

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: P532161

Luminaire Tested: **GALN-SA7C-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532161
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-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 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: 24654 lumens
Efficiency: N/A
Efficacy: 65.4 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

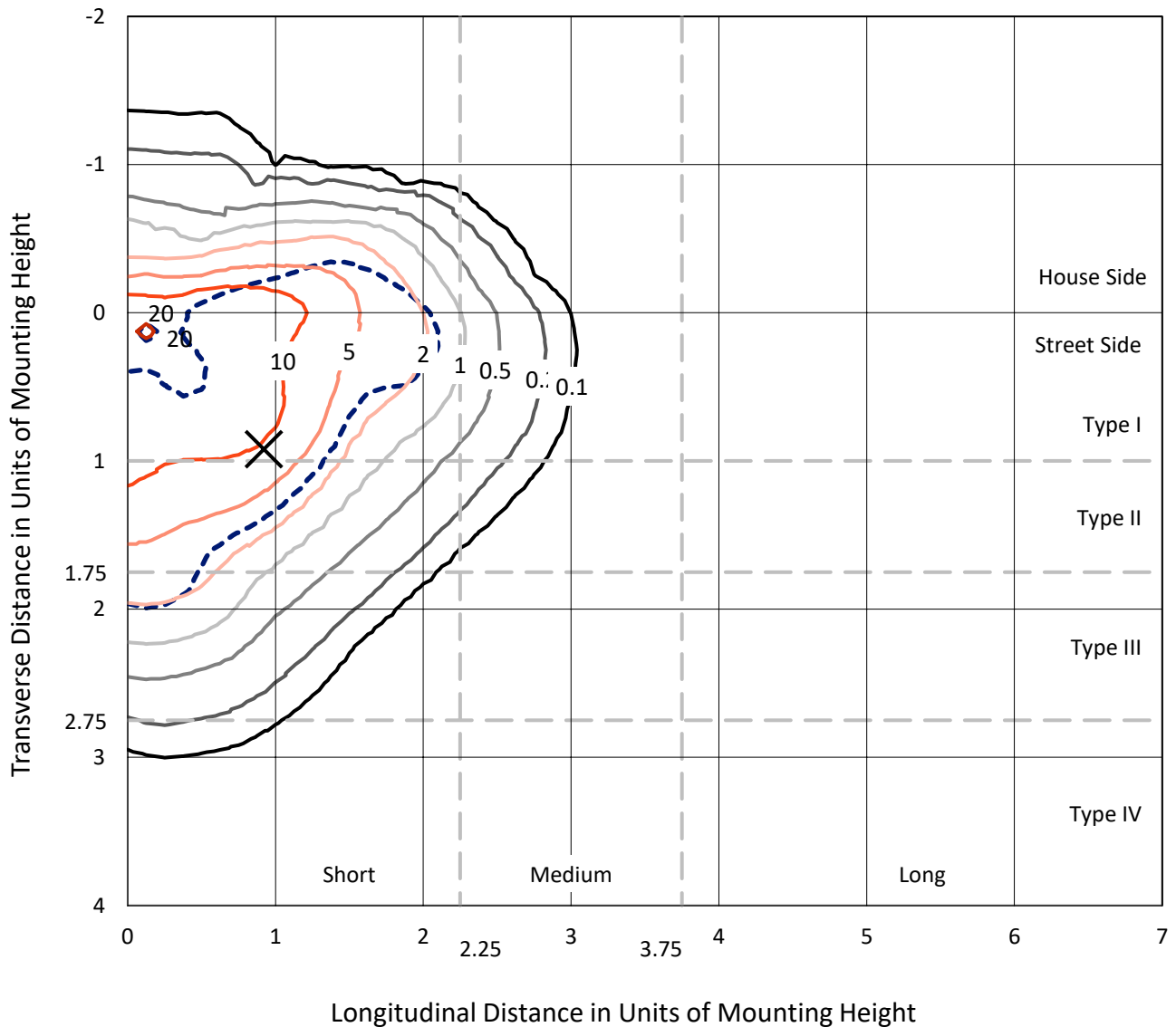
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

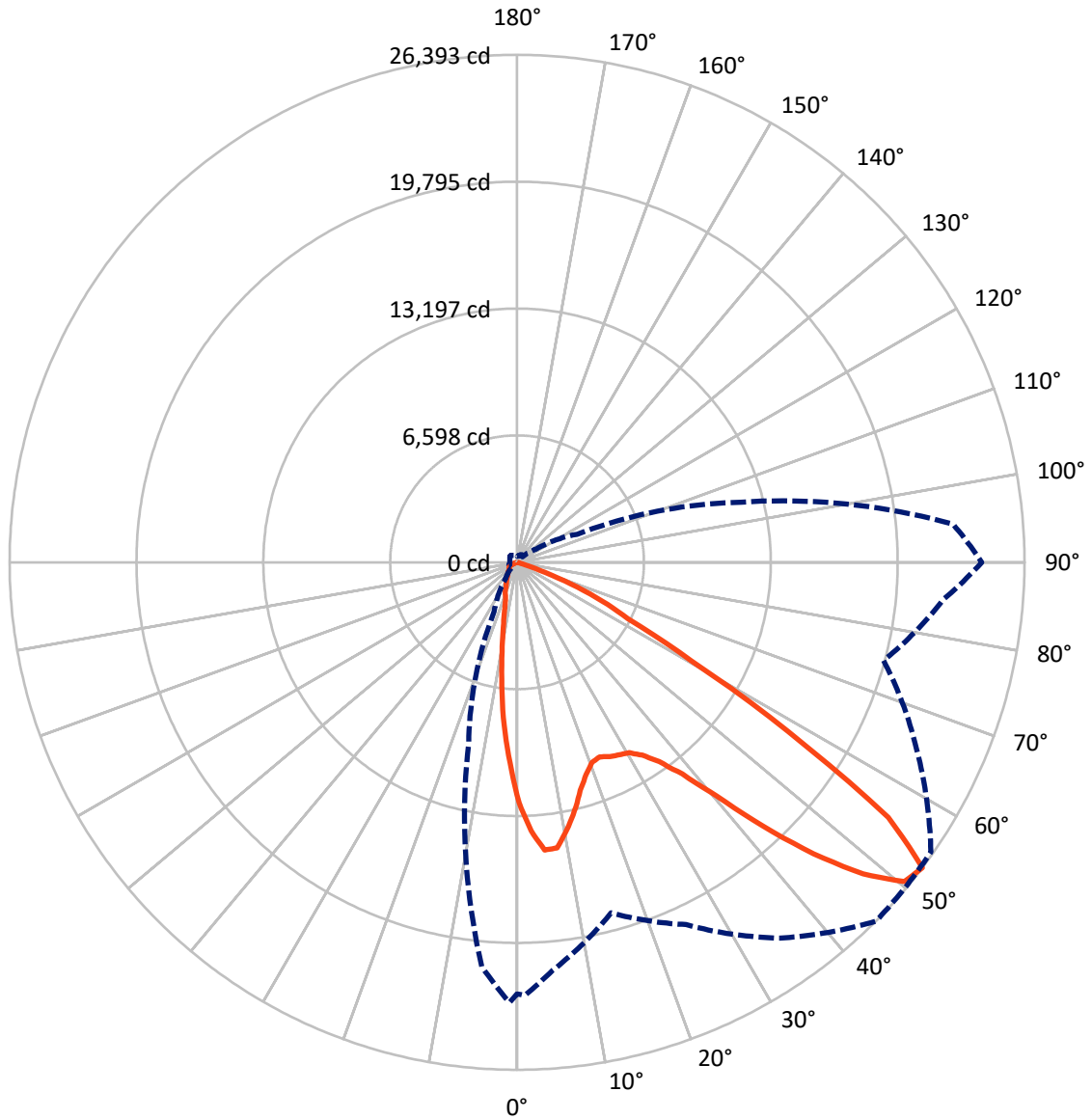
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.6 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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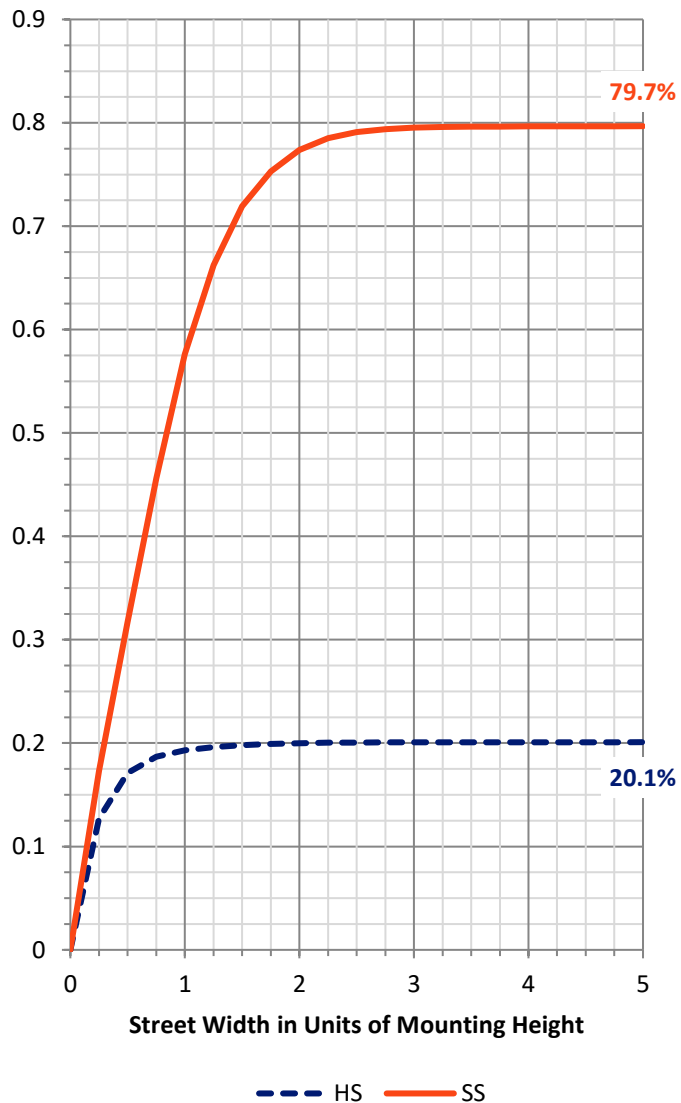
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5003.5	0.0	5003.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19650.4	0.0	19650.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	24654.0	0.0	24654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.7	3.7
10°-20°	1798.7	7.3
20°-30°	2737.3	11.1
30°-40°	4091.2	16.6
40°-50°	5826.2	23.6
50°-60°	6263.0	25.4
60°-70°	2775.3	11.3
70°-80°	224.5	0.9
80°-90°	26.2	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°	24654.0	100.0
0°-180°	24654.0	100.0

Coefficient of Utilization

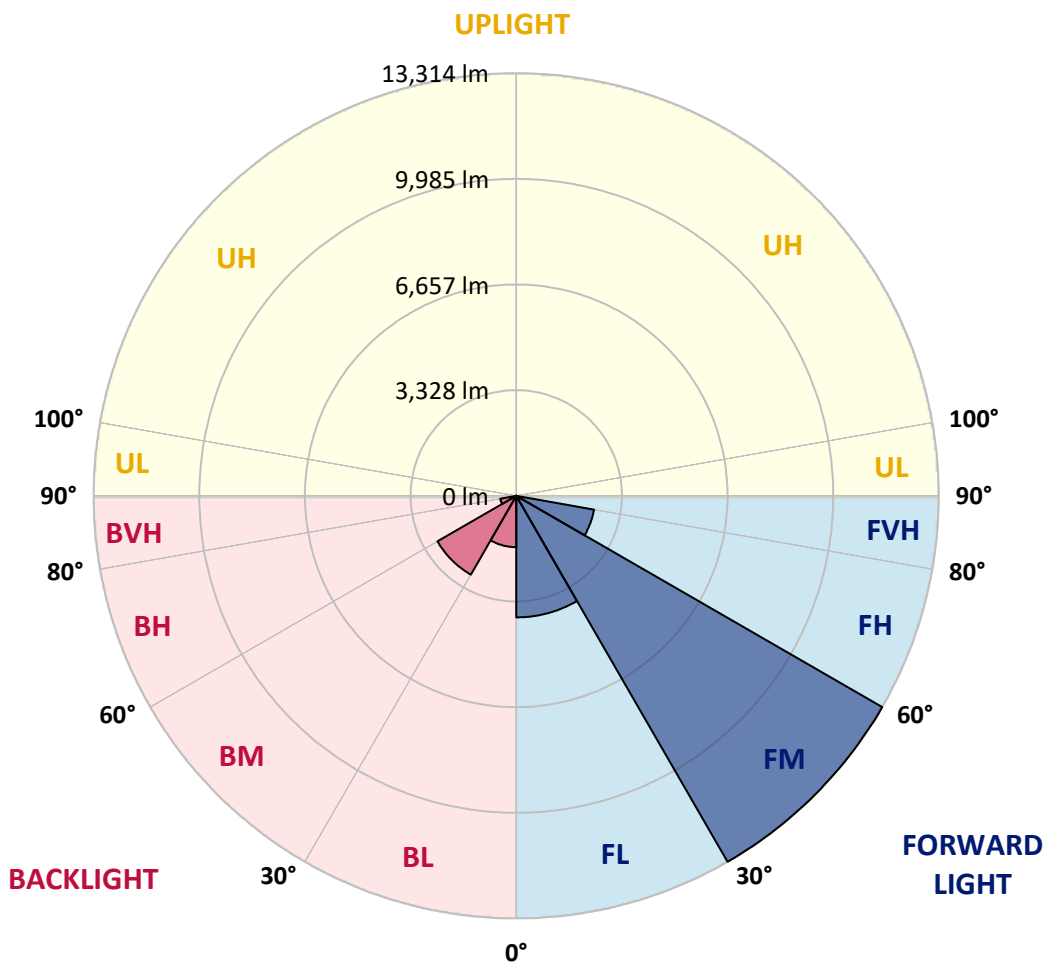


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3829.3	15.5			
FM (30°-60°)	13313.9	54.0			
FH (60°-80°)	2487.9	10.1			G2/5000
FVH (80°-90°)	19.4	0.1			G1/100
BL (0°-30°)	1618.3	6.6	B3/2500		
BM (30°-60°)	2866.5	11.6	B3/5000		
