

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: P528287

Luminaire Tested: **GALN-SA3B-760-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528287  
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-SA3B-760-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K, 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: 9391 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G1

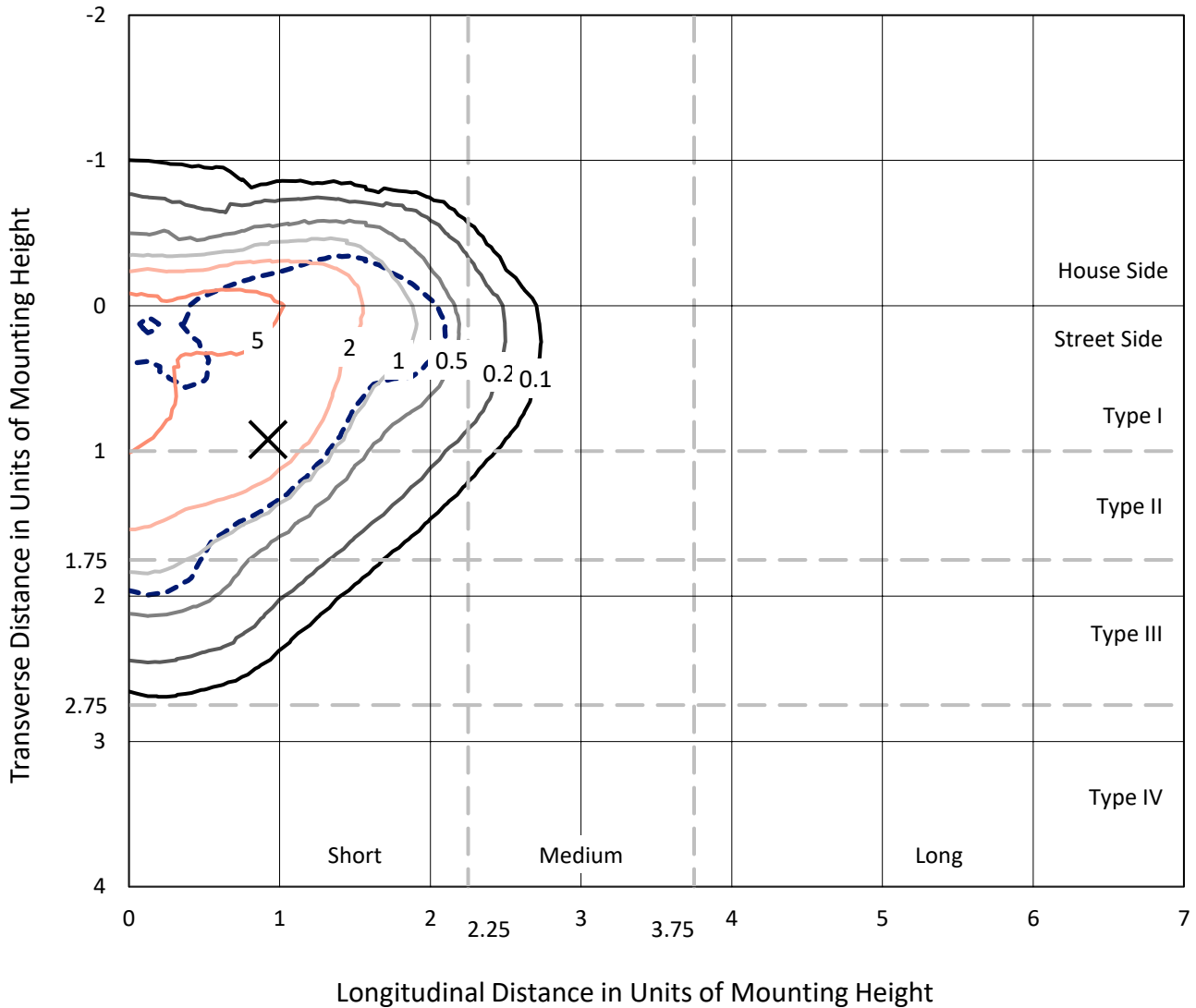
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

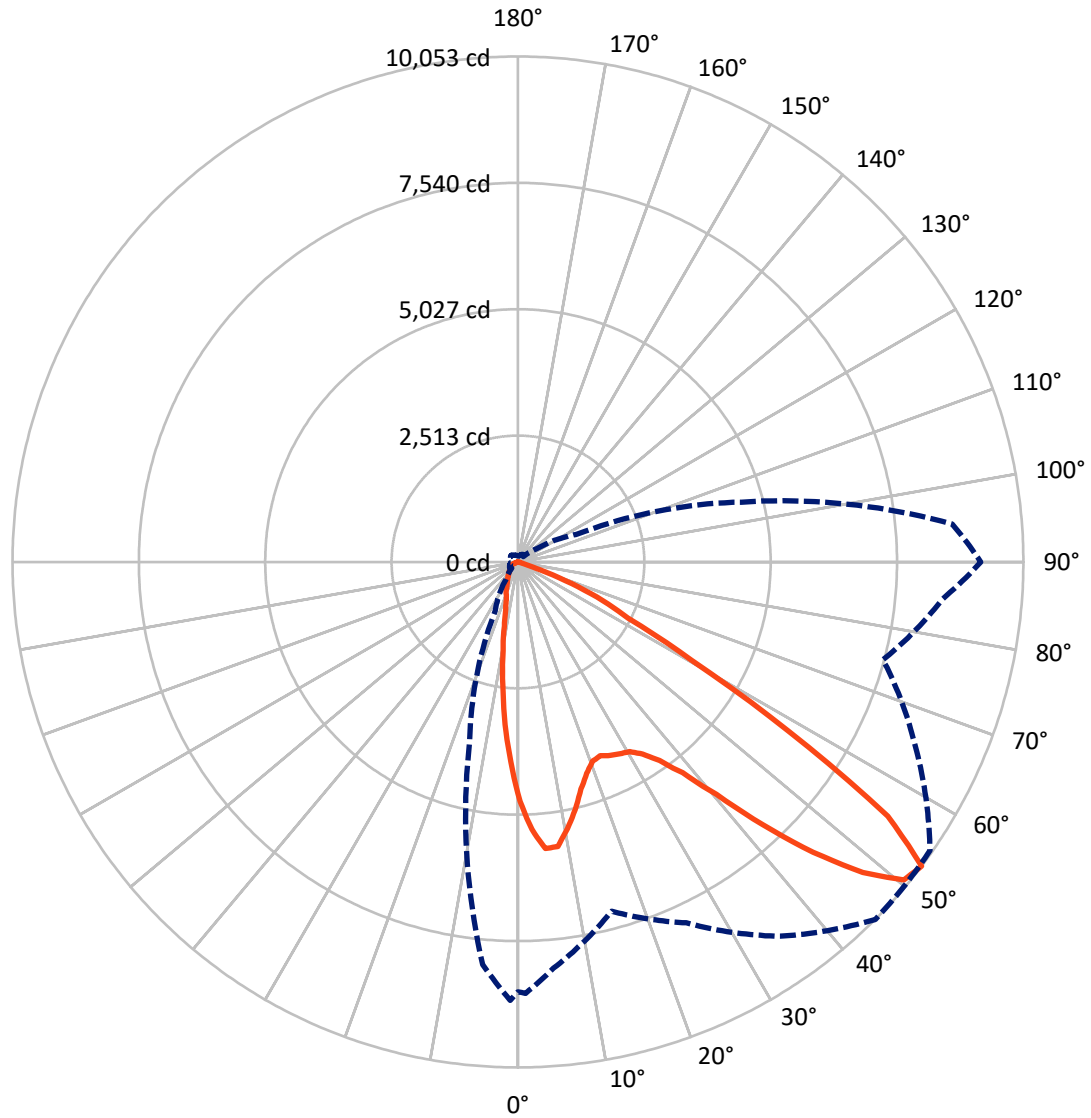
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	1905.9	0.0	1905.9
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	7485.1	0.0	7485.1
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	9391.0	0.0	9391.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.3	3.7
10°-20°	685.1	7.3
20°-30°	1042.7	11.1
30°-40°	1558.4	16.6
40°-50°	2219.3	23.6
50°-60°	2385.7	25.4
60°-70°	1057.1	11.3
70°-80°	85.5	0.9
80°-90°	10.0	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°	9391.0	100.0
0°-180°	9391.0	100.0

**Coefficient of Utilization**

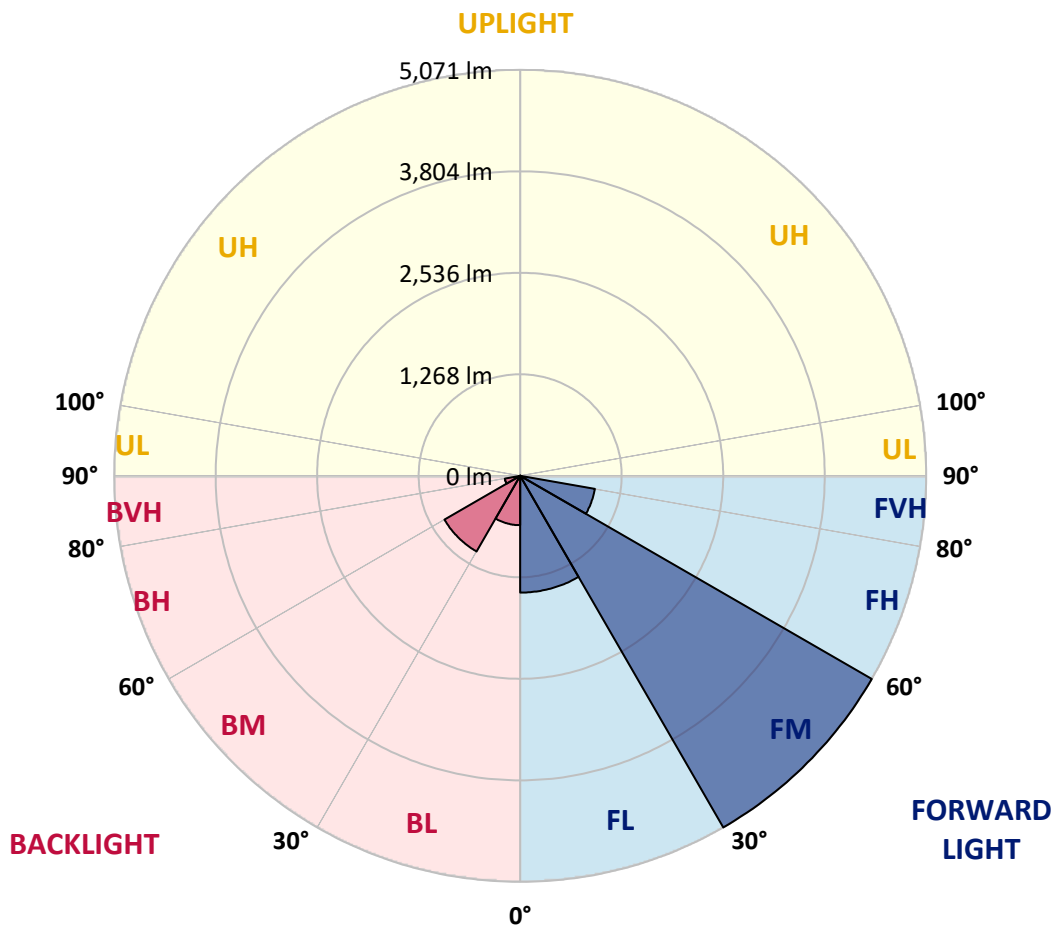


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1458.6	15.5			
FM (30°-60°)	5071.4	54.0			
FH (60°-80°)	947.7	10.1			G1/1800
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	616.4	6.6	B2/1000		
BM (30°-60°)	1091.9	11.6	B2/2500		
BH (60°-80°)	195.0	2.1	B1/500		G1/500
BVH (80°-90°)	2.6	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°	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7
2.5°	5038.7	5053.5	5134.8	5236.4	5289.9	5411.8	5326.9	5349.0	5302.9	5140.3	5012.9
5°	4885.4	4883.6	4987.0	5238.2	5476.5	5718.4	5725.8	5596.5	5369.4	5120.0	4763.5
