

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: P532915

Luminaire Tested: **GALN-SA8B-740-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532915
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-SA8B-740-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 25402 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

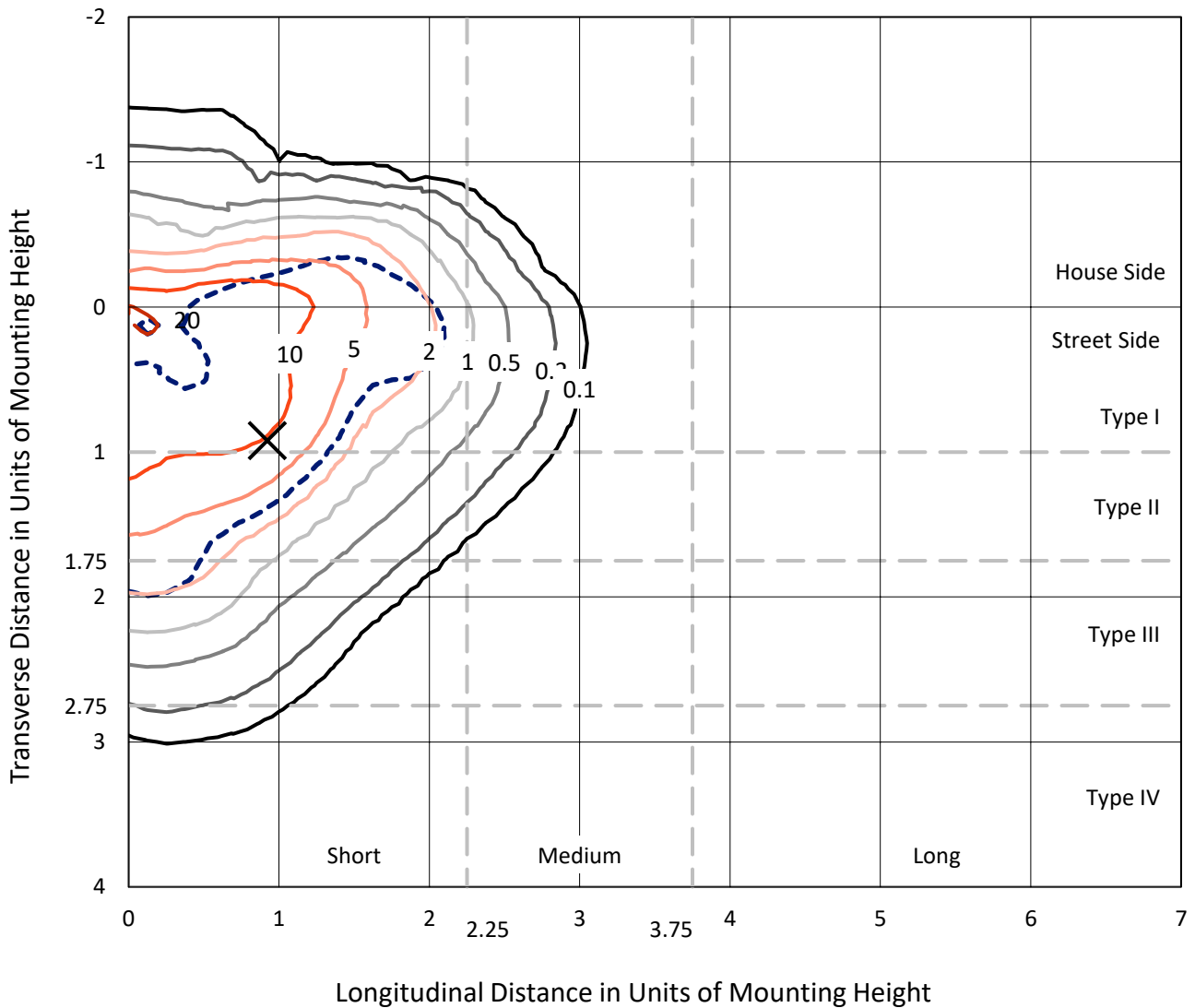
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

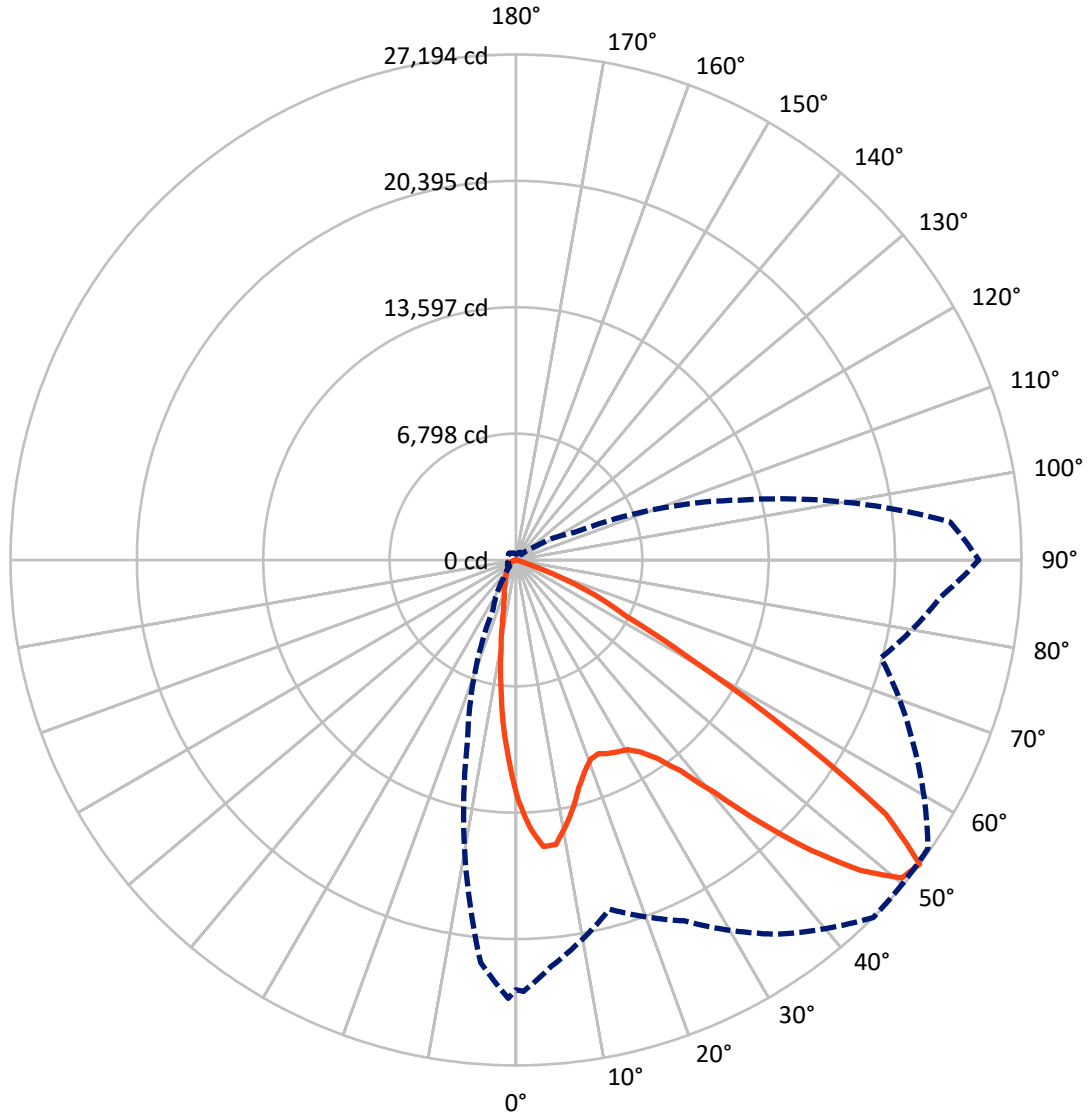
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.3 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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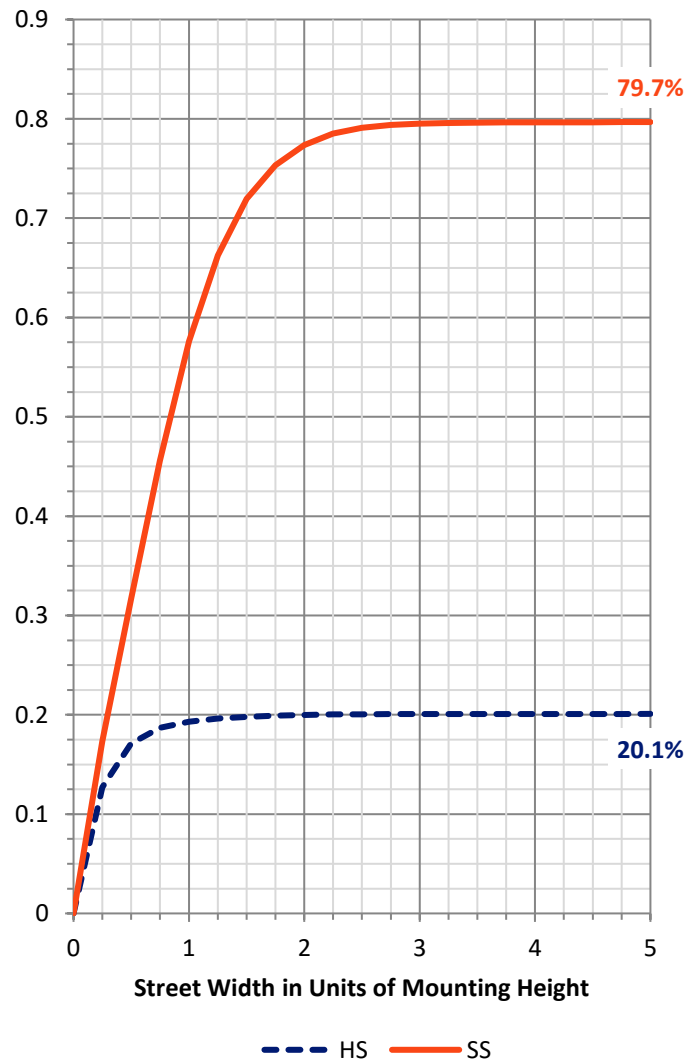
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5155.3	0.0	5155.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	20246.7	0.0	20246.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	25402.0	0.0	25402.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.3	3.7
10°-20°	1853.2	7.3
20°-30°	2820.3	11.1
30°-40°	4215.3	16.6
40°-50°	6003.0	23.6
50°-60°	6453.0	25.4
60°-70°	2859.5	11.3
70°-80°	231.4	0.9
80°-90°	27.0	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°	25402.0	100.0
0°-180°	25402.0	100.0

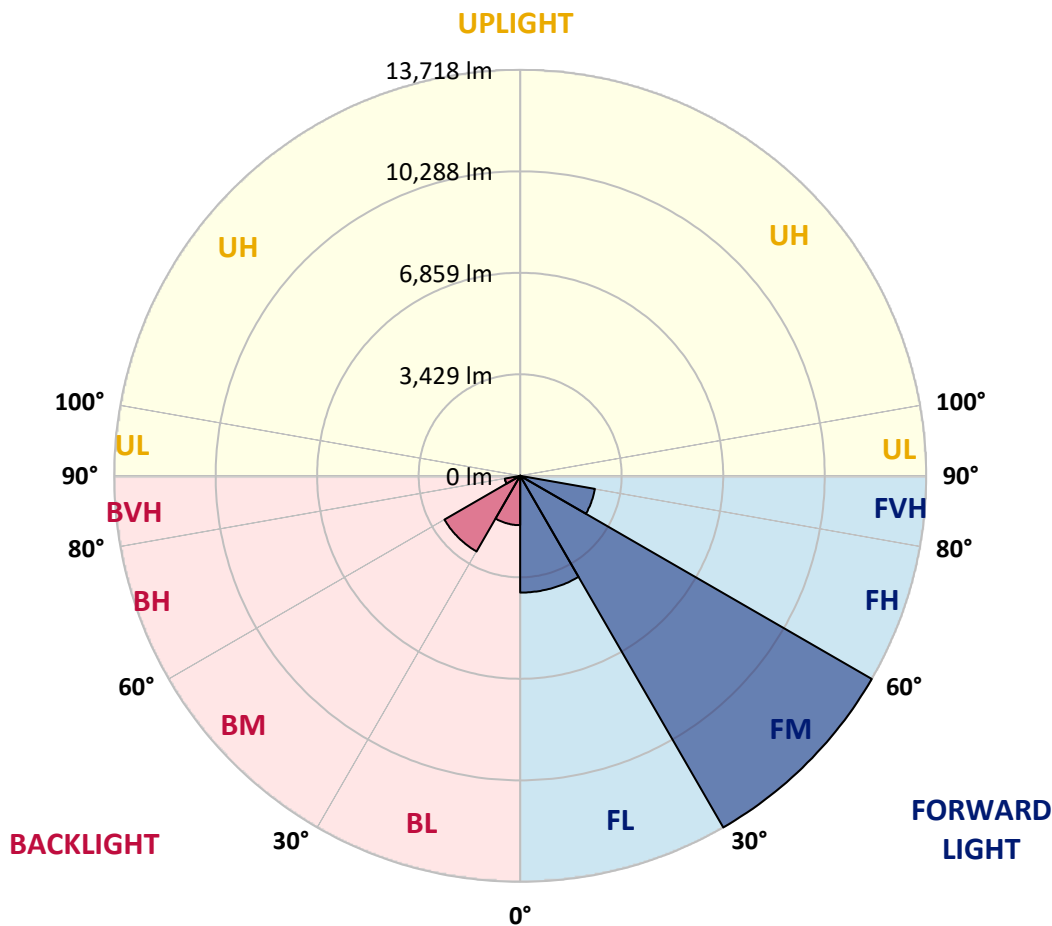


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3945.4	15.5			
FM (30°-60°)	13717.9	54.0			
FH (60°-80°)	2563.4	10.1			G2/5000
FVH (80°-90°)	20.0	0.1			G1/100
BL (0°-30°)	1667.4	6.6	B3/2500		
BM (30°-60°)	2953.4	11.6	B3/5000		
BH (60°-80°)	527.5	2.1	B2/1000		G2/1000
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0