BH (60°-80°)	511.9	2.1	B2/1000		G2/1000
BVH (80°-90°)	6.8	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°	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7
2.5°	13228.1	13266.9	13480.2	13746.9	13887.5	14207.6	13984.5	14042.7	13921.5	13494.8	13160.2
5°	12825.6	12820.8	13092.3	13751.8	14377.3	15012.5	15031.9	14692.5	14096.0	13441.4	12505.6
7.5°	11613.4	11802.5	12083.7	13135.9	14294.9	14770.1	14998.0	14600.3	13683.9	12748.0	11734.6
10°	10696.9	10793.9	11269.1	12539.5	13388.1	14023.3	14163.9	13936.0	13232.9	12064.3	10929.6
12.5°	10168.4	10216.8	10774.5	11841.3	12738.3	13208.7	13276.6	13383.2	12878.9	11783.1	10420.5
15°	10173.2	10212.0	10963.6	11855.8	12209.8	12083.7	12306.8	12301.9	12520.1	11729.7	10847.2
17.5°	10905.4	10949.0	11627.9	12069.2	11914.0	11618.2	11603.7	11826.7	12287.4	12394.0	11492.1
20°	12166.1	12268.0	12767.4	12743.2	11870.4	11273.9	11109.1	11278.8	12350.4	12956.5	12791.7
22.5°	13863.3	14003.9	14353.0	13683.9	12069.2	11041.2	10987.8	11317.6	12767.4	14212.4	14265.8
25°	15832.0	16069.6	16239.3	15381.0	12777.1	11443.6	11191.5	11758.8	13329.9	15575.0	16142.3
27.5°	17136.4	17383.7	17344.9	16118.1	13252.3	11550.3	11337.0	11865.5	13819.7	15899.9	17121.8
30°	18154.7	18305.0	18576.5	16515.7	13727.5	11851.0	11487.3	12316.5	13979.7	16462.4	18305.0
32.5°	19342.7	19444.5	19463.9	17218.8	14459.7	12229.2	11952.8	12878.9	14687.6	17000.6	19352.4
35°	20540.4	20690.7	20375.5	18086.8	14910.7	12932.3	12728.6	13853.6	15255.0	17558.2	20506.4
37.5°	21839.9	21917.5	21190.1	18445.6	15555.6	14076.6	13965.1	14905.8	16239.3	18566.8	21786.6
