

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: P532213

Luminaire Tested: **GALN-SA7C-740-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532213  
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-SA7C-740-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 4000K, 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: 27071 lumens  
Efficiency: N/A  
Efficacy: 71.8 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

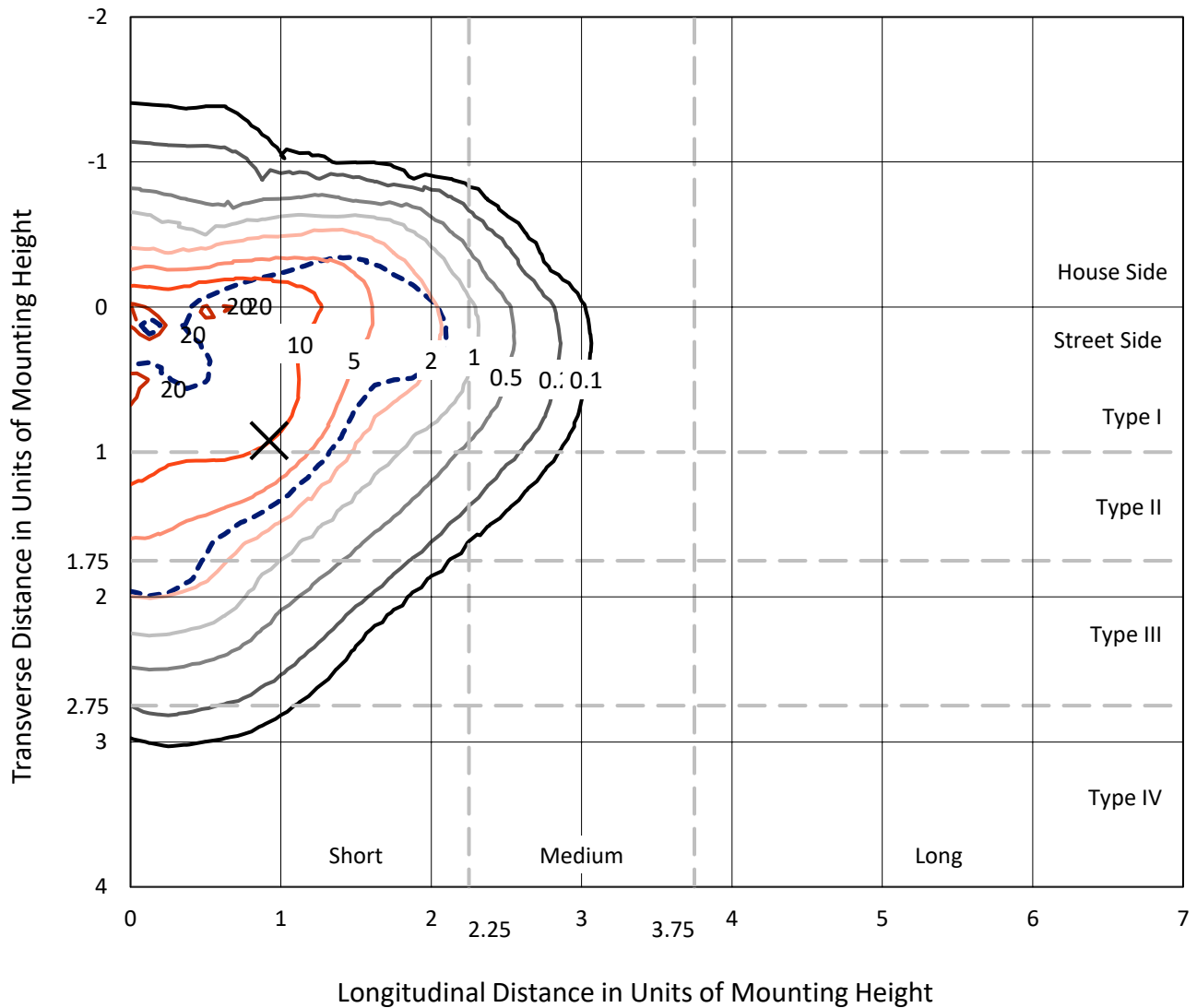
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

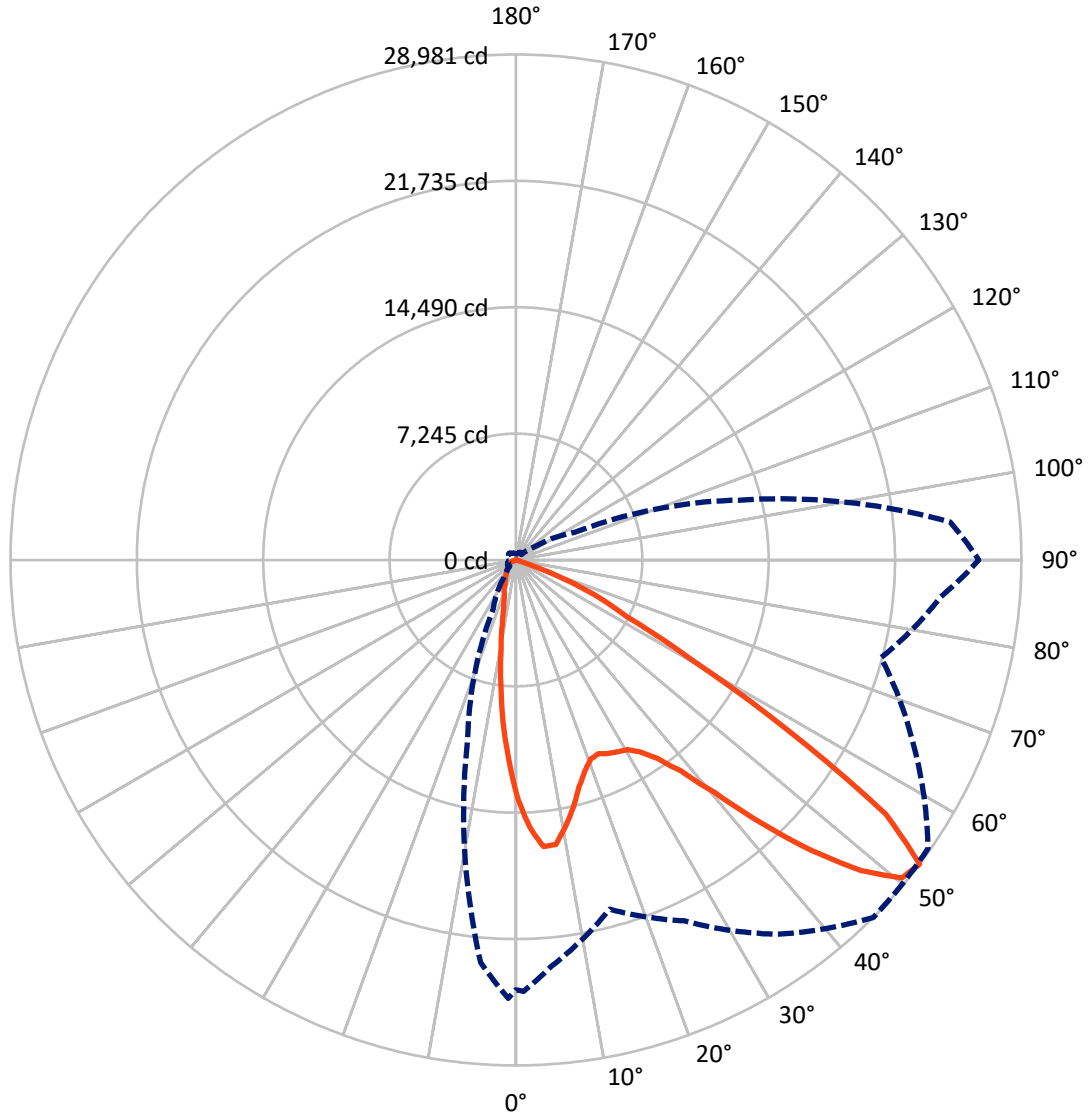
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.7 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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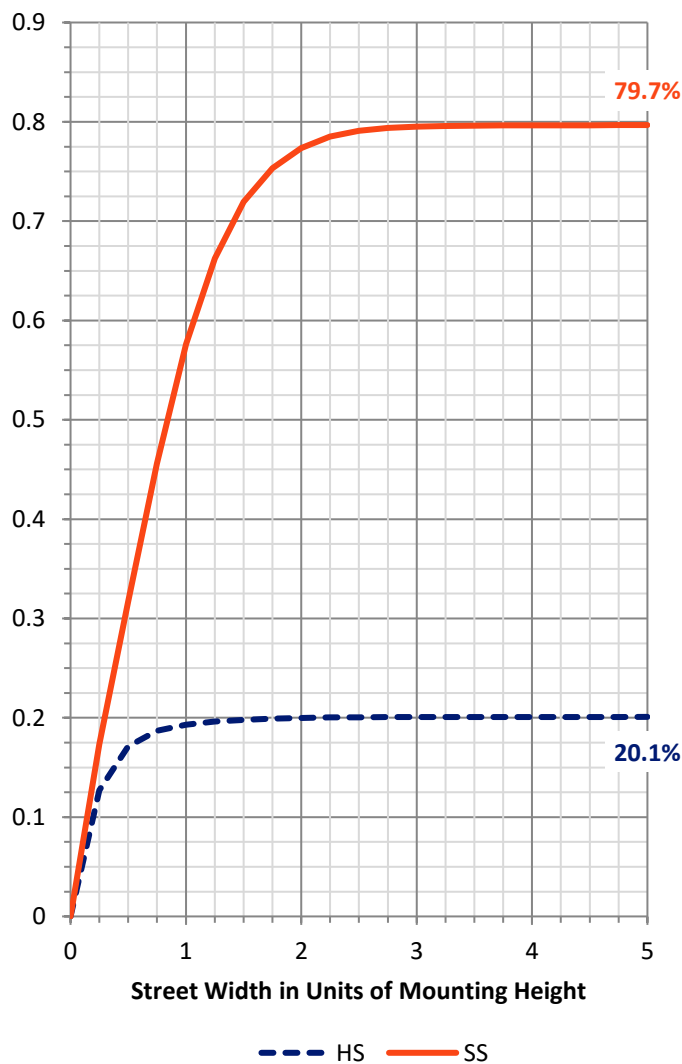
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5494.1	0.0	5494.1
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	21576.9	0.0	21576.9
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	27071.0	0.0	27071.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1001.0	3.7
10°-20°	1975.0	7.3
20°-30°	3005.6	11.1
30°-40°	4492.3	16.6
40°-50°	6397.4	23.6
50°-60°	6877.0	25.4
60°-70°	3047.4	11.3
70°-80°	246.6	0.9
80°-90°	28.7	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°	27071.0	100.0
0°-180°	27071.0	100.0

**Coefficient of Utilization**

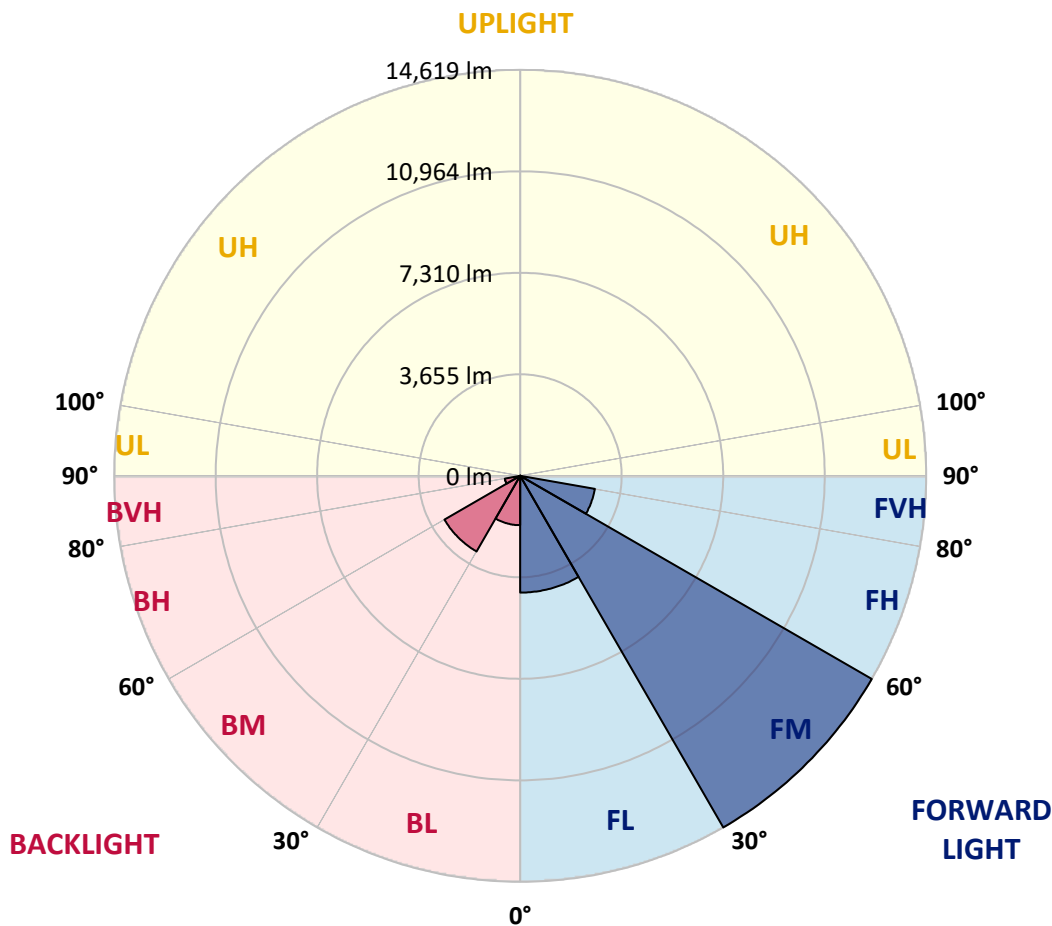


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4204.7	15.5			
FM (30°-60°)	14619.2	54.0			
FH (60°-80°)	2731.8	10.1			G2/5000
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	1777.0	6.6	B3/2500		