7.5°	4423.7	4495.7	4602.8	5003.6	5445.1	5626.1	5712.9	5561.4	5212.4	4855.9	4469.8
10°	4074.6	4111.5	4292.5	4776.4	5099.7	5341.6	5395.2	5308.4	5040.6	4595.4	4163.2
12.5°	3873.2	3891.7	4104.1	4510.5	4852.2	5031.3	5057.2	5097.8	4905.7	4488.3	3969.3
15°	3875.1	3889.9	4176.2	4516.0	4650.9	4602.8	4687.8	4685.9	4769.1	4468.0	4131.8
17.5°	4154.0	4170.6	4429.2	4597.3	4538.2	4425.5	4420.0	4504.9	4680.4	4721.0	4377.5
20°	4634.2	4673.0	4863.3	4854.0	4521.6	4294.4	4231.6	4296.2	4704.4	4935.3	4872.5
22.5°	5280.7	5334.3	5467.2	5212.4	4597.3	4205.7	4185.4	4311.0	4863.3	5413.7	5434.0
25°	6030.6	6121.1	6185.7	5858.8	4867.0	4359.0	4263.0	4479.1	5077.5	5932.7	6148.8
27.5°	6527.4	6621.6	6606.9	6139.6	5048.0	4399.7	4318.4	4519.7	5264.1	6056.4	6521.9
30°	6915.3	6972.6	7076.0	6291.0	5229.0	4514.2	4375.6	4691.5	5325.0	6270.7	6972.6
32.5°	7367.8	7406.6	7414.0	6558.8	5507.9	4658.2	4553.0	4905.7	5594.7	6475.7	7371.5
35°	7824.1	7881.3	7761.3	6889.5	5679.7	4926.1	4848.5	5277.0	5810.8	6688.1	7811.1
37.5°	8319.1	8348.6	8071.6	7026.1	5925.3	5362.0	5319.5	5677.8	6185.7	7072.3	8298.8
40°	8734.7	8762.4	8402.2	7194.2	6183.9	5971.5	6080.5	6442.5	6695.5	7321.7	8542.6
42.5°	8965.5	9030.2	8513.0	7101.9	6702.9	6662.3	7146.2	7273.7	7286.6	7391.9	8760.5
45°	9028.3	8998.8	8330.2	7177.6	7157.3	7798.2	8237.8	8405.9	7873.9	7521.2	8815.9
47.5°	8738.4	8777.1	8060.5	7111.1	7753.9	8658.9	9227.8	9540.0	8311.7	7408.5	8679.2
50°	8503.8	8453.9	7973.7	7063.1	7914.6	9065.3	9942.6	10012.8	8714.3	7547.0	8529.6
52.5°	8550.0	8581.4	8112.2	7190.5	7918.3	9089.3	10053.4	10005.4	8727.3	7515.6	8476.1
55°	8647.8	8509.3	8053.1	6909.8	7388.2	8418.8	8923.1	8849.2	8054.9	7181.3	8344.9