40°	22930.9	23003.7	22058.1	18886.9	16234.5	15676.8	15962.9	16913.3	17577.6	19221.4	22426.6
42.5°	23537.0	23706.8	22349.0	18644.4	17597.0	17490.3	18760.8	19095.4	19129.3	19405.7	22998.8
45°	23701.9	23624.3	21869.0	18843.2	18789.9	20472.5	21626.5	22067.8	20671.3	19745.1	23144.3
47.5°	22940.6	23042.5	21161.0	18668.7	20356.1	22732.1	24225.6	25045.1	21820.5	19449.3	22785.5
50°	22324.8	22193.9	20933.1	18542.6	20778.0	23798.9	26102.2	26286.4	22877.6	19813.0	22392.7
52.5°	22446.0	22528.5	21296.8	18877.2	20787.7	23861.9	26393.1	26267.0	22911.5	19730.6	22252.1
55°	22703.0	22339.3	21141.6	18140.1	19396.0	22101.7	23425.5	23231.6	21146.5	18852.9	21907.8
57.5°	19590.0	20152.4	19439.6	16195.7	15919.3	16651.5	16627.2	17223.7	15773.8	16224.8	19943.9
60°	15899.9	15996.9	16263.5	13853.6	11016.9	10764.8	10415.7	10037.4	10614.5	13873.0	18140.1
62.5°	13984.5	13868.1	14818.5	12602.6	7777.8	6512.2	6454.0	6686.8	8190.0	13232.9	17015.1
65°	10163.5	10309.0	10997.5	9780.4	5838.2	4970.2	4882.9	5571.5	6628.6	10604.8	12985.6
67.5°	6206.7	6488.0	6551.0	6032.2	3961.6	3147.0	3020.9	3646.4	4786.0	6861.3	7612.9
70°	2865.8	3205.2	3525.2	3292.5	2293.6	1294.7	1221.9	1532.3	2414.8	3947.1	4039.2
72.5°	868.0	872.8	1221.9	1275.3	741.9	290.9	257.0	339.4	819.5	1304.4	1372.3
75°	63.0	67.9	164.9	189.1	140.6	72.7	77.6	92.1	174.6	290.9	218.2
77.5°	4.8	4.8	4.8	24.2	43.6	48.5	63.0	72.7	92.1	106.7	97.0
80°	4.8	0.0	4.8	19.4	33.9	48.5	58.2	67.9	72.7	82.4	72.7
82.5°	0.0	0.0	0.0	14.5	33.9	48.5	53.3	72.7	82.4	97.0	82.4
85°	0.0	0.0	0.0	14.5	33.9	53.3	48.5	24.2	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°	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7
