

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: P528521

Luminaire Tested: **GALN-SA3C-760-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528521
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-SA3C-760-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1050mA 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: 11603 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

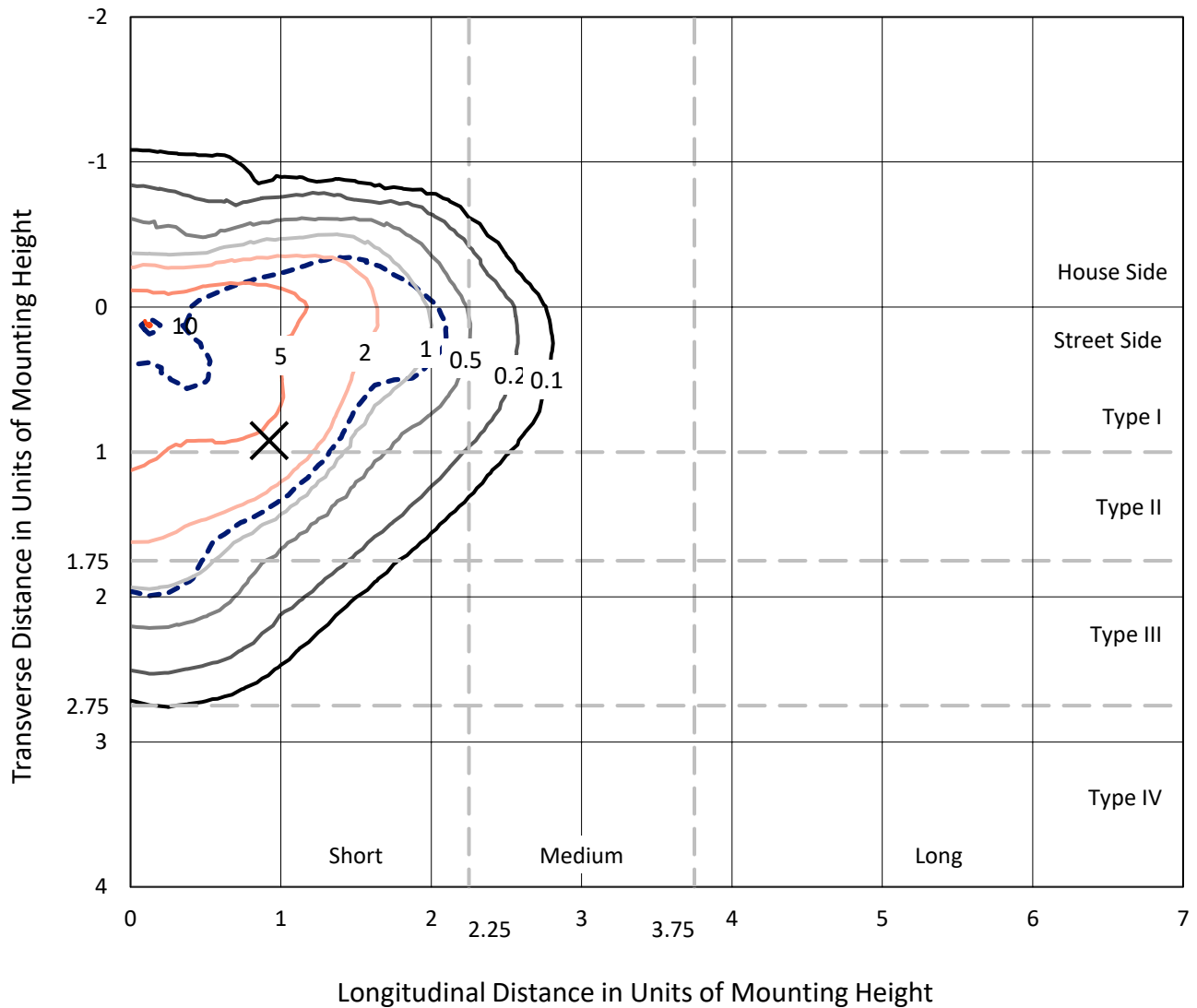
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

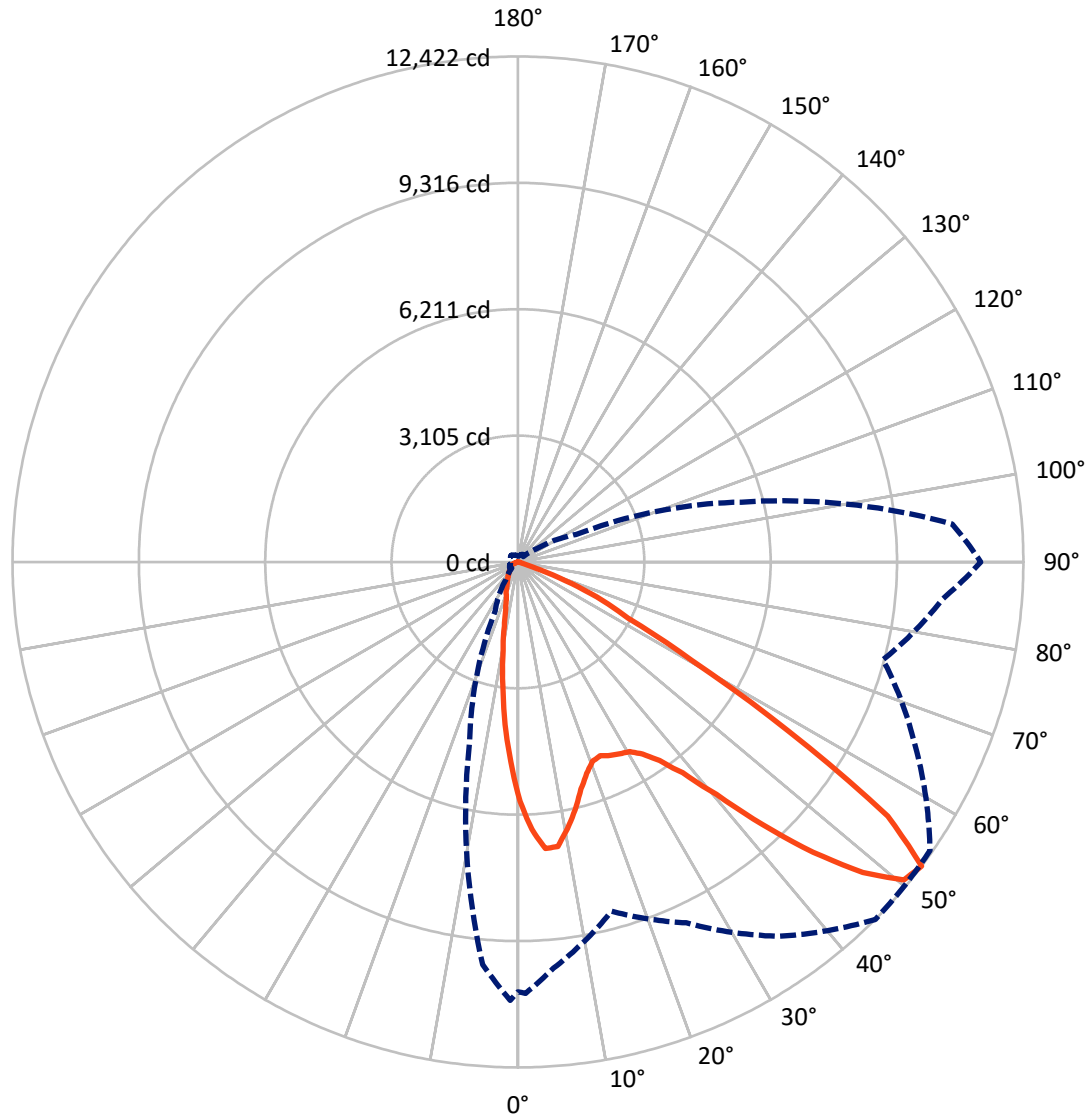
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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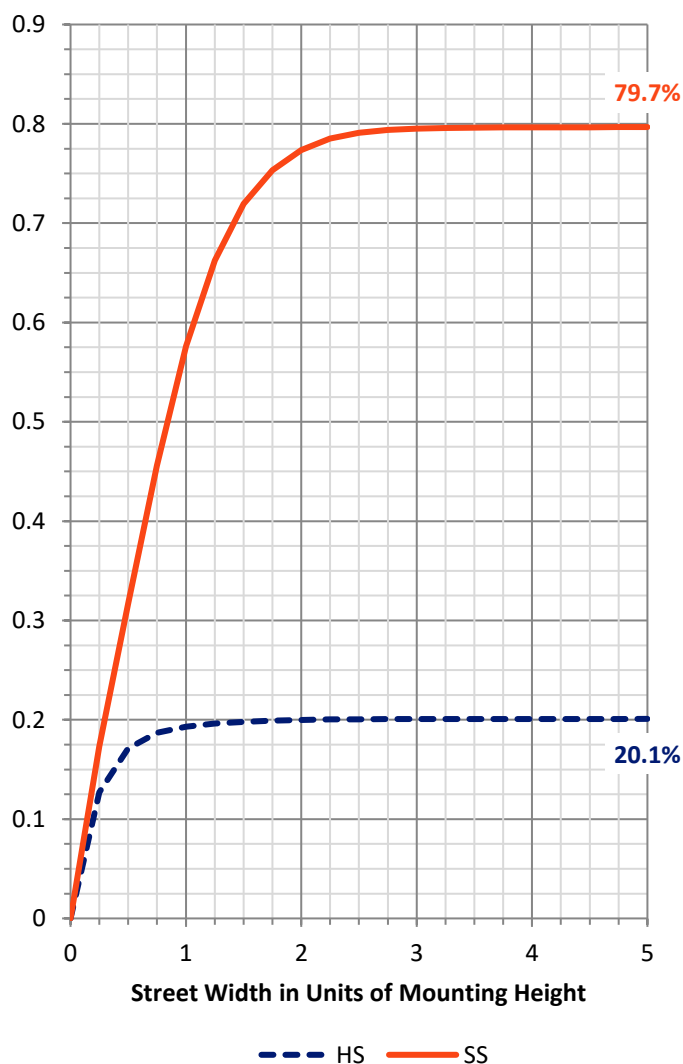
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2354.8	0.0	2354.8
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	9248.2	0.0	9248.2
	% Fixture	79.7	0.0	79.7
Total	Lumens	11603.0	0.0	11603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.1	3.7
10°-20°	846.5	7.3
20°-30°	1288.3	11.1
30°-40°	1925.4	16.6
40°-50°	2742.0	23.6
50°-60°	2947.6	25.4
60°-70°	1306.1	11.3
70°-80°	105.7	0.9
80°-90°	12.3	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°	11603.0	100.0
0°-180°	11603.0	100.0

Coefficient of Utilization

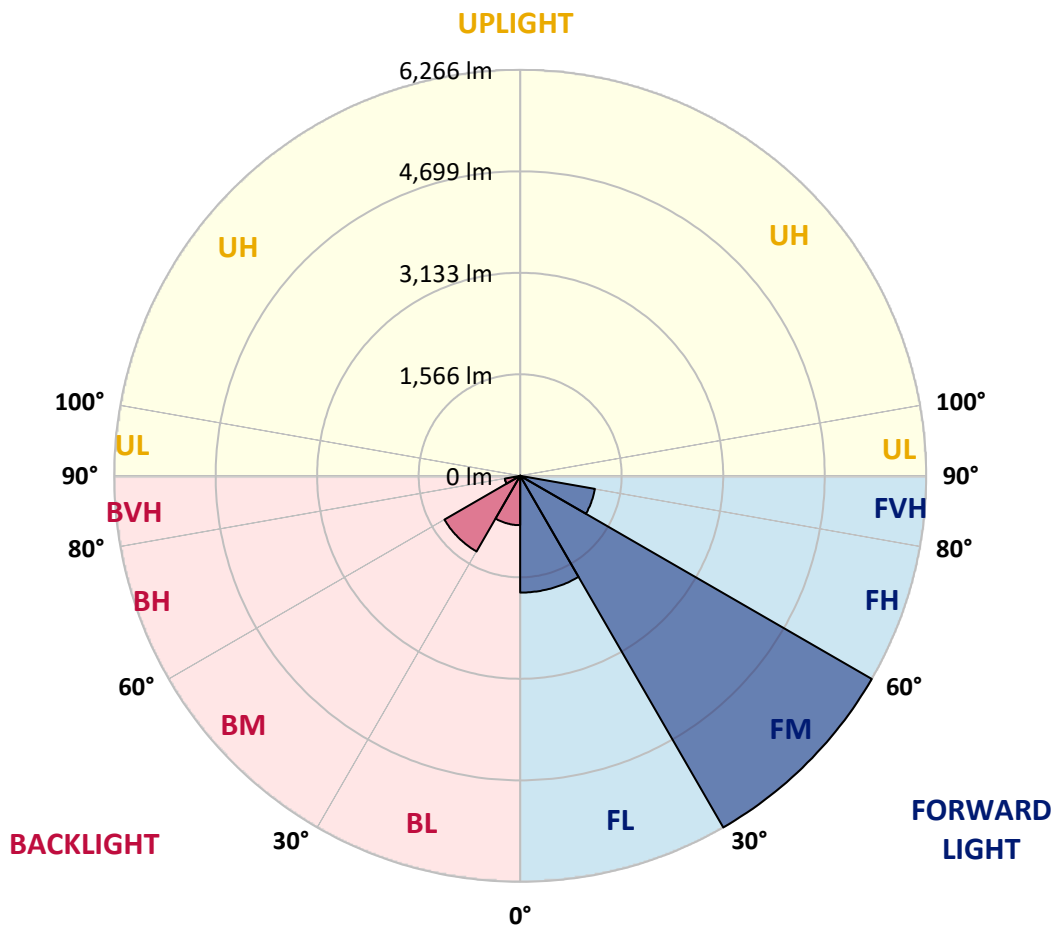


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1802.2	15.5			
FM (30°-60°)	6266.0	54.0			
FH (60°-80°)	1170.9	10.1			G1/1800
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	761.6	6.6	B2/1000		
BM (30°-60°)	1349.1	11.6	B2/2500		
