

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: P533201

Luminaire Tested: **GALN-SA8C-760-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533201  
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-SA8C-760-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

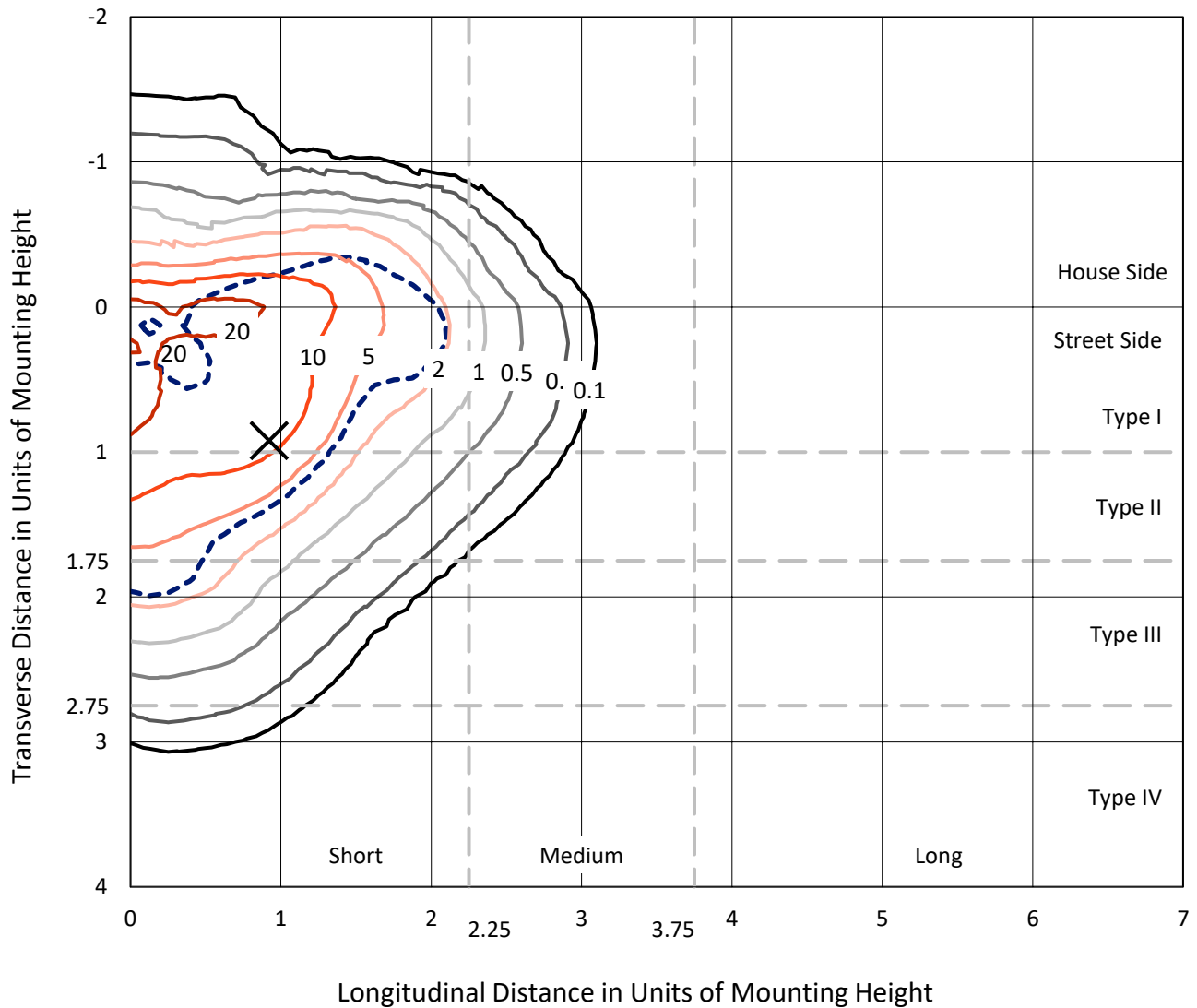
Lumens per Lamp: N/A  
Luminaire Lumens: 31385 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

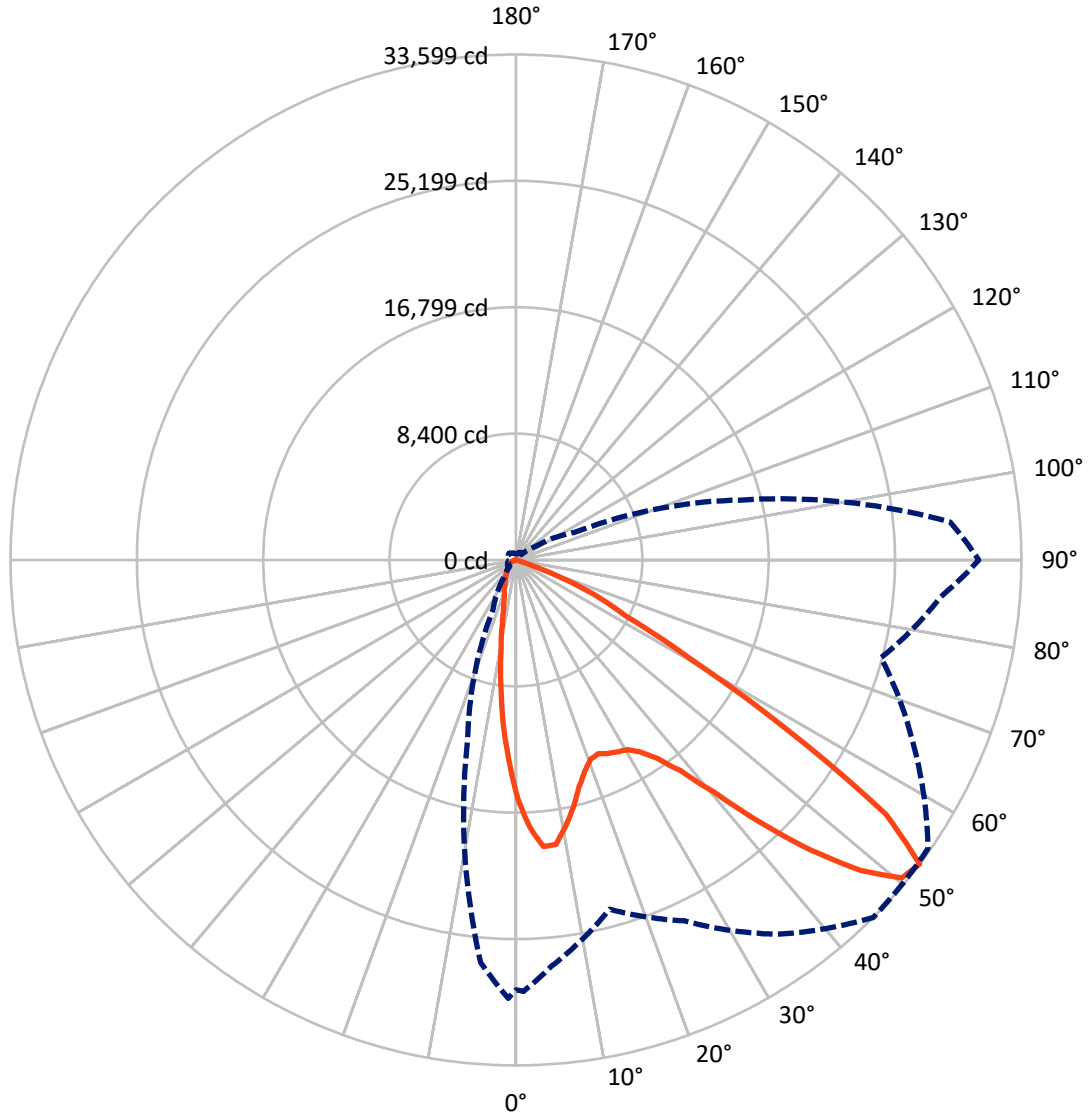
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.5 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	6369.6	0.0	6369.6
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	25015.4	0.0	25015.4
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	31385.0	0.0	31385.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1160.6	3.7
10°-20°	2289.7	7.3
20°-30°	3484.6	11.1
30°-40°	5208.1	16.6
40°-50°	7416.9	23.6
50°-60°	7972.9	25.4
60°-70°	3533.0	11.3
70°-80°	285.8	0.9
80°-90°	33.3	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°	31385.0	100.0
0°-180°	31385.0	100.0

**Coefficient of Utilization**



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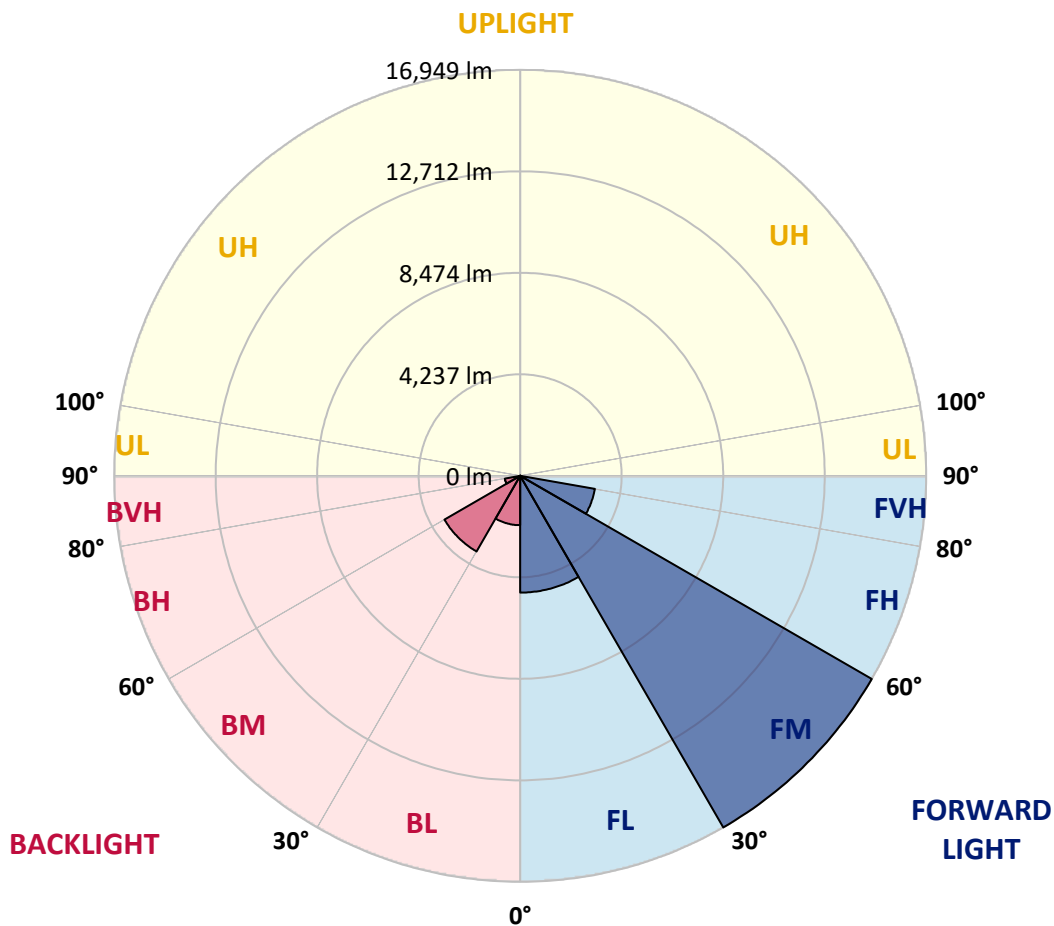
CATALOG NUMBER: GALN-SA8C-760-U-SLL-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4874.7	15.5			
FM (30°-60°)	16948.9	54.0			
FH (60°-80°)	3167.1	10.1			G2/5000
FVH (80°-90°)	24.7	0.1			G1/100
BL (0°-30°)	2060.2	6.6	B3/2500		
BM (30°-60°)	3649.1	11.6	B3/5000		
BH (60°-80°)	651.7	2.1	B2/1000		G2/1000
BVH (80°-90°)	8.6	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°	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7
2.5°	16839.6	16889.0	17160.6	17500.1	17679.1	18086.5	17802.6	17876.6	17722.3	17179.1	16753.2
5°	16327.2	16321.1	16666.7	17506.3	18302.6	19111.2	19135.9	18703.8	17944.5	17111.2	15919.8