2.5°	13218.4	13029.3	12597.7	12379.5	11865.5	11792.8	11288.5	11206.0	11036.3	10944.2	10721.1
5°	12093.4	11865.5	11162.4	10570.8	9882.3	9402.2	9033.7	8699.1	8505.1	8325.7	8408.2
7.5°	11176.9	10512.6	9731.9	8742.7	7947.5	7433.5	6871.0	6410.4	6138.8	5954.6	5998.2
10°	10216.8	9785.3	8699.1	7588.7	6628.6	6264.9	5823.6	5469.7	5086.6	4756.9	4601.7
12.5°	9916.2	9276.1	7913.6	6783.8	6056.4	5702.4	5198.1	4790.8	4301.1	3898.6	3758.0
15°	9969.5	9353.7	7700.2	6492.8	5634.5	5023.6	4422.3	3918.0	3379.8	3098.5	2953.0
17.5°	10837.5	9770.7	7840.8	6187.3	5047.8	4199.2	3457.3	2817.3	2414.8	2123.9	2060.8
20°	11904.3	10672.7	8141.5	5964.3	4567.8	3341.0	2526.3	1973.5	1639.0	1590.5	1575.9
22.5°	13465.7	12146.7	8786.4	5814.0	3981.0	2603.9	1731.1	1435.3	1343.2	1333.5	1338.3
25°	15647.7	13994.2	9489.5	5687.9	3539.8	2007.5	1415.9	1217.1	1188.0	1173.5	1197.7
27.5°	16593.3	15109.5	9862.9	5416.3	3137.3	1808.7	1396.5	1207.4	1125.0	1100.7	1115.3
30°	17761.9	15851.4	10449.6	4950.8	2545.7	1488.6	1304.4	1314.1	1275.3	1154.1	1115.3
32.5°	19313.6	16777.5	10745.4	4621.1	2274.2	1231.6	955.3	877.7	979.5	998.9	1032.8
35°	20307.6	17718.2	10895.7	4427.1	2133.6	1052.2	809.8	737.0	712.8	717.7	737.0
37.5°	22155.1	18988.7	11084.8	4223.5	2026.9	916.5	732.2	664.3	630.4	630.4	649.8
40°	23260.7	19997.3	11341.8	4112.0	1920.2	834.0	664.3	606.1	577.0	577.0	586.7
42.5°	23537.0	20496.7	11254.5	4073.2	1799.0	814.6	606.1	562.5	528.5	523.7	518.8
45°	24031.6	21258.0	11269.1	4029.5	1672.9	741.9	572.2	523.7	475.2	470.4	465.5
47.5°	24574.7	21806.0	11298.2	3859.8	1551.7	620.7	596.4	484.9	426.7	417.0	417.0
