

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: P528185

Luminaire Tested: **GALN-SA3B-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528185  
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-SA3B-730-U-SLR-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 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: 8552 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

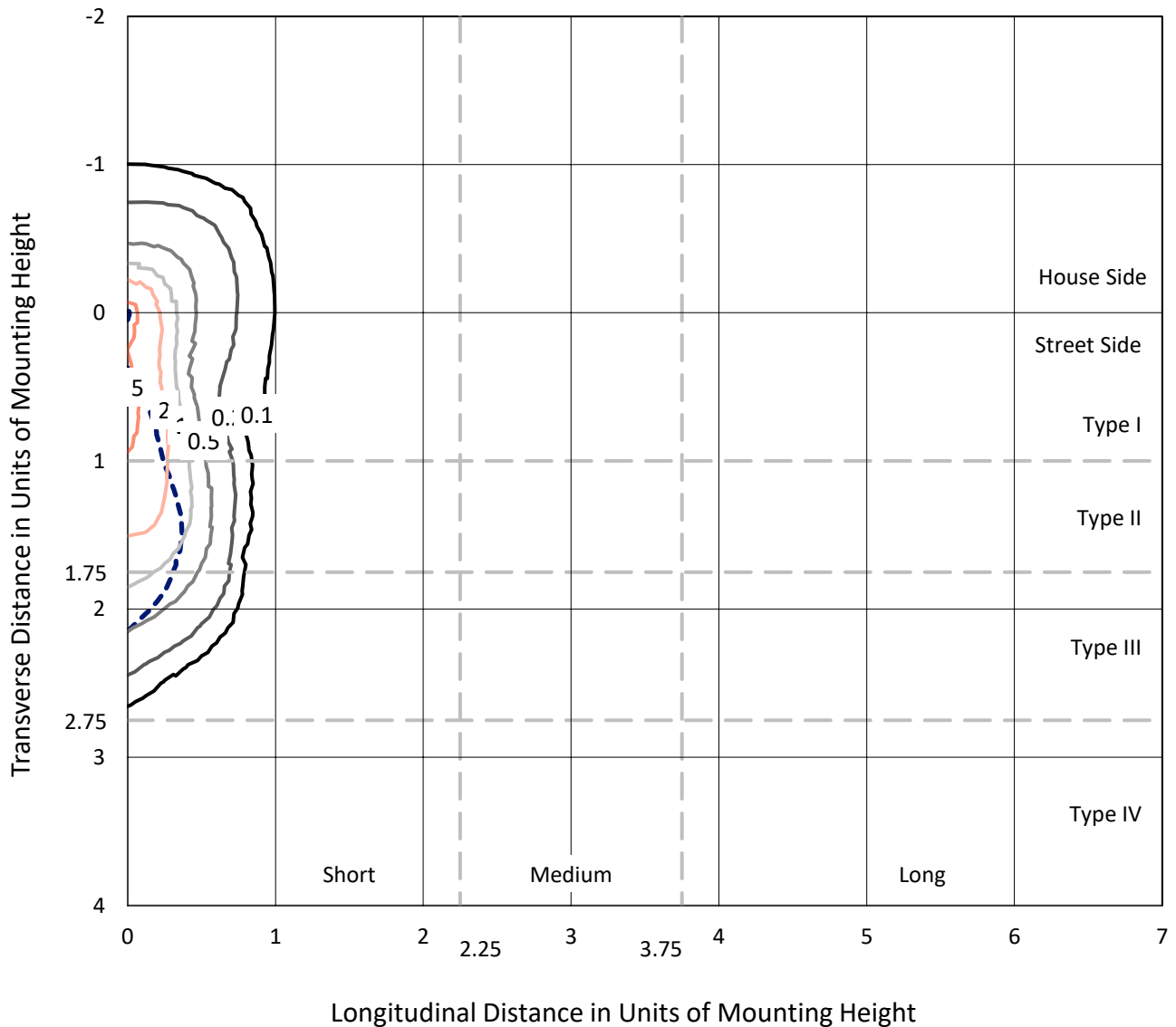
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

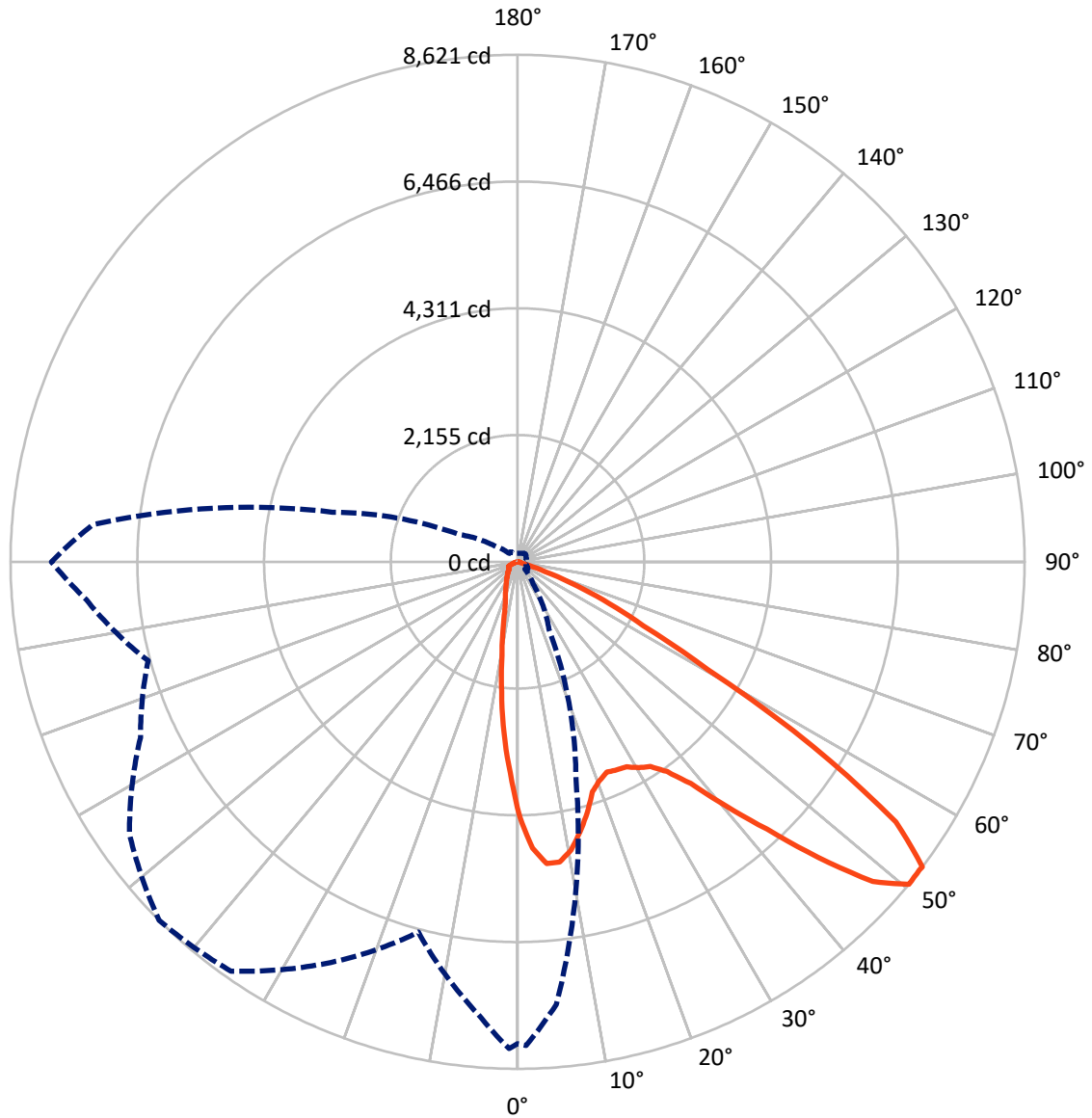
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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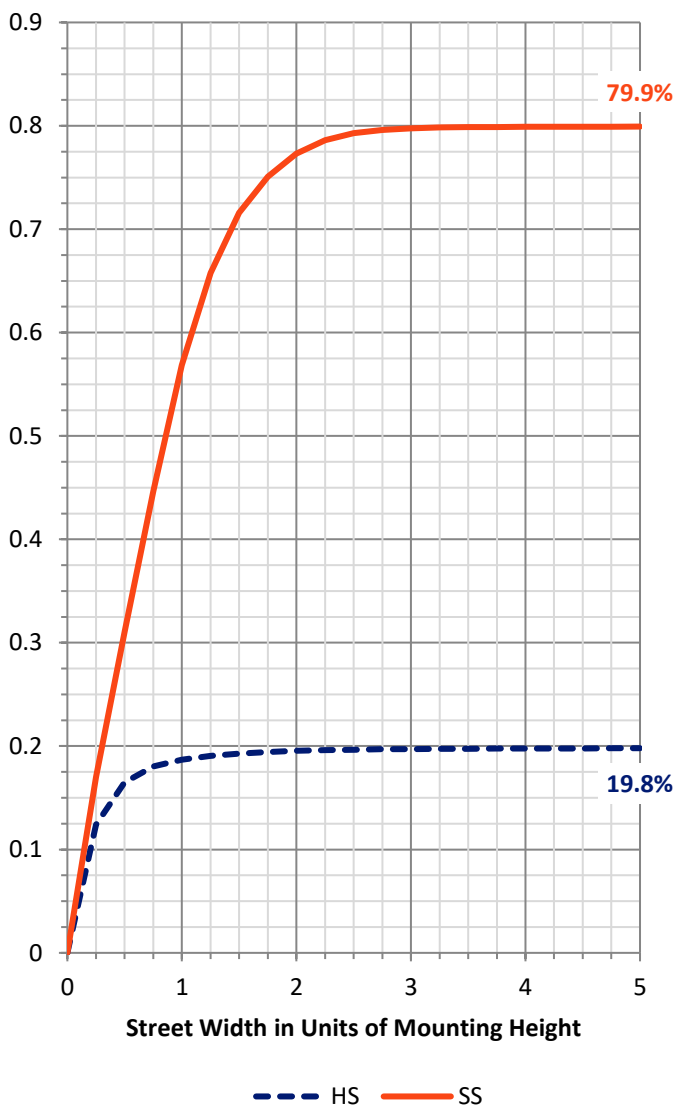
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1713.0	0.0	1713.0
	% Fixture	20.0	0.0	20.0
<b>Street Side</b>	Lumens	6839.0	0.0	6839.0
	% Fixture	80.0	0.0	80.0
<b>Total</b>	Lumens	8552.0	0.0	8552.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.1	3.7
10°-20°	628.3	7.3
20°-30°	943.8	11.0
30°-40°	1416.7	16.6
40°-50°	1991.1	23.3
50°-60°	2147.7	25.1
60°-70°	997.2	11.7
70°-80°	93.8	1.1
80°-90°	17.3	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°	8552.0	100.0
0°-180°	8552.0	100.0

**Coefficient of Utilization**

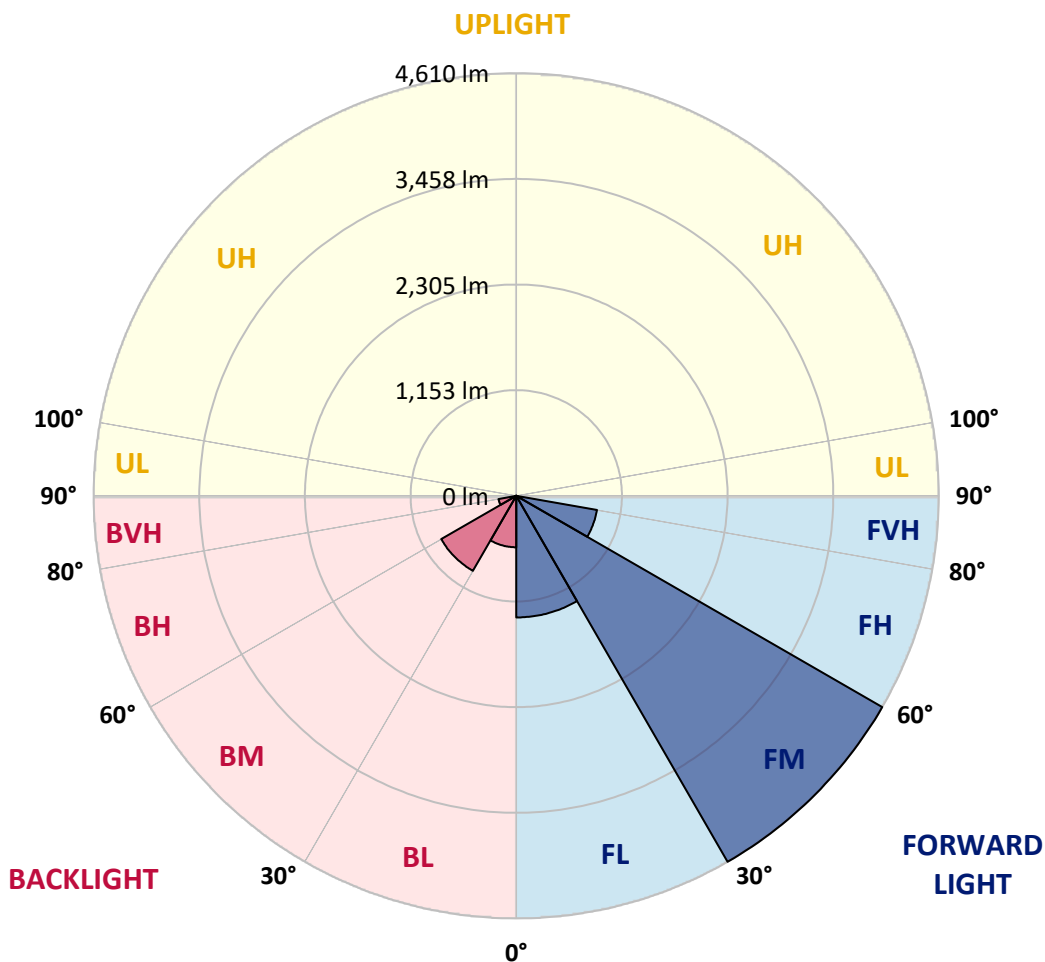


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.8	15.5			
FM (30°-60°)	4610.2	53.9			
FH (60°-80°)	894.3	10.5			G1/1800
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	561.5	6.6	B2/1000		
BM (30°-60°)	945.3	11.1	B1/1000		
BH (60°-80°)	196.7	2.3	B1/500		G1/500
