

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: P530055

Luminaire Tested: **GALN-SA5B-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530055  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5B-730-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14347 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

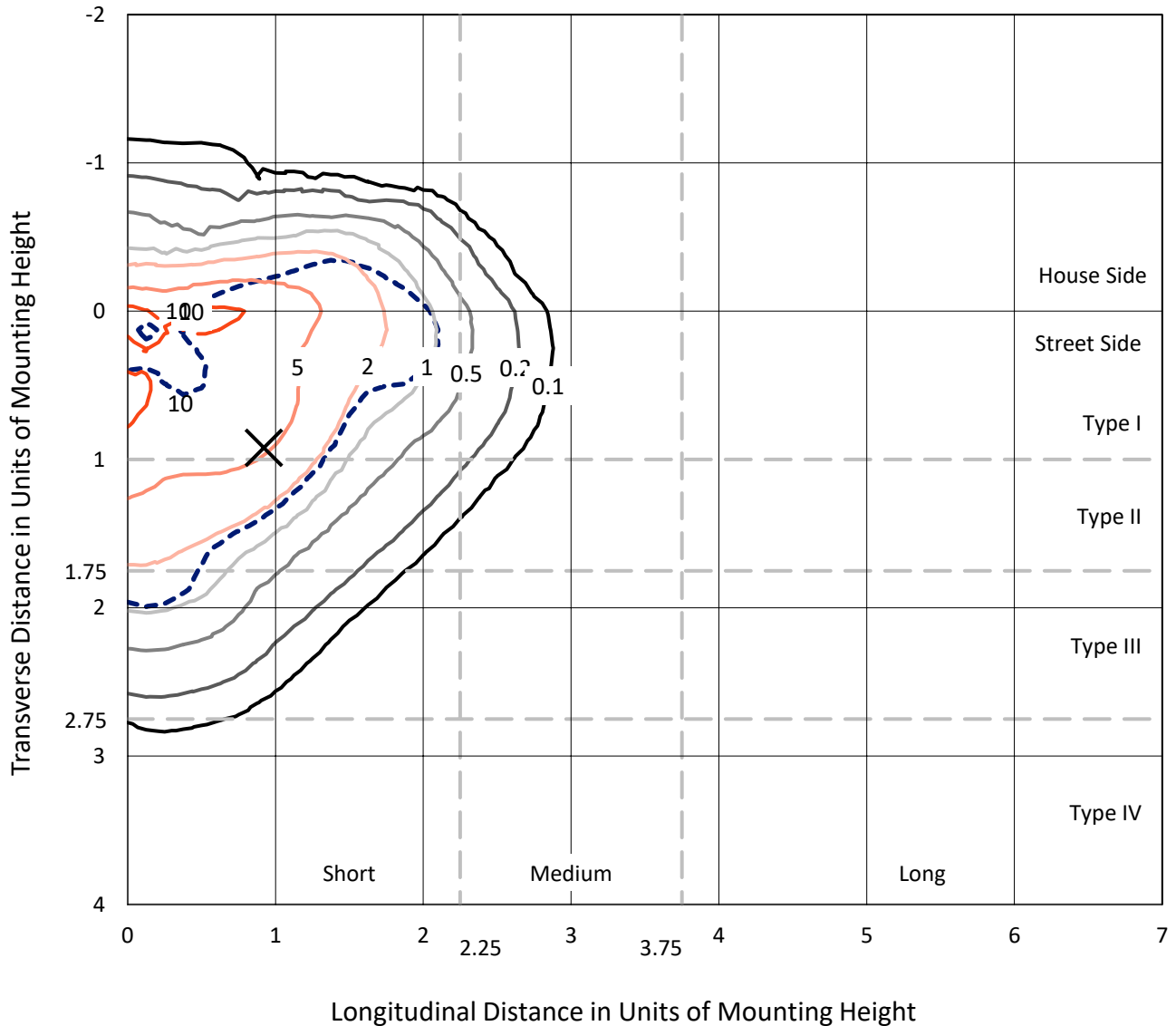
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

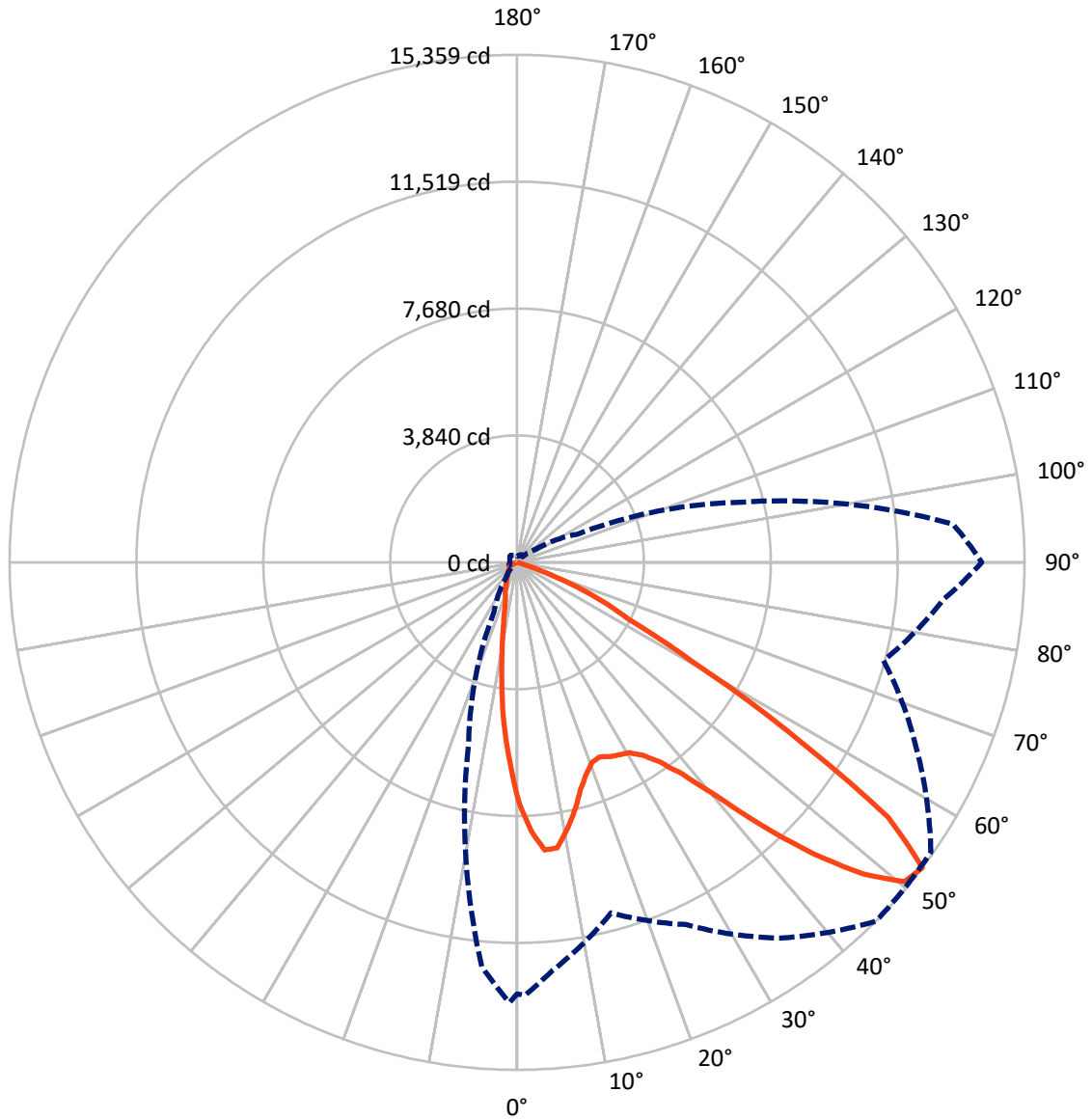
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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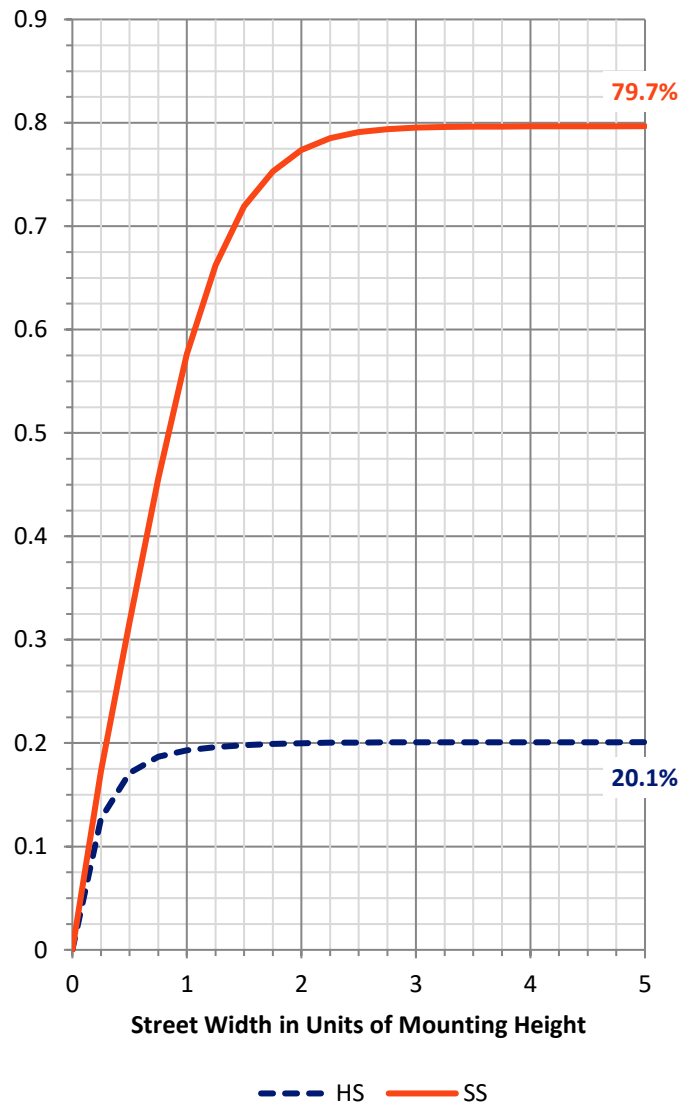
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2911.7	0.0	2911.7
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	11435.3	0.0	11435.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	14347.0	0.0	14347.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	530.5	3.7
10°-20°	1046.7	7.3
20°-30°	1592.9	11.1
30°-40°	2380.8	16.6
40°-50°	3390.5	23.6
50°-60°	3644.7	25.4
60°-70°	1615.0	11.3
70°-80°	130.7	0.9
80°-90°	15.2	0.1
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°	14347.0	100.0
0°-180°	14347.0	100.0

**Coefficient of Utilization**



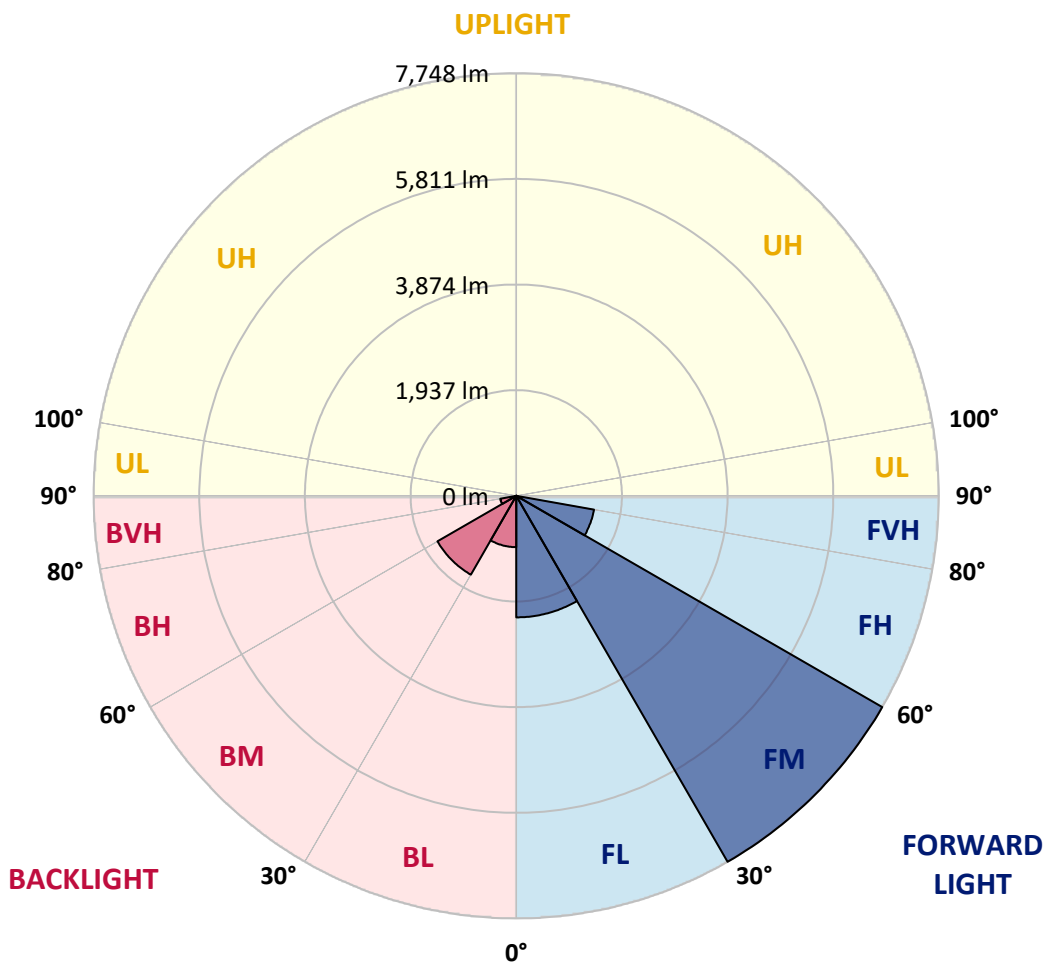
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2228.4	15.5			
FM (30°-60°)	7747.8	54.0			
FH (60°-80°)	1447.8	10.1			G1/1800
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	941.8	6.6	B2/1000		
BM (30°-60°)	1668.1	11.6	B2/2500		
BH (60°-80°)	297.9	2.1	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
