

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: P527276

Luminaire Tested: **GALN-SA2B-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7939 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

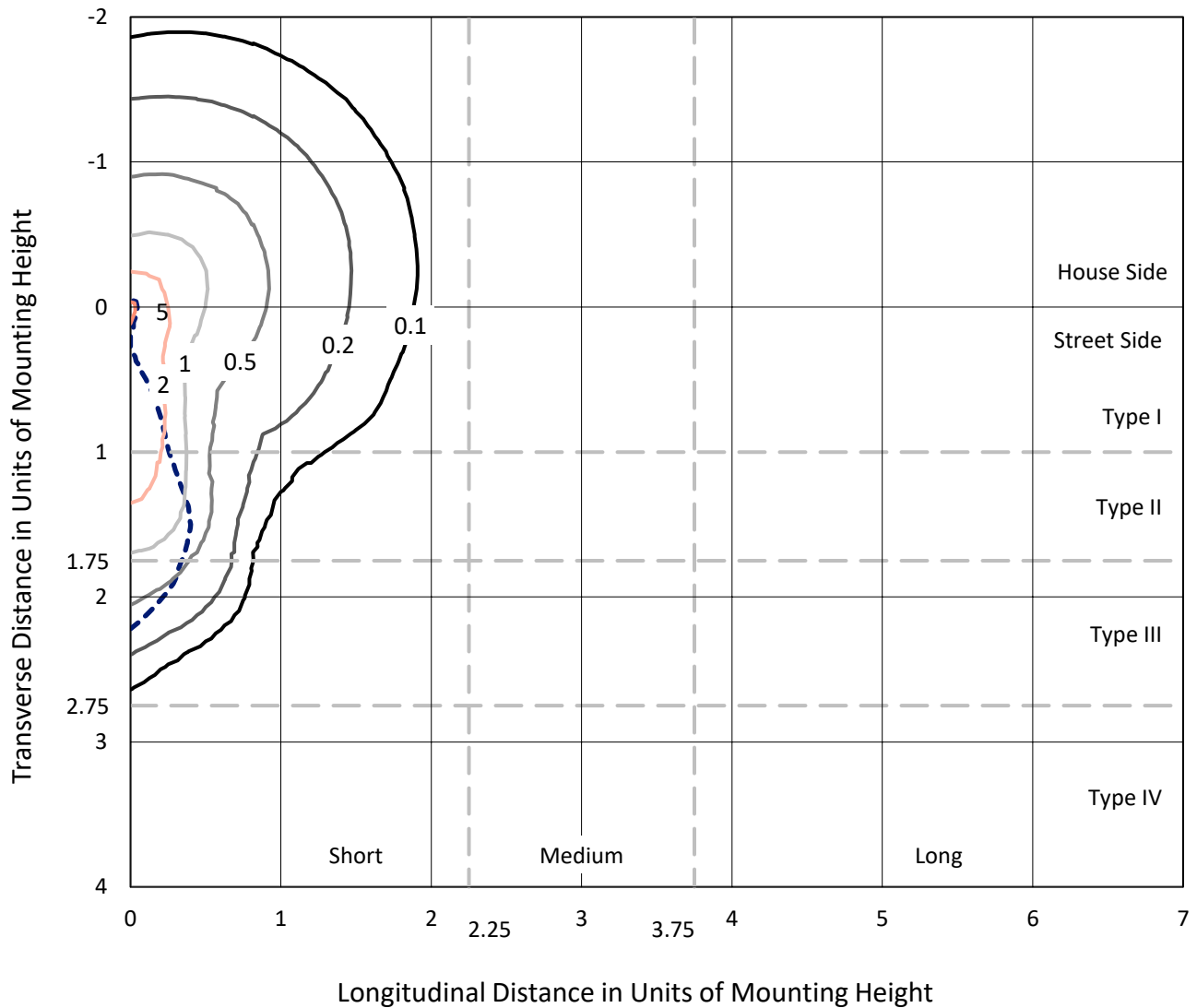
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

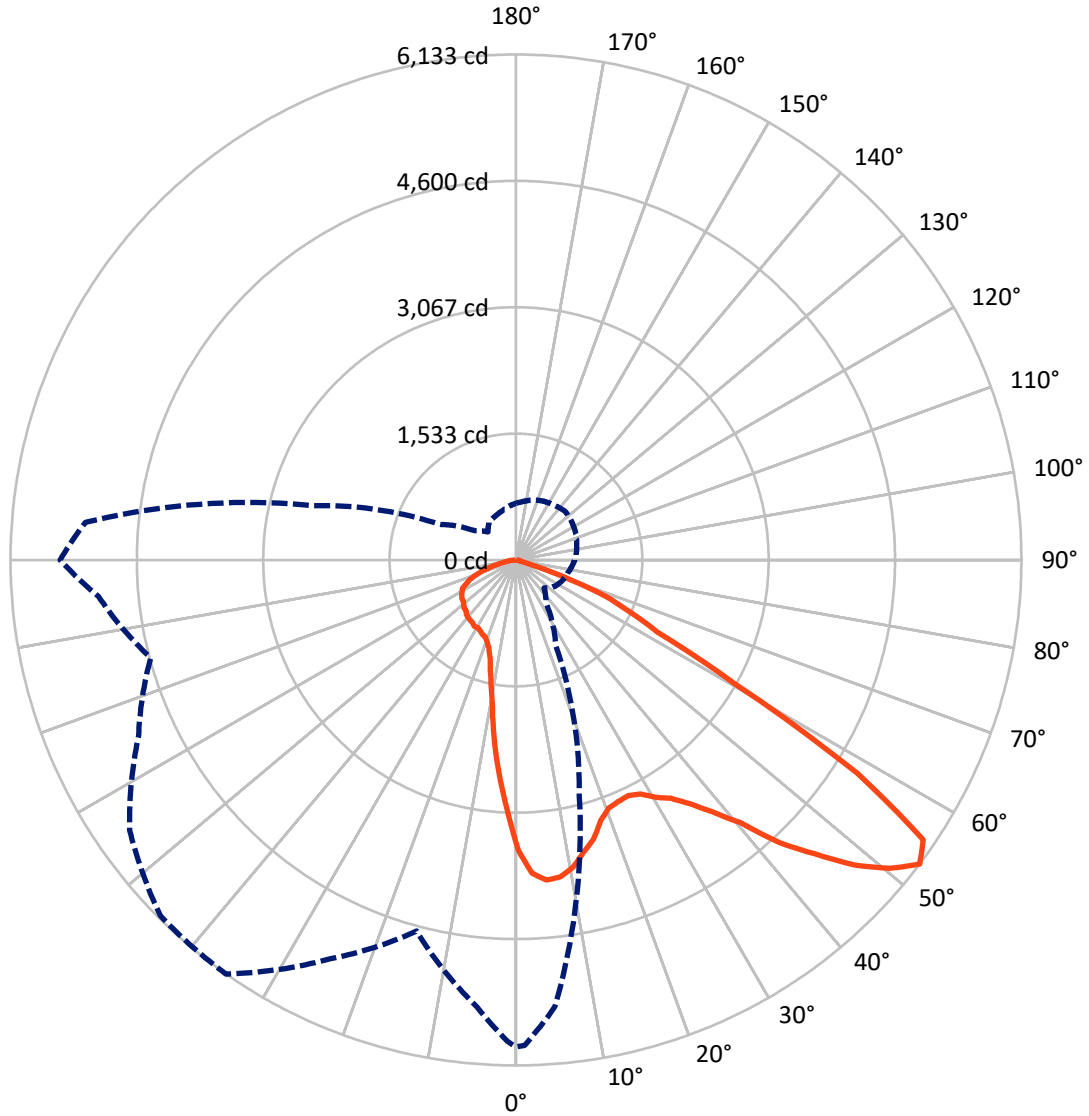
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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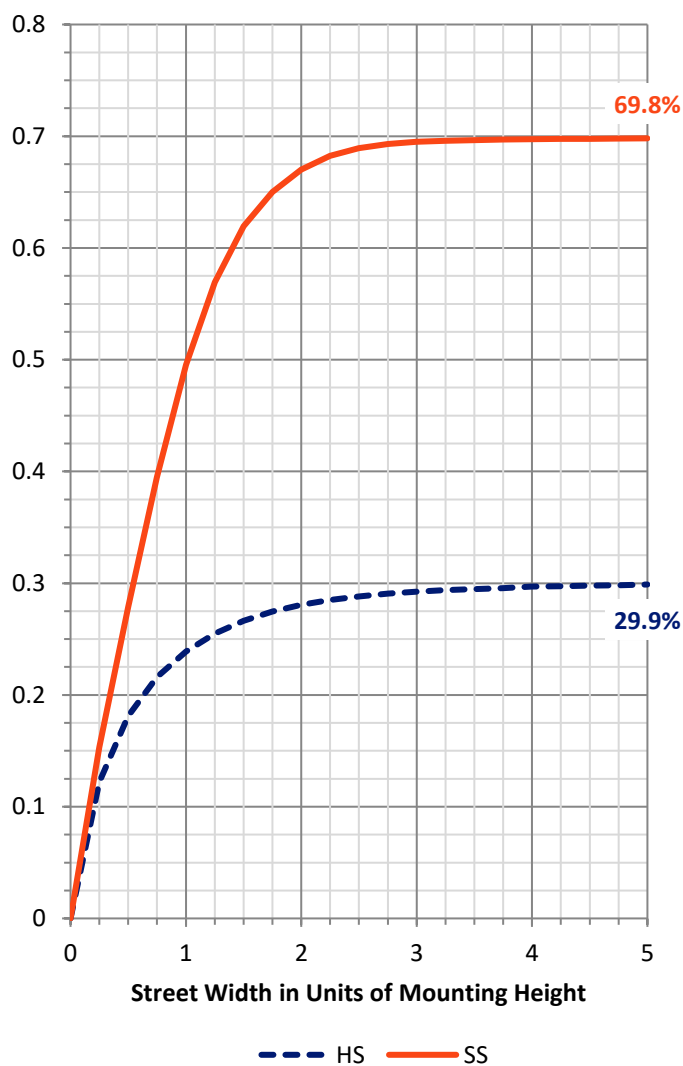
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2393.3	0.0	2393.3
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	5545.7	0.0	5545.7
	% Fixture	69.9	0.0	69.9
Total	Lumens	7939.0	0.0	7939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	3.4
10°-20°	582.7	7.3
20°-30°	880.5	11.1
30°-40°	1272.3	16.0
40°-50°	1693.2	21.3
50°-60°	1893.9	23.9
60°-70°	1067.4	13.4
70°-80°	237.9	3.0
80°-90°	42.4	0.5
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°	7939.0	100.0
0°-180°	7939.0	100.0

Coefficient of Utilization



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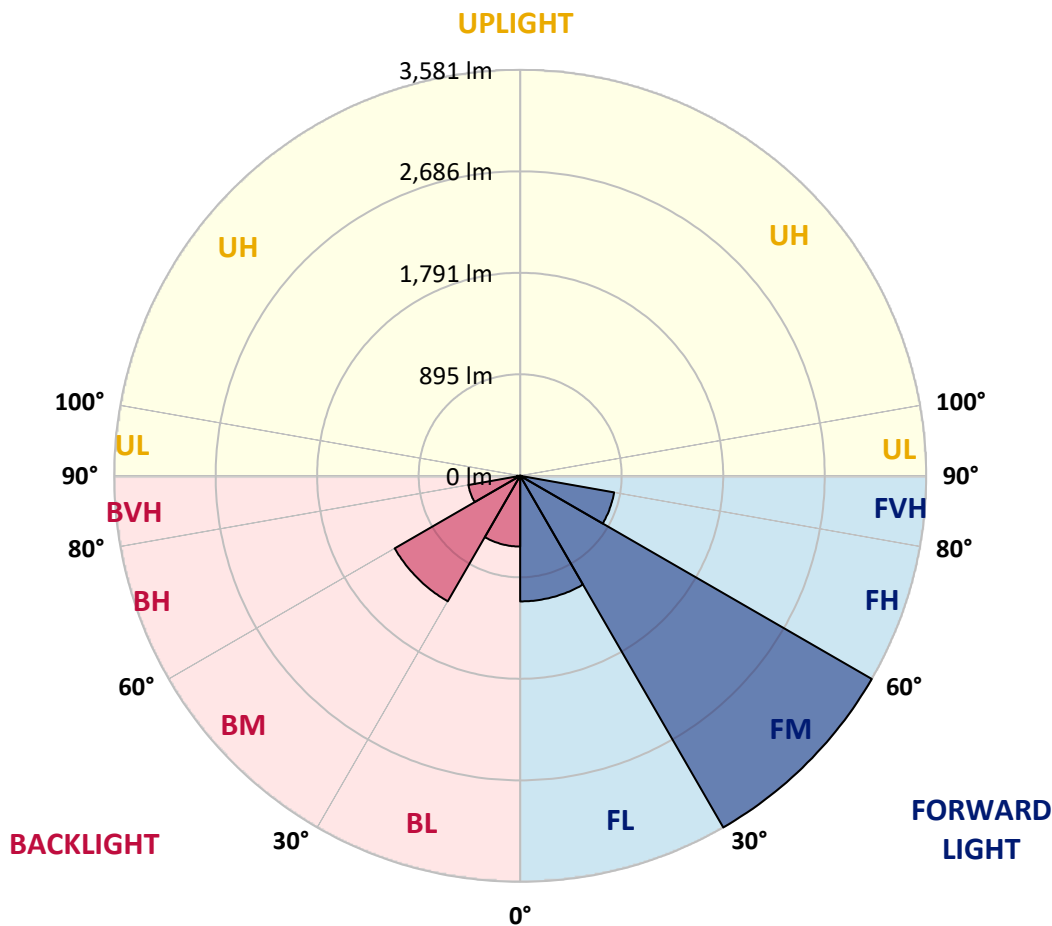
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.9	14.0			
FM (30°-60°)	3581.1	45.1			
FH (60°-80°)	841.4	10.6			G1/1800
FVH (80°-90°)	15.3	0.2			G1/100
BL (0°-30°)	624.1	7.9	B2/1000		
BM (30°-60°)	1278.3	16.1	B2/2500		
BH (60°-80°)	463.9	5.8	B1/500		G1/500
BVH (80°-90°)	27.0	0.3			G1/100
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°	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4