2.5°	13629.4	13669.4	13889.2	14164.0	14308.9	14638.6	14408.8	14468.8	14343.9	13904.2	13559.5
5°	13214.7	13209.7	13489.5	14169.0	14813.5	15468.0	15488.0	15138.2	14523.7	13849.2	12885.0
7.5°	11965.7	12160.6	12450.3	13534.5	14728.6	15218.2	15453.0	15043.3	14099.0	13134.8	12090.6
10°	11021.4	11121.4	11611.0	12920.0	13794.3	14448.8	14593.7	14358.8	13634.4	12430.3	11261.3
12.5°	10476.9	10526.8	11101.4	12200.5	13124.8	13609.4	13679.4	13789.3	13269.7	12140.6	10736.7
15°	10481.9	10521.8	11296.2	12215.5	12580.2	12450.3	12680.1	12675.2	12900.0	12085.6	11176.3
17.5°	11236.3	11281.2	11980.7	12435.3	12275.5	11970.7	11955.7	12185.5	12660.2	12770.1	11840.8
20°	12535.3	12640.2	13154.8	13129.8	12230.5	11616.0	11446.1	11621.0	12725.1	13349.6	13179.8
22.5°	14283.9	14428.8	14788.5	14099.0	12435.3	11376.2	11321.2	11660.9	13154.8	14643.6	14698.6
25°	16312.3	16557.1	16732.0	15847.7	13164.8	11790.8	11531.0	12115.6	13734.3	16047.5	16632.1
27.5°	17656.3	17911.1	17871.1	16607.1	13654.4	11900.8	11680.9	12225.5	14238.9	16382.3	17641.3
30°	18705.5	18860.3	19140.1	17016.8	14144.0	12210.5	11835.8	12690.1	14403.8	16961.8	18860.3
32.5°	19929.5	20034.4	20054.4	17741.2	14898.4	12600.2	12315.4	13269.7	15133.2	17516.4	19939.5
35°	21163.6	21318.4	20993.7	18635.5	15363.1	13324.6	13114.8	14273.9	15717.8	18090.9	21128.6
37.5°	22502.5	22582.5	21833.0	19005.2	16027.5	14503.7	14388.8	15358.1	16732.0	19130.1	22447.6
40°	23626.6	23701.6	22727.3	19459.9	16727.0	16152.5	16447.2	17426.5	18110.9	19804.6	23107.1
42.5°	24251.2	24426.0	23027.1	19210.1	18130.9	18021.0	19330.0	19674.7	19709.7	19994.5	23696.6
