

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: P532631

Luminaire Tested: **GALN-SA8A-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18592 lumens
Efficiency: N/A
Efficacy: 76.2 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

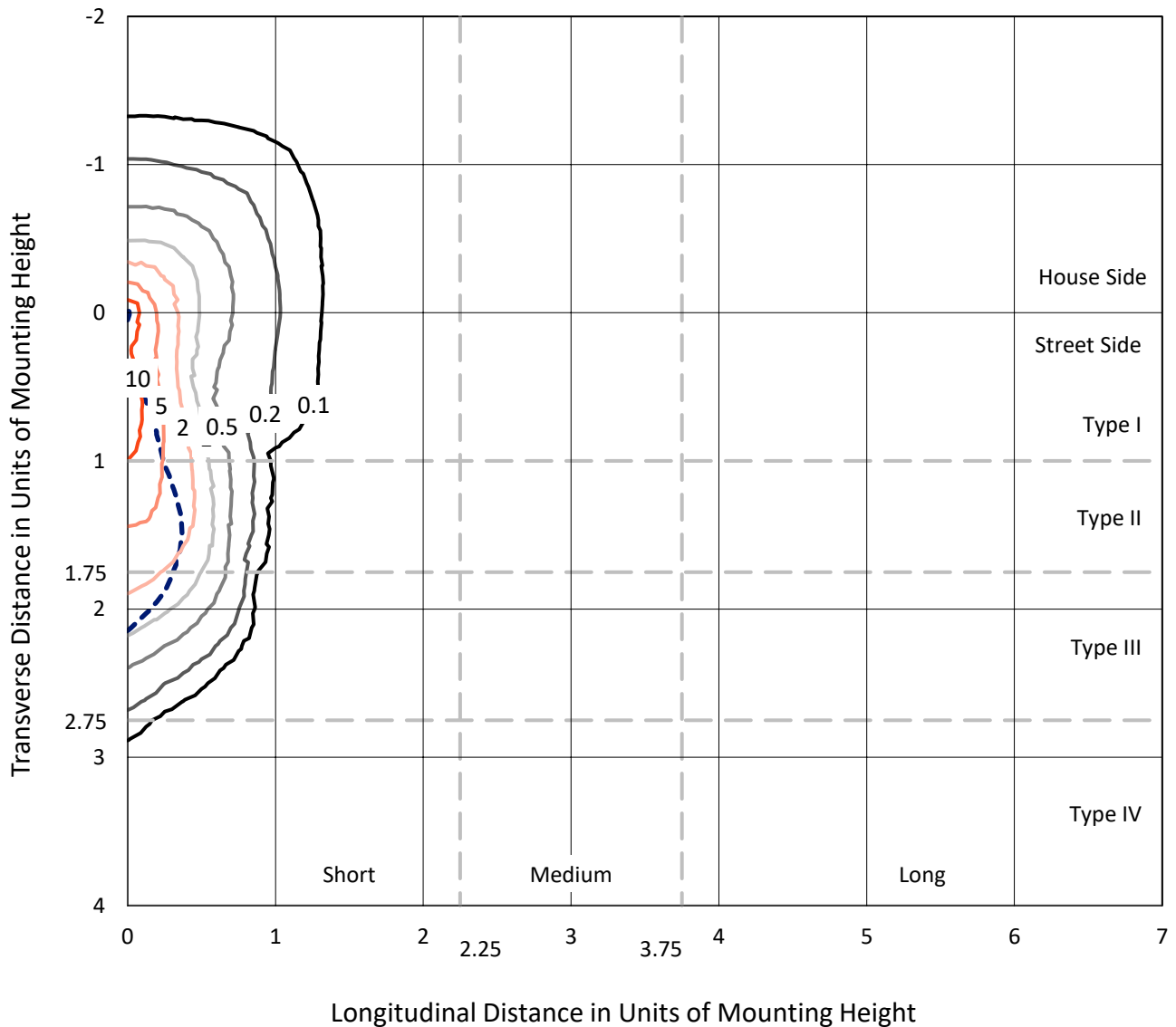
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

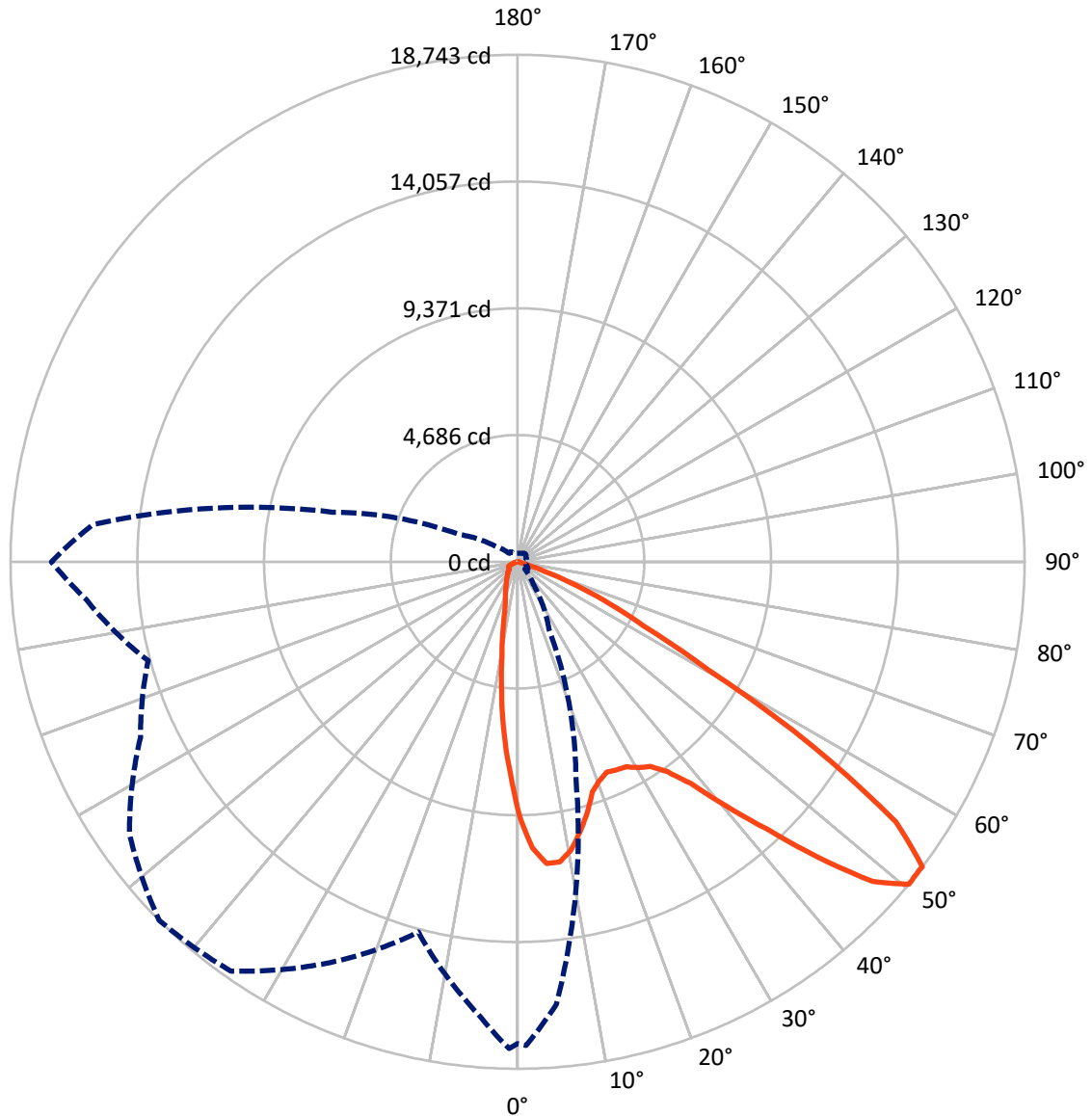
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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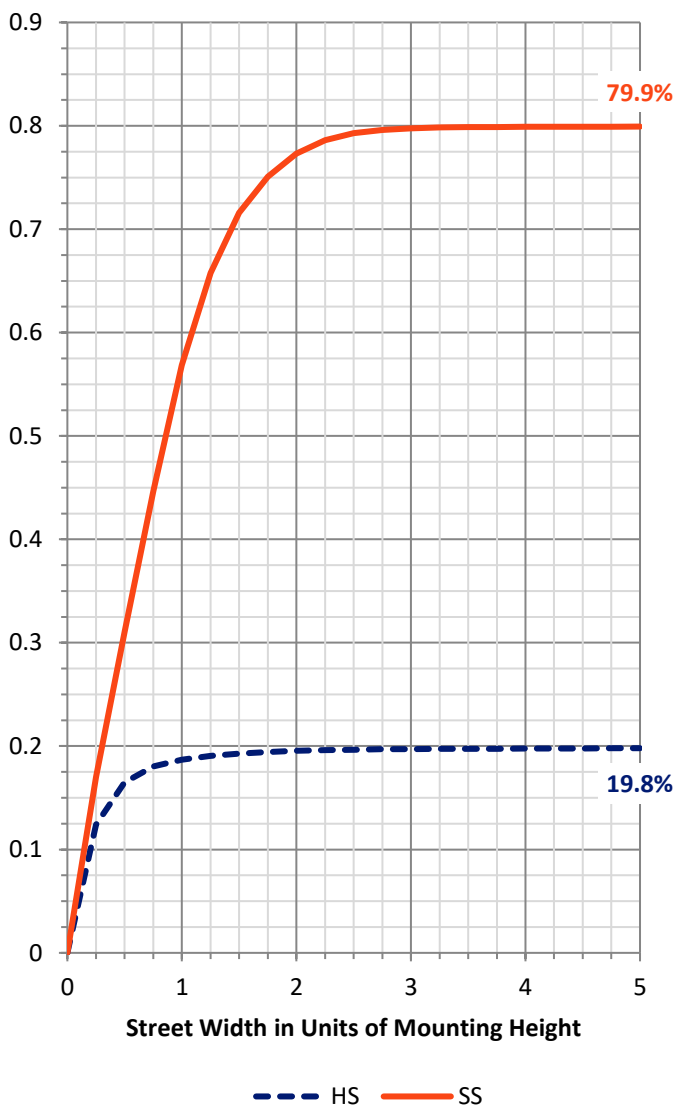
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3724.0	0.0	3724.0
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	14868.0	0.0	14868.0
	% Fixture	80.0	0.0	80.0
Total	Lumens	18592.0	0.0	18592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.2	3.7
10°-20°	1365.9	7.3
20°-30°	2051.9	11.0
30°-40°	3079.9	16.6
40°-50°	4328.6	23.3
50°-60°	4669.1	25.1
60°-70°	2167.9	11.7
70°-80°	204.0	1.1
80°-90°	37.6	0.2
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°	18592.0	100.0
0°-180°	18592.0	100.0

Coefficient of Utilization

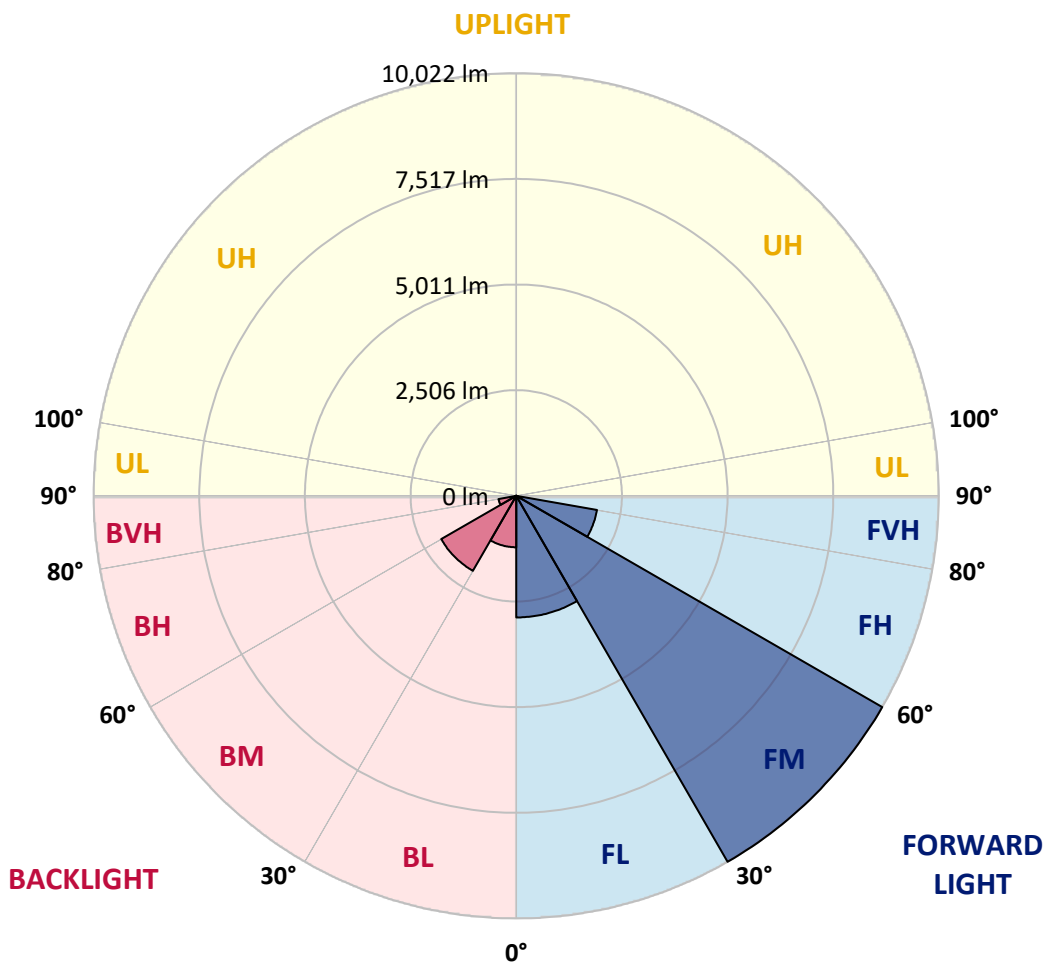


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2884.4	15.5			
FM (30°-60°)	10022.5	53.9			
FH (60°-80°)	1944.2	10.5			G2/5000
FVH (80°-90°)	16.9	0.1			G1/100
BL (0°-30°)	1220.6	6.6	B3/2500		
