

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: P530887

Luminaire Tested: **GALN-SA6A-827-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530887
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-SA6A-827-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA 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: 11021 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

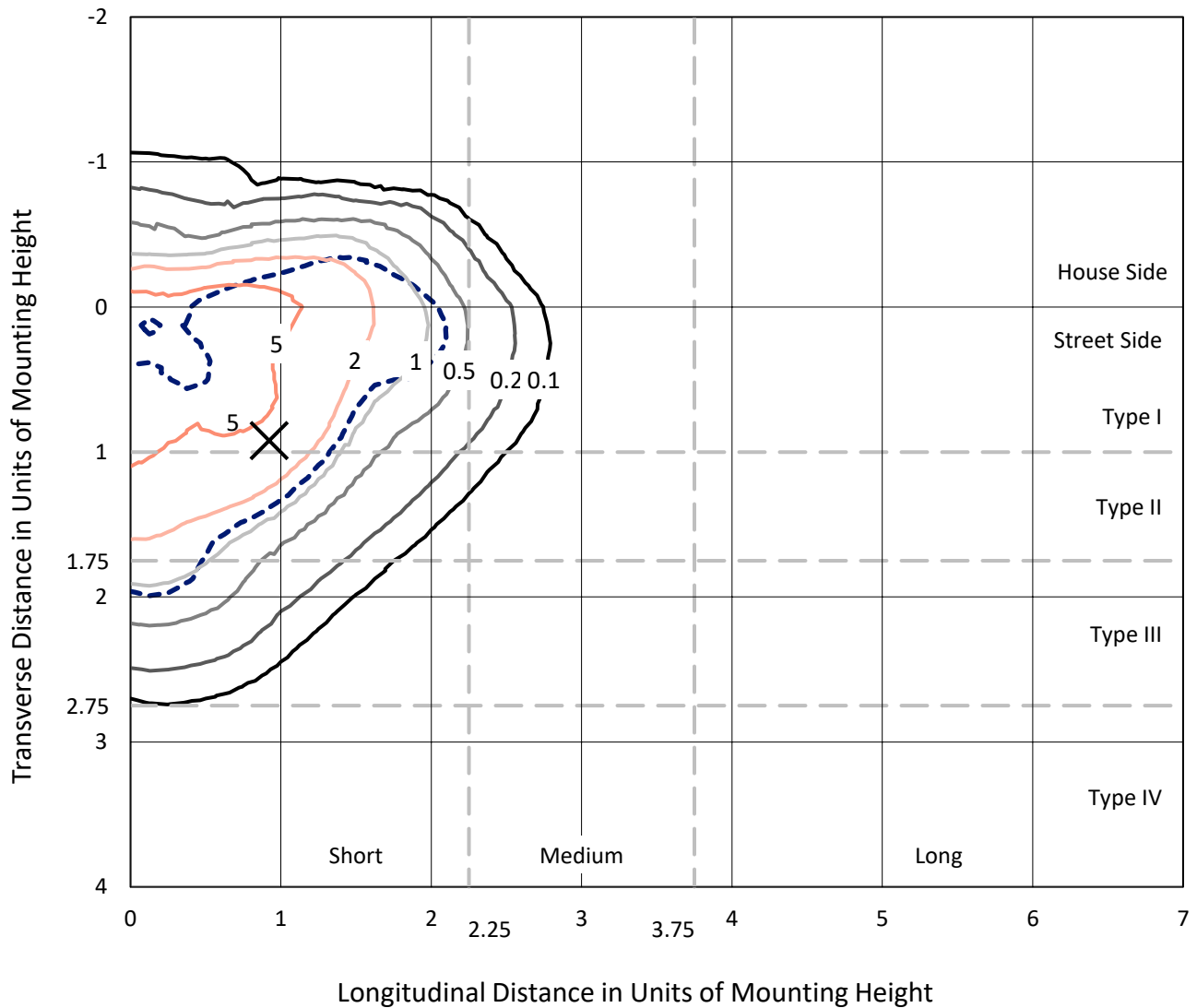
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

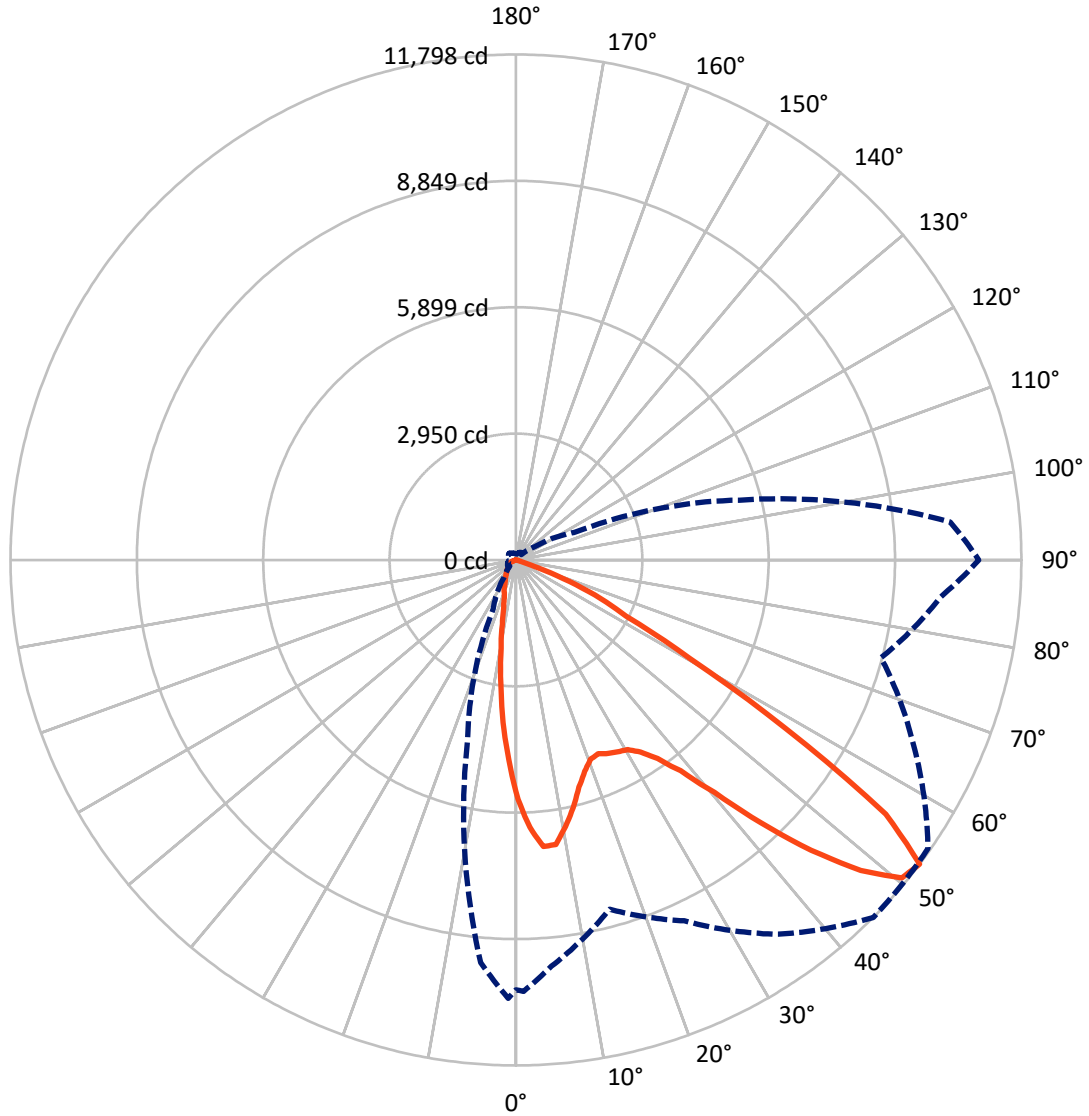
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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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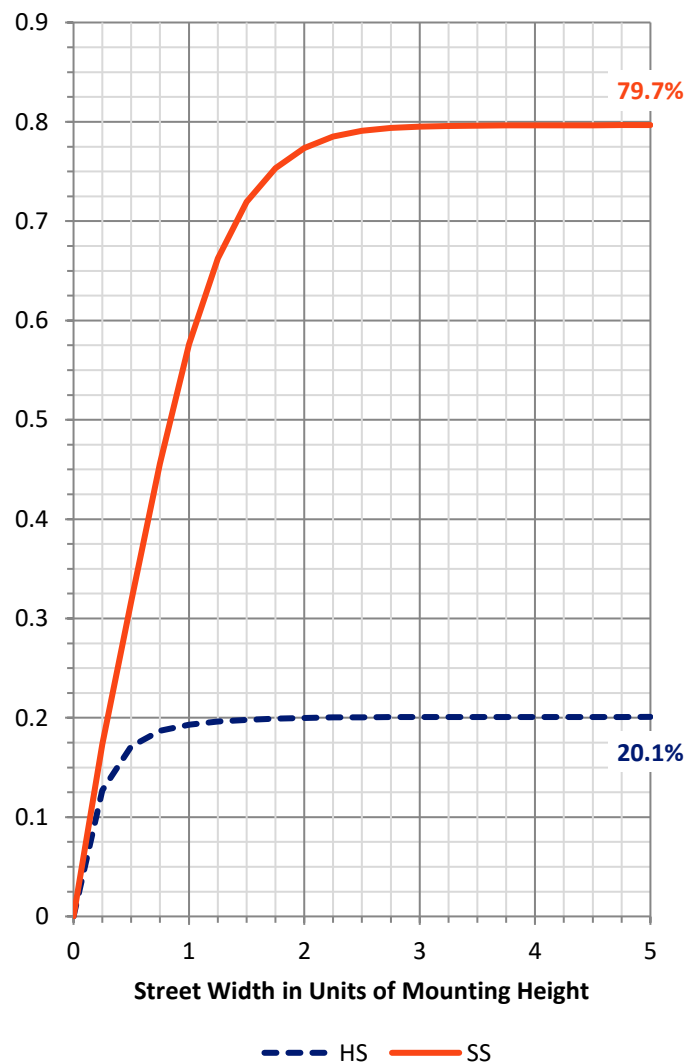
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2236.7	0.0	2236.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	8784.3	0.0	8784.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	11021.0	0.0	11021.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.5	3.7
10°-20°	804.1	7.3
20°-30°	1223.6	11.1
30°-40°	1828.9	16.6
40°-50°	2604.5	23.6
50°-60°	2799.7	25.4
60°-70°	1240.6	11.3
70°-80°	100.4	0.9
80°-90°	11.7	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°	11021.0	100.0
0°-180°	11021.0	100.0

Coefficient of Utilization



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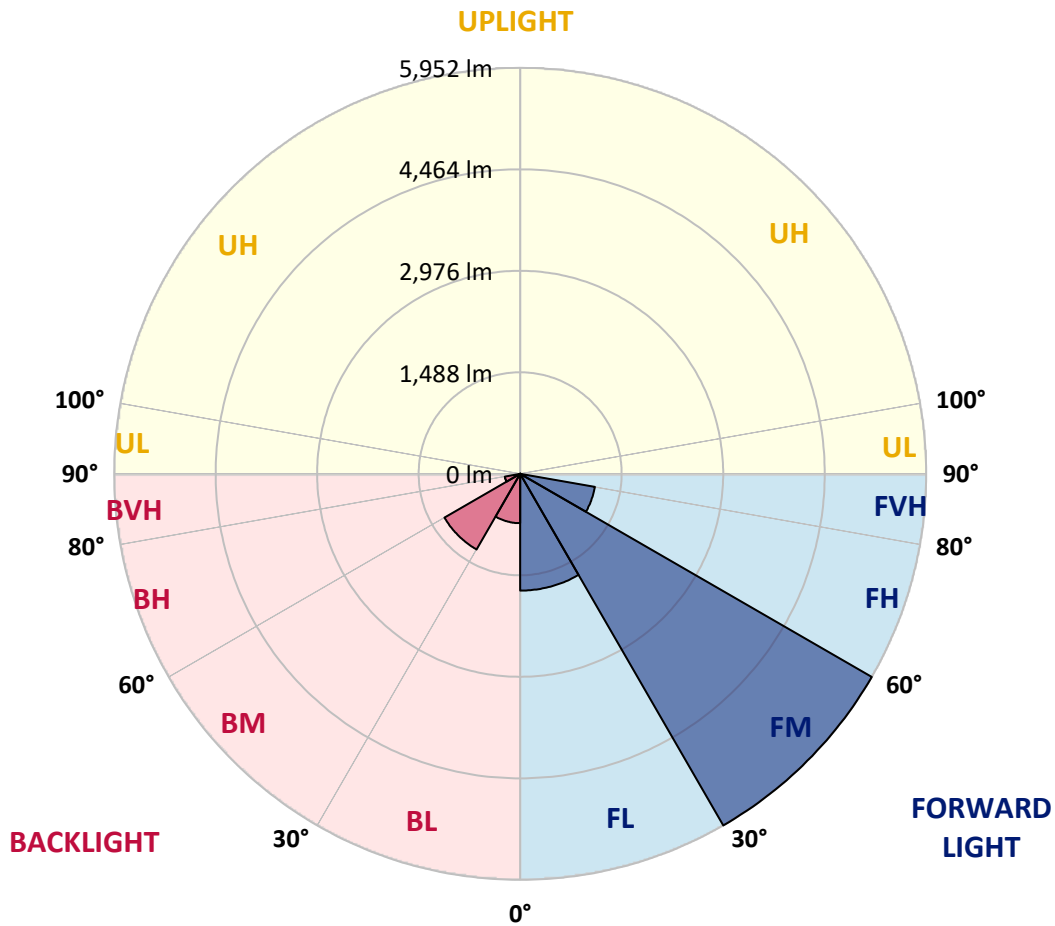
CATALOG NUMBER: GALN-SA6A-827-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1711.8	15.5			
FM (30°-60°)	5951.7	54.0			
