

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: P530967

Luminaire Tested: **GALN-SA6B-727-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530967
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-SA6B-727-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 15600 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

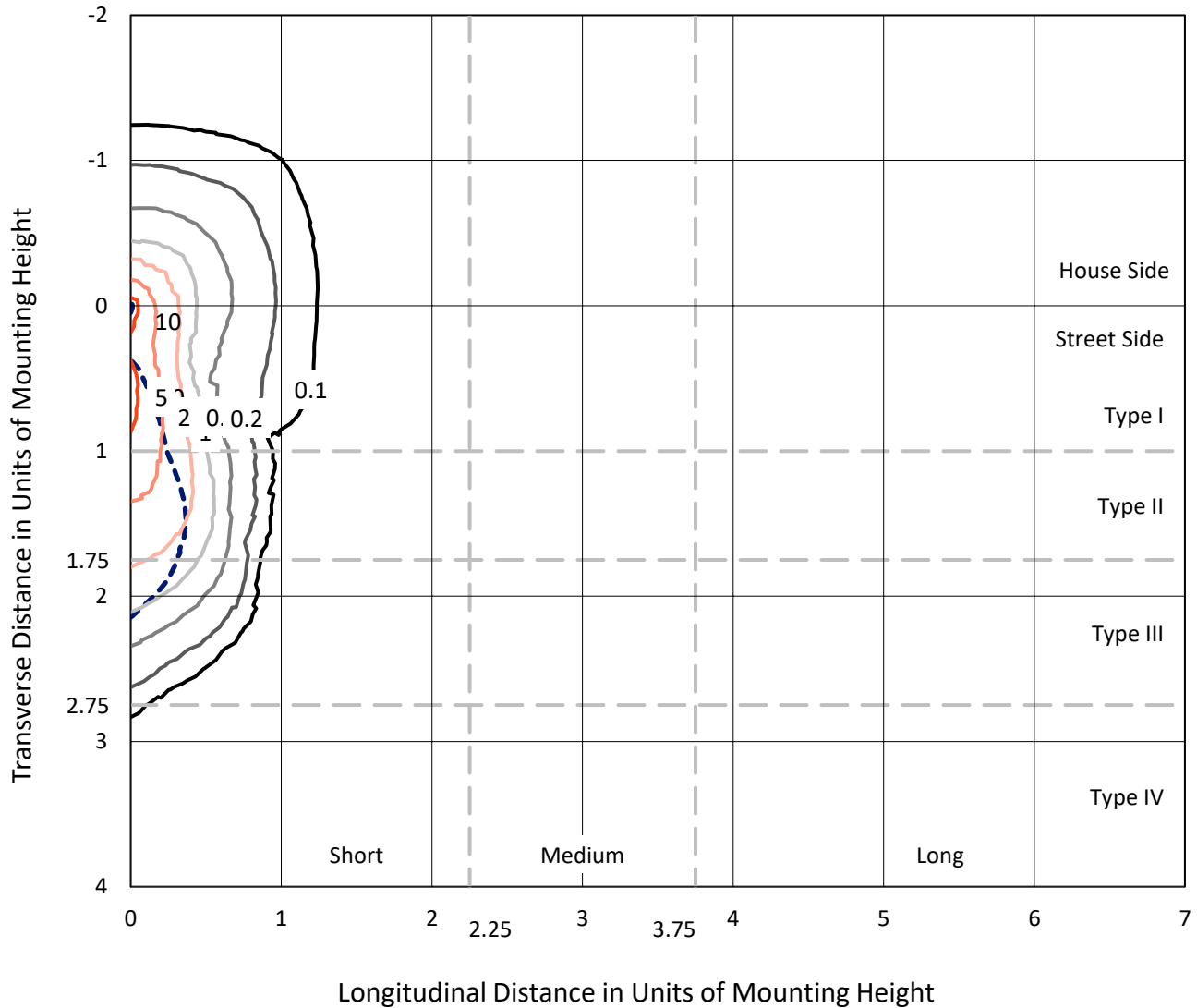
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

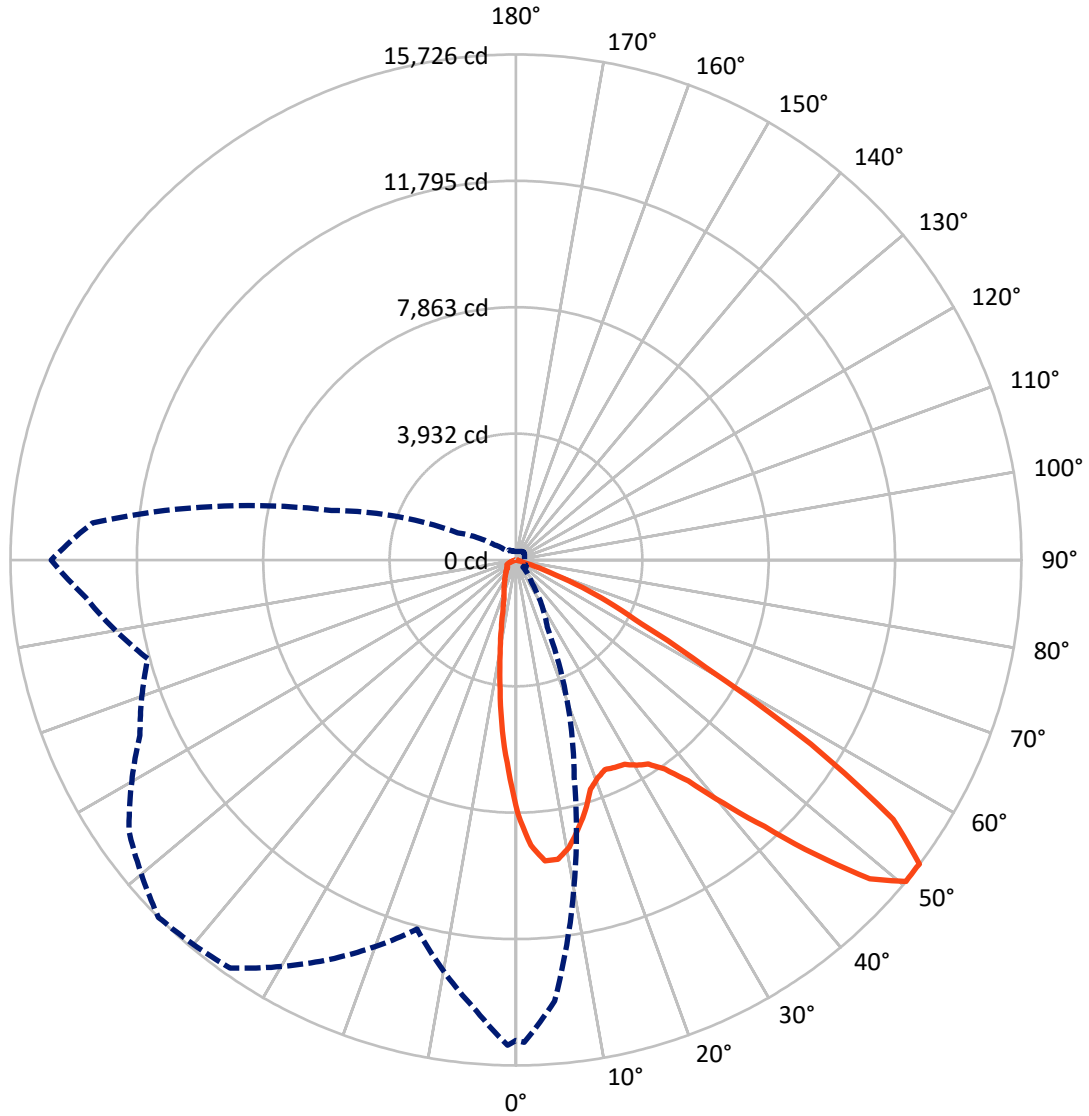
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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
House Side	Lumens	3124.7	0.0	3124.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	12475.3	0.0	12475.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	15600.0	0.0	15600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.6	3.7
10°-20°	1146.0	7.3
20°-30°	1721.7	11.0
30°-40°	2584.2	16.6
40°-50°	3632.0	23.3
50°-60°	3917.7	25.1
60°-70°	1819.0	11.7
70°-80°	171.1	1.1
80°-90°	31.6	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°	15600.0	100.0
0°-180°	15600.0	100.0

Coefficient of Utilization



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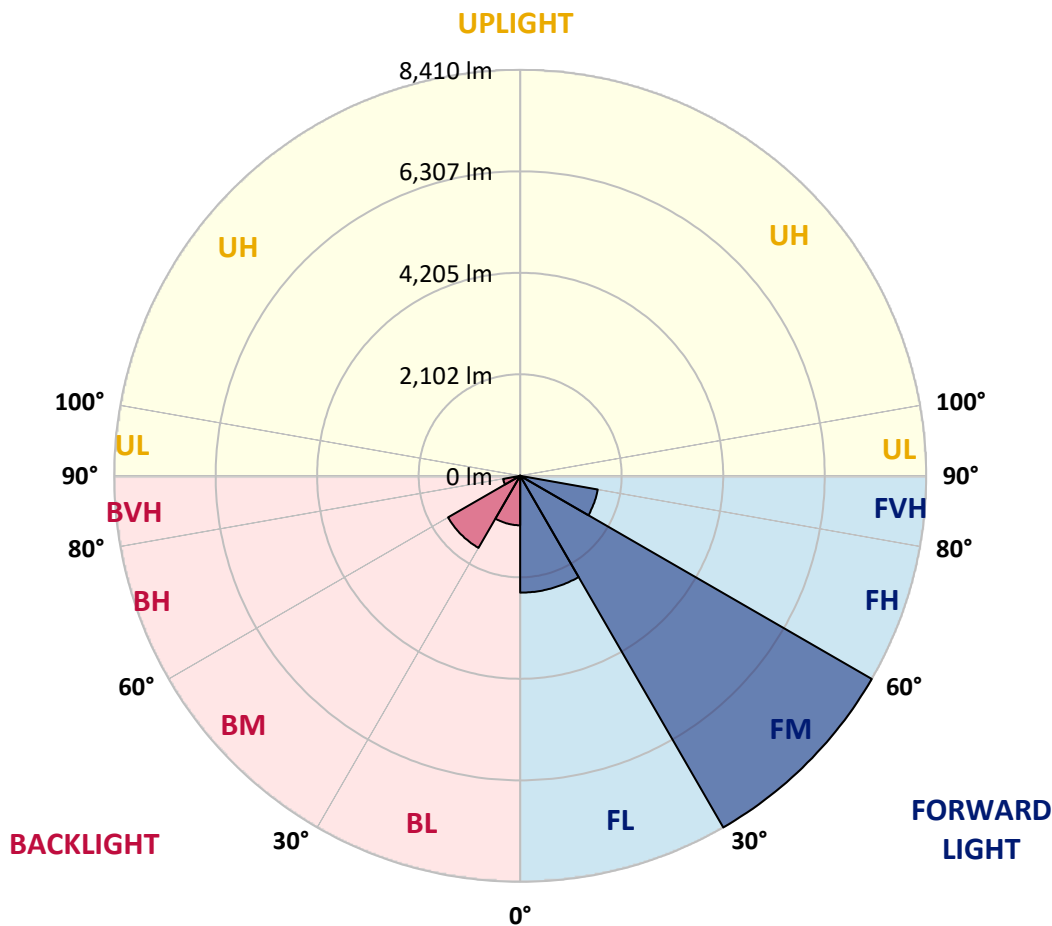
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2420.2	15.5			
FM (30°-60°)	8409.6	53.9			
FH (60°-80°)	1631.3	10.5			G1/1800
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	1024.2	6.6	B3/2500		
BM (30°-60°)	1724.4	11.1	B2/2500		
BH (60°-80°)	358.8	2.3	B1/500		G1/500
BVH (80°-90°)	17.3	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2
