

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: P532865

Luminaire Tested: **GALN-SA8B-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532865  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8B-730-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23134 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

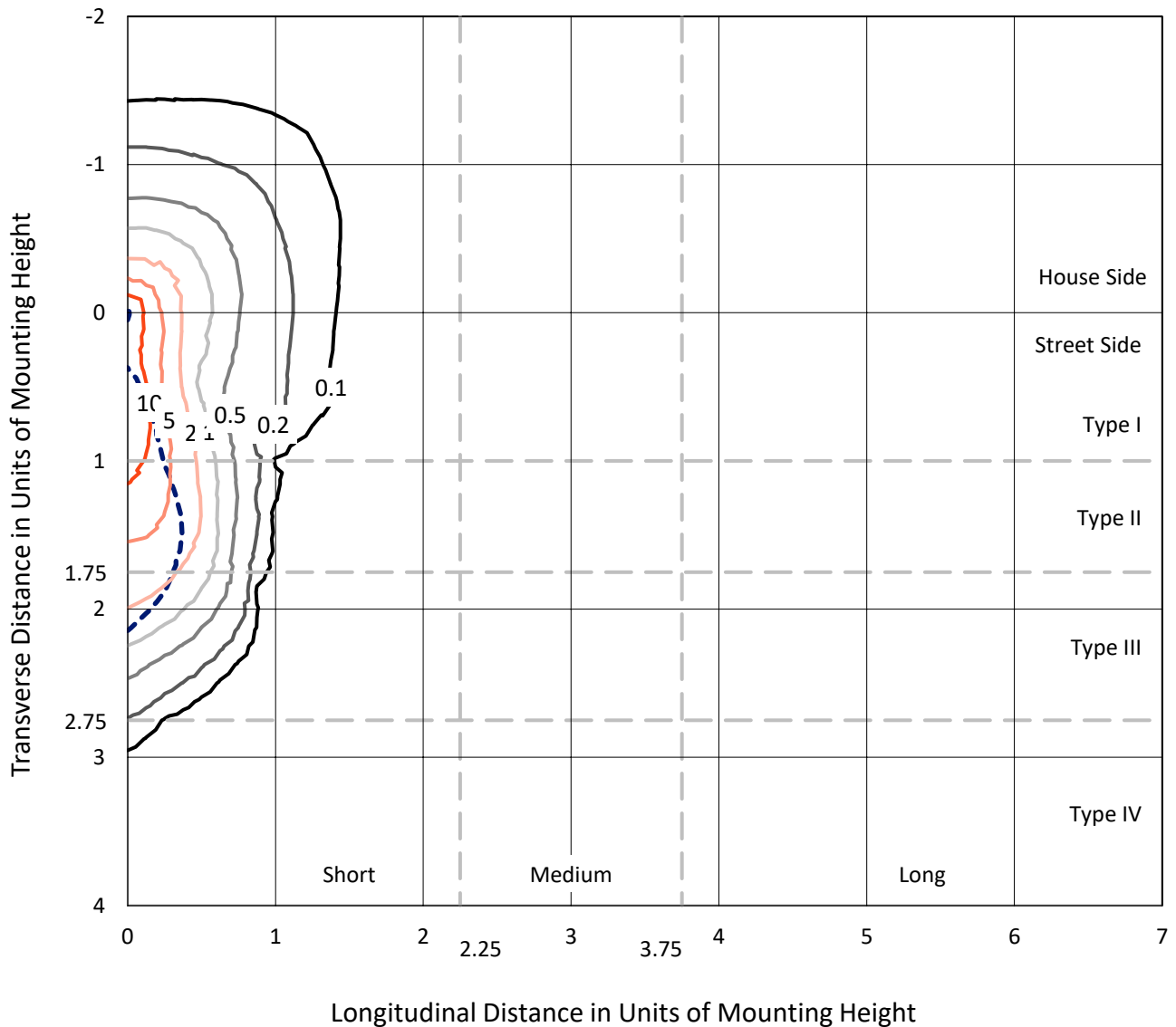
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

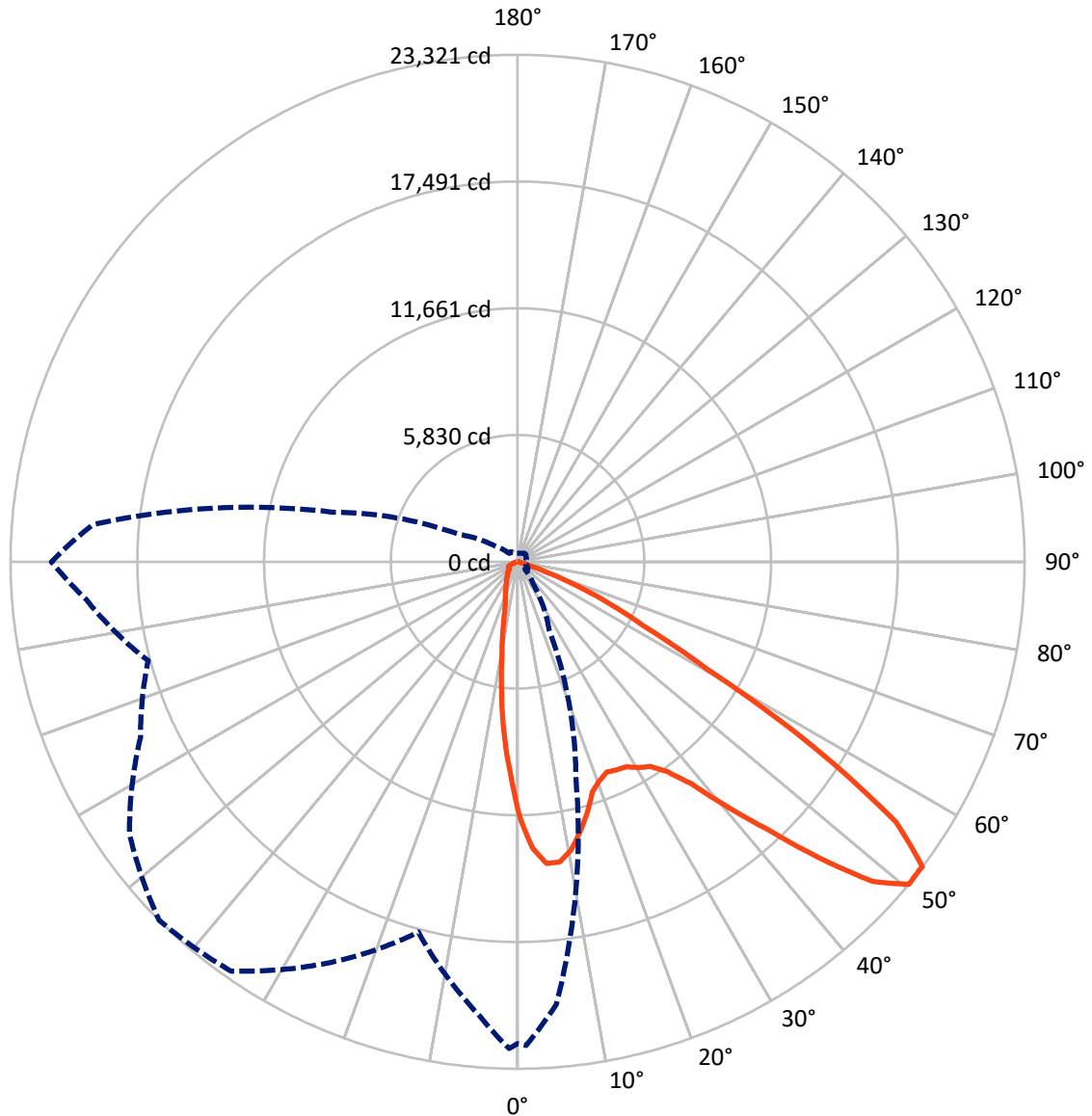
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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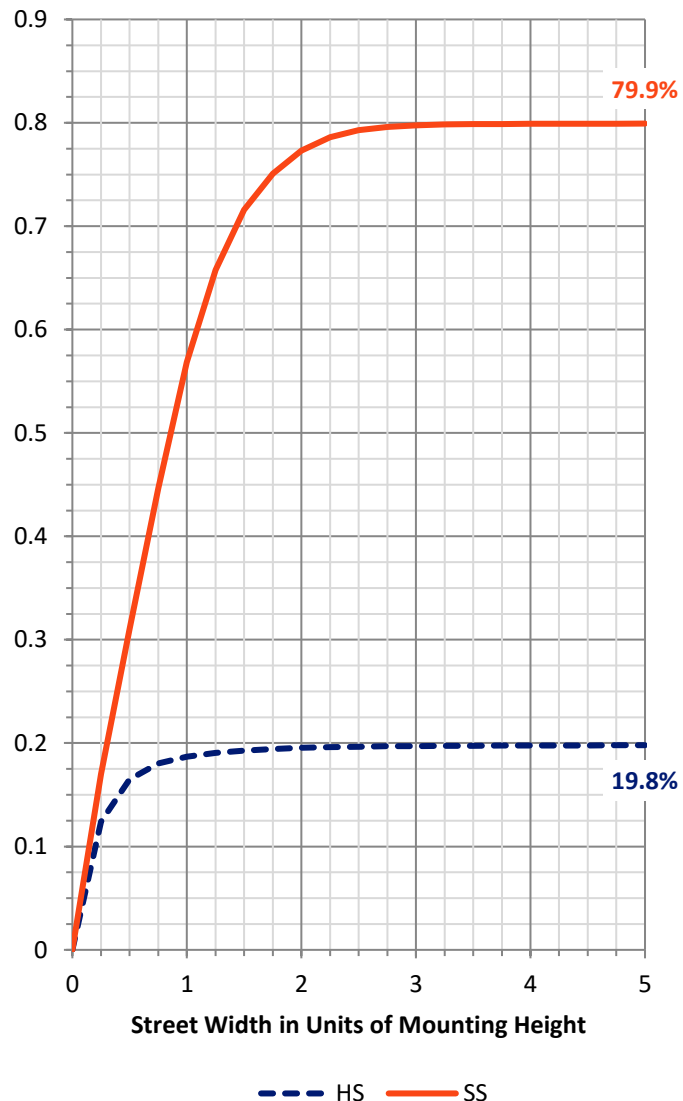
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4633.7	0.0	4633.7
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	18500.3	0.0	18500.3
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	23134.0	0.0	23134.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.1	3.7
10°-20°	1699.5	7.3
20°-30°	2553.2	11.0
30°-40°	3832.3	16.6
40°-50°	5386.0	23.3
50°-60°	5809.8	25.1
60°-70°	2697.5	11.7
70°-80°	253.8	1.1
80°-90°	46.8	0.2
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°	23134.0	100.0
0°-180°	23134.0	100.0

**Coefficient of Utilization**

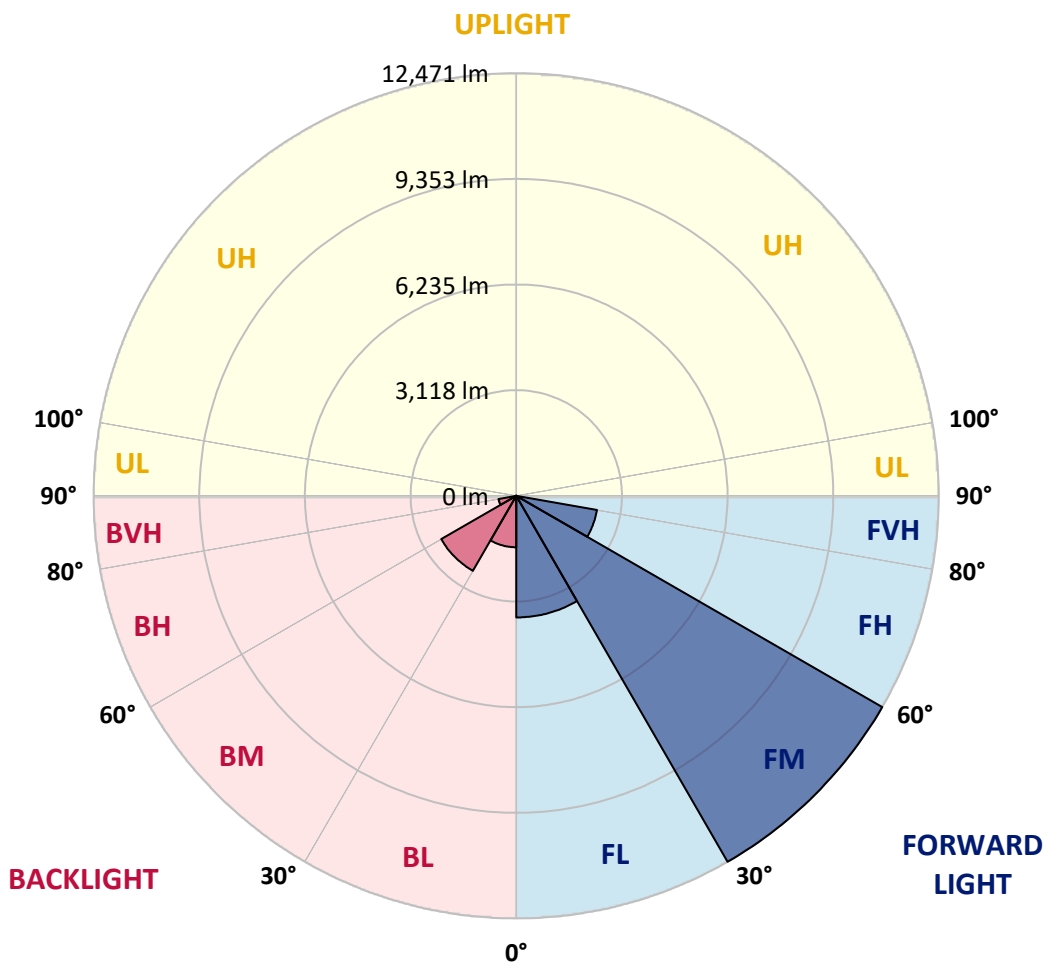


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3589.0	15.5			
FM (30°-60°)	12471.0	53.9			
FH (60°-80°)	2419.2	10.5			G2/5000
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	1518.8	6.6	B3/2500		
BM (30°-60°)	2557.1	11.1	B3/5000		
BH (60°-80°)	532.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	25.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9