45°	24421.0	24341.1	22532.5	19414.9	19360.0	21093.6	22282.7	22737.3	21298.5	20344.2	23846.5
47.5°	23636.6	23741.6	21803.1	19235.1	20973.7	23421.8	24960.6	25805.0	22482.5	20039.4	23476.8
50°	23002.1	22867.2	21568.2	19105.2	21408.4	24521.0	26894.1	27084.0	23571.7	20414.1	23072.1
52.5°	23127.0	23212.0	21943.0	19449.9	21418.4	24585.9	27193.9	27064.0	23606.7	20329.2	22927.2
55°	23391.8	23017.1	21783.1	18690.5	19984.5	22772.3	24136.3	23936.4	21788.1	19424.9	22572.5
57.5°	20184.3	20763.9	20029.4	16687.0	16402.3	17156.7	17131.7	17746.2	16252.4	16717.0	20549.0
60°	16382.3	16482.2	16757.0	14273.9	11351.2	11091.4	10731.7	10342.0	10936.5	14293.9	18690.5
62.5°	14408.8	14288.9	15268.1	12984.9	8013.8	6709.8	6649.8	6889.6	8438.4	13634.4	17531.4
65°	10471.9	10621.7	11331.2	10077.2	6015.3	5121.0	5031.1	5740.5	6829.7	10926.5	13379.6
67.5°	6395.0	6684.8	6749.8	6215.2	4081.8	3242.5	3112.6	3757.1	4931.2	7069.5	7843.9
70°	2952.7	3302.4	3632.2	3392.4	2363.2	1334.0	1259.0	1578.8	2488.1	4066.8	4161.8
72.5°	894.3	899.3	1259.0	1314.0	764.4	299.8	264.8	349.7	844.3	1344.0	1413.9
75°	64.9	69.9	169.9	194.8	144.9	74.9	79.9	94.9	179.9	299.8	224.8
77.5°	5.0	5.0	5.0	25.0	45.0	50.0	64.9	74.9	94.9	109.9	99.9
80°	5.0	0.0	5.0	20.0	35.0	50.0	60.0	69.9	74.9	84.9	74.9
82.5°	0.0	0.0	0.0	15.0	35.0	50.0	55.0	74.9	84.9	99.9	84.9
85°	0.0	0.0	0.0	15.0	35.0	55.0	50.0	25.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0
2.5°	13619.4	13424.6	12979.9	12755.1	12225.5	12150.6	11631.0	11546.0	11371.2	11276.2	11046.4