2.5°	8223.8	8096.9	7935.9	7802.8	7604.7	7205.5	7097.1	6967.2	6858.8	6713.3	6509.1
5°	7477.8	7437.6	7363.3	6861.9	6499.8	6016.9	5620.8	5453.6	5233.9	5054.4	4924.4
7.5°	6908.3	6747.4	6512.2	6007.7	5428.9	4912.0	4472.5	4215.6	3924.6	3825.6	3649.2
10°	6298.6	6335.7	5989.1	5280.3	4580.8	4163.0	3890.6	3643.0	3379.9	3206.6	2955.9
12.5°	6103.6	5982.9	5716.7	4840.8	4243.4	3853.4	3522.3	3215.8	2937.3	2658.7	2417.3
15°	6230.5	6044.8	5673.4	4747.9	3983.4	3497.5	3082.8	2668.0	2411.1	2055.2	1804.5
17.5°	6685.5	6536.9	6038.6	4847.0	3850.3	3157.0	2541.1	2114.0	1720.9	1399.0	1272.1
20°	7443.8	7233.3	6608.1	4973.9	3652.3	2745.4	2061.4	1535.2	1163.8	1027.6	956.4
22.5°	8186.6	8072.1	7282.9	5218.4	3475.8	2380.2	1547.6	1033.8	869.7	845.0	798.5
25°	9601.1	9257.6	8313.5	5661.0	3339.7	2036.6	1166.9	832.6	736.6	718.1	724.3
27.5°	10443.0	10155.1	9266.8	5955.0	3188.0	1773.5	987.3	764.5	699.5	659.3	643.8
30°	11250.8	10916.5	9740.4	6128.4	2863.0	1495.0	875.9	733.5	718.1	659.3	640.7
32.5°	11872.9	11544.9	10424.4	6388.4	2729.9	1315.4	721.2	572.6	532.4	526.2	581.9
35°	12826.2	12476.5	11009.4	6530.7	2627.8	1222.6	625.2	510.7	464.3	445.7	448.8
37.5°	13714.5	13476.2	11551.0	6586.4	2519.4	1194.7	560.2	458.1	417.8	405.5	402.4
40°	14457.4	13925.0	12064.8	6645.3	2473.0	1142.1	520.0	417.8	390.0	371.4	371.4
42.5°	14797.8	14256.2	12640.5	6611.2	2460.6	1058.5	520.0	383.8	362.1	343.6	340.5
45°	14723.6	14503.8	12897.4	6595.7	2460.6	975.0	473.6	374.5	343.6	318.8	312.6
47.5°	14915.5	14627.6	13219.3	6660.7	2411.1	916.2	399.3	393.1	325.0	294.0	287.8
50°	14949.5	15005.2	13779.5	6998.1	2302.8	841.9	312.6	386.9	312.6	266.2	260.0