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°	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6
2.5°	7697.9	7720.4	7844.6	7999.8	8081.6	8267.9	8138.1	8171.9	8101.4	7853.1	7658.4
5°	7463.7	7460.8	7618.9	8002.6	8366.6	8736.3	8747.6	8550.0	8203.0	7822.0	7277.4
7.5°	6758.2	6868.3	7031.9	7644.3	8318.7	8595.2	8727.8	8496.4	7963.1	7418.5	6828.8
10°	6224.9	6281.3	6557.9	7297.2	7791.0	8160.6	8242.5	8109.8	7700.7	7020.6	6360.3
12.5°	5917.3	5945.5	6270.0	6890.8	7412.9	7686.6	7726.1	7788.2	7494.7	6857.0	6064.0
15°	5920.1	5942.7	6380.1	6899.3	7105.3	7031.9	7161.7	7158.9	7285.9	6825.9	6312.4
17.5°	6346.2	6371.6	6766.7	7023.5	6933.2	6761.0	6752.6	6882.4	7150.4	7212.5	6687.7
20°	7079.9	7139.1	7429.8	7415.7	6907.8	6560.7	6464.7	6563.5	7187.1	7539.8	7443.9
22.5°	8067.5	8149.4	8352.5	7963.1	7023.5	6425.2	6394.2	6586.1	7429.8	8270.7	8301.7
25°	9213.2	9351.4	9450.2	8950.7	7435.4	6659.4	6512.7	6842.9	7757.1	9063.6	9393.8
27.5°	9972.2	10116.1	10093.6	9379.7	7712.0	6721.5	6597.4	6904.9	8042.1	9252.7	9963.8
30°	10564.8	10652.3	10810.3	9611.0	7988.5	6896.5	6684.8	7167.4	8135.2	9580.0	10652.3
32.5°	11256.2	11315.4	11326.7	10020.2	8414.6	7116.6	6955.7	7494.7	8547.2	9893.2	11261.8
35°	11953.1	12040.6	11857.2	10525.3	8677.0	7525.7	7407.2	8061.9	8877.4	10217.7	11933.4
37.5°	12709.4	12754.5	12331.3	10734.1	9052.3	8191.7	8126.8	8674.2	9450.2	10804.7	12678.3
40°	13344.3	13386.6	12836.4	10990.9	9447.4	9122.9	9289.4	9842.4	10229.0	11185.6	13050.8