BM (30°-60°)	3147.5	11.6	B3/5000		
BH (60°-80°)	562.1	2.1	B2/1000		G2/1000
BVH (80°-90°)	7.4	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°	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3
2.5°	14524.9	14567.5	14801.8	15094.6	15249.0	15600.4	15355.5	15419.4	15286.3	14817.8	14450.4
5°	14083.0	14077.7	14375.8	15099.9	15786.8	16484.3	16505.6	16132.9	15478.0	14759.2	13731.6
7.5°	12751.9	12959.5	13268.4	14423.7	15696.3	16218.1	16468.3	16031.7	15025.4	13997.8	12885.0
10°	11745.6	11852.1	12373.9	13768.9	14700.6	15398.1	15552.5	15302.3	14530.2	13247.1	12001.2
12.5°	11165.2	11218.5	11830.8	13002.1	13987.2	14503.6	14578.2	14695.3	14141.6	12938.2	11442.1
15°	11170.6	11213.1	12038.4	13018.1	13406.8	13268.4	13513.3	13508.0	13747.6	12879.7	11910.6
17.5°	11974.5	12022.5	12767.9	13252.4	13082.0	12757.2	12741.2	12986.2	13492.0	13609.1	12618.8
20°	13358.9	13470.7	14019.1	13992.5	13034.1	12379.2	12198.2	12384.5	13561.2	14226.7	14045.7
22.5°	15222.4	15376.8	15760.2	15025.4	13252.4	12123.6	12065.0	12427.1	14019.1	15605.8	15664.3
25°	17384.1	17645.0	17831.4	16888.9	14029.7	12565.5	12288.7	12911.6	14636.7	17101.9	17724.9
27.5°	18816.4	19087.9	19045.3	17698.2	14551.5	12682.7	12448.4	13028.8	15174.5	17458.6	18800.4
30°	19934.5	20099.5	20397.7	18134.8	15073.3	13012.8	12613.5	13523.9	15350.2	18076.3	20099.5
32.5°	21239.0	21350.8	21372.1	18906.9	15877.3	13428.1	13124.6	14141.6	16127.6	18667.3	21249.6
35°	22554.1	22719.1	22373.1	19859.9	16372.5	14200.1	13976.5	15211.8	16750.5	19279.6	22516.8
37.5°	23981.0	24066.2	23267.5	20253.9	17080.6	15456.7	15334.2	16367.1	17831.4	20387.1	23922.4