52°	15172.4	14825.7	13949.8	7177.6	2188.3	786.2	263.1	331.2	300.2	247.6	241.4
52.5°	14865.9	15091.9	13990.0	7242.6	2200.6	749.0	253.8	325.0	294.0	247.6	232.1
55°	14522.4	14739.0	13826.0	7381.9	2018.0	588.1	198.1	235.2	266.2	216.7	207.4
57.5°	12622.0	12841.7	12015.3	6759.8	1643.5	414.7	164.0	176.4	235.2	201.2	191.9
60°	11219.9	11062.0	10084.0	5639.3	1166.9	232.1	130.0	136.2	256.9	185.7	182.6
62.5°	10254.2	9916.8	8428.1	4354.9	711.9	154.8	102.1	105.2	198.1	173.3	173.3
65°	7586.2	7208.6	5599.1	2634.0	349.8	108.3	77.4	83.6	123.8	148.6	148.6
67.5°	4330.1	4184.6	2705.1	1188.5	145.5	68.1	58.8	65.0	95.9	120.7	114.5
70°	1990.2	1785.9	1040.0	250.7	68.1	46.4	46.4	52.6	77.4	89.8	83.6
72.5°	581.9	550.9	253.8	40.2	27.9	27.9	31.0	40.2	58.8	68.1	61.9
75°	43.3	27.9	18.6	12.4	12.4	18.6	24.8	40.2	58.8	65.0	52.6
77.5°	3.1	6.2	3.1	3.1	9.3	18.6	27.9	49.5	77.4	80.5	58.8
80°	3.1	3.1	0.0	3.1	9.3	18.6	31.0	55.7	86.7	92.9	49.5
82.5°	0.0	0.0	0.0	3.1	12.4	24.8	37.1	58.8	80.5	99.0	52.6
85°	0.0	0.0	0.0	3.1	18.6	34.0	43.3	15.5	9.3	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°	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2
2.5°	6654.5	6574.1	6543.1	6571.0	6561.7	6552.4	6722.6	6685.5	6679.3	6735.0	6722.6
5°	4995.5	4853.2	5243.2	5085.3	5249.3	5348.4	5367.0	5376.3	5490.8	5370.1	5527.9
7.5°	3559.4	3596.5	3593.5	3698.7	3887.5	4054.6	4153.7	4076.3	4070.1	4054.6	3986.5
10°	2844.4	2779.4	2767.1	2742.3	2801.1	2943.5	3064.2	2968.2	2900.1	2993.0	2965.1
12.5°	2324.4	2234.7	2185.2	2086.1	2089.2	2185.2	2185.2	2185.2	2253.3	2305.9	2346.1