57.5°	7462.0	7676.3	7404.8	6169.1	6063.8	6342.7	6333.5	6560.7	6008.4	6180.2	7596.9
60°	6056.4	6093.4	6195.0	5277.0	4196.5	4100.4	3967.4	3823.4	4043.2	5284.4	6909.8
62.5°	5326.9	5282.5	5644.6	4800.5	2962.7	2480.6	2458.4	2547.1	3119.7	5040.6	6481.3
65°	3871.4	3926.8	4189.1	3725.5	2223.8	1893.2	1860.0	2122.3	2524.9	4039.5	4946.4
67.5°	2364.2	2471.3	2495.4	2297.7	1509.0	1198.7	1150.7	1389.0	1823.0	2613.6	2899.9
70°	1091.6	1220.9	1342.8	1254.1	873.7	493.2	465.5	583.7	919.8	1503.5	1538.6
72.5°	330.6	332.5	465.5	485.8	282.6	110.8	97.9	129.3	312.2	496.9	522.7
75°	24.0	25.9	62.8	72.0	53.6	27.7	29.6	35.1	66.5	110.8	83.1
77.5°	1.8	1.8	1.8	9.2	16.6	18.5	24.0	27.7	35.1	40.6	36.9
80°	1.8	0.0	1.8	7.4	12.9	18.5	22.2	25.9	27.7	31.4	27.7
82.5°	0.0	0.0	0.0	5.5	12.9	18.5	20.3	27.7	31.4	36.9	31.4
85°	0.0	0.0	0.0	5.5	12.9	20.3	18.5	9.2	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°	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7
2.5°	5035.0	4963.0	4798.6	4715.5	4519.7	4492.0	4299.9	4268.5	4203.9	4168.8	4083.8
5°	4606.5	4519.7	4251.9	4026.6	3764.3	3581.4	3441.0	3313.6	3239.7	3171.4	3202.8
7.5°	4257.4	4004.4	3707.0	3330.2	3027.3	2831.5	2617.3	2441.8	2338.4	2268.2	2284.8
10°	3891.7	3727.3	3313.6	2890.6	2524.9	2386.4	2218.3	2083.5	1937.5	1811.9	1752.8
12.5°	3777.2	3533.4	3014.4	2584.0	2307.0	2172.1	1980.0	1824.9	1638.3	1485.0	1431.5
15°	3797.5	3562.9	2933.1	2473.2	2146.3	1913.5	1684.5	1492.4	1287.4	1180.3	1124.8
17.5°	4128.1	3721.8	2986.7	2356.8	1922.8	1599.5	1316.9	1073.1	919.8	809.0	785.0
20°	4534.5	4065.3	3101.2	2271.9	1739.9	1272.6	962.3	751.7	624.3	605.8	600.3
22.5°	5129.2	4626.8	3346.8	2214.6	1516.4	991.9	659.4	546.7	511.6	507.9	509.8