BM (30°-60°)	2055.1	11.1	B2/2500		
BH (60°-80°)	427.6	2.3	B1/500		G1/500
BVH (80°-90°)	20.7	0.1			G1/100
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°	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5
2.5°	9801.1	9649.8	9458.0	9299.4	9063.3	8587.4	8458.3	8303.4	8174.3	8000.9	7757.5
5°	8912.1	8864.1	8775.6	8178.0	7746.4	7171.0	6698.8	6499.6	6237.7	6023.8	5868.8
7.5°	8233.3	8041.5	7761.2	7159.9	6470.1	5854.1	5330.3	5024.1	4677.4	4559.3	4349.1
10°	7506.6	7550.9	7137.8	6293.0	5459.4	4961.4	4636.8	4341.7	4028.1	3821.6	3522.8
12.5°	7274.2	7130.4	6813.2	5769.2	5057.3	4592.5	4197.8	3832.6	3500.6	3168.7	2880.9
15°	7425.5	7204.2	6761.5	5658.6	4747.4	4168.3	3674.0	3179.7	2873.5	2449.3	2150.6
17.5°	7967.7	7790.7	7196.8	5776.6	4588.8	3762.5	3028.5	2519.4	2051.0	1667.3	1516.1
20°	8871.5	8620.6	7875.5	5927.8	4352.7	3271.9	2456.7	1829.6	1387.0	1224.7	1139.8
22.5°	9756.8	9620.3	8679.7	6219.3	4142.5	2836.7	1844.4	1232.0	1036.5	1007.0	951.7
25°	11442.6	11033.1	9908.0	6746.8	3980.2	2427.2	1390.7	992.3	877.9	855.8	863.2
27.5°	12445.9	12102.8	11044.2	7097.2	3799.4	2113.7	1176.7	911.1	833.7	785.7	767.3
30°	13408.7	13010.3	11608.5	7303.8	3412.1	1781.7	1043.9	874.2	855.8	785.7	763.6
32.5°	14150.1	13759.1	12423.8	7613.6	3253.5	1567.7	859.5	682.4	634.5	627.1	693.5