FH (60°-80°)	1112.2	10.1			G1/1800
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	723.4	6.6	B2/1000		
BM (30°-60°)	1281.4	11.6	B2/2500		
BH (60°-80°)	228.9	2.1	B1/500		G1/500
BVH (80°-90°)	3.0	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°	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2
2.5°	5913.3	5930.6	6026.0	6145.2	6208.1	6351.2	6251.5	6277.5	6223.3	6032.5	5883.0
5°	5733.4	5731.2	5852.6	6147.4	6427.0	6711.0	6719.7	6567.9	6301.3	6008.7	5590.3
7.5°	5191.5	5276.0	5401.7	5872.1	6390.2	6602.6	6704.5	6526.7	6117.1	5698.7	5245.7
10°	4781.8	4825.2	5037.6	5605.5	5984.8	6268.8	6331.7	6229.8	5915.5	5393.1	4885.8
12.5°	4545.5	4567.2	4816.5	5293.4	5694.4	5904.6	5935.0	5982.7	5757.2	5267.3	4658.2
15°	4547.7	4565.0	4901.0	5299.9	5458.1	5401.7	5501.5	5499.3	5596.8	5243.5	4849.0
17.5°	4875.0	4894.5	5198.0	5395.2	5325.9	5193.6	5187.1	5286.9	5492.8	5540.5	5137.3
20°	5438.6	5484.1	5707.4	5696.5	5306.4	5039.7	4966.0	5041.9	5521.0	5791.9	5718.2
22.5°	6197.3	6260.1	6416.2	6117.1	5395.2	4935.7	4911.9	5059.3	5707.4	6353.3	6377.2
25°	7077.3	7183.5	7259.4	6875.7	5711.7	5115.6	5002.9	5256.5	5958.8	6962.4	7216.1
27.5°	7660.4	7771.0	7753.6	7205.2	5924.1	5163.3	5067.9	5304.2	6177.8	7107.7	7653.9
30°	8115.6	8182.8	8304.2	7383.0	6136.6	5297.7	5135.1	5505.8	6249.3	7359.1	8182.8
32.5°	8646.7	8692.2	8700.9	7697.3	6463.9	5466.8	5343.2	5757.2	6565.8	7599.7	8651.0
35°	9182.1	9249.3	9108.4	8085.3	6665.5	5781.1	5690.0	6192.9	6819.4	7849.0	9166.9
37.5°	9763.0	9797.7	9472.6	8245.7	6953.8	6292.6	6242.8	6663.3	7259.4	8299.9	9739.2