5°	12460.3	12225.5	11501.1	10891.5	10182.1	9687.5	9307.8	8963.0	8763.2	8578.3	8663.3
7.5°	11516.1	10831.6	10027.2	9008.0	8188.6	7659.1	7079.5	6604.9	6325.1	6135.2	6180.2
10°	10526.8	10082.2	8963.0	7818.9	6829.7	6455.0	6000.3	5635.6	5240.9	4901.2	4741.3
12.5°	10217.1	9557.6	8153.7	6989.6	6240.2	5875.4	5355.8	4936.2	4431.6	4016.9	3872.0
15°	10272.0	9637.5	7933.8	6689.8	5805.5	5176.0	4556.5	4036.9	3482.3	3192.5	3042.6
17.5°	11166.3	10067.2	8078.7	6375.0	5201.0	4326.6	3562.2	2902.7	2488.1	2188.3	2123.4
20°	12265.5	10996.5	8388.5	6145.2	4706.3	3442.3	2603.0	2033.4	1688.7	1638.7	1623.7
22.5°	13874.2	12515.3	9053.0	5990.3	4101.8	2682.9	1783.6	1478.9	1383.9	1373.9	1378.9
25°	16122.5	14418.8	9777.4	5860.4	3647.2	2068.4	1458.9	1254.0	1224.0	1209.1	1234.0
27.5°	17096.7	15567.9	10162.1	5580.7	3232.5	1863.6	1438.9	1244.0	1159.1	1134.1	1149.1
30°	18300.8	16332.3	10766.6	5101.0	2623.0	1533.8	1344.0	1353.9	1314.0	1189.1	1149.1
32.5°	19899.5	17286.6	11071.4	4761.3	2343.2	1269.0	984.2	904.3	1009.2	1029.2	1064.2
35°	20923.7	18255.8	11226.3	4561.5	2198.3	1084.2	834.4	759.4	734.4	739.4	759.4
37.5°	22827.3	19564.8	11421.1	4351.6	2088.4	944.3	754.4	684.5	649.5	649.5	669.5
40°	23966.4	20604.0	11685.9	4236.7	1978.5	859.3	684.5	624.5	594.5	594.5	604.5
42.5°	24251.2	21118.6	11596.0	4196.7	1853.6	839.3	624.5	579.5	544.6	539.6	534.6
45°	24760.8	21903.0	11611.0	4151.8	1723.7	764.4	589.5	539.6	489.6	484.6	479.6
47.5°	25320.3	22467.5	11641.0	3976.9	1598.8	639.5	614.5	499.6	439.7	429.7	429.7
50°	24840.7	22917.2	11900.8	3802.0	1438.9	519.6	604.5	469.6	389.7	374.7	379.7