15°	1782.8	1708.5	1708.5	1609.5	1587.8	1590.9	1640.4	1646.6	1754.9	1785.9	1801.4
17.5°	1247.3	1207.1	1253.5	1293.8	1269.0	1275.2	1293.8	1300.0	1315.4	1303.1	1334.0
20°	959.5	953.3	965.7	1036.9	1089.5	1120.4	1098.8	1067.8	1049.3	1005.9	1005.9
22.5°	814.0	826.4	848.1	906.9	975.0	993.5	968.8	897.6	841.9	835.7	838.8
25°	724.3	736.6	770.7	807.8	845.0	875.9	851.2	798.5	767.6	739.7	739.7
27.5°	668.5	674.7	693.3	721.2	752.1	776.9	767.6	739.7	705.7	693.3	665.5
30°	625.2	634.5	656.2	662.4	690.2	702.6	687.1	680.9	659.3	643.8	634.5
32.5°	603.6	600.5	615.9	622.1	625.2	634.5	615.9	625.2	622.1	597.4	588.1
35°	455.0	479.7	520.0	554.0	563.3	575.7	572.6	560.2	526.2	498.3	464.3
37.5°	408.6	424.0	445.7	473.6	510.7	526.2	520.0	489.0	448.8	430.2	424.0
40°	377.6	386.9	405.5	424.0	461.2	489.0	467.4	439.5	408.6	393.1	383.8
42.5°	349.8	352.8	362.1	380.7	408.6	451.9	414.7	377.6	365.2	355.9	349.8
45°	318.8	318.8	331.2	340.5	371.4	411.7	374.5	340.5	334.3	328.1	325.0
47.5°	294.0	297.1	303.3	315.7	340.5	368.3	343.6	315.7	300.2	297.1	290.9
50°	263.1	266.2	278.6	290.9	321.9	337.4	321.9	290.9	275.5	266.2	266.2
52°	238.3	247.6	260.0	284.8	306.4	331.2	312.6	278.6	260.0	250.7	244.5
52.5°	235.2	241.4	253.8	281.7	306.4	328.1	309.5	275.5	253.8	247.6	241.4
55°	210.5	219.8	241.4	275.5	303.3	328.1	303.3	272.4	241.4	225.9	219.8
57.5°	201.2	207.4	235.2	278.6	300.2	328.1	303.3	272.4	241.4	213.6	207.4
60°	191.9	204.3	235.2	269.3	297.1	331.2	306.4	269.3	235.2	201.2	201.2
62.5°	182.6	191.9	232.1	263.1	284.8	318.8	294.0	263.1	225.9	191.9	188.8
65°	157.9	173.3	204.3	219.8	244.5	275.5	250.7	229.0	198.1	170.2	167.1