7.5°	14784.0	15024.8	15382.8	16722.3	18197.6	18802.6	19092.7	18586.5	17419.8	16228.5	14938.3
10°	13617.3	13740.8	14345.7	15963.0	17043.3	17851.9	18030.9	17740.8	16845.8	15358.1	13913.6
12.5°	12944.5	13006.2	13716.1	15074.1	16216.1	16814.9	16901.3	17037.1	16395.1	15000.1	13265.5
15°	12950.7	13000.1	13956.9	15092.7	15543.3	15382.8	15666.7	15660.6	15938.3	14932.2	13808.7
17.5°	13882.8	13938.3	14802.5	15364.3	15166.7	14790.2	14771.7	15055.6	15642.0	15777.9	14629.7
20°	15487.7	15617.4	16253.2	16222.3	15111.2	14351.9	14142.0	14358.1	15722.3	16493.9	16284.0
22.5°	17648.2	17827.2	18271.7	17419.8	15364.3	14055.6	13987.7	14407.5	16253.2	18092.7	18160.6
25°	20154.4	20456.9	20672.9	19580.3	16265.5	14568.0	14247.0	14969.2	16969.2	19827.3	20549.5
27.5°	21814.9	22129.7	22080.3	20518.6	16870.4	14703.8	14432.2	15105.0	17592.7	20240.8	21796.4
30°	23111.2	23302.6	23648.3	21024.8	17475.4	15086.5	14623.5	15679.1	17796.4	20956.9	23302.6
32.5°	24623.6	24753.2	24777.9	21919.9	18407.5	15568.0	15216.1	16395.1	18697.6	21642.1	24635.9
35°	26148.3	26339.6	25938.4	23024.8	18981.6	16463.0	16203.8	17635.9	19419.8	22352.0	26105.1
37.5°	27802.6	27901.4	26975.4	23481.6	19802.6	17919.8	17777.9	18975.4	20672.9	23635.9	27734.7
40°	29191.5	29284.1	28080.4	24043.3	20666.8	19956.9	20321.1	21531.0	22376.6	24469.2	28549.5
42.5°	29963.1	30179.2	28450.7	23734.7	22401.3	22265.5	23882.8	24308.8	24352.0	24703.8	29277.9
45°	30173.0	30074.2	27839.6	23987.8	23919.9	26061.8	27531.0	28092.7	26314.9	25135.9	29463.1
47.5°	29203.8	29333.5	26938.4	23765.5	25913.7	28938.4	30839.6	31882.9	27777.9	24759.4	29006.3
50°	28419.9	28253.2	26648.3	23605.0	26450.7	30296.4	33228.5	33463.1	29123.6	25222.3	28506.3
52.5°	28574.2	28679.1	27111.2	24031.0	26463.1	30376.7	33598.9	33438.4	29166.8	25117.4	28327.3
55°	28901.4	28438.4	26913.7	23092.7	24691.5	28135.9	29821.1	29574.2	26919.9	24000.1	27889.0