2.5°	3582.1	3639.6	3577.5	3467.0	3388.7	3317.4	3242.6	3227.7	3129.8	3112.6	3041.2
5°	3378.4	3365.7	3289.8	3144.8	2984.9	2839.9	2732.9	2629.3	2559.1	2477.4	2471.7
7.5°	3131.0	3057.4	3013.6	2793.8	2595.9	2368.1	2270.3	2112.6	2063.2	1989.5	1951.6
10°	2910.1	2856.0	2753.6	2533.8	2257.6	2106.9	2002.2	1917.0	1859.5	1783.6	1688.0
12.5°	2800.8	2778.9	2663.8	2323.2	2118.4	1957.3	1883.7	1800.8	1703.0	1581.0	1533.9
15°	2820.3	2746.7	2659.2	2282.9	1999.9	1844.5	1727.2	1623.6	1498.2	1382.0	1314.1
17.5°	2966.4	2910.1	2735.2	2308.3	1955.0	1730.6	1517.7	1364.7	1251.9	1147.2	1100.0
20°	3254.1	3172.4	2975.7	2340.5	1858.3	1571.8	1327.9	1139.2	1018.4	963.1	947.0
22.5°	3572.9	3524.5	3210.4	2413.0	1781.3	1424.5	1126.5	937.8	892.9	878.0	907.9
25°	3960.6	3835.2	3575.2	2531.5	1721.4	1299.1	956.2	851.5	828.5	843.4	878.0
27.5°	4255.2	4221.8	3830.6	2643.1	1639.7	1148.4	860.7	791.7	798.6	813.5	845.7
30°	4605.0	4435.9	4078.0	2720.2	1566.1	1044.8	794.0	775.6	782.5	807.8	823.9
32.5°	4815.6	4752.3	4233.3	2836.4	1480.9	955.1	742.2	724.9	735.3	773.3	811.2
35°	5083.7	4958.3	4425.5	2866.3	1421.1	919.4	705.4	692.7	716.9	743.3	785.9
37.5°	5396.7	5310.4	4691.3	2845.6	1388.9	882.6	674.3	668.5	685.8	722.6	772.1
40°	5581.9	5555.5	4830.5	2858.3	1338.2	850.4	638.6	645.5	681.2	710.0	758.3
42.5°	5760.3	5587.7	5036.5	2853.7	1306.0	806.6	642.1	634.0	661.6	695.0	741.0
45°	5799.4	5628.0	5084.8	2821.5	1266.9	764.1	615.6	619.1	652.4	693.9	723.8
47.5°	5774.1	5647.5	5174.6	2812.3	1230.1	734.1	576.5	617.9	637.5	670.8	713.4