35°	15286.2	14869.4	13120.9	7783.3	3131.8	1457.1	745.1	608.6	553.3	531.2	534.9
37.5°	16344.9	16060.9	13766.5	7849.7	3002.7	1423.9	667.7	545.9	498.0	483.2	479.5
40°	17230.2	16595.8	14378.8	7919.8	2947.3	1361.2	619.7	498.0	464.8	442.7	442.7
42.5°	17636.0	16990.5	15064.9	7879.2	2932.6	1261.6	619.7	457.4	431.6	409.5	405.8
45°	17547.5	17285.6	15371.1	7860.8	2932.6	1162.0	564.4	446.3	409.5	379.9	372.6
47.5°	17776.2	17433.1	15754.7	7938.2	2873.5	1091.9	475.9	468.5	387.3	350.4	343.1
50°	17816.7	17883.1	16422.4	8340.3	2744.4	1003.3	372.6	461.1	372.6	317.2	309.9
52°	18082.3	17669.2	16625.3	8554.2	2608.0	936.9	313.5	394.7	357.8	295.1	287.7
52.5°	17717.1	17986.4	16673.2	8631.7	2622.7	892.7	302.5	387.3	350.4	295.1	276.7
55°	17307.7	17565.9	16477.7	8797.7	2405.1	700.9	236.1	280.3	317.2	258.2	247.1
57.5°	15042.8	15304.7	14319.8	8056.3	1958.7	494.3	195.5	210.3	280.3	239.8	228.7
60°	13371.8	13183.7	12018.0	6720.9	1390.7	276.7	154.9	162.3	306.2	221.3	217.6
62.5°	12220.9	11818.8	10044.5	5190.1	848.4	184.4	121.7	125.4	236.1	206.6	206.6
65°	9041.2	8591.1	6673.0	3139.1	416.8	129.1	92.2	99.6	147.6	177.1	177.1
67.5°	5160.6	4987.2	3224.0	1416.5	173.4	81.2	70.1	77.5	114.4	143.9	136.5
70°	2371.9	2128.4	1239.4	298.8	81.2	55.3	55.3	62.7	92.2	107.0	99.6
72.5°	693.5	656.6	302.5	48.0	33.2	33.2	36.9	48.0	70.1	81.2	73.8