52.5°	24900.7	23446.8	12450.3	3557.2	1239.0	414.7	489.6	444.7	354.7	329.7	334.7
55°	23941.4	22887.2	12525.3	3297.4	969.2	319.8	374.7	389.7	299.8	289.8	289.8
57.5°	20609.0	19379.9	11051.4	2672.9	639.5	264.8	269.8	339.7	259.8	249.8	254.8
60°	17636.3	15557.9	8893.1	1763.6	399.7	209.8	194.8	344.7	229.8	224.8	239.8
62.5°	16077.5	12785.1	6744.8	1094.2	274.8	159.9	134.9	279.8	199.8	199.8	219.8
65°	11616.0	8588.3	3922.0	574.6	194.8	124.9	99.9	159.9	164.9	169.9	179.9
67.5°	7194.4	4336.6	1653.7	279.8	129.9	84.9	64.9	99.9	109.9	109.9	119.9
70°	3552.2	1728.7	549.6	159.9	99.9	69.9	45.0	55.0	55.0	50.0	55.0
72.5°	1099.1	519.6	139.9	99.9	69.9	45.0	25.0	20.0	10.0	0.0	5.0
75°	124.9	99.9	89.9	69.9	45.0	20.0	5.0	0.0	0.0	0.0	0.0
77.5°	74.9	84.9	84.9	69.9	45.0	15.0	0.0	0.0	0.0	0.0	0.0
80°	60.0	64.9	69.9	64.9	40.0	20.0	0.0	0.0	0.0	0.0	0.0
82.5°	74.9	84.9	94.9	84.9	55.0	25.0	10.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	15.0	5.0	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°	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0
2.5°	10951.5	10841.6	10996.5	10766.6	10761.6	10766.6	10701.7	10641.7	10736.7	10991.5	11016.4
5°	8358.5	8593.3	8668.3	8913.1	8778.2	8578.3	8618.3	8483.4	8813.2	8958.0	8843.1
7.5°	6085.3	6070.3	6574.9	6604.9	6669.8	6674.8	6664.8	6400.0	6130.2	6190.2	6370.1
10°	4721.3	4466.5	4711.3	4686.4	4846.2	4801.3	4866.2	4581.4	4676.4	4676.4	4791.3
12.5°	3847.0	3577.2	3532.3	3467.3	3532.3	3557.2	3582.2	3527.3	3687.1	3762.1	3842.0
15°	2937.7	2787.8	2747.9	2623.0	2642.9	2712.9	2772.8	2797.8	2747.9	2862.8	2872.8