25°	5960.4	5330.6	3614.7	2166.6	1348.3	764.7	539.3	463.6	452.5	447.0	456.2
27.5°	6320.6	5755.4	3756.9	2063.1	1195.0	688.9	531.9	459.9	428.5	419.3	424.8
30°	6765.7	6038.0	3980.4	1885.8	969.7	567.0	496.9	500.5	485.8	439.6	424.8
32.5°	7356.8	6390.8	4093.0	1760.2	866.3	469.1	363.9	334.3	373.1	380.5	393.4
35°	7735.4	6749.1	4150.3	1686.3	812.7	400.8	308.5	280.8	271.5	273.4	280.8
37.5°	8439.1	7233.0	4222.3	1608.8	772.1	349.1	278.9	253.0	240.1	240.1	247.5
40°	8860.3	7617.2	4320.2	1566.3	731.4	317.7	253.0	230.9	219.8	219.8	223.5
42.5°	8965.5	7807.4	4287.0	1551.5	685.3	310.3	230.9	214.3	201.3	199.5	197.6
45°	9153.9	8097.4	4292.5	1534.9	637.2	282.6	218.0	199.5	181.0	179.2	177.3
47.5°	9360.8	8306.1	4303.6	1470.2	591.1	236.4	227.2	184.7	162.5	158.8	158.8
50°	9183.5	8472.4	4399.7	1405.6	531.9	192.1	223.5	173.6	144.1	138.5	140.4
52.5°	9205.7	8668.2	4602.8	1315.1	458.1	153.3	181.0	164.4	131.1	121.9	123.8
55°	8851.0	8461.3	4630.5	1219.0	358.3	118.2	138.5	144.1	110.8	107.1	107.1
57.5°	7619.0	7164.7	4085.7	988.2	236.4	97.9	99.7	125.6	96.0	92.4	94.2
60°	6520.1	5751.7	3287.7	652.0	147.8	77.6	72.0	127.4	85.0	83.1	88.7
62.5°	5943.8	4726.6	2493.5	404.5	101.6	59.1	49.9	103.4	73.9	73.9	81.3
65°	4294.4	3175.1	1449.9	212.4	72.0	46.2	36.9	59.1	61.0	62.8	66.5
67.5°	2659.7	1603.2	611.4	103.4	48.0	31.4	24.0	36.9	40.6	40.6	44.3
70°	1313.2	639.1	203.2	59.1	36.9	25.9	16.6	20.3	20.3	18.5	20.3
72.5°	406.3	192.1	51.7	36.9	25.9	16.6	9.2	7.4	3.7	0.0	1.8
75°	46.2	36.9	33.2	25.9	16.6	7.4	1.8	0.0	0.0	0.0	0.0
77.5°	27.7	31.4	31.4	25.9	16.6	5.5	0.0	0.0	0.0	0.0	0.0
80°	22.2	24.0	25.9	24.0	14.8	7.4	0.0	0.0	0.0	0.0	0.0
82.5°	27.7	31.4	35.1	31.4	20.3	9.2	3.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	5.5	1.8	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°	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7