75°	51.6	33.2	22.1	14.8	14.8	22.1	29.5	48.0	70.1	77.5	62.7
77.5°	3.7	7.4	3.7	3.7	11.1	22.1	33.2	59.0	92.2	95.9	70.1
80°	3.7	3.7	0.0	3.7	11.1	22.1	36.9	66.4	103.3	110.7	59.0
82.5°	0.0	0.0	0.0	3.7	14.8	29.5	44.3	70.1	95.9	118.0	62.7
85°	0.0	0.0	0.0	3.7	22.1	40.6	51.6	18.4	11.1	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°	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5
2.5°	7930.8	7834.9	7798.1	7831.3	7820.2	7809.1	8012.0	7967.7	7960.4	8026.8	8012.0
5°	5953.7	5784.0	6248.8	6060.6	6256.1	6374.2	6396.3	6407.4	6543.9	6400.0	6588.1
7.5°	4242.1	4286.3	4282.7	4408.1	4633.1	4832.3	4950.3	4858.1	4850.7	4832.3	4751.1
10°	3390.0	3312.5	3297.8	3268.2	3338.3	3508.0	3651.9	3537.5	3456.4	3567.0	3533.8
12.5°	2770.3	2663.3	2604.3	2486.2	2489.9	2604.3	2604.3	2604.3	2685.4	2748.1	2796.1
15°	2124.7	2036.2	2036.2	1918.2	1892.3	1896.0	1955.0	1962.4	2091.5	2128.4	2146.9
17.5°	1486.6	1438.6	1494.0	1541.9	1512.4	1519.8	1541.9	1549.3	1567.7	1553.0	1589.9
20°	1143.5	1136.1	1150.9	1235.7	1298.4	1335.3	1309.5	1272.6	1250.5	1198.8	1198.8
22.5°	970.1	984.9	1010.7	1080.8	1162.0	1184.1	1154.6	1069.7	1003.3	996.0	999.7
25°	863.2	877.9	918.5	962.8	1007.0	1043.9	1014.4	951.7	914.8	881.6	881.6
27.5°	796.8	804.2	826.3	859.5	896.4	925.9	914.8	881.6	841.0	826.3	793.1
30°	745.1	756.2	782.0	789.4	822.6	837.4	818.9	811.5	785.7	767.3	756.2