40°	25179.0	25258.9	24220.6	20738.5	17826.0	17213.7	17527.9	18571.4	19300.9	21105.8	24625.3
42.5°	25844.5	26030.9	24540.1	20472.2	19322.2	19205.0	20600.0	20967.4	21004.7	21308.2	25253.5
45°	26025.6	25940.4	24013.0	20690.5	20632.0	22479.5	23746.7	24231.3	22697.8	21680.9	25413.3
47.5°	25189.6	25301.5	23235.6	20498.9	22351.8	24960.7	26600.6	27500.4	23959.7	21356.1	25019.3
50°	24513.5	24369.7	22985.4	20360.4	22815.0	26132.1	28661.1	28863.5	25120.4	21755.4	24588.0
52.5°	24646.6	24737.1	23384.7	20727.8	22825.6	26201.3	28980.6	28842.2	25157.7	21664.9	24433.6
55°	24928.8	24529.4	23214.3	19918.5	21297.5	24268.5	25722.1	25509.1	23219.6	20701.2	24055.6
57.5°	21510.5	22128.1	21345.4	17783.4	17479.9	18283.9	18257.3	18912.2	17320.2	17815.4	21899.2
60°	17458.6	17565.1	17858.0	15211.8	12097.0	11820.1	11436.8	11021.5	11655.1	15233.1	19918.5
62.5°	15355.5	15227.7	16271.3	13838.1	8540.3	7150.6	7086.8	7342.3	8992.9	14530.2	18683.3
65°	11159.9	11319.6	12075.7	10739.3	6410.6	5457.5	5361.7	6117.7	7278.4	11644.4	14258.7
67.5°	6815.2	7124.0	7193.2	6623.5	4350.0	3455.5	3317.1	4003.9	5255.2	7534.0	8359.3
70°	3146.7	3519.4	3870.8	3615.3	2518.4	1421.6	1341.7	1682.5	2651.5	4334.0	4435.2
72.5°	953.1	958.4	1341.7	1400.3	814.6	319.5	282.2	372.7	899.8	1432.3	1506.8
75°	69.2	74.5	181.0	207.7	154.4	79.9	85.2	101.2	191.7	319.5	239.6
77.5°	5.3	5.3	5.3	26.6	47.9	53.2	69.2	79.9	101.2	117.1	106.5
80°	5.3	0.0	5.3	21.3	37.3	53.2	63.9	74.5	79.9	90.5	79.9
82.5°	0.0	0.0	0.0	16.0	37.3	53.2	58.6	79.9	90.5	106.5	90.5
85°	0.0	0.0	0.0	16.0	37.3	58.6	53.2	26.6	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°	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3