BH (60°-80°)	240.9	2.1	B1/500		G1/500
BVH (80°-90°)	3.2	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°	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3
2.5°	6225.6	6243.8	6344.2	6469.8	6535.9	6686.6	6581.6	6609.0	6551.9	6351.1	6193.6
5°	6036.2	6033.9	6161.7	6472.0	6766.4	7065.4	7074.5	6914.8	6634.1	6326.0	5885.5
7.5°	5465.6	5554.6	5687.0	6182.2	6727.6	6951.3	7058.5	6871.4	6440.1	5999.6	5522.7
10°	5034.3	5080.0	5303.6	5901.5	6300.9	6599.8	6666.0	6558.8	6227.9	5677.9	5143.9
12.5°	4785.6	4808.4	5070.8	5572.9	5995.1	6216.4	6248.4	6298.6	6061.3	5545.5	4904.2
15°	4787.9	4806.1	5159.8	5579.7	5746.3	5687.0	5792.0	5789.7	5892.4	5520.4	5105.1
17.5°	5132.4	5153.0	5472.5	5680.2	5607.1	5467.9	5461.1	5566.0	5782.8	5833.1	5408.6
20°	5725.8	5773.7	6008.8	5997.4	5586.6	5305.9	5228.3	5308.2	5812.5	6097.8	6020.2
22.5°	6524.5	6590.7	6755.0	6440.1	5680.2	5196.3	5171.2	5326.4	6008.8	6688.8	6713.9
25°	7451.1	7562.9	7642.8	7238.8	6013.3	5385.8	5267.1	5534.1	6273.5	7330.1	7597.1
27.5°	8065.0	8181.3	8163.1	7585.7	6237.0	5436.0	5335.6	5584.3	6504.0	7483.0	8058.1
30°	8544.2	8614.9	8742.7	7772.8	6460.6	5577.5	5406.3	5796.5	6579.3	7747.7	8614.9
32.5°	9103.3	9151.2	9160.4	8103.7	6805.2	5755.5	5625.4	6061.3	6912.5	8001.1	9107.9
35°	9667.0	9737.7	9589.4	8512.2	7017.5	6086.4	5990.5	6520.0	7179.5	8263.5	9651.0
37.5°	10278.6	10315.1	9972.8	8681.1	7321.0	6624.9	6572.5	7015.2	7642.8	8738.2	10253.5
40°	10792.1	10826.3	10381.3	8888.8	7640.5	7378.0	7512.7	7960.0	8272.6	9046.3	10554.7