50°	24109.2	22242.4	11550.3	3690.1	1396.5	504.3	586.7	455.8	378.2	363.7	368.5
52.5°	24167.4	22756.4	12083.7	3452.5	1202.6	402.5	475.2	431.6	344.3	320.0	324.9
55°	23236.4	22213.3	12156.4	3200.3	940.7	310.3	363.7	378.2	290.9	281.2	281.2
57.5°	20002.1	18809.3	10726.0	2594.2	620.7	257.0	261.8	329.7	252.1	242.5	247.3
60°	17117.0	15099.8	8631.2	1711.7	387.9	203.7	189.1	334.6	223.1	218.2	232.8
62.5°	15604.1	12408.6	6546.2	1061.9	266.7	155.2	130.9	271.5	194.0	194.0	213.4
65°	11273.9	8335.4	3806.5	557.6	189.1	121.2	97.0	155.2	160.0	164.9	174.6
67.5°	6982.6	4208.9	1605.0	271.5	126.1	82.4	63.0	97.0	106.7	106.7	116.4
70°	3447.6	1677.8	533.4	155.2	97.0	67.9	43.6	53.3	53.3	48.5	53.3
72.5°	1066.8	504.3	135.8	97.0	67.9	43.6	24.2	19.4	9.7	0.0	4.8
75°	121.2	97.0	87.3	67.9	43.6	19.4	4.8	0.0	0.0	0.0	0.0
77.5°	72.7	82.4	82.4	67.9	43.6	14.5	0.0	0.0	0.0	0.0	0.0
80°	58.2	63.0	67.9	63.0	38.8	19.4	0.0	0.0	0.0	0.0	0.0
82.5°	72.7	82.4	92.1	82.4	53.3	24.2	9.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	14.5	4.8	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°	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7
2.5°	10629.0	10522.3	10672.7	10449.6	10444.7	10449.6	10386.6	10328.4	10420.5	10667.8	10692.0
5°	8112.4	8340.3	8413.0	8650.6	8519.7	8325.7	8364.5	8233.6	8553.6	8694.3	8582.7
7.5°	5906.1	5891.5	6381.3	6410.4	6473.4	6478.3	6468.6	6211.6	5949.7	6007.9	6182.5
10°	4582.3	4335.0	4572.6	4548.4	4703.5	4659.9	4722.9	4446.5	4538.7	4538.7	4650.2
12.5°	3733.7	3471.9	3428.2	3365.2	3428.2	3452.5	3476.7	3423.4	3578.6	3651.3	3728.9
15°	2851.2	2705.7	2667.0	2545.7	2565.1	2633.0	2691.2	2715.4	2667.0	2778.5	2788.2