57.5°	24938.4	25654.4	24747.0	20617.4	20265.5	21197.6	21166.8	21926.0	20080.3	20654.4	25389.0
60°	20240.8	20364.3	20703.8	17635.9	14024.8	13703.8	13259.3	12777.8	13512.4	17660.6	23092.7
62.5°	17802.6	17654.4	18864.3	16043.3	9901.3	8290.2	8216.1	8512.4	10426.0	16845.8	21660.6
65°	12938.3	13123.5	14000.1	12450.7	7432.1	6327.2	6216.1	7092.6	8438.3	13500.1	16530.9
67.5°	7901.3	8259.3	8339.5	7679.0	5043.2	4006.2	3845.7	4642.0	6092.6	8734.6	9691.4
70°	3648.2	4080.3	4487.7	4191.4	2919.8	1648.2	1555.6	1950.6	3074.1	5024.7	5142.0
72.5°	1104.9	1111.1	1555.6	1623.5	944.4	370.4	327.2	432.1	1043.2	1660.5	1746.9
75°	80.2	86.4	209.9	240.7	179.0	92.6	98.8	117.3	222.2	370.4	277.8
77.5°	6.2	6.2	6.2	30.9	55.6	61.7	80.2	92.6	117.3	135.8	123.5
80°	6.2	0.0	6.2	24.7	43.2	61.7	74.1	86.4	92.6	104.9	92.6
82.5°	0.0	0.0	0.0	18.5	43.2	61.7	67.9	92.6	104.9	123.5	104.9
85°	0.0	0.0	0.0	18.5	43.2	67.9	61.7	30.9	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°	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7
2.5°	16827.2	16586.5	16037.1	15759.3	15105.0	15012.4	14370.4	14265.5	14049.4	13932.2	13648.2
5°	15395.1	15105.0	14209.9	13456.9	12580.3	11969.2	11500.1	11074.1	10827.2	10598.8	10703.8
7.5°	14228.5	13382.8	12388.9	11129.7	10117.3	9463.0	8747.0	8160.5	7814.9	7580.3	7635.8
10°	13006.2	12456.8	11074.1	9660.5	8438.3	7975.3	7413.6	6963.0	6475.3	6055.6	5858.1
12.5°	12623.5	11808.7	10074.1	8635.8	7709.9	7259.3	6617.3	6098.8	5475.3	4963.0	4784.0
15°	12691.4	11907.5	9802.5	8265.5	7172.9	6395.1	5629.7	4987.7	4302.5	3944.5	3759.3
17.5°	13796.4	12438.3	9981.5	7876.6	6426.0	5345.7	4401.3	3586.4	3074.1	2703.7	2623.5
20°	15154.4	13586.5	10364.2	7592.6	5814.8	4253.1	3216.1	2512.4	2086.4	2024.7	2006.2
22.5°	17142.1	15463.0	11185.2	7401.3	5067.9	3314.8	2203.7	1827.2	1709.9	1697.5	1703.7