42.5°	11077.3	11157.2	10518.2	8774.7	8281.8	8231.5	8829.5	8986.9	9002.9	9133.0	10824.0
45°	11154.9	11118.4	10292.3	8868.3	8843.1	9635.0	10178.2	10385.8	9728.6	9292.7	10892.5
47.5°	10796.6	10844.6	9959.1	8786.1	9580.3	10698.5	11401.4	11787.1	10269.5	9153.5	10723.6
50°	10506.8	10445.2	9851.8	8726.8	9778.8	11200.6	12284.6	12371.3	10767.0	9324.7	10538.7
52.5°	10563.9	10602.6	10023.0	8884.2	9783.4	11230.2	12421.5	12362.1	10782.9	9285.9	10472.6
55°	10684.8	10513.6	9950.0	8537.3	9128.4	10401.8	11024.8	10933.6	9952.2	8872.8	10310.5
57.5°	9219.7	9484.4	9148.9	7622.2	7492.1	7836.7	7825.3	8106.0	7423.7	7635.9	9386.3
60°	7483.0	7528.7	7654.2	6520.0	5184.9	5066.3	4902.0	4724.0	4995.5	6529.1	8537.3
62.5°	6581.6	6526.8	6974.1	5931.2	3660.5	3064.9	3037.5	3147.0	3854.5	6227.9	8007.9
65°	4783.3	4851.7	5175.8	4603.0	2747.7	2339.2	2298.1	2622.1	3119.6	4991.0	6111.5
67.5°	2921.1	3053.5	3083.1	2838.9	1864.5	1481.1	1421.7	1716.1	2252.4	3229.2	3582.9
70°	1348.7	1508.5	1659.1	1549.5	1079.4	609.3	575.1	721.1	1136.5	1857.6	1901.0
72.5°	408.5	410.8	575.1	600.2	349.2	136.9	121.0	159.7	385.7	613.9	645.8
75°	29.7	31.9	77.6	89.0	66.2	34.2	36.5	43.4	82.2	136.9	102.7
77.5°	2.3	2.3	2.3	11.4	20.5	22.8	29.7	34.2	43.4	50.2	45.6
80°	2.3	0.0	2.3	9.1	16.0	22.8	27.4	31.9	34.2	38.8	34.2
82.5°	0.0	0.0	0.0	6.8	16.0	22.8	25.1	34.2	38.8	45.6	38.8
85°	0.0	0.0	0.0	6.8	16.0	25.1	22.8	11.4	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°	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3