2.5°	4048.7	4008.1	4065.3	3980.4	3978.5	3980.4	3956.4	3934.2	3969.3	4063.5	4072.7
5°	3090.1	3176.9	3204.6	3295.1	3245.3	3171.4	3186.1	3136.3	3258.2	3311.7	3269.3
7.5°	2249.7	2244.2	2430.7	2441.8	2465.8	2467.6	2464.0	2366.1	2266.3	2288.5	2355.0
10°	1745.5	1651.3	1741.8	1732.5	1791.6	1775.0	1799.0	1693.7	1728.8	1728.8	1771.3
12.5°	1422.2	1322.5	1305.9	1281.8	1305.9	1315.1	1324.3	1304.0	1363.1	1390.8	1420.4
15°	1086.1	1030.6	1015.9	969.7	977.1	1002.9	1025.1	1034.3	1015.9	1058.4	1062.0
17.5°	788.7	786.8	796.1	794.2	786.8	781.3	779.5	755.4	748.1	751.7	766.5
20°	598.4	613.2	644.6	676.0	692.6	672.3	644.6	604.0	587.4	591.1	592.9
22.5°	511.6	533.8	576.3	611.4	628.0	591.1	541.2	506.1	498.7	496.9	495.0
25°	463.6	489.5	520.9	531.9	530.1	507.9	471.0	456.2	452.5	448.8	432.2
27.5°	437.7	447.0	452.5	465.5	471.0	456.2	447.0	424.8	421.1	421.1	410.0
30°	423.0	417.4	424.8	415.6	423.0	411.9	413.7	413.7	404.5	408.2	408.2
32.5°	393.4	395.3	395.3	376.8	382.3	369.4	382.3	393.4	395.3	397.1	411.9
35°	288.1	321.4	338.0	338.0	343.5	334.3	332.5	319.5	302.9	286.3	278.9
37.5°	253.0	266.0	288.1	301.1	310.3	302.9	286.3	266.0	256.7	249.4	242.0
40°	225.3	236.4	251.2	266.0	284.4	275.2	249.4	240.1	229.0	229.0	221.6
42.5°	203.2	208.7	218.0	240.1	260.4	242.0	223.5	216.1	210.6	208.7	206.9
45°	182.9	184.7	193.9	212.4	236.4	218.0	199.5	190.2	192.1	193.9	192.1
47.5°	164.4	168.1	173.6	195.8	210.6	201.3	181.0	175.5	175.5	175.5	177.3
50°	142.2	151.5	162.5	181.0	192.1	186.6	169.9	162.5	158.8	158.8	160.7
52.5°	127.4	134.8	149.6	171.8	186.6	177.3	160.7	149.6	142.2	140.4	144.1