42.5°	13697.0	13795.8	13005.7	10849.8	10240.3	10178.2	10917.5	11112.2	11132.0	11292.8	13383.8
45°	13792.9	13747.8	12726.3	10965.5	10934.5	11913.6	12585.2	12842.0	12029.3	11490.4	13468.4
47.5°	13349.9	13409.2	12314.3	10863.9	11845.9	13228.6	14097.7	14574.6	12698.1	11318.2	13259.6
50°	12991.6	12915.4	12181.7	10790.6	12091.4	13849.4	15189.7	15297.0	13313.2	11529.9	13031.1
52.5°	13062.1	13110.1	12393.3	10985.3	12097.0	13886.1	15359.0	15285.7	13333.0	11481.9	12949.2
55°	13211.7	13000.0	12303.0	10556.3	11287.2	12861.8	13632.1	13519.2	12305.9	10971.2	12748.9
57.5°	11400.1	11727.4	11312.6	9424.8	9264.0	9690.1	9675.9	10023.0	9179.3	9441.7	11606.1
60°	9252.7	9309.1	9464.3	8061.9	6411.1	6264.4	6061.2	5841.1	6176.9	8073.2	10556.3
62.5°	8138.1	8070.3	8623.4	7333.9	4526.2	3789.7	3755.8	3891.3	4766.0	7700.7	9901.7
65°	5914.5	5999.1	6399.8	5691.6	3397.4	2892.3	2841.6	3242.2	3857.4	6171.3	7556.8
67.5°	3611.9	3775.6	3812.2	3510.3	2305.4	1831.3	1758.0	2122.0	2785.1	3992.8	4430.2
70°	1667.7	1865.2	2051.4	1916.0	1334.7	753.4	711.1	891.7	1405.3	2296.9	2350.6
72.5°	505.1	507.9	711.1	742.1	431.7	169.3	149.6	197.5	476.9	759.1	798.6
75°	36.7	39.5	95.9	110.1	81.8	42.3	45.1	53.6	101.6	169.3	127.0
77.5°	2.8	2.8	2.8	14.1	25.4	28.2	36.7	42.3	53.6	62.1	56.4
80°	2.8	0.0	2.8	11.3	19.8	28.2	33.9	39.5	42.3	48.0	42.3
82.5°	0.0	0.0	0.0	8.5	19.8	28.2	31.0	42.3	48.0	56.4	48.0
85°	0.0	0.0	0.0	8.5	19.8	31.0	28.2	14.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6
2.5°	7692.2	7582.2	7331.0	7204.1	6904.9	6862.6	6569.1	6521.2	6422.4	6368.8	6239.0