50°	5756.8	5749.9	5250.5	2856.0	1180.6	687.0	529.3	603.0	622.5	655.9	701.9
52.5°	5908.7	5893.8	5440.4	2971.1	1141.5	636.3	481.0	565.0	612.2	644.4	689.3
55°	6000.8	5935.2	5766.0	3112.6	1075.9	569.6	447.6	517.8	586.8	615.6	661.6
57.5°	5397.8	5353.0	5216.0	2905.5	965.4	482.1	406.2	469.5	552.3	597.2	644.4
60°	4491.1	4420.9	4069.9	2469.4	712.3	375.1	380.9	431.5	543.1	560.4	615.6
62.5°	4234.5	4060.7	3583.2	1987.2	546.6	322.2	341.8	397.0	494.8	523.6	578.8
65°	3360.0	3231.1	2563.7	1434.9	365.9	279.6	311.8	357.9	426.9	483.3	533.9
67.5°	2103.4	1980.3	1368.2	678.9	255.5	239.3	278.5	326.8	383.2	433.8	490.2
70°	1098.9	964.3	631.7	245.1	176.1	195.6	232.4	278.5	333.7	375.1	418.8
72.5°	409.6	332.5	206.0	105.9	122.0	149.6	188.7	222.1	261.2	311.8	336.0
75°	63.3	54.1	52.9	64.4	82.8	108.2	134.6	168.0	202.5	234.7	250.8
77.5°	29.9	28.8	32.2	42.6	55.2	77.1	97.8	130.0	157.6	178.4	187.6
80°	19.6	18.4	20.7	28.8	41.4	57.5	78.2	100.1	125.4	142.7	140.4
82.5°	11.5	12.7	12.7	19.6	28.8	41.4	56.4	75.9	93.2	108.2	99.0
85°	6.9	5.8	5.8	11.5	19.6	33.4	47.2	32.2	33.4	33.4	38.0
87.5°	2.3	2.3	2.3	1.2	2.3	2.3	3.5	5.8	6.9	8.1	10.4
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°	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4
2.5°	3038.9	3074.6	3062.0	3017.1	3051.6	3057.4	3034.3	3113.7	3128.7	3104.5	3111.4
5°	2463.6	2472.8	2493.5	2537.2	2568.3	2605.1	2605.1	2607.4	2576.4	2654.6	2631.6
7.5°	1919.3	1925.1	1949.2	2042.5	2068.9	2139.1	2169.0	2148.3	2086.2	2059.7	2081.6
10°	1657.0	1623.6	1615.6	1627.1	1686.9	1716.8	1742.1	1735.2	1724.9	1704.2	1681.1