55°	110.8	123.8	147.8	164.4	184.7	175.5	157.0	144.1	131.1	129.3	129.3
57.5°	99.7	120.1	142.2	162.5	179.2	171.8	157.0	140.4	123.8	121.9	121.9
60°	94.2	116.4	138.5	157.0	179.2	168.1	155.2	136.7	118.2	118.2	116.4
62.5°	88.7	109.0	131.1	149.6	171.8	162.5	149.6	131.1	112.7	112.7	109.0
65°	73.9	94.2	109.0	125.6	149.6	140.4	127.4	114.5	99.7	96.0	97.9
67.5°	51.7	64.6	79.4	96.0	110.8	107.1	101.6	92.4	79.4	77.6	75.7
70°	25.9	35.1	48.0	64.6	77.6	73.9	70.2	62.8	55.4	53.6	53.6
72.5°	3.7	11.1	20.3	29.6	40.6	42.5	40.6	38.8	36.9	35.1	36.9
75°	0.0	0.0	0.0	7.4	16.6	20.3	24.0	27.7	27.7	24.0	29.6
77.5°	0.0	0.0	0.0	0.0	1.8	9.2	18.5	24.0	29.6	25.9	35.1
80°	0.0	0.0	0.0	0.0	1.8	11.1	18.5	25.9	29.6	25.9	36.9
82.5°	0.0	0.0	0.0	0.0	1.8	12.9	18.5	24.0	27.7	25.9	33.2
85°	0.0	0.0	0.0	0.0	5.5	11.1	7.4	3.7	1.8	1.8	5.5
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



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CATALOG NUMBER: GALN-SA3B-760-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7	4761.7
2.5°	4124.4	4255.6	4396.0	4449.5	4615.8	4741.4	4826.3	5009.2	5036.9	5038.7
5°	3313.6	3380.1	3620.2	3732.9	3980.4	4172.5	4377.5	4673.0	4870.6	4885.4
7.5°	2355.0	2539.7	2641.3	2934.9	3239.7	3540.8	3845.5	4189.1	4418.1	4423.7
10°	1895.1	2015.1	2196.1	2415.9	2672.7	2979.3	3385.6	3784.6	4017.3	4074.6
12.5°	1525.7	1736.2	1943.1	2170.3	2366.1	2596.9	3034.7	3566.6	3758.7	3873.2
15°	1174.7	1366.8	1610.6	1876.6	2098.2	2406.7	2905.4	3513.1	3836.3	3875.1
17.5°	866.3	1038.0	1263.4	1514.6	1847.0	2284.8	2927.6	3784.6	4089.4	4154.0
20°	622.5	722.2	899.5	1191.3	1614.3	2142.6	2949.7	4059.8	4523.4	4634.2
22.5°	493.2	533.8	650.2	908.7	1353.9	1993.0	3106.7	4586.2	5120.0	5280.7