25°	19919.8	17814.9	12080.3	7240.8	4506.2	2555.6	1802.5	1549.4	1512.4	1493.8	1524.7
27.5°	21123.6	19234.7	12555.6	6895.1	3993.8	2302.5	1777.8	1537.0	1432.1	1401.2	1419.8
30°	22611.2	20179.1	13302.5	6302.5	3240.8	1895.1	1660.5	1672.8	1623.5	1469.1	1419.8
32.5°	24586.5	21358.1	13679.1	5882.7	2895.1	1567.9	1216.1	1117.3	1246.9	1271.6	1314.8
35°	25852.0	22555.7	13870.4	5635.8	2716.1	1339.5	1030.9	938.3	907.4	913.6	938.3
37.5°	28203.8	24173.0	14111.2	5376.6	2580.3	1166.7	932.1	845.7	802.5	802.5	827.2
40°	29611.2	25456.9	14438.3	5234.6	2444.5	1061.7	845.7	771.6	734.6	734.6	746.9
42.5°	29963.1	26092.7	14327.2	5185.2	2290.1	1037.0	771.6	716.1	672.8	666.7	660.5
45°	30592.7	27061.9	14345.7	5129.7	2129.6	944.4	728.4	666.7	604.9	598.8	592.6
47.5°	31284.1	27759.4	14382.8	4913.6	1975.3	790.1	759.3	617.3	543.2	530.9	530.9
50°	30691.5	28314.9	14703.8	4697.6	1777.8	642.0	746.9	580.2	481.5	463.0	469.1
52.5°	30765.6	28969.3	15382.8	4395.1	1530.9	512.3	604.9	549.4	438.3	407.4	413.6
55°	29580.4	28277.9	15475.4	4074.1	1197.5	395.1	463.0	481.5	370.4	358.0	358.0
57.5°	25463.1	23944.6	13654.4	3302.5	790.1	327.2	333.3	419.8	321.0	308.6	314.8
60°	21790.2	19222.3	10987.7	2179.0	493.8	259.3	240.7	425.9	284.0	277.8	296.3
62.5°	19864.3	15796.4	8333.4	1351.9	339.5	197.5	166.7	345.7	246.9	246.9	271.6
65°	14351.9	10611.2	4845.7	709.9	240.7	154.3	123.5	197.5	203.7	209.9	222.2
67.5°	8888.9	5358.0	2043.2	345.7	160.5	104.9	80.2	123.5	135.8	135.8	148.1
70°	4388.9	2135.8	679.0	197.5	123.5	86.4	55.6	67.9	67.9	61.7	67.9
72.5°	1358.0	642.0	172.8	123.5	86.4	55.6	30.9	24.7	12.3	0.0	6.2
75°	154.3	123.5	111.1	86.4	55.6	24.7	6.2	0.0	0.0	0.0	0.0
77.5°	92.6	104.9	104.9	86.4	55.6	18.5	0.0	0.0	0.0	0.0	0.0
80°	74.1	80.2	86.4	80.2	49.4	24.7	0.0	0.0	0.0	0.0	0.0
