	1016.4	905.7	852.5
77.5°	676.2	709.0	782.8	807.4	803.3	811.5	774.6	745.9	647.5	590.2	545.1
80°	491.8	512.3	549.2	565.6	569.7	582.0	536.9	512.3	454.9	389.3	368.8
82.5°	356.6	368.8	372.9	393.4	393.4	372.9	360.7	336.1	295.1	254.1	237.7
85°	147.5	151.6	155.7	180.3	184.4	221.3	204.9	192.6	168.0	143.4	131.1
87.5°	36.9	41.0	53.3	45.1	53.3	53.3	57.4	65.6	65.6	53.3	53.3
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1
2.5°	11176.1	11208.9	11626.9	11680.2	11885.1	12094.1	12516.3	12819.6	13065.5	13225.3	13270.4
5°	9458.9	9667.9	9860.6	10172.0	10454.8	10856.5	11319.6	11893.3	12614.6	12983.5	13131.0
7.5°	7405.7	7651.6	7930.3	8233.5	8647.5	9368.8	9987.6	10651.5	11573.7	11954.8	12532.7
10°	6045.0	6319.6	6688.5	6922.1	7422.1	8110.6	8831.9	9598.3	10479.4	11028.6	11696.6
12.5°	5344.2	5569.6	5909.8	6401.6	6774.5	7221.2	7758.1	8725.3	9987.6	10508.1	10967.1
15°	4569.6	4819.6	5213.1	5758.1	6204.9	6737.6	7340.1	8393.4	9737.6	10540.9	10930.2
17.5°	3930.3	4110.6	4524.5	4995.9	5508.1	6090.1	6954.9	8377.0	9999.9	11028.6	11663.8
20°	3487.7	3512.3	3737.7	4139.3	4836.0	5594.2	6717.2	8295.0	10840.1	11868.7	12672.0
22.5°	3209.0	3184.4	3188.5	3528.7	4016.4	5106.5	6344.2	8573.7	11795.0	13204.8	13745.8
25°	3069.6	3004.1	2963.1	3036.9	3479.5	4528.6	6061.4	8942.5	12823.7	14307.2	14971.2
27.5°	2995.9	2881.1	2799.2	2811.4	3135.2	4237.7	5885.2	9102.4	13844.1	15844.1	16077.7
30°	2967.2	2823.7	2704.9	2663.9	2877.0	3831.9	5508.1	9377.0	14758.1	16688.4	16889.2
32.5°	2864.7	2688.5	2573.7	2536.9	2622.9	3475.4	5237.7	9573.7	15565.4	17606.4	17536.7
35°	2745.9	2598.3	2454.9	2385.2	2446.7	3245.9	5020.4	9479.4	16516.2	18319.5	18282.6
37.5°	2733.6	2541.0	2422.1	2307.4	2303.3	2963.1	4725.4	9569.6	17122.8	19598.2	19094.1
40°	2627.0	2504.1	2348.3	2254.1	2200.8	2819.6	4438.5	9356.5	18012.1	20114.6	19618.7
42.5°	2631.1	2446.7	2311.5	2200.8	2147.5	2610.6	4241.8	9299.1	18323.6	20954.7	19864.6
45°	2565.5	2385.2	2270.5	2139.3	2110.6	2450.8	4053.2	9032.7	18872.8	20995.7	19557.2
47.5°	2500.0	2340.1	2217.2	2061.5	1995.9	2393.4	3905.7	8811.4	18585.9	20610.5	19131.0
50°	2454.9	2270.5	2155.7	2045.1	1860.6	2295.1	3713.1	8758.1	18184.3	20090.0	18340.0
52.5°	2377.0	2213.1	2094.2	2008.2	1713.1	2204.9	3639.3	9069.6	18676.1	19700.6	18110.5
55°	2303.3	2135.2	1983.6	1815.6	1590.1	1967.2	3434.4	9360.6	19393.3	20598.2	19151.5
57.5°	2225.4	2065.6	1901.6	1700.8	1471.3	1721.3	3221.3	9413.8	18049.0	19036.7	18180.2
60°	2122.9	1918.0	1795.1	1532.8	1344.2	1426.2	2553.3	8299.1	13999.9	15897.4	15926.1
62.5°	2008.2	1786.9	1680.3	1372.9	1213.1	1229.5	2081.9	6975.3	11356.5	13159.7	13942.5
65°	1856.5	1643.4	1516.4	1270.5	1118.8	1065.6	1524.6	5110.6	8627.0	10676.1	11565.5
67.5°	1659.8	1459.0	1299.2	1106.5	1000.0	913.9	1041.0	2877.0	5094.2	7168.0	7438.5
70°	1450.8	1278.7	1110.6	950.8	832.0	770.5	762.3	1274.6	2434.4	3856.5	4389.3
72.5°	1143.4	1020.5	885.2	766.4	688.5	598.4	545.1	528.7	823.8	1569.7	2168.0
75°	819.7	717.2	639.3	561.5	504.1	454.9	413.9	377.0	344.3	393.4	541.0
77.5°	516.4	479.5	418.0	397.5	364.8	352.5	336.1	315.6	291.0	274.6	274.6
80°	348.4	323.8	303.3	299.2	286.9	282.8	286.9	266.4	241.8	221.3	229.5
82.5°	233.6	229.5	225.4	221.3	225.4	229.5	237.7	233.6	213.1	200.8	204.9