40°	10250.7	10283.3	9860.6	8442.9	7257.2	7008.0	7135.8	7560.7	7857.7	8592.5	10025.3
42.5°	10521.7	10597.6	9990.6	8334.6	7866.3	7818.7	8386.6	8536.1	8551.3	8674.9	10281.1
45°	10595.4	10560.7	9776.0	8423.4	8399.6	9151.7	9667.6	9864.9	9240.6	8826.6	10346.1
47.5°	10255.1	10300.6	9459.6	8345.4	9099.7	10161.9	10829.5	11195.8	9754.4	8694.4	10185.7
50°	9979.8	9921.3	9357.7	8289.0	9288.3	10638.7	11668.4	11750.7	10226.9	8857.0	10010.1
52.5°	10034.0	10070.8	9520.2	8438.6	9292.6	10666.9	11798.4	11742.1	10242.1	8820.1	9947.3
55°	10148.9	9986.3	9450.9	8109.1	8670.5	9880.1	10471.8	10385.1	9453.0	8427.8	9793.4
57.5°	8757.2	9008.7	8690.0	7239.9	7116.3	7443.7	7432.8	7699.4	7051.3	7252.9	8915.5
60°	7107.7	7151.0	7270.2	6192.9	4924.9	4812.1	4656.1	4487.0	4744.9	6201.6	8109.1
62.5°	6251.5	6199.4	6624.3	5633.7	3476.9	2911.1	2885.1	2989.2	3661.1	5915.5	7606.2
65°	4543.4	4608.4	4916.2	4372.1	2609.8	2221.8	2182.8	2490.6	2963.2	4740.6	5804.9
67.5°	2774.6	2900.3	2928.5	2696.5	1771.0	1406.8	1350.4	1630.1	2139.5	3067.2	3403.2
70°	1281.1	1432.8	1575.9	1471.8	1025.3	578.8	546.2	685.0	1079.5	1764.5	1805.6
72.5°	388.0	390.2	546.2	570.1	331.6	130.1	114.9	151.7	366.3	583.1	613.4
75°	28.2	30.3	73.7	84.5	62.9	32.5	34.7	41.2	78.0	130.1	97.5
77.5°	2.2	2.2	2.2	10.8	19.5	21.7	28.2	32.5	41.2	47.7	43.4
80°	2.2	0.0	2.2	8.7	15.2	21.7	26.0	30.3	32.5	36.8	32.5
82.5°	0.0	0.0	0.0	6.5	15.2	21.7	23.8	32.5	36.8	43.4	36.8
85°	0.0	0.0	0.0	6.5	15.2	23.8	21.7	10.8	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°	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2