32.5°	719.3	715.6	734.1	741.4	745.1	756.2	734.1	745.1	741.4	711.9	700.9
35°	542.2	571.8	619.7	660.3	671.4	686.1	682.4	667.7	627.1	593.9	553.3
37.5°	486.9	505.4	531.2	564.4	608.6	627.1	619.7	582.8	534.9	512.7	505.4
40°	450.0	461.1	483.2	505.4	549.6	582.8	557.0	523.8	486.9	468.5	457.4
42.5°	416.8	420.5	431.6	453.7	486.9	538.6	494.3	450.0	435.3	424.2	416.8
45°	379.9	379.9	394.7	405.8	442.7	490.6	446.3	405.8	398.4	391.0	387.3
47.5°	350.4	354.1	361.5	376.3	405.8	439.0	409.5	376.3	357.8	354.1	346.7
50°	313.5	317.2	332.0	346.7	383.6	402.1	383.6	346.7	328.3	317.2	317.2
52°	284.0	295.1	309.9	339.4	365.2	394.7	372.6	332.0	309.9	298.8	291.4
52.5°	280.3	287.7	302.5	335.7	365.2	391.0	368.9	328.3	302.5	295.1	287.7
55°	250.8	261.9	287.7	328.3	361.5	391.0	361.5	324.6	287.7	269.3	261.9
57.5°	239.8	247.1	280.3	332.0	357.8	391.0	361.5	324.6	287.7	254.5	247.1
60°	228.7	243.5	280.3	320.9	354.1	394.7	365.2	320.9	280.3	239.8	239.8
62.5°	217.6	228.7	276.7	313.5	339.4	379.9	350.4	313.5	269.3	228.7	225.0
65°	188.1	206.6	243.5	261.9	291.4	328.3	298.8	273.0	236.1	202.9	199.2
67.5°	143.9	151.2	180.7	202.9	221.3	254.5	239.8	206.6	180.7	154.9	154.9
70°	99.6	107.0	129.1	140.2	158.6	177.1	166.0	140.2	121.7	107.0	103.3
72.5°	70.1	73.8	81.2	88.5	95.9	103.3	99.6	81.2	70.1	66.4	62.7