85°	139.3	147.5	155.7	163.9	180.3	159.8	131.1	110.7	98.4	90.2	86.1
87.5°	53.3	73.8	65.6	61.5	65.6	61.5	57.4	53.3	45.1	41.0	41.0
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: P531228

CATALOG NUMBER: GALN-SA6C-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1	12549.1
2.5°	13569.5	13651.5	13721.2	13704.8	13561.3	13368.7	13290.9	12893.3	12811.4	12758.1
5°	13754.0	14229.4	14331.8	14270.4	13897.4	13426.1	12967.1	12385.1	12045.0	12032.7
7.5°	13413.8	13999.9	14184.3	14323.6	13827.7	13008.1	12221.2	11348.3	11135.1	11151.5
10°	12549.1	13483.5	13938.4	14081.8	13512.2	12803.2	11713.0	10827.8	10372.9	10364.7
12.5°	12069.6	12803.2	12930.2	13131.0	12963.0	12245.8	11417.9	10426.1	9983.5	9975.3
15°	11643.3	12126.9	12163.8	12446.6	12536.8	12053.2	11495.8	10438.4	10081.9	10045.0
17.5°	12016.3	11680.2	11540.9	11577.8	11844.2	12020.4	11946.6	11135.1	10770.4	10565.5
20°	12266.3	11516.3	11094.2	11135.1	11450.7	12094.1	12618.7	12143.3	11565.5	11590.1
22.5°	12934.3	11540.9	10881.0	10836.0	11336.0	12479.4	13376.9	13417.9	12860.5	12725.3
25°	13934.3	11823.7	10815.5	10803.2	11282.7	12893.3	14262.2	14926.1	14356.4	14106.4
27.5°	14737.6	12266.3	11020.4	11061.4	11450.7	13229.4	15016.3	15897.4	15463.0	15155.6
30°	15442.5	12725.3	11307.3	11118.7	11901.5	13405.6	15340.0	17003.9	16655.6	16401.5
32.5°	15733.5	13376.9	11762.2	11450.7	12274.5	13618.7	16012.1	18077.7	17778.5	17151.5
35°	16225.3	13741.7	12008.1	11983.5	12926.1	14131.0	16327.7	18786.7	18663.8	18106.4
37.5°	16618.7	14110.5	12881.0	12610.5	13819.5	14991.7	16835.9	19766.2	19483.4	19221.1
40°	16922.0	14770.4	13696.6	14053.1	14917.9	15774.4	17303.1	19827.7	20643.2	19881.0
42.5°	16643.3	15360.5	15036.7	15889.2	16708.9	16667.9	17356.4	20303.1	20913.7	20516.2
45°	16573.6	16360.5	17155.6	17930.2	18118.7	17409.7	16975.3	19778.5	20831.8	20655.5
47.5°	16405.6	17344.1	18729.3	19991.6	19704.7	17905.6	16520.3	19684.2	20881.0	20565.4
50°	16348.2	17557.2	19893.3	21122.8	20950.6	18335.9	16307.2	19077.7	20532.6	20503.9
52.5°	16344.1	17995.7	20376.9	21737.5	21844.1	19016.2	16598.2	19385.1	20803.1	21044.9
55°	16528.5	17856.4	20315.4	21397.3	21356.4	18712.9	16631.0	19590.0	21135.0	21372.8
57.5°	15590.0	15995.8	16766.2	17622.8	17401.5	15499.9	14852.3	18110.5	19397.4	19225.2
60°	13463.0	12192.5	11323.7	11282.7	10852.4	10258.1	12155.6	16163.8	16163.8	15995.8
62.5°	11790.9	8004.0	6877.0	6557.3	6864.7	7549.1	11725.3	15721.2	15274.4	15081.8
65°	10311.4	6110.6	4971.3	4881.1	5413.9	6446.7	10602.4	13393.3	12606.4	11967.1
67.5°	6635.2	4475.4	3696.7	3536.9	4180.3	4733.6	7057.3	8237.6	7741.7	7491.7
70°	4278.6	2913.9	2057.4	1930.3	2180.3	2918.0	4508.2	4803.2	4081.9	3913.9
72.5°	2024.6	1258.2	721.3	594.3	668.0	1114.7	1782.8	1918.0	1594.2	1459.0
75°	643.4	463.1	295.1	254.1	241.8	286.9	409.8	315.6	229.5	225.4
77.5°	286.9	274.6	233.6	196.7	172.1	143.4	118.9	98.4	102.5	106.6
80°	237.7	217.2	192.6	172.1	143.4	110.7	86.1	65.6	65.6	69.7
82.5°	209.0	188.5	168.0	143.4	122.9	90.2	65.6	45.1	41.0	41.0
85°	90.2	106.6	114.8	122.9	98.4	73.8	45.1	28.7	24.6	24.6
87.5°	36.9	32.8	28.7	24.6	20.5	20.5	16.4	12.3	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)