2.5°	5909.0	5824.4	5631.5	5534.0	5304.2	5271.7	5046.3	5009.4	4933.5	4892.3	4792.6
5°	5406.1	5304.2	4989.9	4725.4	4417.6	4203.0	4038.3	3888.7	3802.0	3721.8	3758.7
7.5°	4996.4	4699.4	4350.4	3908.2	3552.8	3323.0	3071.5	2865.6	2744.2	2661.9	2681.4
10°	4567.2	4374.3	3888.7	3392.3	2963.2	2800.6	2603.3	2445.1	2273.8	2126.4	2057.1
12.5°	4432.8	4146.7	3537.6	3032.5	2707.4	2549.1	2323.7	2141.6	1922.7	1742.8	1679.9
15°	4456.7	4181.4	3442.2	2902.5	2518.8	2245.7	1976.9	1751.4	1510.8	1385.1	1320.1
17.5°	4844.7	4367.8	3505.1	2765.9	2256.5	1877.2	1545.5	1259.4	1079.5	949.4	921.2
20°	5321.5	4771.0	3639.5	2666.2	2041.9	1493.5	1129.3	882.2	732.7	711.0	704.5
22.5°	6019.5	5429.9	3927.8	2599.0	1779.6	1164.0	773.8	641.6	600.4	596.1	598.3
25°	6995.0	6255.8	4242.1	2542.6	1582.4	897.4	632.9	544.1	531.1	524.6	535.4
27.5°	7417.6	6754.3	4409.0	2421.2	1402.5	808.5	624.3	539.7	502.9	492.1	498.6
30°	7940.0	7086.0	4671.3	2213.2	1138.0	665.5	583.1	587.4	570.1	515.9	498.6
32.5°	8633.7	7500.0	4803.5	2065.8	1016.6	550.6	427.0	392.3	437.9	446.5	461.7
35°	9078.0	7920.5	4870.7	1979.0	953.8	470.4	362.0	329.5	318.6	320.8	329.5
37.5°	9903.9	8488.5	4955.2	1888.0	906.1	409.7	327.3	297.0	281.8	281.8	290.5
40°	10398.1	8939.3	5070.1	1838.2	858.4	372.8	297.0	271.0	257.9	257.9	262.3
42.5°	10521.7	9162.6	5031.1	1820.8	804.2	364.2	271.0	251.4	236.3	234.1	231.9
45°	10742.8	9502.9	5037.6	1801.3	747.8	331.6	255.8	234.1	212.4	210.3	208.1