BVH (80°-90°)	9.5	0.1			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°	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9
2.5°	4508.3	4438.7	4350.5	4277.6	4169.0	3950.1	3890.7	3819.4	3760.0	3680.3	3568.3
5°	4099.4	4077.3	4036.6	3761.7	3563.2	3298.5	3081.3	2989.7	2869.2	2770.8	2699.6
7.5°	3787.2	3699.0	3570.0	3293.4	2976.1	2692.8	2451.8	2311.0	2151.5	2097.2	2000.5
10°	3452.9	3473.3	3283.2	2894.7	2511.2	2282.2	2132.8	1997.1	1852.9	1757.9	1620.4
12.5°	3346.0	3279.9	3133.9	2653.7	2326.3	2112.5	1930.9	1762.9	1610.2	1457.5	1325.2
15°	3415.6	3313.8	3110.2	2602.8	2183.7	1917.3	1690.0	1462.6	1321.8	1126.7	989.2
17.5°	3665.0	3583.6	3310.4	2657.1	2110.8	1730.7	1393.0	1158.9	943.4	766.9	697.4
20°	4080.7	3965.3	3622.6	2726.7	2002.2	1505.0	1130.0	841.6	638.0	563.3	524.3
22.5°	4488.0	4425.2	3992.5	2860.8	1905.5	1304.8	848.4	566.7	476.8	463.2	437.8
25°	5263.4	5075.0	4557.5	3103.4	1830.8	1116.5	639.7	456.4	403.8	393.7	397.0
27.5°	5724.9	5567.1	5080.1	3264.6	1747.7	972.2	541.3	419.1	383.5	361.4	352.9
30°	6167.8	5984.5	5339.7	3359.6	1569.5	819.5	480.2	402.1	393.7	361.4	351.2
32.5°	6508.8	6328.9	5714.7	3502.1	1496.6	721.1	395.3	313.9	291.8	288.5	319.0
35°	7031.4	6839.7	6035.4	3580.2	1440.6	670.2	342.7	280.0	254.5	244.3	246.0
37.5°	7518.4	7387.7	6332.3	3610.7	1381.2	655.0	307.1	251.1	229.1	222.3	220.6
40°	7925.6	7633.8	6614.0	3643.0	1355.7	626.1	285.1	229.1	213.8	203.6	203.6
42.5°	8112.3	7815.3	6929.6	3624.3	1348.9	580.3	285.1	210.4	198.5	188.3	186.6
45°	8071.5	7951.1	7070.4	3615.8	1348.9	534.5	259.6	205.3	188.3	174.8	171.4