2.5°	14514.3	14306.6	13832.7	13593.1	13028.8	12948.9	12395.2	12304.6	12118.3	12017.1	11772.2
5°	13279.0	13028.8	12256.7	11607.2	10851.1	10324.0	9919.3	9551.9	9339.0	9142.0	9232.5
7.5°	12272.7	11543.3	10686.0	9599.9	8726.7	8162.3	7544.6	7038.8	6740.7	6538.3	6586.3
10°	11218.5	10744.6	9551.9	8332.7	7278.4	6879.1	6394.6	6005.9	5585.3	5223.2	5052.8
12.5°	10888.4	10185.5	8689.4	7448.8	6650.2	6261.5	5707.7	5260.5	4722.7	4280.8	4126.4
15°	10946.9	10270.7	8455.1	7129.3	6186.9	5516.1	4855.8	4302.1	3711.1	3402.3	3242.5
17.5°	11900.0	10728.6	8609.5	6793.9	5542.7	4610.9	3796.3	3093.5	2651.5	2332.1	2262.9
20°	13071.4	11719.0	8939.6	6549.0	5015.6	3668.5	2774.0	2167.0	1799.6	1746.4	1730.4
22.5°	14785.8	13337.6	9647.8	6383.9	4371.3	2859.2	1900.8	1576.0	1474.9	1464.2	1469.5
25°	17181.8	15366.2	10419.8	6245.5	3886.8	2204.3	1554.7	1336.4	1304.5	1288.5	1315.1
27.5°	18220.0	16590.8	10829.8	5947.3	3444.9	1986.0	1533.4	1325.8	1235.3	1208.6	1224.6
30°	19503.2	17405.4	11474.0	5436.2	2795.3	1634.6	1432.3	1442.9	1400.3	1267.2	1224.6
32.5°	21207.0	18422.4	11798.8	5074.1	2497.1	1352.4	1048.9	963.7	1075.5	1096.8	1134.1
35°	22298.5	19455.3	11963.9	4861.2	2342.7	1155.4	889.2	809.3	782.7	788.0	809.3
37.5°	24327.1	20850.3	12171.5	4637.5	2225.6	1006.3	804.0	729.4	692.2	692.2	713.5
40°	25541.1	21957.7	12453.7	4515.1	2108.5	915.8	729.4	665.5	633.6	633.6	644.3
42.5°	25844.5	22506.2	12357.9	4472.5	1975.3	894.5	665.5	617.6	580.4	575.0	569.7
45°	26387.6	23342.1	12373.9	4424.6	1836.9	814.6	628.3	575.0	521.8	516.5	511.1
47.5°	26984.0	23943.7	12405.8	4238.2	1703.8	681.5	654.9	532.4	468.5	457.9	457.9