75°	55.3	62.7	66.4	62.7	59.0	55.3	55.3	48.0	40.6	36.9	36.9
77.5°	55.3	59.0	55.3	48.0	40.6	36.9	33.2	29.5	22.1	18.4	22.1
80°	48.0	48.0	48.0	40.6	36.9	33.2	29.5	25.8	22.1	18.4	18.4
82.5°	51.6	51.6	48.0	40.6	40.6	33.2	33.2	29.5	25.8	18.4	18.4
85°	0.0	0.0	0.0	7.4	18.4	33.2	33.2	29.5	25.8	22.1	22.1
87.5°	0.0	0.0	0.0	0.0	3.7	7.4	14.8	18.4	22.1	22.1	22.1
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°	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5
2.5°	8144.8	8285.0	8550.6	8816.2	8978.5	9170.3	9517.0	9701.5	9941.2	10059.3	10291.7
5°	6562.3	6894.3	7012.3	7314.8	7639.4	7964.0	8480.5	9048.5	9520.7	9845.3	10265.8
7.5°	4788.0	4865.5	5322.9	5525.8	6057.0	6647.2	7351.7	8067.3	8664.9	9196.1	9517.0
10°	3589.2	3873.2	4160.9	4548.2	4976.1	5584.8	6259.8	7049.2	7823.9	8355.1	8760.8
12.5°	2884.6	3109.6	3493.3	3910.1	4437.6	4839.7	5518.4	6300.4	7303.8	7823.9	8358.7
15°	2183.7	2471.5	2906.7	3338.3	3895.3	4319.5	5005.7	5990.6	7281.6	7997.2	8458.3
17.5°	1619.4	1814.9	2205.9	2689.1	3257.2	3854.8	4780.6	5957.4	7528.8	8380.9	8856.7
20°	1239.4	1305.8	1553.0	1984.6	2600.6	3382.6	4415.5	6101.2	8259.1	9314.1	9797.4
22.5°	1003.3	1032.9	1128.8	1427.6	2025.1	2969.5	4242.1	6200.8	9081.7	10431.8	11077.4
25°	874.2	866.9	929.6	1058.7	1582.5	2582.1	4020.8	6577.1	10088.8	11745.0	12324.2
27.5°	796.8	796.8	826.3	918.5	1313.2	2331.3	3880.6	6846.4	11103.2	12899.6	13213.2