2.5°	6221.0	6132.0	5928.9	5826.2	5584.3	5550.1	5312.7	5273.9	5194.1	5150.7	5045.7
5°	5691.6	5584.3	5253.4	4975.0	4650.9	4425.0	4251.6	4094.1	4002.8	3918.4	3957.2
7.5°	5260.2	4947.6	4580.2	4114.6	3740.4	3498.5	3233.7	3016.9	2889.1	2802.4	2823.0
10°	4808.4	4605.3	4094.1	3571.5	3119.6	2948.5	2740.8	2574.2	2393.9	2238.7	2165.7
12.5°	4666.9	4365.7	3724.4	3192.7	2850.3	2683.8	2446.4	2254.7	2024.2	1834.8	1768.6
15°	4692.0	4402.2	3624.0	3055.7	2651.8	2364.3	2081.3	1843.9	1590.6	1458.3	1389.8
17.5°	5100.5	4598.4	3690.2	2912.0	2375.7	1976.3	1627.1	1325.9	1136.5	999.6	969.9
20°	5602.6	5022.9	3831.7	2807.0	2149.7	1572.4	1189.0	928.8	771.4	748.5	741.7
22.5°	6337.4	5716.7	4135.2	2736.2	1873.6	1225.5	814.7	675.5	632.1	627.6	629.9
25°	7364.3	6586.1	4466.1	2676.9	1665.9	944.8	666.4	572.8	559.1	552.3	563.7
27.5°	7809.4	7111.0	4641.8	2549.1	1476.5	851.2	657.2	568.2	529.4	518.0	524.9
30°	8359.3	7460.2	4917.9	2330.0	1198.1	700.6	613.9	618.4	600.2	543.1	524.9
32.5°	9089.6	7896.1	5057.1	2174.8	1070.3	579.7	449.6	413.1	461.0	470.1	486.1
35°	9557.4	8338.8	5127.9	2083.6	1004.1	495.2	381.1	346.9	335.5	337.8	346.9
37.5°	10426.9	8936.7	5216.9	1987.7	953.9	431.3	344.6	312.6	296.7	296.7	305.8
40°	10947.2	9411.4	5337.8	1935.2	903.7	392.5	312.6	285.3	271.6	271.6	276.1
42.5°	11077.3	9646.4	5296.8	1917.0	846.7	383.4	285.3	264.7	248.7	246.5	244.2
45°	11310.1	10004.7	5303.6	1896.4	787.3	349.2	269.3	246.5	223.6	221.4	219.1
47.5°	11565.7	10262.6	5317.3	1816.6	730.3	292.1	280.7	228.2	200.8	196.3	196.3