50°	26472.8	24422.9	12682.7	4051.9	1533.4	553.7	644.3	500.5	415.3	399.3	404.7
52.5°	26536.7	24987.3	13268.4	3791.0	1320.4	441.9	521.8	473.9	378.0	351.4	356.7
55°	25514.4	24391.0	13348.2	3514.1	1032.9	340.8	399.3	415.3	319.5	308.8	308.8
57.5°	21963.1	20653.3	11777.5	2848.5	681.5	282.2	287.5	362.1	276.9	266.2	271.5
60°	18795.1	16580.1	9477.4	1879.5	426.0	223.6	207.7	367.4	244.9	239.6	255.6
62.5°	17133.9	13625.1	7187.9	1166.0	292.8	170.4	143.8	298.2	213.0	213.0	234.3
65°	12379.2	9152.6	4179.6	612.3	207.7	133.1	106.5	170.4	175.7	181.0	191.7
67.5°	7667.1	4621.6	1762.4	298.2	138.4	90.5	69.2	106.5	117.1	117.1	127.8
70°	3785.6	1842.2	585.7	170.4	106.5	74.5	47.9	58.6	58.6	53.2	58.6
72.5°	1171.4	553.7	149.1	106.5	74.5	47.9	26.6	21.3	10.6	0.0	5.3
75°	133.1	106.5	95.8	74.5	47.9	21.3	5.3	0.0	0.0	0.0	0.0
77.5°	79.9	90.5	90.5	74.5	47.9	16.0	0.0	0.0	0.0	0.0	0.0
80°	63.9	69.2	74.5	69.2	42.6	21.3	0.0	0.0	0.0	0.0	0.0
82.5°	79.9	90.5	101.2	90.5	58.6	26.6	10.6	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	16.0	5.3	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°	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3
2.5°	11671.0	11553.9	11719.0	11474.0	11468.7	11474.0	11404.8	11340.9	11442.1	11713.6	11740.3
5°	8907.7	9157.9	9237.8	9498.7	9354.9	9142.0	9184.6	9040.8	9392.2	9546.6	9424.2
7.5°	6485.1	6469.1	7006.9	7038.8	7108.0	7113.4	7102.7	6820.5	6533.0	6596.9	6788.6
10°	5031.5	4760.0	5020.9	4994.3	5164.6	5116.7	5185.9	4882.5	4983.6	4983.6	5106.1
12.5°	4099.8	3812.3	3764.3	3695.1	3764.3	3791.0	3817.6	3759.0	3929.4	4009.3	4094.4