17.5°	2133.3	2128.3	2153.3	2148.3	2128.3	2113.4	2108.4	2043.4	2023.4	2033.4	2073.4
20°	1618.7	1658.7	1743.6	1828.6	1873.5	1818.6	1743.6	1633.7	1588.8	1598.8	1603.8
22.5°	1383.9	1443.9	1558.8	1653.7	1698.7	1598.8	1463.9	1368.9	1349.0	1344.0	1339.0
25°	1254.0	1324.0	1408.9	1438.9	1433.9	1373.9	1274.0	1234.0	1224.0	1214.1	1169.1
27.5°	1184.1	1209.1	1224.0	1259.0	1274.0	1234.0	1209.1	1149.1	1139.1	1139.1	1109.1
30°	1144.1	1129.1	1149.1	1124.1	1144.1	1114.1	1119.1	1119.1	1094.2	1104.1	1104.1
32.5°	1064.2	1069.2	1069.2	1019.2	1034.2	999.2	1034.2	1064.2	1069.2	1074.2	1114.1
35°	779.4	869.3	914.3	914.3	929.3	904.3	899.3	864.3	819.4	774.4	754.4
37.5°	684.5	719.4	779.4	814.4	839.3	819.4	774.4	719.4	694.5	674.5	654.5
40°	609.5	639.5	679.5	719.4	769.4	744.4	674.5	649.5	619.5	619.5	599.5
42.5°	549.6	564.6	589.5	649.5	704.5	654.5	604.5	584.5	569.6	564.6	559.6
45°	494.6	499.6	524.6	574.6	639.5	589.5	539.6	514.6	519.6	524.6	519.6
47.5°	444.7	454.6	469.6	529.6	569.6	544.6	489.6	474.6	474.6	474.6	479.6
50°	384.7	409.7	439.7	489.6	519.6	504.6	459.6	439.7	429.7	429.7	434.7
52.5°	344.7	364.7	404.7	464.6	504.6	479.6	434.7	404.7	384.7	379.7	389.7
55°	299.8	334.7	399.7	444.7	499.6	474.6	424.7	389.7	354.7	349.7	349.7
57.5°	269.8	324.7	384.7	439.7	484.6	464.6	424.7	379.7	334.7	329.7	329.7
60°	254.8	314.8	374.7	424.7	484.6	454.6	419.7	369.7	319.8	319.8	314.8
62.5°	239.8	294.8	354.7	404.7	464.6	439.7	404.7	354.7	304.8	304.8	294.8
65°	199.8	254.8	294.8	339.7	404.7	379.7	344.7	309.8	269.8	259.8	264.8
67.5°	139.9	174.9	214.8	259.8	299.8	289.8	274.8	249.8	214.8	209.8	204.8