47.5°	10985.6	9747.8	5050.6	1725.4	693.6	277.5	266.6	216.8	190.8	186.4	186.4
50°	10777.5	9942.9	5163.3	1649.6	624.3	225.4	262.3	203.8	169.1	162.6	164.7
52.5°	10803.5	10172.7	5401.7	1543.4	537.6	179.9	212.4	192.9	153.9	143.1	145.2
55°	10387.3	9929.9	5434.3	1430.6	420.5	138.7	162.6	169.1	130.1	125.7	125.7
57.5°	8941.5	8408.3	4794.8	1159.7	277.5	114.9	117.1	147.4	112.7	108.4	110.5
60°	7651.7	6750.0	3858.4	765.2	173.4	91.0	84.5	149.6	99.7	97.5	104.0
62.5°	6975.4	5547.0	2926.3	474.7	119.2	69.4	58.5	121.4	86.7	86.7	95.4
65°	5039.7	3726.2	1701.6	249.3	84.5	54.2	43.4	69.4	71.5	73.7	78.0
67.5°	3121.4	1881.5	717.5	121.4	56.4	36.8	28.2	43.4	47.7	47.7	52.0
70°	1541.2	750.0	238.4	69.4	43.4	30.3	19.5	23.8	23.8	21.7	23.8
72.5°	476.9	225.4	60.7	43.4	30.3	19.5	10.8	8.7	4.3	0.0	2.2
75°	54.2	43.4	39.0	30.3	19.5	8.7	2.2	0.0	0.0	0.0	0.0
77.5°	32.5	36.8	36.8	30.3	19.5	6.5	0.0	0.0	0.0	0.0	0.0
80°	26.0	28.2	30.3	28.2	17.3	8.7	0.0	0.0	0.0	0.0	0.0
82.5°	32.5	36.8	41.2	36.8	23.8	10.8	4.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	6.5	2.2	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°	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2
2.5°	4751.5	4703.8	4771.0	4671.3	4669.1	4671.3	4643.1	4617.1	4658.2	4768.8	4779.6
5°	3626.5	3728.3	3760.8	3867.1	3808.5	3721.8	3739.2	3680.6	3823.7	3886.6	3836.7
7.5°	2640.2	2633.7	2852.6	2865.6	2893.8	2896.0	2891.6	2776.7	2659.7	2685.7	2763.7
10°	2048.4	1937.9	2044.1	2033.2	2102.6	2083.1	2111.3	1987.7	2028.9	2028.9	2078.8
12.5°	1669.1	1552.0	1532.5	1504.3	1532.5	1543.4	1554.2	1530.3	1599.7	1632.2	1666.9