15°	3130.7	2971.0	2928.4	2795.3	2816.6	2891.1	2955.0	2981.7	2928.4	3050.9	3061.5
17.5°	2273.5	2268.2	2294.8	2289.5	2268.2	2252.2	2246.9	2177.7	2156.4	2167.0	2209.6
20°	1725.1	1767.7	1858.2	1948.7	1996.6	1938.1	1858.2	1741.1	1693.2	1703.8	1709.1
22.5°	1474.9	1538.7	1661.2	1762.4	1810.3	1703.8	1560.0	1458.9	1437.6	1432.3	1426.9
25°	1336.4	1411.0	1501.5	1533.4	1528.1	1464.2	1357.7	1315.1	1304.5	1293.8	1245.9
27.5°	1261.9	1288.5	1304.5	1341.7	1357.7	1315.1	1288.5	1224.6	1214.0	1214.0	1182.0
30°	1219.3	1203.3	1224.6	1198.0	1219.3	1187.3	1192.7	1192.7	1166.0	1176.7	1176.7
32.5°	1134.1	1139.4	1139.4	1086.2	1102.1	1064.9	1102.1	1134.1	1139.4	1144.7	1187.3
35°	830.6	926.4	974.4	974.4	990.3	963.7	958.4	921.1	873.2	825.3	804.0
37.5°	729.4	766.7	830.6	867.9	894.5	873.2	825.3	766.7	740.1	718.8	697.5
40°	649.6	681.5	724.1	766.7	820.0	793.3	718.8	692.2	660.2	660.2	638.9
42.5°	585.7	601.7	628.3	692.2	750.7	697.5	644.3	623.0	607.0	601.7	596.3
45°	527.1	532.4	559.1	612.3	681.5	628.3	575.0	548.4	553.7	559.1	553.7
47.5°	473.9	484.5	500.5	564.4	607.0	580.4	521.8	505.8	505.8	505.8	511.1
50°	410.0	436.6	468.5	521.8	553.7	537.8	489.8	468.5	457.9	457.9	463.2
52.5°	367.4	388.7	431.3	495.2	537.8	511.1	463.2	431.3	410.0	404.7	415.3
55°	319.5	356.7	426.0	473.9	532.4	505.8	452.6	415.3	378.0	372.7	372.7
57.5°	287.5	346.1	410.0	468.5	516.5	495.2	452.6	404.7	356.7	351.4	351.4
60°	271.5	335.4	399.3	452.6	516.5	484.5	447.2	394.0	340.8	340.8	335.4
62.5°	255.6	314.1	378.0	431.3	495.2	468.5	431.3	378.0	324.8	324.8	314.1
65°	213.0	271.5	314.1	362.1	431.3	404.7	367.4	330.1	287.5	276.9	282.2
67.5°	149.1	186.4	228.9	276.9	319.5	308.8	292.8	266.2	228.9	223.6	218.3