67.5°	120.7	126.9	151.7	170.2	185.7	213.6	201.2	173.3	151.7	130.0	130.0
70°	83.6	89.8	108.3	117.6	133.1	148.6	139.3	117.6	102.1	89.8	86.7
72.5°	58.8	61.9	68.1	74.3	80.5	86.7	83.6	68.1	58.8	55.7	52.6
75°	46.4	52.6	55.7	52.6	49.5	46.4	46.4	40.2	34.0	31.0	31.0
77.5°	46.4	49.5	46.4	40.2	34.0	31.0	27.9	24.8	18.6	15.5	18.6
80°	40.2	40.2	40.2	34.0	31.0	27.9	24.8	21.7	18.6	15.5	15.5
82.5°	43.3	43.3	40.2	34.0	34.0	27.9	27.9	24.8	21.7	15.5	15.5
85°	0.0	0.0	0.0	6.2	15.5	27.9	27.9	24.8	21.7	18.6	18.6
87.5°	0.0	0.0	0.0	0.0	3.1	6.2	12.4	15.5	18.6	18.6	18.6
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°	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2
2.5°	6834.1	6951.7	7174.5	7397.4	7533.6	7694.5	7985.4	8140.2	8341.4	8440.4	8635.4
5°	5506.2	5784.8	5883.9	6137.7	6410.0	6682.4	7115.7	7592.4	7988.5	8260.9	8613.8
7.5°	4017.5	4082.5	4466.3	4636.5	5082.2	5577.4	6168.6	6769.1	7270.5	7716.2	7985.4
10°	3011.6	3249.9	3491.3	3816.3	4175.3	4686.0	5252.4	5914.8	6564.8	7010.5	7350.9
12.5°	2420.4	2609.2	2931.1	3280.8	3723.4	4060.8	4630.3	5286.5	6128.4	6564.8	7013.6
15°	1832.3	2073.7	2439.0	2801.1	3268.5	3624.4	4200.1	5026.5	6109.8	6710.3	7097.1
17.5°	1358.8	1522.8	1850.9	2256.4	2733.0	3234.4	4011.3	4998.6	6317.2	7032.1	7431.4
20°	1040.0	1095.7	1303.1	1665.2	2182.1	2838.2	3704.9	5119.4	6930.0	7815.2	8220.7
22.5°	841.9	866.6	947.1	1197.8	1699.2	2491.6	3559.4	5202.9	7620.2	8753.0	9294.7
25°	733.5	727.4	780.0	888.3	1327.8	2166.6	3373.7	5518.6	8465.2	9854.9	10340.8
27.5°	668.5	668.5	693.3	770.7	1101.9	1956.1	3256.1	5744.6	9316.4	10823.7	11086.8