15°	1274.6	1209.5	1192.2	1138.0	1146.7	1177.0	1203.0	1213.9	1192.2	1242.1	1246.4
17.5°	925.6	923.4	934.3	932.1	923.4	916.9	914.7	886.6	877.9	882.2	899.6
20°	702.3	719.7	756.5	793.4	812.9	789.0	756.5	708.8	689.3	693.6	695.8
22.5°	600.4	626.4	676.3	717.5	737.0	693.6	635.1	593.9	585.3	583.1	580.9
25°	544.1	574.4	611.3	624.3	622.1	596.1	552.7	535.4	531.1	526.7	507.2
27.5°	513.7	524.6	531.1	546.2	552.7	535.4	524.6	498.6	494.2	494.2	481.2
30°	496.4	489.9	498.6	487.7	496.4	483.4	485.5	485.5	474.7	479.0	479.0
32.5°	461.7	463.9	463.9	442.2	448.7	433.5	448.7	461.7	463.9	466.0	483.4
35°	338.2	377.2	396.7	396.7	403.2	392.3	390.2	375.0	355.5	336.0	327.3
37.5°	297.0	312.1	338.2	353.3	364.2	355.5	336.0	312.1	301.3	292.6	284.0
40°	264.5	277.5	294.8	312.1	333.8	323.0	292.6	281.8	268.8	268.8	260.1
42.5°	238.4	244.9	255.8	281.8	305.6	284.0	262.3	253.6	247.1	244.9	242.8
45°	214.6	216.8	227.6	249.3	277.5	255.8	234.1	223.3	225.4	227.6	225.4
47.5°	192.9	197.3	203.8	229.8	247.1	236.3	212.4	205.9	205.9	205.9	208.1
50°	166.9	177.7	190.8	212.4	225.4	218.9	199.4	190.8	186.4	186.4	188.6
52.5°	149.6	158.2	175.6	201.6	218.9	208.1	188.6	175.6	166.9	164.7	169.1
55°	130.1	145.2	173.4	192.9	216.8	205.9	184.2	169.1	153.9	151.7	151.7
57.5°	117.1	140.9	166.9	190.8	210.3	201.6	184.2	164.7	145.2	143.1	143.1
60°	110.5	136.6	162.6	184.2	210.3	197.3	182.1	160.4	138.7	138.7	136.6
62.5°	104.0	127.9	153.9	175.6	201.6	190.8	175.6	153.9	132.2	132.2	127.9
65°	86.7	110.5	127.9	147.4	175.6	164.7	149.6	134.4	117.1	112.7	114.9