5°	7037.6	6904.9	6495.8	6151.5	5750.8	5471.5	5257.0	5062.3	4949.4	4845.0	4893.0
7.5°	6504.2	6117.7	5663.3	5087.7	4624.9	4325.8	3998.5	3730.4	3572.4	3465.2	3490.6
10°	5945.5	5694.4	5062.3	4416.1	3857.4	3645.8	3389.0	3183.0	2960.1	2768.2	2677.9
12.5°	5770.6	5398.1	4605.2	3947.7	3524.4	3318.4	3025.0	2787.9	2502.9	2268.7	2186.9
15°	5801.6	5443.2	4481.0	3778.4	3278.9	2923.4	2573.5	2280.0	1966.8	1803.1	1718.5
17.5°	6306.7	5685.9	4562.8	3600.6	2937.5	2443.7	2011.9	1639.5	1405.3	1235.9	1199.3
20°	6927.5	6210.8	4737.8	3470.8	2658.1	1944.2	1470.2	1148.5	953.8	925.5	917.1
22.5°	7836.1	7068.6	5113.1	3383.3	2316.7	1515.3	1007.4	835.3	781.6	776.0	778.8
25°	9105.9	8143.7	5522.3	3310.0	2059.9	1168.2	824.0	708.3	691.3	682.9	697.0
27.5°	9656.2	8792.7	5739.5	3151.9	1825.7	1052.5	812.7	702.6	654.7	640.5	649.0
30°	10336.2	9224.5	6081.0	2881.1	1481.4	866.3	759.1	764.7	742.1	671.6	649.0
32.5°	11239.2	9763.4	6253.1	2689.2	1323.4	716.7	555.9	510.7	570.0	581.3	601.0
35°	11817.7	10310.9	6340.6	2576.3	1241.6	612.3	471.2	428.9	414.8	417.6	428.9
37.5°	12892.8	11050.2	6450.6	2457.8	1179.5	533.3	426.1	386.6	366.8	366.8	378.1
40°	13536.2	11637.1	6600.2	2392.9	1117.4	485.3	386.6	352.7	335.8	335.8	341.4
42.5°	13697.0	11927.7	6549.4	2370.3	1046.9	474.1	352.7	327.3	307.6	304.8	301.9
45°	13984.8	12370.8	6557.9	2344.9	973.5	431.7	333.0	304.8	276.5	273.7	270.9
47.5°	14300.9	12689.6	6574.8	2246.2	903.0	361.2	347.1	282.2	248.3	242.7	242.7
50°	14030.0	12943.6	6721.5	2147.4	812.7	293.5	341.4	265.2	220.1	211.6	214.5