2.5°	12195.4	12007.2	11768.6	11571.2	11277.5	10685.4	10524.7	10331.9	10171.3	9955.6	9652.6
5°	11089.3	11029.6	10919.4	10175.9	9638.8	8922.8	8335.3	8087.5	7761.6	7495.4	7302.6
7.5°	10244.7	10006.0	9657.2	8909.0	8050.7	7284.2	6632.4	6251.5	5820.0	5673.2	5411.5
10°	9340.5	9395.6	8881.5	7830.4	6793.1	6173.5	5769.5	5402.3	5012.2	4755.2	4383.4
12.5°	9051.3	8872.3	8477.6	7178.6	6292.8	5714.5	5223.3	4768.9	4355.8	3942.7	3584.7
15°	9239.5	8964.1	8413.3	7040.9	5907.2	5186.6	4571.6	3956.5	3575.6	3047.7	2675.9
17.5°	9914.2	9693.9	8954.9	7187.8	5709.9	4681.7	3768.3	3134.9	2552.0	2074.6	1886.5
20°	11038.8	10726.7	9799.5	7376.0	5416.1	4071.3	3056.9	2276.6	1725.8	1523.9	1418.3
22.5°	12140.4	11970.5	10800.1	7738.6	5154.5	3529.7	2295.0	1533.0	1289.8	1253.1	1184.2
25°	14238.0	13728.5	12328.5	8395.0	4952.5	3020.2	1730.4	1234.7	1092.4	1064.9	1074.0
27.5°	15486.4	15059.6	13742.2	8831.0	4727.6	2630.0	1464.2	1133.7	1037.3	977.7	954.7
30°	16684.4	16188.7	14444.5	9088.1	4245.7	2216.9	1298.9	1087.8	1064.9	977.7	950.1
32.5°	17607.0	17120.4	15458.9	9473.6	4048.3	1950.7	1069.5	849.1	789.5	780.3	862.9
35°	19020.7	18502.0	16326.4	9684.7	3896.8	1813.0	927.2	757.3	688.5	660.9	665.5
37.5°	20338.0	19984.5	17129.6	9767.4	3736.2	1771.7	830.8	679.3	619.6	601.3	596.7
40°	21439.6	20650.1	17891.5	9854.6	3667.4	1693.7	771.1	619.6	578.3	550.8	550.8
42.5°	21944.4	21141.2	18745.3	9804.1	3649.0	1569.8	771.1	569.2	537.0	509.5	504.9
45°	21834.3	21508.4	19126.2	9781.1	3649.0	1445.8	702.3	555.4	509.5	472.8	463.6
47.5°	22118.9	21692.0	19603.6	9877.5	3575.6	1358.6	592.1	582.9	481.9	436.0	426.9
50°	22169.3	22252.0	20434.4	10377.8	3414.9	1248.5	463.6	573.7	463.6	394.7	385.6