47.5°	8176.7	8018.9	7246.9	3651.4	1321.8	502.2	218.9	215.5	178.2	161.2	157.8
50°	8195.4	8225.9	7554.0	3836.4	1262.4	461.5	171.4	212.1	171.4	145.9	142.5
52°	8317.6	8127.5	7647.3	3934.8	1199.6	431.0	144.2	181.6	164.6	135.7	132.3
52.5°	8149.6	8273.4	7669.4	3970.4	1206.4	410.6	139.1	178.2	161.2	135.7	127.3
55°	7961.2	8080.0	7579.5	4046.8	1106.3	322.4	108.6	129.0	145.9	118.8	113.7
57.5°	6919.4	7039.9	6586.9	3705.7	901.0	227.4	89.9	96.7	129.0	110.3	105.2
60°	6150.8	6064.3	5528.1	3091.5	639.7	127.3	71.3	74.7	140.8	101.8	100.1
62.5°	5621.4	5436.4	4620.3	2387.4	390.3	84.8	56.0	57.7	108.6	95.0	95.0
65°	4158.8	3951.8	3069.5	1444.0	191.7	59.4	42.4	45.8	67.9	81.4	81.4
67.5°	2373.8	2294.0	1483.0	651.6	79.7	37.3	32.2	35.6	52.6	66.2	62.8
70°	1091.0	979.0	570.1	137.4	37.3	25.5	25.5	28.8	42.4	49.2	45.8
72.5°	319.0	302.0	139.1	22.1	15.3	15.3	17.0	22.1	32.2	37.3	33.9
75°	23.8	15.3	10.2	6.8	6.8	10.2	13.6	22.1	32.2	35.6	28.8
77.5°	1.7	3.4	1.7	1.7	5.1	10.2	15.3	27.1	42.4	44.1	32.2
80°	1.7	1.7	0.0	1.7	5.1	10.2	17.0	30.5	47.5	50.9	27.1
82.5°	0.0	0.0	0.0	1.7	6.8	13.6	20.4	32.2	44.1	54.3	28.8
85°	0.0	0.0	0.0	1.7	10.2	18.7	23.8	8.5	5.1	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°	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9
2.5°	3648.1	3603.9	3587.0	3602.2	3597.2	3592.1	3685.4	3665.0	3661.6	3692.2	3685.4
5°	2738.6	2660.5	2874.3	2787.8	2877.7	2932.0	2942.2	2947.3	3010.1	2943.9	3030.4
7.5°	1951.3	1971.6	1969.9	2027.6	2131.1	2222.8	2277.1	2234.6	2231.3	2222.8	2185.4
10°	1559.3	1523.7	1516.9	1503.3	1535.6	1613.6	1679.8	1627.2	1589.9	1640.8	1625.5