17.5°	2070.5	2065.7	2089.9	2085.1	2065.7	2051.1	2046.3	1983.2	1963.8	1973.5	2012.3
20°	1571.1	1609.9	1692.3	1774.7	1818.4	1765.0	1692.3	1585.6	1542.0	1551.7	1556.5
22.5°	1343.2	1401.4	1512.9	1605.0	1648.7	1551.7	1420.8	1328.6	1309.2	1304.4	1299.5
25°	1217.1	1285.0	1367.4	1396.5	1391.7	1333.5	1236.5	1197.7	1188.0	1178.3	1134.7
27.5°	1149.2	1173.5	1188.0	1221.9	1236.5	1197.7	1173.5	1115.3	1105.6	1105.6	1076.5
30°	1110.4	1095.9	1115.3	1091.0	1110.4	1081.3	1086.2	1086.2	1061.9	1071.6	1071.6
32.5°	1032.8	1037.7	1037.7	989.2	1003.7	969.8	1003.7	1032.8	1037.7	1042.5	1081.3
35°	756.4	843.7	887.4	887.4	901.9	877.7	872.8	838.9	795.2	751.6	732.2
37.5°	664.3	698.3	756.4	790.4	814.6	795.2	751.6	698.3	674.0	654.6	635.2
40°	591.6	620.7	659.5	698.3	746.7	722.5	654.6	630.4	601.3	601.3	581.9
42.5°	533.4	547.9	572.2	630.4	683.7	635.2	586.7	567.3	552.8	547.9	543.1
45°	480.1	484.9	509.1	557.6	620.7	572.2	523.7	499.4	504.3	509.1	504.3
47.5°	431.6	441.3	455.8	514.0	552.8	528.5	475.2	460.7	460.7	460.7	465.5
50°	373.4	397.6	426.7	475.2	504.3	489.7	446.1	426.7	417.0	417.0	421.9
52.5°	334.6	354.0	392.8	451.0	489.7	465.5	421.9	392.8	373.4	368.5	378.2
55°	290.9	324.9	387.9	431.6	484.9	460.7	412.2	378.2	344.3	339.4	339.4
57.5°	261.8	315.2	373.4	426.7	470.4	451.0	412.2	368.5	324.9	320.0	320.0
60°	247.3	305.5	363.7	412.2	470.4	441.3	407.3	358.8	310.3	310.3	305.5
62.5°	232.8	286.1	344.3	392.8	451.0	426.7	392.8	344.3	295.8	295.8	286.1
65°	194.0	247.3	286.1	329.7	392.8	368.5	334.6	300.6	261.8	252.1	257.0
67.5°	135.8	169.7	208.5	252.1	290.9	281.2	266.7	242.5	208.5	203.7	198.8