52°	22499.8	21985.8	20686.8	10644.0	3245.1	1165.8	390.1	491.1	445.2	367.2	358.0
52.5°	22045.4	22380.5	20746.5	10740.4	3263.4	1110.8	376.4	481.9	436.0	367.2	344.2
55°	21535.9	21857.2	20503.2	10947.0	2992.6	872.1	293.8	348.8	394.7	321.3	307.5
57.5°	18717.7	19043.6	17818.1	10024.4	2437.3	615.1	243.3	261.6	348.8	298.3	284.6
60°	16638.5	16404.4	14954.0	8362.8	1730.4	344.2	192.8	202.0	381.0	275.4	270.8
62.5°	15206.4	14706.1	12498.4	6458.0	1055.7	229.5	151.5	156.1	293.8	257.0	257.0
65°	11249.9	10689.9	8303.2	3906.0	518.7	160.6	114.7	123.9	183.6	220.3	220.3
67.5°	6421.3	6205.6	4011.6	1762.5	215.7	101.0	87.2	96.4	142.3	179.0	169.8
70°	2951.3	2648.4	1542.2	371.8	101.0	68.8	68.8	78.0	114.7	133.1	123.9
72.5°	862.9	817.0	376.4	59.7	41.3	41.3	45.9	59.7	87.2	101.0	91.8
75°	64.3	41.3	27.5	18.4	18.4	27.5	36.7	59.7	87.2	96.4	78.0
77.5°	4.6	9.2	4.6	4.6	13.8	27.5	41.3	73.4	114.7	119.3	87.2
80°	4.6	4.6	0.0	4.6	13.8	27.5	45.9	82.6	128.5	137.7	73.4
82.5°	0.0	0.0	0.0	4.6	18.4	36.7	55.1	87.2	119.3	146.9	78.0
85°	0.0	0.0	0.0	4.6	27.5	50.5	64.3	22.9	13.8	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°	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9
2.5°	9868.3	9749.0	9703.1	9744.4	9730.6	9716.9	9969.3	9914.2	9905.1	9987.7	9969.3
5°	7408.1	7197.0	7775.3	7541.3	7784.5	7931.4	7958.9	7972.7	8142.5	7963.5	8197.6
7.5°	5278.4	5333.5	5328.9	5485.0	5764.9	6012.8	6159.7	6044.9	6035.8	6012.8	5911.8
10°	4218.1	4121.8	4103.4	4066.7	4153.9	4365.0	4544.0	4401.7	4300.8	4438.5	4397.2
12.5°	3447.0	3313.9	3240.5	3093.6	3098.2	3240.5	3240.5	3240.5	3341.5	3419.5	3479.2
15°	2643.8	2533.6	2533.6	2386.8	2354.6	2359.2	2432.7	2441.8	2602.5	2648.4	2671.3