70°	74.5	101.2	138.4	186.4	223.6	213.0	202.3	181.0	159.7	154.4	154.4
72.5°	10.6	31.9	58.6	85.2	117.1	122.5	117.1	111.8	106.5	101.2	106.5
75°	0.0	0.0	0.0	21.3	47.9	58.6	69.2	79.9	79.9	69.2	85.2
77.5°	0.0	0.0	0.0	0.0	5.3	26.6	53.2	69.2	85.2	74.5	101.2
80°	0.0	0.0	0.0	0.0	5.3	31.9	53.2	74.5	85.2	74.5	106.5
82.5°	0.0	0.0	0.0	0.0	5.3	37.3	53.2	69.2	79.9	74.5	95.8
85°	0.0	0.0	0.0	0.0	16.0	31.9	21.3	10.6	5.3	5.3	16.0
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: P532213

CATALOG NUMBER: GALN-SA7C-740-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3	13726.3
2.5°	11889.3	12267.4	12672.0	12826.4	13305.6	13667.7	13912.6	14439.7	14519.6	14524.9
5°	9551.9	9743.6	10435.8	10760.6	11474.0	12027.8	12618.8	13470.7	14040.4	14083.0
7.5°	6788.6	7321.0	7613.9	8460.4	9339.0	10206.8	11085.4	12075.7	12735.9	12751.9
10°	5462.8	5808.9	6330.7	6964.3	7704.4	8588.2	9759.6	10909.7	11580.5	11745.6
12.5°	4397.9	5004.9	5601.2	6256.1	6820.5	7486.1	8748.0	10281.4	10835.1	11165.2
15°	3386.3	3940.0	4642.9	5409.6	6048.5	6937.7	8375.3	10127.0	11058.7	11170.6
17.5°	2497.1	2992.3	3641.9	4366.0	5324.4	6586.3	8439.1	10909.7	11788.2	11974.5
20°	1794.3	2081.8	2593.0	3434.2	4653.5	6176.3	8503.0	11703.0	13039.4	13358.9
22.5°	1421.6	1538.7	1874.2	2619.6	3902.8	5745.0	8955.6	13220.4	14759.2	15222.4
25°	1235.3	1299.1	1458.9	2065.9	3428.9	5702.4	9679.7	15041.4	17048.7	17384.1
27.5°	1192.7	1203.3	1341.7	1895.5	3173.3	5420.2	9956.6	16335.2	18475.6	18816.4
30°	1256.6	1426.9	1437.6	1602.6	2699.5	4861.2	10100.4	17586.4	19684.2	19934.5
32.5°	1086.2	1032.9	1070.2	1240.6	2374.7	4536.4	10371.9	18677.9	21063.3	21239.0