70°	69.9	94.9	129.9	174.9	209.8	199.8	189.9	169.9	149.9	144.9	144.9
72.5°	10.0	30.0	55.0	79.9	109.9	114.9	109.9	104.9	99.9	94.9	99.9
75°	0.0	0.0	0.0	20.0	45.0	55.0	64.9	74.9	74.9	64.9	79.9
77.5°	0.0	0.0	0.0	0.0	5.0	25.0	50.0	64.9	79.9	69.9	94.9
80°	0.0	0.0	0.0	0.0	5.0	30.0	50.0	69.9	79.9	69.9	99.9
82.5°	0.0	0.0	0.0	0.0	5.0	35.0	50.0	64.9	74.9	69.9	89.9
85°	0.0	0.0	0.0	0.0	15.0	30.0	20.0	10.0	5.0	5.0	15.0
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



REPORT NUMBER: P532915

CATALOG NUMBER: GALN-SA8B-740-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0	12880.0
2.5°	11156.3	11511.1	11890.8	12035.7	12485.3	12825.0	13054.9	13549.5	13624.4	13629.4
5°	8963.0	9142.9	9792.4	10097.2	10766.6	11286.2	11840.8	12640.2	13174.8	13214.7
7.5°	6370.1	6869.7	7144.5	7938.8	8763.2	9577.6	10401.9	11331.2	11950.7	11965.7
10°	5126.0	5450.8	5940.4	6534.9	7229.4	8058.7	9157.9	10237.0	10866.6	11021.4
12.5°	4126.8	4696.4	5255.9	5870.4	6400.0	7024.5	8208.6	9647.5	10167.1	10476.9
15°	3177.5	3697.1	4356.6	5076.1	5675.6	6509.9	7858.9	9502.6	10376.9	10481.9
17.5°	2343.2	2807.8	3417.3	4096.8	4996.1	6180.2	7918.8	10237.0	11061.4	11236.3
20°	1683.7	1953.5	2433.1	3222.5	4366.6	5795.5	7978.8	10981.5	12235.5	12535.3
22.5°	1334.0	1443.9	1758.6	2458.1	3662.2	5390.8	8403.5	12405.4	13849.2	14283.9
25°	1159.1	1219.1	1368.9	1938.5	3217.5	5350.8	9082.9	14114.0	15997.6	16312.3
27.5°	1119.1	1129.1	1259.0	1778.6	2977.7	5086.0	9342.7	15328.1	17336.5	17656.3
30°	1179.1	1339.0	1349.0	1503.8	2533.0	4561.5	9477.6	16502.2	18470.7	18705.5
32.5°	1019.2	969.2	1004.2	1164.1	2228.3	4256.7	9732.4	17526.4	19764.6	19929.5