12.5°	1274.3	1225.1	1197.9	1143.6	1145.3	1197.9	1197.9	1197.9	1235.2	1264.1	1286.2
15°	977.3	936.6	936.6	882.3	870.4	872.1	899.3	902.7	962.1	979.0	987.5
17.5°	683.8	661.7	687.2	709.2	695.7	699.1	709.2	712.6	721.1	714.3	731.3
20°	526.0	522.6	529.4	568.4	597.3	614.2	602.4	585.4	575.2	551.4	551.4
22.5°	446.3	453.0	464.9	497.2	534.5	544.7	531.1	492.1	461.5	458.1	459.8
25°	397.0	403.8	422.5	442.9	463.2	480.2	466.6	437.8	420.8	405.5	405.5
27.5°	366.5	369.9	380.1	395.3	412.3	425.9	420.8	405.5	386.9	380.1	364.8
30°	342.7	347.8	359.7	363.1	378.4	385.2	376.7	373.3	361.4	352.9	347.8
32.5°	330.9	329.2	337.7	341.1	342.7	347.8	337.7	342.7	341.1	327.5	322.4
35°	249.4	263.0	285.1	303.7	308.8	315.6	313.9	307.1	288.5	273.2	254.5
37.5°	224.0	232.5	244.3	259.6	280.0	288.5	285.1	268.1	246.0	235.9	232.5
40°	207.0	212.1	222.3	232.5	252.8	268.1	256.2	240.9	224.0	215.5	210.4
42.5°	191.7	193.4	198.5	208.7	224.0	247.7	227.4	207.0	200.2	195.1	191.7
45°	174.8	174.8	181.6	186.6	203.6	225.7	205.3	186.6	183.3	179.9	178.2
47.5°	161.2	162.9	166.3	173.1	186.6	201.9	188.3	173.1	164.6	162.9	159.5
50°	144.2	145.9	152.7	159.5	176.5	184.9	176.5	159.5	151.0	145.9	145.9
52°	130.7	135.7	142.5	156.1	168.0	181.6	171.4	152.7	142.5	137.4	134.0
52.5°	129.0	132.3	139.1	154.4	168.0	179.9	169.7	151.0	139.1	135.7	132.3
55°	115.4	120.5	132.3	151.0	166.3	179.9	166.3	149.3	132.3	123.9	120.5
57.5°	110.3	113.7	129.0	152.7	164.6	179.9	166.3	149.3	132.3	117.1	113.7
60°	105.2	112.0	129.0	147.6	162.9	181.6	168.0	147.6	129.0	110.3	110.3