30°	634.5	640.7	711.9	736.6	916.2	1705.4	3061.1	5973.6	10130.4	11442.7	11804.8
32.5°	588.1	563.3	547.8	609.7	770.7	1479.5	2866.1	6069.6	10789.6	12201.0	12510.5
35°	451.9	439.5	458.1	504.5	662.4	1287.6	2649.4	6177.9	11548.0	13080.0	13141.9
37.5°	408.6	405.5	417.8	458.1	557.1	1120.4	2494.7	6150.0	12126.7	13807.4	13640.3
40°	377.6	377.6	386.9	420.9	498.3	1002.8	2333.7	6125.3	12687.0	14624.5	14135.5
42.5°	352.8	352.8	368.3	390.0	473.6	925.4	2213.0	6091.2	13157.4	15125.9	14426.4
45°	318.8	328.1	352.8	374.5	479.7	872.8	2123.3	5961.2	13318.4	15119.7	14287.1
47.5°	294.0	306.4	331.2	362.1	433.3	857.4	2061.4	5846.7	13262.7	14748.3	13850.7
50°	266.2	281.7	315.7	368.3	368.3	826.4	1996.4	5948.9	13222.4	14460.5	13432.9
52°	247.6	260.0	303.3	359.0	321.9	761.4	1956.1	6146.9	13386.5	14423.3	13247.2
52.5°	244.5	253.8	294.0	352.8	306.4	749.0	1928.3	6193.4	13439.1	14330.5	13374.1
55°	216.7	229.0	269.3	275.5	250.7	615.9	1838.5	6298.6	13179.1	14147.9	13253.4
57.5°	204.3	210.5	238.3	225.9	216.7	464.3	1581.6	6134.6	11705.8	12566.3	12331.0
60°	188.8	195.0	222.8	176.4	182.6	325.0	1188.5	5326.7	9399.9	10470.8	10894.9
62.5°	182.6	179.5	210.5	142.4	154.8	235.2	838.8	4330.1	7242.6	8620.0	9353.5
65°	160.9	157.9	151.7	120.7	133.1	182.6	501.4	2825.9	5103.9	6521.5	6923.8
67.5°	123.8	130.0	111.4	95.9	111.4	142.4	278.6	1265.9	2677.3	3912.3	4237.2
70°	86.7	92.9	89.8	83.6	99.0	117.6	160.9	433.3	1108.1	2055.2	2265.6
72.5°	52.6	65.0	68.1	71.2	86.7	102.1	114.5	139.3	294.0	727.4	903.8
75°	31.0	43.3	52.6	61.9	71.2	86.7	95.9	99.0	102.1	136.2	219.8