82.5°	92.6	104.9	117.3	104.9	67.9	30.9	12.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	18.5	6.2	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°	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7
2.5°	13530.9	13395.1	13586.5	13302.5	13296.4	13302.5	13222.3	13148.2	13265.5	13580.3	13611.2
5°	10327.2	10617.3	10709.9	11012.4	10845.7	10598.8	10648.2	10481.5	10888.9	11068.0	10926.0
7.5°	7518.6	7500.0	8123.5	8160.5	8240.8	8247.0	8234.6	7907.4	7574.1	7648.2	7870.4
10°	5833.4	5518.5	5821.0	5790.2	5987.7	5932.1	6012.4	5660.5	5777.8	5777.8	5919.8
12.5°	4753.1	4419.8	4364.2	4284.0	4364.2	4395.1	4425.9	4358.0	4555.6	4648.2	4746.9
15°	3629.6	3444.5	3395.1	3240.8	3265.4	3351.9	3425.9	3456.8	3395.1	3537.1	3549.4
17.5°	2635.8	2629.6	2660.5	2654.3	2629.6	2611.1	2605.0	2524.7	2500.0	2512.4	2561.7
20°	2000.0	2049.4	2154.3	2259.3	2314.8	2246.9	2154.3	2018.5	1963.0	1975.3	1981.5
22.5°	1709.9	1784.0	1925.9	2043.2	2098.8	1975.3	1808.7	1691.4	1666.7	1660.5	1654.3
25°	1549.4	1635.8	1740.7	1777.8	1771.6	1697.5	1574.1	1524.7	1512.4	1500.0	1444.5
27.5°	1463.0	1493.8	1512.4	1555.6	1574.1	1524.7	1493.8	1419.8	1407.4	1407.4	1370.4
30°	1413.6	1395.1	1419.8	1388.9	1413.6	1376.5	1382.7	1382.7	1351.9	1364.2	1364.2
32.5°	1314.8	1321.0	1321.0	1259.3	1277.8	1234.6	1277.8	1314.8	1321.0	1327.2	1376.5
35°	963.0	1074.1	1129.6	1129.6	1148.2	1117.3	1111.1	1067.9	1012.4	956.8	932.1
37.5°	845.7	888.9	963.0	1006.2	1037.0	1012.4	956.8	888.9	858.0	833.3	808.6
40°	753.1	790.1	839.5	888.9	950.6	919.8	833.3	802.5	765.4	765.4	740.7
42.5°	679.0	697.5	728.4	802.5	870.4	808.6	746.9	722.2	703.7	697.5	691.4
45°	611.1	617.3	648.2	709.9	790.1	728.4	666.7	635.8	642.0	648.2	642.0
47.5°	549.4	561.7	580.2	654.3	703.7	672.8	604.9	586.4	586.4	586.4	592.6
50°	475.3	506.2	543.2	604.9	642.0	623.5	567.9	543.2	530.9	530.9	537.0
52.5°	425.9	450.6	500.0	574.1	623.5	592.6	537.0	500.0	475.3	469.1	481.5