67.5°	60.7	75.9	93.2	112.7	130.1	125.7	119.2	108.4	93.2	91.0	88.9
70°	30.3	41.2	56.4	75.9	91.0	86.7	82.4	73.7	65.0	62.9	62.9
72.5°	4.3	13.0	23.8	34.7	47.7	49.9	47.7	45.5	43.4	41.2	43.4
75°	0.0	0.0	0.0	8.7	19.5	23.8	28.2	32.5	32.5	28.2	34.7
77.5°	0.0	0.0	0.0	0.0	2.2	10.8	21.7	28.2	34.7	30.3	41.2
80°	0.0	0.0	0.0	0.0	2.2	13.0	21.7	30.3	34.7	30.3	43.4
82.5°	0.0	0.0	0.0	0.0	2.2	15.2	21.7	28.2	32.5	30.3	39.0
85°	0.0	0.0	0.0	0.0	6.5	13.0	8.7	4.3	2.2	2.2	6.5
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-SA6A-827-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2	5588.2
2.5°	4840.3	4994.2	5159.0	5221.8	5416.9	5564.3	5664.0	5878.6	5911.1	5913.3
5°	3888.7	3966.8	4248.6	4380.8	4671.3	4896.7	5137.3	5484.1	5716.0	5733.4
7.5°	2763.7	2980.5	3099.7	3444.4	3802.0	4155.4	4513.0	4916.2	5185.0	5191.5
10°	2224.0	2364.9	2577.3	2835.3	3136.6	3496.4	3973.3	4441.5	4714.6	4781.8
12.5°	1790.5	2037.6	2280.4	2547.0	2776.7	3047.7	3561.4	4185.7	4411.1	4545.5
15°	1378.6	1604.0	1890.2	2202.3	2462.4	2824.4	3409.7	4122.8	4502.2	4547.7
17.5°	1016.6	1218.2	1482.7	1777.5	2167.6	2681.4	3435.7	4441.5	4799.1	4875.0
20°	730.5	847.5	1055.6	1398.1	1894.5	2514.5	3461.7	4764.5	5308.5	5438.6
22.5°	578.8	626.4	763.0	1066.5	1588.9	2338.9	3646.0	5382.2	6008.7	6197.3
25°	502.9	528.9	593.9	841.0	1396.0	2321.5	3940.8	6123.6	6940.8	7077.3
27.5°	485.5	489.9	546.2	771.7	1291.9	2206.7	4053.5	6650.3	7521.7	7660.4
30°	511.6	580.9	585.3	652.5	1099.0	1979.0	4112.0	7159.7	8013.7	8115.6