12.5°	1482.1	1457.9	1438.3	1410.7	1414.2	1443.0	1462.5	1446.4	1451.0	1455.6	1462.5
15°	1292.2	1275.0	1264.6	1223.2	1218.6	1238.1	1245.0	1254.2	1271.5	1272.7	1264.6
17.5°	1090.8	1075.9	1098.9	1121.9	1105.8	1107.0	1119.6	1127.7	1123.1	1102.3	1092.0
20°	952.8	968.9	991.9	1013.7	1031.0	1041.4	1046.0	1033.3	1018.4	975.8	974.6
22.5°	912.5	933.2	952.8	986.1	1002.2	1028.7	1004.5	975.8	955.1	934.4	910.2
25°	882.6	899.8	939.0	951.6	982.7	1004.5	987.3	958.5	922.8	892.9	874.5
27.5°	860.7	880.3	905.6	940.1	964.3	976.9	959.7	948.2	911.3	875.7	849.2
30°	846.9	867.6	913.6	942.4	963.1	973.5	943.6	929.7	903.3	873.4	850.4
32.5°	837.7	856.1	895.2	932.0	945.9	945.9	950.5	934.4	897.5	846.9	827.3
35°	807.8	833.1	865.3	907.9	933.2	948.2	925.1	906.7	882.6	830.8	795.1
37.5°	790.5	807.8	849.2	889.5	911.3	927.4	918.2	886.0	853.8	811.2	782.5
40°	772.1	799.7	836.5	874.5	898.7	914.8	907.9	869.9	830.8	790.5	771.0
42.5°	759.4	777.9	815.8	858.4	887.2	918.2	897.5	850.4	822.7	767.5	745.6
45°	749.1	779.0	819.3	836.5	866.5	898.7	861.9	833.1	800.9	760.6	742.2
47.5°	736.4	764.1	790.5	836.5	850.4	865.3	858.4	812.4	784.8	741.0	728.4
50°	731.8	742.2	790.5	815.8	835.4	850.4	831.9	797.4	771.0	726.1	698.5
52.5°	713.4	733.0	764.1	797.4	821.6	840.0	810.1	788.2	752.5	705.4	688.1
55°	690.4	701.9	757.1	791.7	804.3	817.0	805.5	769.8	733.0	684.7	667.4
57.5°	660.5	687.0	731.8	780.2	796.3	803.2	784.8	756.0	710.0	667.4	639.8
60°	629.4	657.0	706.5	745.6	761.7	787.1	759.4	742.2	689.3	642.1	612.2
62.5°	598.4	629.4	666.2	715.7	729.5	739.9	733.0	708.8	666.2	613.3	576.5