52.5°	14063.8	13242.7	7031.9	2009.1	699.8	234.2	276.5	251.1	200.3	186.2	189.1
55°	13522.1	12926.7	7074.2	1862.4	547.4	180.6	211.6	220.1	169.3	163.7	163.7
57.5°	11639.9	10945.8	6241.8	1509.7	361.2	149.6	152.4	191.9	146.7	141.1	143.9
60°	9960.9	8787.1	5022.8	996.1	225.7	118.5	110.1	194.7	129.8	127.0	135.4
62.5°	9080.5	7221.0	3809.4	618.0	155.2	90.3	76.2	158.0	112.9	112.9	124.2
65°	6560.7	4850.7	2215.1	324.5	110.1	70.5	56.4	90.3	93.1	95.9	101.6
67.5°	4063.4	2449.3	934.0	158.0	73.4	48.0	36.7	56.4	62.1	62.1	67.7
70°	2006.3	976.3	310.4	90.3	56.4	39.5	25.4	31.0	31.0	28.2	31.0
72.5°	620.8	293.5	79.0	56.4	39.5	25.4	14.1	11.3	5.6	0.0	2.8
75°	70.5	56.4	50.8	39.5	25.4	11.3	2.8	0.0	0.0	0.0	0.0
77.5°	42.3	48.0	48.0	39.5	25.4	8.5	0.0	0.0	0.0	0.0	0.0
80°	33.9	36.7	39.5	36.7	22.6	11.3	0.0	0.0	0.0	0.0	0.0
82.5°	42.3	48.0	53.6	48.0	31.0	14.1	5.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.5	2.8	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6
2.5°	6185.4	6123.3	6210.8	6081.0	6078.2	6081.0	6044.3	6010.4	6064.0	6208.0	6222.1
5°	4720.9	4853.5	4895.8	5034.1	4957.9	4845.0	4867.6	4791.4	4977.7	5059.5	4994.6
7.5°	3437.0	3428.5	3713.5	3730.4	3767.1	3769.9	3764.3	3614.7	3462.3	3496.2	3597.8
10°	2666.6	2522.7	2661.0	2646.8	2737.1	2711.7	2748.4	2587.6	2641.2	2641.2	2706.1
12.5°	2172.8	2020.4	1995.0	1958.3	1995.0	2009.1	2023.2	1992.2	2082.5	2124.8	2170.0
15°	1659.2	1574.6	1552.0	1481.4	1492.7	1532.2	1566.1	1580.2	1552.0	1616.9	1622.5