77.5°	21.7	31.0	46.4	58.8	71.2	86.7	102.1	108.3	102.1	95.9	102.1
80°	18.6	31.0	43.3	55.7	74.3	89.8	102.1	102.1	99.0	86.7	92.9
82.5°	18.6	31.0	46.4	58.8	71.2	86.7	99.0	102.1	92.9	86.7	89.8
85°	21.7	34.0	49.5	61.9	77.4	71.2	65.0	52.6	49.5	40.2	43.3
87.5°	21.7	31.0	31.0	34.0	37.1	37.1	37.1	34.0	27.9	24.8	24.8
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-SA6B-727-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2	7911.2
2.5°	8644.7	8892.3	8883.0	8889.2	8852.1	8601.4	8480.7	8174.3	8260.9	8223.8
5°	8975.9	9220.4	9430.9	9406.1	9121.4	8780.9	8276.4	7799.7	7669.7	7477.8
7.5°	8644.7	9232.8	9427.8	9399.9	8979.0	8542.6	7737.8	7261.2	7035.2	6908.3
10°	8118.5	8799.5	9040.9	9090.4	8805.7	8143.3	7403.6	6639.1	6518.4	6298.6
12.5°	7818.3	8313.5	8462.1	8595.2	8496.1	8000.9	7149.8	6416.2	6249.1	6103.6
15°	7573.8	7867.8	7929.7	8081.4	8140.2	7874.0	7282.9	6657.6	6246.0	6230.5
17.5°	7799.7	7679.0	7453.1	7499.5	7685.2	7877.1	7626.4	7134.3	6735.0	6685.5
20°	8174.3	7641.9	7131.2	7245.7	7400.5	7988.5	8146.4	7799.7	7570.7	7443.8
22.5°	8604.5	7706.9	7029.1	7084.8	7378.8	8239.3	8988.3	8796.4	8369.2	8186.6
25°	9399.9	7886.4	7109.5	7146.7	7549.0	8589.0	9749.7	9892.1	9638.3	9601.1
27.5°	10176.8	8350.7	7285.9	7202.4	7635.7	8929.5	10210.9	10975.4	10529.7	10443.0
30°	10573.0	8728.3	7549.0	7406.7	7994.7	9136.8	10489.4	11681.0	11291.1	11250.8
32.5°	11179.6	9071.8	7753.3	7570.7	8195.9	9393.7	11009.4	12451.7	12074.1	11872.9
35°	11433.4	9446.4	8202.1	7988.5	8771.6	9752.8	11275.6	13138.9	13021.2	12826.2
37.5°	11922.5	9848.7	8731.4	8719.0	9468.0	10220.1	11755.3	14073.6	14051.9	13714.5