62.5°	100.1	105.2	127.3	144.2	156.1	174.8	161.2	144.2	123.9	105.2	103.5
65°	86.5	95.0	112.0	120.5	134.0	151.0	137.4	125.6	108.6	93.3	91.6
67.5°	66.2	69.6	83.1	93.3	101.8	117.1	110.3	95.0	83.1	71.3	71.3
70°	45.8	49.2	59.4	64.5	73.0	81.4	76.4	64.5	56.0	49.2	47.5
72.5°	32.2	33.9	37.3	40.7	44.1	47.5	45.8	37.3	32.2	30.5	28.8
75°	25.5	28.8	30.5	28.8	27.1	25.5	25.5	22.1	18.7	17.0	17.0
77.5°	25.5	27.1	25.5	22.1	18.7	17.0	15.3	13.6	10.2	8.5	10.2
80°	22.1	22.1	22.1	18.7	17.0	15.3	13.6	11.9	10.2	8.5	8.5
82.5°	23.8	23.8	22.1	18.7	18.7	15.3	15.3	13.6	11.9	8.5	8.5
85°	0.0	0.0	0.0	3.4	8.5	15.3	15.3	13.6	11.9	10.2	10.2
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	6.8	8.5	10.2	10.2	10.2
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°	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9
2.5°	3746.5	3810.9	3933.1	4055.3	4129.9	4218.2	4377.7	4462.5	4572.8	4627.1	4734.0
5°	3018.6	3171.3	3225.6	3364.7	3514.0	3663.3	3900.9	4162.2	4379.4	4528.7	4722.1
7.5°	2202.4	2238.0	2448.4	2541.8	2786.1	3057.6	3381.7	3710.8	3985.7	4230.0	4377.7
10°	1651.0	1781.6	1914.0	2092.1	2288.9	2568.9	2879.4	3242.5	3598.8	3843.2	4029.8
12.5°	1326.9	1430.4	1606.8	1798.6	2041.2	2226.2	2538.4	2898.1	3359.6	3598.8	3844.9
15°	1004.5	1136.8	1337.1	1535.6	1791.8	1986.9	2302.5	2755.6	3349.4	3678.6	3890.7
17.5°	744.9	834.8	1014.7	1236.9	1498.2	1773.1	2199.0	2740.3	3463.1	3855.1	4073.9
20°	570.1	600.7	714.3	912.9	1196.2	1555.9	2031.0	2806.5	3799.1	4284.3	4506.6
22.5°	461.5	475.1	519.2	656.6	931.5	1365.9	1951.3	2852.3	4177.4	4798.5	5095.4
25°	402.1	398.7	427.6	487.0	727.9	1187.7	1849.5	3025.3	4640.7	5402.5	5668.9