17.5°	1849.7	1790.1	1858.9	1918.6	1881.9	1891.1	1918.6	1927.8	1950.7	1932.4	1978.3
20°	1422.9	1413.7	1432.1	1537.6	1615.7	1661.6	1629.4	1583.5	1556.0	1491.7	1491.7
22.5°	1207.2	1225.5	1257.6	1344.8	1445.8	1473.4	1436.6	1331.1	1248.5	1239.3	1243.9
25°	1074.0	1092.4	1142.9	1198.0	1253.1	1298.9	1262.2	1184.2	1138.3	1097.0	1097.0
27.5°	991.4	1000.6	1028.1	1069.5	1115.4	1152.1	1138.3	1097.0	1046.5	1028.1	986.8
30°	927.2	940.9	973.1	982.2	1023.6	1041.9	1019.0	1009.8	977.7	954.7	940.9
32.5°	895.0	890.4	913.4	922.6	927.2	940.9	913.4	927.2	922.6	885.9	872.1
35°	674.7	711.4	771.1	821.6	835.4	853.7	849.1	830.8	780.3	739.0	688.5
37.5°	605.9	628.8	660.9	702.3	757.3	780.3	771.1	725.2	665.5	638.0	628.8
40°	560.0	573.7	601.3	628.8	683.9	725.2	693.1	651.8	605.9	582.9	569.2
42.5°	518.7	523.3	537.0	564.6	605.9	670.1	615.1	560.0	541.6	527.8	518.7
45°	472.8	472.8	491.1	504.9	550.8	610.5	555.4	504.9	495.7	486.5	481.9
47.5°	436.0	440.6	449.8	468.2	504.9	546.2	509.5	468.2	445.2	440.6	431.5
50°	390.1	394.7	413.1	431.5	477.4	500.3	477.4	431.5	408.5	394.7	394.7
52°	353.4	367.2	385.6	422.3	454.4	491.1	463.6	413.1	385.6	371.8	362.6
52.5°	348.8	358.0	376.4	417.7	454.4	486.5	459.0	408.5	376.4	367.2	358.0
55°	312.1	325.9	358.0	408.5	449.8	486.5	449.8	403.9	358.0	335.1	325.9
57.5°	298.3	307.5	348.8	413.1	445.2	486.5	449.8	403.9	358.0	316.7	307.5
60°	284.6	302.9	348.8	399.3	440.6	491.1	454.4	399.3	348.8	298.3	298.3
62.5°	270.8	284.6	344.2	390.1	422.3	472.8	436.0	390.1	335.1	284.6	280.0
65°	234.1	257.0	302.9	325.9	362.6	408.5	371.8	339.7	293.8	252.4	247.9
67.5°	179.0	188.2	224.9	252.4	275.4	316.7	298.3	257.0	224.9	192.8	192.8