65°	561.5	584.5	630.6	655.9	665.1	689.3	665.1	655.9	617.9	567.3	536.2
67.5°	506.3	525.9	566.1	590.3	597.2	607.6	606.4	596.1	553.5	519.0	491.3
70°	443.0	460.3	485.6	514.4	517.8	530.5	519.0	516.7	489.0	441.9	426.9
72.5°	355.6	371.7	405.0	417.7	418.8	423.4	417.7	409.6	402.7	353.3	338.3
75°	272.7	281.9	298.0	309.5	309.5	315.3	311.8	303.8	285.4	254.3	239.3
77.5°	189.9	199.1	219.8	226.7	225.5	227.8	217.5	209.4	181.8	165.7	153.0
80°	138.1	143.8	154.2	158.8	159.9	163.4	150.7	143.8	127.7	109.3	103.6
82.5°	100.1	103.6	104.7	110.5	110.5	104.7	101.3	94.4	82.8	71.3	66.7
85°	41.4	42.6	43.7	50.6	51.8	62.1	57.5	54.1	47.2	40.3	36.8
87.5°	10.4	11.5	15.0	12.7	15.0	15.0	16.1	18.4	18.4	15.0	15.0
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°	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4
2.5°	3137.9	3147.1	3264.5	3279.4	3337.0	3395.7	3514.2	3599.3	3668.4	3713.2	3725.9
5°	2655.8	2714.5	2768.5	2856.0	2935.4	3048.1	3178.2	3339.3	3541.8	3645.3	3686.8
7.5°	2079.3	2148.3	2226.6	2311.7	2427.9	2630.5	2804.2	2990.6	3249.5	3356.5	3518.8
10°	1697.3	1774.3	1877.9	1943.5	2083.9	2277.2	2479.7	2694.9	2942.3	3096.5	3284.0
12.5°	1500.5	1563.8	1659.3	1797.4	1902.1	2027.5	2178.2	2449.8	2804.2	2950.3	3079.2
15°	1283.0	1353.2	1463.7	1616.7	1742.1	1891.7	2060.9	2356.6	2734.0	2959.5	3068.9
17.5°	1103.5	1154.1	1270.3	1402.7	1546.5	1709.9	1952.7	2352.0	2807.7	3096.5	3274.8
20°	979.2	986.1	1049.4	1162.2	1357.8	1570.7	1886.0	2329.0	3043.5	3332.4	3557.9
22.5°	901.0	894.1	895.2	990.7	1127.7	1433.7	1781.3	2407.2	3311.7	3707.5	3859.4