17.5°	1204.9	1202.1	1216.2	1213.4	1202.1	1193.6	1190.8	1154.1	1142.8	1148.5	1171.0
20°	914.3	936.8	984.8	1032.8	1058.2	1027.1	984.8	922.7	897.3	903.0	905.8
22.5°	781.6	815.5	880.4	934.0	959.4	903.0	826.8	773.2	761.9	759.1	756.2
25°	708.3	747.8	795.7	812.7	809.9	776.0	719.6	697.0	691.3	685.7	660.3
27.5°	668.8	682.9	691.3	711.1	719.6	697.0	682.9	649.0	643.4	643.4	626.4
30°	646.2	637.7	649.0	634.9	646.2	629.3	632.1	632.1	618.0	623.6	623.6
32.5°	601.0	603.9	603.9	575.6	584.1	564.4	584.1	601.0	603.9	606.7	629.3
35°	440.2	491.0	516.4	516.4	524.9	510.7	507.9	488.2	462.8	437.4	426.1
37.5°	386.6	406.3	440.2	460.0	474.1	462.8	437.4	406.3	392.2	380.9	369.7
40°	344.3	361.2	383.8	406.3	434.6	420.4	380.9	366.8	349.9	349.9	338.6
42.5°	310.4	318.9	333.0	366.8	397.9	369.7	341.4	330.2	321.7	318.9	316.0
45°	279.4	282.2	296.3	324.5	361.2	333.0	304.8	290.6	293.5	296.3	293.5
47.5°	251.1	256.8	265.2	299.1	321.7	307.6	276.5	268.1	268.1	268.1	270.9
50°	217.3	231.4	248.3	276.5	293.5	285.0	259.6	248.3	242.7	242.7	245.5
52.5°	194.7	206.0	228.6	262.4	285.0	270.9	245.5	228.6	217.3	214.5	220.1
55°	169.3	189.1	225.7	251.1	282.2	268.1	239.9	220.1	200.3	197.5	197.5
57.5°	152.4	183.4	217.3	248.3	273.7	262.4	239.9	214.5	189.1	186.2	186.2
60°	143.9	177.8	211.6	239.9	273.7	256.8	237.0	208.8	180.6	180.6	177.8
62.5°	135.4	166.5	200.3	228.6	262.4	248.3	228.6	200.3	172.1	172.1	166.5
65°	112.9	143.9	166.5	191.9	228.6	214.5	194.7	175.0	152.4	146.7	149.6
67.5°	79.0	98.8	121.3	146.7	169.3	163.7	155.2	141.1	121.3	118.5	115.7