70°	123.9	133.1	160.6	174.4	197.4	220.3	206.5	174.4	151.5	133.1	128.5
72.5°	87.2	91.8	101.0	110.2	119.3	128.5	123.9	101.0	87.2	82.6	78.0
75°	68.8	78.0	82.6	78.0	73.4	68.8	68.8	59.7	50.5	45.9	45.9
77.5°	68.8	73.4	68.8	59.7	50.5	45.9	41.3	36.7	27.5	22.9	27.5
80°	59.7	59.7	59.7	50.5	45.9	41.3	36.7	32.1	27.5	22.9	22.9
82.5°	64.3	64.3	59.7	50.5	50.5	41.3	41.3	36.7	32.1	22.9	22.9
85°	0.0	0.0	0.0	9.2	22.9	41.3	41.3	36.7	32.1	27.5	27.5
87.5°	0.0	0.0	0.0	0.0	4.6	9.2	18.4	22.9	27.5	27.5	27.5
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°	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9
2.5°	10134.6	10309.0	10639.5	10969.9	11171.9	11410.6	11842.0	12071.5	12369.9	12516.7	12805.9
5°	8165.5	8578.6	8725.5	9101.8	9505.7	9909.7	10552.2	11259.1	11846.6	12250.5	12773.8
7.5°	5957.7	6054.1	6623.3	6875.7	7536.7	8271.0	9147.7	10038.2	10781.7	11442.7	11842.0
10°	4466.0	4819.4	5177.4	5659.4	6191.8	6949.1	7789.1	8771.4	9735.2	10396.2	10901.1
12.5°	3589.3	3869.3	4346.7	4865.3	5521.7	6022.0	6866.5	7839.6	9088.1	9735.2	10400.8
15°	2717.2	3075.3	3616.9	4153.9	4847.0	5374.8	6228.5	7454.0	9060.5	9951.0	10524.7
17.5°	2015.0	2258.2	2744.8	3346.1	4052.9	4796.5	5948.5	7412.7	9368.0	10428.3	11020.4
20°	1542.2	1624.8	1932.4	2469.4	3235.9	4209.0	5494.1	7591.7	10276.8	11589.6	12190.8
22.5°	1248.5	1285.2	1404.5	1776.3	2519.9	3694.9	5278.4	7715.7	11300.4	12980.3	13783.6
25°	1087.8	1078.6	1156.7	1317.3	1969.1	3212.9	5003.0	8183.8	12553.5	14614.3	15334.9
27.5°	991.4	991.4	1028.1	1142.9	1634.0	2900.8	4828.6	8518.9	13815.7	16051.0	16441.1
30°	940.9	950.1	1055.7	1092.4	1358.6	2529.0	4539.4	8858.6	15022.8	16969.0	17506.0