55°	370.4	413.6	493.8	549.4	617.3	586.4	524.7	481.5	438.3	432.1	432.1
57.5°	333.3	401.2	475.3	543.2	598.8	574.1	524.7	469.1	413.6	407.4	407.4
60°	314.8	388.9	463.0	524.7	598.8	561.7	518.5	456.8	395.1	395.1	388.9
62.5°	296.3	364.2	438.3	500.0	574.1	543.2	500.0	438.3	376.5	376.5	364.2
65°	246.9	314.8	364.2	419.8	500.0	469.1	425.9	382.7	333.3	321.0	327.2
67.5°	172.8	216.1	265.4	321.0	370.4	358.0	339.5	308.6	265.4	259.3	253.1
70°	86.4	117.3	160.5	216.1	259.3	246.9	234.6	209.9	185.2	179.0	179.0
72.5°	12.3	37.0	67.9	98.8	135.8	142.0	135.8	129.6	123.5	117.3	123.5
75°	0.0	0.0	0.0	24.7	55.6	67.9	80.2	92.6	92.6	80.2	98.8
77.5°	0.0	0.0	0.0	0.0	6.2	30.9	61.7	80.2	98.8	86.4	117.3
80°	0.0	0.0	0.0	0.0	6.2	37.0	61.7	86.4	98.8	86.4	123.5
82.5°	0.0	0.0	0.0	0.0	6.2	43.2	61.7	80.2	92.6	86.4	111.1
85°	0.0	0.0	0.0	0.0	18.5	37.0	24.7	12.3	6.2	6.2	18.5
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



REPORT NUMBER: P533201

CATALOG NUMBER: GALN-SA8C-760-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7	15913.7
2.5°	13784.0	14222.3	14691.4	14870.4	15426.0	15845.8	16129.7	16740.8	16833.4	16839.6
5°	11074.1	11296.3	12098.8	12475.4	13302.5	13944.5	14629.7	15617.4	16277.9	16327.2
7.5°	7870.4	8487.7	8827.2	9808.7	10827.2	11833.4	12851.9	14000.1	14765.5	14784.0
10°	6333.4	6734.6	7339.5	8074.1	8932.1	9956.8	11314.9	12648.2	13426.0	13617.3
12.5°	5098.8	5802.5	6493.9	7253.1	7907.4	8679.1	10142.0	11919.8	12561.8	12944.5
15°	3925.9	4567.9	5382.7	6271.6	7012.4	8043.2	9709.9	11740.8	12821.0	12950.7
17.5°	2895.1	3469.2	4222.2	5061.8	6172.9	7635.8	9784.0	12648.2	13666.7	13882.8
20°	2080.3	2413.6	3006.2	3981.5	5395.1	7160.5	9858.1	13568.0	15117.4	15487.7
22.5°	1648.2	1784.0	2172.8	3037.1	4524.7	6660.5	10382.8	15327.2	17111.2	17648.2
25°	1432.1	1506.2	1691.4	2395.1	3975.3	6611.1	11222.3	17438.4	19765.5	20154.4