50°	11346.6	10468.0	5436.0	1736.7	657.2	237.3	276.1	214.5	178.0	171.2	173.4
52.5°	11374.0	10709.9	5687.0	1624.9	566.0	189.4	223.6	203.1	162.0	150.6	152.9
55°	10935.8	10454.3	5721.2	1506.2	442.7	146.1	171.2	178.0	136.9	132.4	132.4
57.5°	9413.7	8852.3	5048.0	1220.9	292.1	121.0	123.2	155.2	118.7	114.1	116.4
60°	8055.8	7106.5	4062.1	805.6	182.6	95.8	89.0	157.5	105.0	102.7	109.5
62.5°	7343.8	5839.9	3080.8	499.8	125.5	73.0	61.6	127.8	91.3	91.3	100.4
65°	5305.9	3922.9	1791.5	262.4	89.0	57.1	45.6	73.0	75.3	77.6	82.2
67.5°	3286.2	1980.9	755.4	127.8	59.3	38.8	29.7	45.6	50.2	50.2	54.8
70°	1622.6	789.6	251.0	73.0	45.6	31.9	20.5	25.1	25.1	22.8	25.1
72.5°	502.1	237.3	63.9	45.6	31.9	20.5	11.4	9.1	4.6	0.0	2.3
75°	57.1	45.6	41.1	31.9	20.5	9.1	2.3	0.0	0.0	0.0	0.0
77.5°	34.2	38.8	38.8	31.9	20.5	6.8	0.0	0.0	0.0	0.0	0.0
80°	27.4	29.7	31.9	29.7	18.3	9.1	0.0	0.0	0.0	0.0	0.0
82.5°	34.2	38.8	43.4	38.8	25.1	11.4	4.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	6.8	2.3	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°	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3
2.5°	5002.4	4952.2	5022.9	4917.9	4915.6	4917.9	4888.3	4860.9	4904.2	5020.6	5032.0
5°	3818.0	3925.2	3959.4	4071.3	4009.7	3918.4	3936.6	3875.0	4025.6	4091.8	4039.3
7.5°	2779.6	2772.8	3003.2	3016.9	3046.6	3048.9	3044.3	2923.4	2800.1	2827.5	2909.7
10°	2156.6	2040.2	2152.0	2140.6	2213.6	2193.1	2222.8	2092.7	2136.0	2136.0	2188.5
12.5°	1757.2	1634.0	1613.4	1583.8	1613.4	1624.9	1636.3	1611.2	1684.2	1718.4	1754.9