32.5°	872.1	835.4	812.4	904.2	1142.9	2194.0	4250.3	9000.8	16000.5	18093.5	18552.5
35°	670.1	651.8	679.3	748.2	982.2	1909.4	3929.0	9161.5	17125.0	19397.0	19488.8
37.5°	605.9	601.3	619.6	679.3	826.2	1661.6	3699.5	9120.2	17983.3	20475.7	20227.8
40°	560.0	560.0	573.7	624.2	739.0	1487.1	3460.8	9083.5	18814.1	21687.4	20962.2
42.5°	523.3	523.3	546.2	578.3	702.3	1372.4	3281.8	9033.0	19511.8	22431.0	21393.7
45°	472.8	486.5	523.3	555.4	711.4	1294.4	3148.7	8840.2	19750.5	22421.8	21187.1
47.5°	436.0	454.4	491.1	537.0	642.6	1271.4	3056.9	8670.4	19667.8	21871.0	20539.9
50°	394.7	417.7	468.2	546.2	546.2	1225.5	2960.5	8821.8	19608.2	21444.1	19920.3
52°	367.2	385.6	449.8	532.4	477.4	1129.1	2900.8	9115.6	19851.4	21389.1	19644.9
52.5°	362.6	376.4	436.0	523.3	454.4	1110.8	2859.5	9184.4	19929.5	21251.4	19833.1
55°	321.3	339.7	399.3	408.5	371.8	913.4	2726.4	9340.5	19543.9	20980.6	19654.1
57.5°	302.9	312.1	353.4	335.1	321.3	688.5	2345.5	9097.2	17359.1	18635.1	18286.3
60°	280.0	289.2	330.5	261.6	270.8	481.9	1762.5	7899.3	13939.6	15527.7	16156.5
62.5°	270.8	266.2	312.1	211.1	229.5	348.8	1243.9	6421.3	10740.4	12782.9	13870.8
65°	238.7	234.1	224.9	179.0	197.4	270.8	743.6	4190.6	7568.8	9671.0	10267.7
67.5°	183.6	192.8	165.2	142.3	165.2	211.1	413.1	1877.3	3970.3	5801.7	6283.6
70°	128.5	137.7	133.1	123.9	146.9	174.4	238.7	642.6	1643.2	3047.7	3359.8
72.5°	78.0	96.4	101.0	105.6	128.5	151.5	169.8	206.5	436.0	1078.6	1340.3
75°	45.9	64.3	78.0	91.8	105.6	128.5	142.3	146.9	151.5	202.0	325.9
77.5°	32.1	45.9	68.8	87.2	105.6	128.5	151.5	160.6	151.5	142.3	151.5
80°	27.5	45.9	64.3	82.6	110.2	133.1	151.5	151.5	146.9	128.5	137.7