35°	709.4	744.4	824.4	1009.2	1948.5	3936.9	9797.4	18655.5	20993.7	21163.6
37.5°	654.5	674.5	739.4	859.3	1713.7	3757.1	9707.5	19479.9	22267.7	22502.5
40°	609.5	634.5	669.5	779.4	1538.8	3557.2	9582.6	20224.3	23047.1	23626.6
42.5°	574.6	594.5	624.5	744.4	1388.9	3357.4	9407.7	21273.5	23746.6	24251.2
45°	534.6	564.6	599.5	724.4	1304.0	3222.5	9277.8	21208.5	24151.2	24421.0
47.5°	494.6	544.6	584.5	674.5	1279.0	3157.5	9332.8	20963.7	23821.5	23636.6
50°	454.6	519.6	589.5	559.6	1219.1	3027.6	9397.7	21298.5	23037.1	23002.1
52.5°	419.7	494.6	549.6	459.6	1084.2	2902.7	10027.2	21738.1	23591.7	23127.0
55°	369.7	444.7	439.7	369.7	879.3	2807.8	10521.8	21748.1	23217.0	23391.8
57.5°	334.7	394.7	344.7	309.8	649.5	2348.2	9717.5	18235.8	19874.6	20184.3
60°	309.8	384.7	259.8	244.8	424.7	1693.7	8483.4	14124.0	15797.7	16382.3
62.5°	284.8	364.7	204.8	199.8	294.8	1204.1	6974.6	11820.8	13614.4	14408.8
65°	249.8	259.8	164.9	154.9	209.8	649.5	4246.7	8138.7	10177.1	10471.9
67.5°	204.8	199.8	134.9	124.9	139.9	314.8	1873.5	4076.8	5900.4	6395.0
70°	164.9	164.9	114.9	99.9	99.9	144.9	489.6	1623.7	2667.9	2952.7
72.5°	119.9	124.9	89.9	79.9	74.9	69.9	79.9	324.7	699.5	894.3
75°	104.9	109.9	89.9	69.9	55.0	45.0	35.0	30.0	40.0	64.9
77.5°	114.9	114.9	94.9	64.9	50.0	35.0	20.0	10.0	10.0	5.0
80°	144.9	149.9	124.9	84.9	60.0	40.0	25.0	10.0	5.0	5.0
82.5°	154.9	169.9	139.9	104.9	74.9	45.0	25.0	5.0	0.0	0.0
85°	40.0	64.9	109.9	94.9	74.9	45.0	25.0	5.0	0.0	0.0
87.5°	0.0	5.0	15.0	15.0	20.0	20.0	15.0	5.0	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)