25°	428.5	450.7	506.1	716.7	1189.5	1978.2	3357.9	5217.9	5914.2	6030.6
27.5°	413.7	417.4	465.5	657.5	1100.8	1880.3	3454.0	5666.7	6409.2	6527.4
30°	435.9	495.0	498.7	556.0	936.5	1686.3	3503.8	6100.8	6828.5	6915.3
32.5°	376.8	358.3	371.3	430.4	823.8	1573.7	3598.0	6479.4	7306.9	7367.8
35°	262.3	275.2	304.8	373.1	720.3	1455.5	3622.0	6896.9	7761.3	7824.1
37.5°	242.0	249.4	273.4	317.7	633.5	1389.0	3588.8	7201.6	8232.3	8319.1
40°	225.3	234.6	247.5	288.1	568.9	1315.1	3542.6	7476.8	8520.4	8734.7
42.5°	212.4	219.8	230.9	275.2	513.5	1241.2	3478.0	7864.7	8779.0	8965.5
45°	197.6	208.7	221.6	267.8	482.1	1191.3	3430.0	7840.7	8928.6	9028.3
47.5°	182.9	201.3	216.1	249.4	472.8	1167.3	3450.3	7750.2	8806.7	8738.4
50°	168.1	192.1	218.0	206.9	450.7	1119.3	3474.3	7873.9	8516.7	8503.8
52.5°	155.2	182.9	203.2	169.9	400.8	1073.1	3707.0	8036.5	8721.7	8550.0
55°	136.7	164.4	162.5	136.7	325.1	1038.0	3889.9	8040.2	8583.2	8647.8
57.5°	123.8	145.9	127.4	114.5	240.1	868.1	3592.5	6741.7	7347.5	7462.0
60°	114.5	142.2	96.0	90.5	157.0	626.1	3136.3	5221.6	5840.3	6056.4
62.5°	105.3	134.8	75.7	73.9	109.0	445.1	2578.5	4370.1	5033.2	5326.9
65°	92.4	96.0	61.0	57.3	77.6	240.1	1570.0	3008.8	3762.4	3871.4
67.5°	75.7	73.9	49.9	46.2	51.7	116.4	692.6	1507.2	2181.4	2364.2
70°	61.0	61.0	42.5	36.9	36.9	53.6	181.0	600.3	986.3	1091.6
72.5°	44.3	46.2	33.2	29.6	27.7	25.9	29.6	120.1	258.6	330.6
75°	38.8	40.6	33.2	25.9	20.3	16.6	12.9	11.1	14.8	24.0
77.5°	42.5	42.5	35.1	24.0	18.5	12.9	7.4	3.7	3.7	1.8
80°	53.6	55.4	46.2	31.4	22.2	14.8	9.2	3.7	1.8	1.8
82.5°	57.3	62.8	51.7	38.8	27.7	16.6	9.2	1.8	0.0	0.0
85°	14.8	24.0	40.6	35.1	27.7	16.6	9.2	1.8	0.0	0.0
87.5°	0.0	1.8	5.5	5.5	7.4	7.4	5.5	1.8	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)