82.5°	27.5	45.9	68.8	87.2	105.6	128.5	146.9	151.5	137.7	128.5	133.1
85°	32.1	50.5	73.4	91.8	114.7	105.6	96.4	78.0	73.4	59.7	64.3
87.5°	32.1	45.9	45.9	50.5	55.1	55.1	55.1	50.5	41.3	36.7	36.7
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: P532865

CATALOG NUMBER: GALN-SA8B-730-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9	11731.9
2.5°	12819.7	13186.9	13173.1	13182.3	13127.2	12755.4	12576.4	12122.0	12250.5	12195.4
5°	13310.8	13673.4	13985.5	13948.8	13526.5	13021.6	12273.5	11566.6	11373.8	11089.3
7.5°	12819.7	13691.8	13980.9	13939.6	13315.4	12668.2	11474.8	10768.0	10432.9	10244.7
10°	12039.4	13049.2	13407.2	13480.6	13058.3	12076.1	10979.1	9845.4	9666.4	9340.5
12.5°	11594.2	12328.5	12548.9	12746.2	12599.4	11865.0	10602.7	9514.9	9267.1	9051.3
15°	11231.6	11667.6	11759.4	11984.3	12071.5	11676.8	10800.1	9872.9	9262.5	9239.5
17.5°	11566.6	11387.6	11052.5	11121.4	11396.8	11681.4	11309.6	10579.8	9987.7	9914.2
20°	12122.0	11332.5	10575.2	10745.0	10974.5	11846.6	12080.7	11566.6	11227.0	11038.8
22.5°	12760.0	11428.9	10423.7	10506.3	10942.4	12218.4	13329.1	13044.6	12411.2	12140.4
25°	13939.6	11695.1	10543.1	10598.1	11194.8	12737.0	14458.3	14669.4	14293.0	14238.0
27.5°	15091.7	12383.6	10804.7	10680.8	11323.4	13241.9	15142.2	16275.9	15614.9	15486.4
30°	15679.2	12943.6	11194.8	10983.7	11855.8	13549.5	15555.3	17322.4	16744.1	16684.4
32.5°	16578.8	13453.1	11497.8	11227.0	12154.1	13930.4	16326.4	18465.3	17905.3	17607.0
35°	16955.2	14008.5	12163.3	11846.6	13007.9	14462.9	16721.1	19484.2	19309.8	19020.7
37.5°	17680.4	14605.1	12948.2	12929.8	14040.6	15155.9	17432.5	20870.4	20838.3	20338.0