25°	861.9	843.4	831.9	852.7	976.9	1271.5	1701.9	2510.8	3600.5	4017.0	4203.4
27.5°	841.1	808.9	785.9	789.4	880.3	1189.8	1652.4	2555.7	3887.0	4448.5	4514.1
30°	833.1	792.8	759.4	747.9	807.8	1075.9	1546.5	2632.8	4143.6	4685.6	4741.9
32.5°	804.3	754.8	722.6	712.3	736.4	975.8	1470.6	2688.0	4370.3	4943.3	4923.8
35°	771.0	729.5	689.3	669.7	687.0	911.3	1409.6	2661.5	4637.2	5143.5	5133.2
37.5°	767.5	713.4	680.1	647.8	646.7	831.9	1326.7	2686.8	4807.5	5502.5	5361.0
40°	737.6	703.1	659.3	632.9	617.9	791.7	1246.2	2627.0	5057.2	5647.5	5508.3
42.5°	738.7	687.0	649.0	617.9	603.0	733.0	1191.0	2610.9	5144.7	5883.4	5577.3
45°	720.3	669.7	637.5	600.7	592.6	688.1	1138.0	2536.1	5298.9	5894.9	5491.0
47.5°	701.9	657.0	622.5	578.8	560.4	672.0	1096.6	2474.0	5218.3	5786.8	5371.4
50°	689.3	637.5	605.3	574.2	522.4	644.4	1042.5	2459.0	5105.6	5640.6	5149.3
52.5°	667.4	621.4	588.0	563.8	481.0	619.1	1021.8	2546.5	5243.6	5531.3	5084.8
55°	646.7	599.5	556.9	509.8	446.5	552.3	964.3	2628.1	5445.0	5783.3	5377.1
57.5°	624.8	579.9	533.9	477.5	413.1	483.3	904.4	2643.1	5067.6	5344.9	5104.4
60°	596.1	538.5	504.0	430.4	377.4	400.4	716.9	2330.1	3930.7	4463.5	4471.5
62.5°	563.8	501.7	471.8	385.5	340.6	345.2	584.5	1958.5	3188.5	3694.8	3914.6
65°	521.3	461.4	425.8	356.7	314.1	299.2	428.1	1434.9	2422.2	2997.5	3247.2
67.5°	466.0	409.6	364.8	310.7	280.8	256.6	292.3	807.8	1430.3	2012.5	2088.5
70°	407.3	359.0	311.8	267.0	233.6	216.3	214.0	357.9	683.5	1082.8	1232.4
72.5°	321.0	286.5	248.5	215.2	193.3	168.0	153.0	148.4	231.3	440.7	608.7