15°	1341.9	1273.4	1255.2	1198.1	1207.2	1239.2	1266.6	1278.0	1255.2	1307.6	1312.2
17.5°	974.5	972.2	983.6	981.3	972.2	965.3	963.0	933.4	924.3	928.8	947.1
20°	739.4	757.7	796.5	835.2	855.8	830.7	796.5	746.2	725.7	730.3	732.6
22.5°	632.1	659.5	712.0	755.4	775.9	730.3	668.7	625.3	616.2	613.9	611.6
25°	572.8	604.8	643.6	657.2	655.0	627.6	581.9	563.7	559.1	554.6	534.0
27.5°	540.9	552.3	559.1	575.1	581.9	563.7	552.3	524.9	520.3	520.3	506.6
30°	522.6	515.8	524.9	513.5	522.6	508.9	511.2	511.2	499.8	504.3	504.3
32.5°	486.1	488.4	488.4	465.5	472.4	456.4	472.4	486.1	488.4	490.7	508.9
35°	356.0	397.1	417.6	417.6	424.5	413.1	410.8	394.8	374.3	353.7	344.6
37.5°	312.6	328.6	356.0	372.0	383.4	374.3	353.7	328.6	317.2	308.1	299.0
40°	278.4	292.1	310.4	328.6	351.4	340.0	308.1	296.7	283.0	283.0	273.9
42.5°	251.0	257.9	269.3	296.7	321.8	299.0	276.1	267.0	260.2	257.9	255.6
45°	225.9	228.2	239.6	262.4	292.1	269.3	246.5	235.1	237.3	239.6	237.3
47.5°	203.1	207.7	214.5	241.9	260.2	248.7	223.6	216.8	216.8	216.8	219.1
50°	175.7	187.1	200.8	223.6	237.3	230.5	210.0	200.8	196.3	196.3	198.5
52.5°	157.5	166.6	184.9	212.2	230.5	219.1	198.5	184.9	175.7	173.4	178.0
55°	136.9	152.9	182.6	203.1	228.2	216.8	194.0	178.0	162.0	159.7	159.7
57.5°	123.2	148.3	175.7	200.8	221.4	212.2	194.0	173.4	152.9	150.6	150.6
60°	116.4	143.8	171.2	194.0	221.4	207.7	191.7	168.9	146.1	146.1	143.8
62.5°	109.5	134.6	162.0	184.9	212.2	200.8	184.9	162.0	139.2	139.2	134.6
65°	91.3	116.4	134.6	155.2	184.9	173.4	157.5	141.5	123.2	118.7	121.0