40°	17740.1	15256.9	14187.5	14765.8	15637.9	16363.1	18056.8	21256.0	21779.2	21439.6
42.5°	17831.9	16399.8	16331.0	16808.3	17556.5	17400.4	18079.7	21347.8	22146.4	21944.4
45°	17873.2	17542.7	18511.2	19392.4	19704.6	18759.0	17864.0	21173.3	22339.2	21834.3
47.5°	17542.7	18524.9	20273.7	21976.6	22068.4	19594.4	17772.2	20994.3	22453.9	22118.9
50°	17588.6	19140.0	21797.6	23321.4	22986.4	20333.4	17629.9	20884.2	22394.3	22169.3
52°	17478.4	19153.8	22013.3	23293.9	23059.8	19924.9	17386.6	20461.9	22339.2	22499.8
52.5°	17602.4	19071.1	21788.4	23312.2	23009.3	20126.8	17354.5	20696.0	22371.3	22045.4
55°	17175.5	18088.9	20471.1	21118.3	21072.4	18267.9	16367.7	19920.3	21531.3	21535.9
57.5°	15523.1	15679.2	16055.6	16041.8	15830.7	14361.9	13999.3	18318.4	19195.1	18717.7
60°	13678.0	11479.4	10465.0	10051.9	9817.9	9579.2	12383.6	16757.8	16840.4	16638.5
62.5°	11819.1	7958.9	6609.5	6494.7	6549.8	7421.9	11970.5	16138.2	15642.5	15206.4
65°	9537.9	5801.7	4801.1	4649.6	5186.6	6127.6	9689.3	12374.4	11612.5	11249.9
67.5°	5989.9	4231.9	3245.1	2960.5	3607.7	4218.1	6366.2	7775.3	6921.6	6421.3
70°	3552.6	2363.8	1468.8	1317.3	1482.5	2249.1	3566.4	3878.5	3208.4	2951.3
72.5°	1399.9	867.5	408.5	348.8	362.6	789.5	1312.7	1280.6	968.5	862.9
75°	376.4	261.6	142.3	114.7	96.4	146.9	211.1	137.7	50.5	64.3
77.5°	174.4	156.1	123.9	96.4	73.4	55.1	27.5	9.2	9.2	4.6
80°	151.5	133.1	114.7	96.4	73.4	45.9	22.9	4.6	4.6	4.6
82.5°	142.3	123.9	105.6	87.2	68.8	45.9	22.9	4.6	0.0	0.0
85°	59.7	78.0	87.2	82.6	73.4	45.9	22.9	4.6	0.0	0.0
87.5°	32.1	27.5	22.9	18.4	13.8	9.2	9.2	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

(END OF REPORT)