27.5°	366.5	366.5	380.1	422.5	604.0	1072.4	1785.0	3149.2	5107.3	5933.6	6077.8
30°	347.8	351.2	390.3	403.8	502.2	934.9	1678.1	3274.8	5553.5	6273.0	6471.5
32.5°	322.4	308.8	300.3	334.3	422.5	811.1	1571.2	3327.4	5914.9	6688.7	6858.3
35°	247.7	240.9	251.1	276.6	363.1	705.9	1452.4	3386.8	6330.6	7170.5	7204.5
37.5°	224.0	222.3	229.1	251.1	305.4	614.2	1367.6	3371.5	6647.9	7569.3	7477.7
40°	207.0	207.0	212.1	230.8	273.2	549.8	1279.4	3357.9	6955.1	8017.2	7749.1
42.5°	193.4	193.4	201.9	213.8	259.6	507.3	1213.2	3339.2	7213.0	8292.1	7908.6
45°	174.8	179.9	193.4	205.3	263.0	478.5	1164.0	3268.0	7301.2	8288.7	7832.3
47.5°	161.2	168.0	181.6	198.5	237.5	470.0	1130.0	3205.2	7270.7	8085.1	7593.0
50°	145.9	154.4	173.1	201.9	201.9	453.0	1094.4	3261.2	7248.6	7927.3	7364.0
52°	135.7	142.5	166.3	196.8	176.5	417.4	1072.4	3369.8	7338.5	7906.9	7262.2
52.5°	134.0	139.1	161.2	193.4	168.0	410.6	1057.1	3395.2	7367.4	7856.0	7331.7
55°	118.8	125.6	147.6	151.0	137.4	337.7	1007.9	3452.9	7224.8	7755.9	7265.6
57.5°	112.0	115.4	130.7	123.9	118.8	254.5	867.0	3363.0	6417.2	6888.9	6759.9
60°	103.5	106.9	122.2	96.7	100.1	178.2	651.6	2920.1	5153.1	5740.2	5972.6
62.5°	100.1	98.4	115.4	78.1	84.8	129.0	459.8	2373.8	3970.4	4725.5	5127.6
65°	88.2	86.5	83.1	66.2	73.0	100.1	274.9	1549.2	2798.0	3575.1	3795.7
67.5°	67.9	71.3	61.1	52.6	61.1	78.1	152.7	694.0	1467.7	2144.7	2322.9
70°	47.5	50.9	49.2	45.8	54.3	64.5	88.2	237.5	607.4	1126.7	1242.0
72.5°	28.8	35.6	37.3	39.0	47.5	56.0	62.8	76.4	161.2	398.7	495.5