32.5°	442.2	420.5	435.7	505.1	966.8	1846.8	4222.6	7604.1	8575.2	8646.7
35°	307.8	323.0	357.7	437.9	845.4	1708.1	4250.7	8093.9	9108.4	9182.1
37.5°	284.0	292.6	320.8	372.8	743.5	1630.1	4211.7	8451.6	9661.1	9763.0
40°	264.5	275.3	290.5	338.2	667.6	1543.4	4157.5	8774.6	9999.3	10250.7
42.5°	249.3	257.9	271.0	323.0	602.6	1456.6	4081.7	9229.8	10302.8	10521.7
45°	231.9	244.9	260.1	314.3	565.8	1398.1	4025.3	9201.6	10478.3	10595.4
47.5°	214.6	236.3	253.6	292.6	554.9	1369.9	4049.1	9095.4	10335.3	10255.1
50°	197.3	225.4	255.8	242.8	528.9	1313.6	4077.3	9240.6	9995.0	9979.8
52.5°	182.1	214.6	238.4	199.4	470.4	1259.4	4350.4	9431.4	10235.6	10034.0
55°	160.4	192.9	190.8	160.4	381.5	1218.2	4565.0	9435.7	10073.0	10148.9
57.5°	145.2	171.2	149.6	134.4	281.8	1018.8	4216.0	7911.9	8622.8	8757.2
60°	134.4	166.9	112.7	106.2	184.2	734.8	3680.6	6127.9	6854.1	7107.7
62.5°	123.6	158.2	88.9	86.7	127.9	522.4	3026.0	5128.6	5906.8	6251.5
65°	108.4	112.7	71.5	67.2	91.0	281.8	1842.5	3531.1	4415.5	4543.4
67.5°	88.9	86.7	58.5	54.2	60.7	136.6	812.9	1768.8	2560.0	2774.6
70°	71.5	71.5	49.9	43.4	43.4	62.9	212.4	704.5	1157.5	1281.1
72.5°	52.0	54.2	39.0	34.7	32.5	30.3	34.7	140.9	303.5	388.0
75°	45.5	47.7	39.0	30.3	23.8	19.5	15.2	13.0	17.3	28.2
77.5°	49.9	49.9	41.2	28.2	21.7	15.2	8.7	4.3	4.3	2.2
80°	62.9	65.0	54.2	36.8	26.0	17.3	10.8	4.3	2.2	2.2
82.5°	67.2	73.7	60.7	45.5	32.5	19.5	10.8	2.2	0.0	0.0
85°	17.3	28.2	47.7	41.2	32.5	19.5	10.8	2.2	0.0	0.0
87.5°	0.0	2.2	6.5	6.5	8.7	8.7	6.5	2.2	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)