67.5°	63.9	79.9	98.1	118.7	136.9	132.4	125.5	114.1	98.1	95.8	93.6
70°	31.9	43.4	59.3	79.9	95.8	91.3	86.7	77.6	68.5	66.2	66.2
72.5°	4.6	13.7	25.1	36.5	50.2	52.5	50.2	47.9	45.6	43.4	45.6
75°	0.0	0.0	0.0	9.1	20.5	25.1	29.7	34.2	34.2	29.7	36.5
77.5°	0.0	0.0	0.0	0.0	2.3	11.4	22.8	29.7	36.5	31.9	43.4
80°	0.0	0.0	0.0	0.0	2.3	13.7	22.8	31.9	36.5	31.9	45.6
82.5°	0.0	0.0	0.0	0.0	2.3	16.0	22.8	29.7	34.2	31.9	41.1
85°	0.0	0.0	0.0	0.0	6.8	13.7	9.1	4.6	2.3	2.3	6.8
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-SA3C-760-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3	5883.3
2.5°	5095.9	5258.0	5431.4	5497.6	5703.0	5858.2	5963.1	6189.1	6223.3	6225.6
5°	4094.1	4176.2	4472.9	4612.1	4917.9	5155.3	5408.6	5773.7	6017.9	6036.2
7.5°	2909.7	3137.9	3263.4	3626.3	4002.8	4374.8	4751.3	5175.8	5458.8	5465.6
10°	2341.4	2489.8	2713.4	2985.0	3302.2	3681.0	4183.1	4676.0	4963.6	5034.3
12.5°	1885.0	2145.2	2400.8	2681.5	2923.4	3208.6	3749.5	4406.7	4644.1	4785.6
15°	1451.4	1688.8	1990.0	2318.6	2592.5	2973.6	3589.7	4340.6	4739.9	4787.9
17.5°	1070.3	1282.5	1561.0	1871.3	2282.1	2823.0	3617.1	4676.0	5052.6	5132.4
20°	769.1	892.3	1111.4	1472.0	1994.6	2647.2	3644.5	5016.1	5588.9	5725.8
22.5°	609.3	659.5	803.3	1122.8	1672.8	2462.4	3838.5	5666.5	6326.0	6524.5
25°	529.4	556.8	625.3	885.5	1469.7	2444.1	4148.9	6446.9	7307.3	7451.1
27.5°	511.2	515.8	575.1	812.4	1360.1	2323.2	4267.5	7001.5	7918.9	8065.0
30°	538.6	611.6	616.2	686.9	1157.0	2083.6	4329.1	7537.8	8436.9	8544.2
32.5°	465.5	442.7	458.7	531.7	1017.8	1944.4	4445.5	8005.6	9028.0	9103.3