70°	67.9	92.1	126.1	169.7	203.7	194.0	184.3	164.9	145.5	140.6	140.6
72.5°	9.7	29.1	53.3	77.6	106.7	111.5	106.7	101.8	97.0	92.1	97.0
75°	0.0	0.0	0.0	19.4	43.6	53.3	63.0	72.7	72.7	63.0	77.6
77.5°	0.0	0.0	0.0	0.0	4.8	24.2	48.5	63.0	77.6	67.9	92.1
80°	0.0	0.0	0.0	0.0	4.8	29.1	48.5	67.9	77.6	67.9	97.0
82.5°	0.0	0.0	0.0	0.0	4.8	33.9	48.5	63.0	72.7	67.9	87.3
85°	0.0	0.0	0.0	0.0	14.5	29.1	19.4	9.7	4.8	4.8	14.5
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: P532161

CATALOG NUMBER: GALN-SA7C-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7	12500.7
2.5°	10827.8	11172.1	11540.6	11681.2	12117.7	12447.4	12670.4	13150.5	13223.2	13228.1
5°	8699.1	8873.7	9504.0	9799.8	10449.6	10953.9	11492.1	12268.0	12786.8	12825.6
7.5°	6182.5	6667.4	6934.1	7705.1	8505.1	9295.5	10095.6	10997.5	11598.8	11613.4
10°	4975.1	5290.3	5765.5	6342.5	7016.5	7821.4	8888.2	9935.6	10546.6	10696.9
12.5°	4005.3	4558.1	5101.1	5697.6	6211.6	6817.7	7966.9	9363.4	9867.7	10168.4
15°	3084.0	3588.3	4228.3	4926.6	5508.5	6318.2	7627.5	9222.8	10071.4	10173.2
17.5°	2274.2	2725.1	3316.7	3976.2	4849.0	5998.2	7685.7	9935.6	10735.7	10905.4
20°	1634.1	1896.0	2361.5	3127.6	4238.0	5624.8	7743.9	10658.1	11875.2	12166.1
22.5°	1294.7	1401.4	1706.8	2385.7	3554.3	5232.1	8156.0	12040.1	13441.4	13863.3
25°	1125.0	1183.2	1328.6	1881.4	3122.8	5193.3	8815.5	13698.4	15526.5	15832.0
27.5°	1086.2	1095.9	1221.9	1726.2	2890.0	4936.3	9067.6	14876.7	16826.0	17136.4
30°	1144.4	1299.5	1309.2	1459.5	2458.4	4427.1	9198.6	16016.2	17926.8	18154.7
32.5°	989.2	940.7	974.6	1129.8	2162.7	4131.3	9445.9	17010.3	19182.6	19342.7