75°	17.0	23.8	28.8	33.9	39.0	47.5	52.6	54.3	56.0	74.7	120.5
77.5°	11.9	17.0	25.5	32.2	39.0	47.5	56.0	59.4	56.0	52.6	56.0
80°	10.2	17.0	23.8	30.5	40.7	49.2	56.0	56.0	54.3	47.5	50.9
82.5°	10.2	17.0	25.5	32.2	39.0	47.5	54.3	56.0	50.9	47.5	49.2
85°	11.9	18.7	27.1	33.9	42.4	39.0	35.6	28.8	27.1	22.1	23.8
87.5°	11.9	17.0	17.0	18.7	20.4	20.4	20.4	18.7	15.3	13.6	13.6
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: P528185

CATALOG NUMBER: GALN-SA3B-730-U-SLR-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9	4336.9
2.5°	4739.1	4874.8	4869.7	4873.1	4852.8	4715.3	4649.1	4481.2	4528.7	4508.3
5°	4920.6	5054.7	5170.1	5156.5	5000.4	4813.7	4537.2	4275.9	4204.6	4099.4
7.5°	4739.1	5061.5	5168.4	5153.1	4922.3	4683.1	4241.9	3980.6	3856.8	3787.2
10°	4450.6	4823.9	4956.3	4983.4	4827.3	4464.2	4058.7	3639.6	3573.4	3452.9
12.5°	4286.0	4557.5	4639.0	4711.9	4657.6	4386.1	3919.5	3517.4	3425.8	3346.0
15°	4152.0	4313.2	4347.1	4430.3	4462.5	4316.6	3992.5	3649.8	3424.1	3415.6
17.5°	4275.9	4209.7	4085.8	4111.3	4213.1	4318.3	4180.8	3911.1	3692.2	3665.0
20°	4481.2	4189.3	3909.4	3972.1	4057.0	4379.4	4465.9	4275.9	4150.3	4080.7
22.5°	4717.0	4225.0	3853.4	3883.9	4045.1	4516.8	4927.4	4822.2	4588.1	4488.0
25°	5153.1	4323.4	3897.5	3917.8	4138.4	4708.5	5344.8	5422.9	5283.7	5263.4
27.5°	5579.0	4577.9	3994.2	3948.4	4185.9	4895.2	5597.6	6016.7	5772.4	5724.9
30°	5796.2	4784.9	4138.4	4060.4	4382.8	5008.9	5750.4	6403.6	6189.8	6167.8
32.5°	6128.7	4973.2	4250.4	4150.3	4493.0	5149.7	6035.4	6826.1	6619.1	6508.8
35°	6267.9	5178.5	4496.4	4379.4	4808.6	5346.5	6181.3	7202.8	7138.3	7031.4