70°	39.5	53.6	73.4	98.8	118.5	112.9	107.2	95.9	84.7	81.8	81.8
72.5°	5.6	16.9	31.0	45.1	62.1	64.9	62.1	59.3	56.4	53.6	56.4
75°	0.0	0.0	0.0	11.3	25.4	31.0	36.7	42.3	42.3	36.7	45.1
77.5°	0.0	0.0	0.0	0.0	2.8	14.1	28.2	36.7	45.1	39.5	53.6
80°	0.0	0.0	0.0	0.0	2.8	16.9	28.2	39.5	45.1	39.5	56.4
82.5°	0.0	0.0	0.0	0.0	2.8	19.8	28.2	36.7	42.3	39.5	50.8
85°	0.0	0.0	0.0	0.0	8.5	16.9	11.3	5.6	2.8	2.8	8.5
87.5°	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P530055

CATALOG NUMBER: GALN-SA5B-730-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6	7274.6
2.5°	6301.1	6501.4	6715.9	6797.7	7051.7	7243.6	7373.4	7652.7	7695.0	7697.9
5°	5062.3	5163.9	5530.7	5702.9	6081.0	6374.4	6687.7	7139.1	7441.1	7463.7
7.5°	3597.8	3880.0	4035.2	4483.8	4949.4	5409.4	5875.0	6399.8	6749.7	6758.2
10°	2895.2	3078.6	3355.1	3690.9	4083.1	4551.6	5172.4	5781.9	6137.4	6224.9
12.5°	2330.8	2652.5	2968.5	3315.6	3614.7	3967.4	4636.2	5448.9	5742.4	5917.3
15°	1794.7	2088.1	2460.6	2866.9	3205.6	3676.8	4438.7	5367.1	5860.9	5920.1
17.5°	1323.4	1585.9	1930.1	2313.9	2821.8	3490.6	4472.6	5781.9	6247.5	6346.2
20°	950.9	1103.3	1374.2	1820.1	2466.3	3273.3	4506.4	6202.3	6910.6	7079.9
22.5°	753.4	815.5	993.3	1388.3	2068.4	3044.7	4746.3	7006.5	7822.0	8067.5
25°	654.7	688.5	773.2	1094.9	1817.2	3022.1	5130.0	7971.6	9035.4	9213.2
27.5°	632.1	637.7	711.1	1004.6	1681.8	2872.6	5276.8	8657.3	9791.6	9972.2
30°	665.9	756.2	761.9	849.4	1430.7	2576.3	5353.0	9320.4	10432.2	10564.8
32.5°	575.6	547.4	567.2	657.5	1258.5	2404.2	5496.9	9898.9	11163.0	11256.2