75°	230.1	201.4	179.5	157.6	141.5	127.7	116.2	105.9	96.7	110.5	151.9
77.5°	145.0	134.6	117.4	111.6	102.4	99.0	94.4	88.6	81.7	77.1	77.1
80°	97.8	90.9	85.2	84.0	80.5	79.4	80.5	74.8	67.9	62.1	64.4
82.5°	65.6	64.4	63.3	62.1	63.3	64.4	66.7	65.6	59.8	56.4	57.5
85°	39.1	41.4	43.7	46.0	50.6	44.9	36.8	31.1	27.6	25.3	24.2
87.5°	15.0	20.7	18.4	17.3	18.4	17.3	16.1	15.0	12.7	11.5	11.5
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-SA2B-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4	3523.4
2.5°	3809.9	3832.9	3852.5	3847.9	3807.6	3753.5	3731.6	3620.0	3597.0	3582.1
5°	3861.7	3995.2	4023.9	4006.7	3902.0	3769.6	3640.7	3477.3	3381.8	3378.4
7.5°	3766.2	3930.7	3982.5	4021.6	3882.4	3652.3	3431.3	3186.2	3126.4	3131.0
10°	3523.4	3785.7	3913.5	3953.7	3793.8	3594.7	3288.6	3040.1	2912.4	2910.1
12.5°	3388.7	3594.7	3630.4	3686.8	3639.6	3438.2	3205.8	2927.3	2803.1	2800.8
15°	3269.1	3404.9	3415.2	3494.6	3519.9	3384.1	3227.7	2930.8	2830.7	2820.3
17.5°	3373.8	3279.4	3240.3	3250.7	3325.5	3374.9	3354.2	3126.4	3024.0	2966.4
20°	3444.0	3233.4	3114.9	3126.4	3215.0	3395.7	3542.9	3409.5	3247.2	3254.1
22.5°	3631.5	3240.3	3055.1	3042.4	3182.8	3503.8	3755.8	3767.3	3610.8	3572.9
25°	3912.3	3319.7	3036.6	3033.2	3167.8	3620.0	4004.4	4190.8	4030.8	3960.6
27.5°	4137.8	3444.0	3094.2	3105.7	3215.0	3714.4	4216.1	4463.5	4341.5	4255.2
30°	4335.8	3572.9	3174.7	3121.8	3341.6	3763.9	4307.0	4774.2	4676.4	4605.0
32.5°	4417.5	3755.8	3302.4	3215.0	3446.3	3823.7	4495.7	5075.6	4991.6	4815.6