27.5°	1382.7	1395.1	1555.6	2197.5	3679.0	6284.0	11543.3	18938.4	21419.9	21814.9
30°	1456.8	1654.3	1666.7	1858.0	3129.6	5635.8	11709.9	20389.0	22821.1	23111.2
32.5°	1259.3	1197.5	1240.7	1438.3	2753.1	5259.3	12024.7	21654.4	24419.9	24623.6
35°	876.5	919.8	1018.5	1246.9	2407.4	4864.2	12105.0	23049.5	25938.4	26148.3
37.5°	808.6	833.3	913.6	1061.7	2117.3	4642.0	11993.9	24068.0	27512.5	27802.6
40°	753.1	784.0	827.2	963.0	1901.2	4395.1	11839.6	24987.8	28475.4	29191.5
42.5°	709.9	734.6	771.6	919.8	1716.1	4148.2	11623.5	26284.1	29339.6	29963.1
45°	660.5	697.5	740.7	895.1	1611.1	3981.5	11463.0	26203.8	29839.6	30173.0
47.5°	611.1	672.8	722.2	833.3	1580.3	3901.3	11530.9	25901.4	29432.2	29203.8
50°	561.7	642.0	728.4	691.4	1506.2	3740.8	11611.2	26314.9	28463.1	28419.9
52.5°	518.5	611.1	679.0	567.9	1339.5	3586.4	12388.9	26858.1	29148.3	28574.2
55°	456.8	549.4	543.2	456.8	1086.4	3469.2	13000.1	26870.5	28685.3	28901.4
57.5°	413.6	487.7	425.9	382.7	802.5	2901.2	12006.2	22531.0	24555.7	24938.4
60°	382.7	475.3	321.0	302.5	524.7	2092.6	10481.5	17450.7	19518.6	20240.8
62.5°	351.9	450.6	253.1	246.9	364.2	1487.7	8617.3	14605.0	16821.1	17802.6
65°	308.6	321.0	203.7	191.4	259.3	802.5	5246.9	10055.6	12574.1	12938.3
67.5°	253.1	246.9	166.7	154.3	172.8	388.9	2314.8	5037.1	7290.2	7901.3
70°	203.7	203.7	142.0	123.5	123.5	179.0	604.9	2006.2	3296.3	3648.2
72.5°	148.1	154.3	111.1	98.8	92.6	86.4	98.8	401.2	864.2	1104.9
75°	129.6	135.8	111.1	86.4	67.9	55.6	43.2	37.0	49.4	80.2
77.5°	142.0	142.0	117.3	80.2	61.7	43.2	24.7	12.3	12.3	6.2
80°	179.0	185.2	154.3	104.9	74.1	49.4	30.9	12.3	6.2	6.2
82.5°	191.4	209.9	172.8	129.6	92.6	55.6	30.9	6.2	0.0	0.0
85°	49.4	80.2	135.8	117.3	92.6	55.6	30.9	6.2	0.0	0.0
87.5°	0.0	6.2	18.5	18.5	24.7	24.7	18.5	6.2	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)