35°	400.7	420.4	465.6	570.0	1100.5	2223.6	5533.5	10536.6	11857.2	11953.1
37.5°	369.7	380.9	417.6	485.3	967.9	2122.0	5482.8	11002.2	12576.8	12709.4
40°	344.3	358.4	378.1	440.2	869.1	2009.1	5412.2	11422.6	13017.0	13344.3
42.5°	324.5	335.8	352.7	420.4	784.5	1896.2	5313.4	12015.2	13412.0	13697.0
45°	301.9	318.9	338.6	409.2	736.5	1820.1	5240.1	11978.5	13640.6	13792.9
47.5°	279.4	307.6	330.2	380.9	722.4	1783.4	5271.1	11840.3	13454.3	13349.9
50°	256.8	293.5	333.0	316.0	688.5	1710.0	5307.8	12029.3	13011.3	12991.6
52.5°	237.0	279.4	310.4	259.6	612.3	1639.5	5663.3	12277.6	13324.5	13062.1
55°	208.8	251.1	248.3	208.8	496.6	1585.9	5942.7	12283.3	13112.9	13211.7
57.5°	189.1	222.9	194.7	175.0	366.8	1326.2	5488.4	10299.6	11225.1	11400.1
60°	175.0	217.3	146.7	138.3	239.9	956.6	4791.4	7977.2	8922.5	9252.7
62.5°	160.8	206.0	115.7	112.9	166.5	680.1	3939.2	6676.4	7689.4	8138.1
65°	141.1	146.7	93.1	87.5	118.5	366.8	2398.5	4596.7	5748.0	5914.5
67.5°	115.7	112.9	76.2	70.5	79.0	177.8	1058.2	2302.6	3332.5	3611.9
70°	93.1	93.1	64.9	56.4	56.4	81.8	276.5	917.1	1506.8	1667.7
72.5°	67.7	70.5	50.8	45.1	42.3	39.5	45.1	183.4	395.1	505.1
75°	59.3	62.1	50.8	39.5	31.0	25.4	19.8	16.9	22.6	36.7
77.5°	64.9	64.9	53.6	36.7	28.2	19.8	11.3	5.6	5.6	2.8
80°	81.8	84.7	70.5	48.0	33.9	22.6	14.1	5.6	2.8	2.8
82.5°	87.5	95.9	79.0	59.3	42.3	25.4	14.1	2.8	0.0	0.0
85°	22.6	36.7	62.1	53.6	42.3	25.4	14.1	2.8	0.0	0.0
87.5°	0.0	2.8	8.5	8.5	11.3	11.3	8.5	2.8	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

(END OF REPORT)