35°	4555.5	3858.2	3371.5	3364.6	3629.2	3967.5	4584.3	5274.7	5240.2	5083.7
37.5°	4666.0	3961.8	3616.6	3540.6	3880.1	4209.2	4727.0	5549.7	5470.3	5396.7
40°	4751.2	4147.0	3845.6	3945.7	4188.5	4429.0	4858.2	5567.0	5796.0	5581.9
42.5°	4672.9	4312.7	4221.8	4461.2	4691.3	4679.8	4873.1	5700.5	5871.9	5760.3
45°	4653.3	4593.5	4816.7	5034.2	5087.1	4888.1	4766.1	5553.2	5848.9	5799.4
47.5°	4606.2	4869.7	5258.6	5613.0	5532.5	5027.3	4638.4	5526.7	5862.7	5774.1
50°	4590.1	4929.5	5585.4	5930.6	5882.3	5148.1	4578.5	5356.4	5764.9	5756.8
52.5°	4588.9	5052.6	5721.2	6103.2	6133.1	5339.1	4660.2	5442.7	5840.8	5908.7
55°	4640.7	5013.5	5703.9	6007.7	5996.2	5254.0	4669.5	5500.2	5934.0	6000.8
57.5°	4377.2	4491.1	4707.4	4947.9	4885.8	4351.9	4170.1	5084.8	5446.2	5397.8
60°	3780.0	3423.3	3179.3	3167.8	3047.0	2880.1	3412.9	4538.3	4538.3	4491.1
62.5°	3310.5	2247.3	1930.8	1841.1	1927.4	2119.5	3292.1	4414.0	4288.6	4234.5
65°	2895.1	1715.7	1395.8	1370.5	1520.0	1810.0	2976.8	3760.4	3539.5	3360.0
67.5°	1862.9	1256.5	1037.9	993.0	1173.7	1329.0	1981.5	2312.9	2173.6	2103.4
70°	1201.3	818.1	577.6	542.0	612.2	819.3	1265.7	1348.6	1146.1	1098.9
72.5°	568.4	353.3	202.5	166.8	187.6	313.0	500.5	538.5	447.6	409.6
75°	180.7	130.0	82.8	71.3	67.9	80.5	115.1	88.6	64.4	63.3
77.5°	80.5	77.1	65.6	55.2	48.3	40.3	33.4	27.6	28.8	29.9
80°	66.7	61.0	54.1	48.3	40.3	31.1	24.2	18.4	18.4	19.6
82.5°	58.7	52.9	47.2	40.3	34.5	25.3	18.4	12.7	11.5	11.5
85°	25.3	29.9	32.2	34.5	27.6	20.7	12.7	8.1	6.9	6.9
87.5°	10.4	9.2	8.1	6.9	5.8	5.8	4.6	3.5	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)