35°	756.1	793.3	878.5	1075.5	2076.5	4195.6	10441.1	19881.2	22373.1	22554.1
37.5°	697.5	718.8	788.0	915.8	1826.3	4003.9	10345.3	20759.8	23730.8	23981.0
40°	649.6	676.2	713.5	830.6	1639.9	3791.0	10212.2	21553.1	24561.4	25179.0
42.5°	612.3	633.6	665.5	793.3	1480.2	3578.0	10025.8	22671.2	25306.8	25844.5
45°	569.7	601.7	638.9	772.0	1389.7	3434.2	9887.4	22602.0	25738.1	26025.6
47.5°	527.1	580.4	623.0	718.8	1363.0	3365.0	9945.9	22341.1	25386.7	25189.6
50°	484.5	553.7	628.3	596.3	1299.1	3226.6	10015.2	22697.8	24550.7	24513.5
52.5°	447.2	527.1	585.7	489.8	1155.4	3093.5	10686.0	23166.4	25141.7	24646.6
55°	394.0	473.9	468.5	394.0	937.1	2992.3	11213.1	23177.0	24742.4	24928.8
57.5°	356.7	420.6	367.4	330.1	692.2	2502.5	10355.9	19434.0	21180.4	21510.5
60°	330.1	410.0	276.9	260.9	452.6	1805.0	9040.8	15052.0	16835.7	17458.6
62.5°	303.5	388.7	218.3	213.0	314.1	1283.2	7432.8	12597.5	14508.9	15355.5
65°	266.2	276.9	175.7	165.1	223.6	692.2	4525.7	8673.4	10845.8	11159.9
67.5°	218.3	213.0	143.8	133.1	149.1	335.4	1996.6	4344.7	6288.1	6815.2
70°	175.7	175.7	122.5	106.5	106.5	154.4	521.8	1730.4	2843.2	3146.7
72.5°	127.8	133.1	95.8	85.2	79.9	74.5	85.2	346.1	745.4	953.1
75°	111.8	117.1	95.8	74.5	58.6	47.9	37.3	31.9	42.6	69.2
77.5°	122.5	122.5	101.2	69.2	53.2	37.3	21.3	10.6	10.6	5.3
80°	154.4	159.7	133.1	90.5	63.9	42.6	26.6	10.6	5.3	5.3
82.5°	165.1	181.0	149.1	111.8	79.9	47.9	26.6	5.3	0.0	0.0
85°	42.6	69.2	117.1	101.2	79.9	47.9	26.6	5.3	0.0	0.0
87.5°	0.0	5.3	16.0	16.0	21.3	21.3	16.0	5.3	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

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