37.5°	6536.0	5399.1	4786.6	4779.8	5190.4	5602.7	6444.3	7715.2	7703.3	7518.4
40°	6558.0	5640.1	5244.7	5458.5	5780.9	6049.0	6675.1	7857.7	8051.2	7925.6
42.5°	6591.9	6062.6	6037.1	6213.6	6490.1	6432.5	6683.6	7891.7	8186.9	8112.3
45°	6607.2	6485.1	6843.1	7168.8	7284.2	6934.7	6603.8	7827.2	8258.2	8071.5
47.5°	6485.1	6848.2	7494.6	8124.1	8158.1	7243.5	6569.9	7761.0	8300.6	8176.7
50°	6502.0	7075.5	8058.0	8621.3	8497.4	7516.7	6517.3	7720.3	8278.5	8195.4
52°	6461.3	7080.6	8137.7	8611.1	8524.6	7365.7	6427.4	7564.2	8258.2	8317.6
52.5°	6507.1	7050.1	8054.6	8617.9	8505.9	7440.3	6415.5	7650.7	8270.1	8149.6
55°	6349.3	6687.0	7567.6	7806.8	7789.9	6753.1	6050.7	7364.0	7959.5	7961.2
57.5°	5738.5	5796.2	5935.3	5930.2	5852.2	5309.2	5175.1	6771.8	7095.9	6919.4
60°	5056.4	4243.6	3868.6	3715.9	3629.4	3541.2	4577.9	6194.9	6225.4	6150.8
62.5°	4369.2	2942.2	2443.3	2400.9	2421.3	2743.7	4425.2	5965.8	5782.6	5621.4
65°	3525.9	2144.7	1774.8	1718.8	1917.3	2265.2	3581.9	4574.5	4292.8	4158.8
67.5°	2214.3	1564.4	1199.6	1094.4	1333.7	1559.3	2353.4	2874.3	2558.7	2373.8
70°	1313.3	873.8	543.0	487.0	548.1	831.4	1318.4	1433.8	1186.0	1091.0
72.5°	517.5	320.7	151.0	129.0	134.0	291.8	485.3	473.4	358.0	319.0
75°	139.1	96.7	52.6	42.4	35.6	54.3	78.1	50.9	18.7	23.8
77.5°	64.5	57.7	45.8	35.6	27.1	20.4	10.2	3.4	3.4	1.7
80°	56.0	49.2	42.4	35.6	27.1	17.0	8.5	1.7	1.7	1.7
82.5°	52.6	45.8	39.0	32.2	25.5	17.0	8.5	1.7	0.0	0.0
85°	22.1	28.8	32.2	30.5	27.1	17.0	8.5	1.7	0.0	0.0
87.5°	11.9	10.2	8.5	6.8	5.1	3.4	3.4	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)