35°	324.1	340.0	376.5	461.0	890.0	1798.3	4475.2	8521.4	9589.4	9667.0
37.5°	299.0	308.1	337.8	392.5	782.8	1716.1	4434.1	8897.9	10171.3	10278.6
40°	278.4	289.8	305.8	356.0	702.9	1624.9	4377.1	9238.0	10527.3	10792.1
42.5°	262.4	271.6	285.3	340.0	634.4	1533.6	4297.2	9717.2	10846.8	11077.3
45°	244.2	257.9	273.9	330.9	595.6	1472.0	4237.9	9687.5	11031.7	11154.9
47.5°	225.9	248.7	267.0	308.1	584.2	1442.3	4263.0	9575.7	10881.1	10796.6
50°	207.7	237.3	269.3	255.6	556.8	1383.0	4292.6	9728.6	10522.8	10506.8
52.5°	191.7	225.9	251.0	210.0	495.2	1325.9	4580.2	9929.4	10776.1	10563.9
55°	168.9	203.1	200.8	168.9	401.7	1282.5	4806.1	9934.0	10604.9	10684.8
57.5°	152.9	180.3	157.5	141.5	296.7	1072.6	4438.7	8329.7	9078.2	9219.7
60°	141.5	175.7	118.7	111.8	194.0	773.6	3875.0	6451.5	7216.0	7483.0
62.5°	130.1	166.6	93.6	91.3	134.6	550.0	3185.8	5399.5	6218.7	6581.6
65°	114.1	118.7	75.3	70.7	95.8	296.7	1939.8	3717.5	4648.6	4783.3
67.5°	93.6	91.3	61.6	57.1	63.9	143.8	855.8	1862.2	2695.2	2921.1
70°	75.3	75.3	52.5	45.6	45.6	66.2	223.6	741.7	1218.6	1348.7
72.5°	54.8	57.1	41.1	36.5	34.2	31.9	36.5	148.3	319.5	408.5
75°	47.9	50.2	41.1	31.9	25.1	20.5	16.0	13.7	18.3	29.7
77.5°	52.5	52.5	43.4	29.7	22.8	16.0	9.1	4.6	4.6	2.3
80°	66.2	68.5	57.1	38.8	27.4	18.3	11.4	4.6	2.3	2.3
82.5°	70.7	77.6	63.9	47.9	34.2	20.5	11.4	2.3	0.0	0.0
85°	18.3	29.7	50.2	43.4	34.2	20.5	11.4	2.3	0.0	0.0
87.5°	0.0	2.3	6.8	6.8	9.1	9.1	6.8	2.3	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)