35°	688.6	722.5	800.1	979.5	1891.1	3821.0	9508.9	18106.2	20375.5	20540.4
37.5°	635.2	654.6	717.7	834.0	1663.2	3646.4	9421.6	18906.3	21612.0	21839.9
40°	591.6	615.8	649.8	756.4	1493.5	3452.5	9300.4	19628.8	22368.4	22930.9
42.5°	557.6	577.0	606.1	722.5	1348.0	3258.5	9130.7	20647.0	23047.3	23537.0
45°	518.8	547.9	581.9	703.1	1265.6	3127.6	9004.6	20584.0	23440.1	23701.9
47.5°	480.1	528.5	567.3	654.6	1241.3	3064.6	9057.9	20346.4	23120.0	22940.6
50°	441.3	504.3	572.2	543.1	1183.2	2938.5	9121.0	20671.3	22358.7	22324.8
52.5°	407.3	480.1	533.4	446.1	1052.2	2817.3	9731.9	21098.0	22897.0	22446.0
55°	358.8	431.6	426.7	358.8	853.4	2725.1	10212.0	21107.7	22533.3	22703.0
57.5°	324.9	383.1	334.6	300.6	630.4	2279.0	9431.3	17698.9	19289.3	19590.0
60°	300.6	373.4	252.1	237.6	412.2	1643.8	8233.6	13708.1	15332.5	15899.9
62.5°	276.4	354.0	198.8	194.0	286.1	1168.6	6769.2	11472.7	13213.5	13984.5
65°	242.5	252.1	160.0	150.3	203.7	630.4	4121.7	7899.0	9877.4	10163.5
67.5°	198.8	194.0	130.9	121.2	135.8	305.5	1818.4	3956.8	5726.7	6206.7
70°	160.0	160.0	111.5	97.0	97.0	140.6	475.2	1575.9	2589.4	2865.8
72.5°	116.4	121.2	87.3	77.6	72.7	67.9	77.6	315.2	678.9	868.0
75°	101.8	106.7	87.3	67.9	53.3	43.6	33.9	29.1	38.8	63.0
77.5°	111.5	111.5	92.1	63.0	48.5	33.9	19.4	9.7	9.7	4.8
80°	140.6	145.5	121.2	82.4	58.2	38.8	24.2	9.7	4.8	4.8
82.5°	150.3	164.9	135.8	101.8	72.7	43.6	24.2	4.8	0.0	0.0
85°	38.8	63.0	106.7	92.1	72.7	43.6	24.2	4.8	0.0	0.0
87.5°	0.0	4.8	14.5	14.5	19.4	19.4	14.5	4.8	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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