40°	11962.7	10288.2	9567.1	9957.1	10545.1	11034.2	12176.3	14333.6	14686.4	14457.4
42.5°	12024.6	11058.9	11012.5	11334.4	11838.9	11733.7	12191.7	14395.5	14934.0	14797.8
45°	12052.5	11829.6	12482.7	13076.9	13287.4	12649.8	12046.3	14277.9	15064.0	14723.6
47.5°	11829.6	12492.0	13671.2	14819.5	14881.4	13213.1	11984.4	14157.1	15141.4	14915.5
50°	11860.6	12906.7	14698.8	15726.4	15500.4	13711.5	11888.4	14082.9	15101.2	14949.5
52°	11786.3	12916.0	14844.3	15707.8	15550.0	13436.0	11724.4	13798.1	15064.0	15172.4
52.5°	11869.8	12860.3	14692.6	15720.2	15515.9	13572.2	11702.7	13956.0	15085.7	14865.9
55°	11582.0	12197.9	13804.3	14240.7	14209.8	12318.6	11037.3	13432.9	14519.3	14522.4
57.5°	10467.7	10573.0	10826.8	10817.5	10675.1	9684.7	9440.2	12352.7	12943.9	12622.0
60°	9223.5	7740.9	7056.9	6778.3	6620.5	6459.5	8350.7	11300.3	11356.1	11219.9
62.5°	7970.0	5367.0	4457.0	4379.6	4416.8	5004.8	8072.1	10882.5	10548.2	10254.2
65°	6431.7	3912.3	3237.5	3135.4	3497.5	4132.0	6533.8	8344.5	7830.7	7586.2
67.5°	4039.2	2853.7	2188.3	1996.4	2432.8	2844.4	4293.0	5243.2	4667.5	4330.1
70°	2395.6	1594.0	990.4	888.3	999.7	1516.6	2404.9	2615.4	2163.5	1990.2
72.5°	944.0	585.0	275.5	235.2	244.5	532.4	885.2	863.5	653.1	581.9
75°	253.8	176.4	95.9	77.4	65.0	99.0	142.4	92.9	34.0	43.3
77.5°	117.6	105.2	83.6	65.0	49.5	37.1	18.6	6.2	6.2	3.1
80°	102.1	89.8	77.4	65.0	49.5	31.0	15.5	3.1	3.1	3.1
82.5°	95.9	83.6	71.2	58.8	46.4	31.0	15.5	3.1	0.0	0.0
85°	40.2	52.6	58.8	55.7	49.5	31.0	15.5	3.1	0.0	0.0
87.5°	21.7	18.6	15.5	12.4	9.3	6.2	6.2	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)