30°	756.2	763.6	848.4	877.9	1091.9	2032.5	3648.2	7119.3	12073.3	13637.4	14069.0
32.5°	700.9	671.4	652.9	726.7	918.5	1763.2	3415.8	7233.7	12859.0	14541.1	14910.0
35°	538.6	523.8	545.9	601.3	789.4	1534.5	3157.6	7362.8	13762.8	15588.7	15662.5
37.5°	486.9	483.2	498.0	545.9	664.0	1335.3	2973.1	7329.6	14452.6	16455.6	16256.4
40°	450.0	450.0	461.1	501.7	593.9	1195.2	2781.3	7300.1	15120.3	17429.4	16846.6
42.5°	420.5	420.5	439.0	464.8	564.4	1102.9	2637.5	7259.5	15680.9	18027.0	17193.3
45°	379.9	391.0	420.5	446.3	571.8	1040.2	2530.5	7104.6	15872.8	18019.6	17027.3
47.5°	350.4	365.2	394.7	431.6	516.4	1021.8	2456.7	6968.1	15806.4	17577.0	16507.2
50°	317.2	335.7	376.3	439.0	439.0	984.9	2379.3	7089.8	15758.4	17233.9	16009.2
52°	295.1	309.9	361.5	427.9	383.6	907.4	2331.3	7325.9	15953.9	17189.7	15787.9
52.5°	291.4	302.5	350.4	420.5	365.2	892.7	2298.1	7381.2	16016.6	17079.0	15939.2
55°	258.2	273.0	320.9	328.3	298.8	734.1	2191.1	7506.6	15706.8	16861.4	15795.3
57.5°	243.5	250.8	284.0	269.3	258.2	553.3	1885.0	7311.1	13950.9	14976.4	14696.0
60°	225.0	232.4	265.6	210.3	217.6	387.3	1416.5	6348.4	11202.8	12479.1	12984.5
62.5°	217.6	213.9	250.8	169.7	184.4	280.3	999.7	5160.6	8631.7	10273.2	11147.5
65°	191.8	188.1	180.7	143.9	158.6	217.6	597.6	3367.8	6082.8	7772.2	8251.8
67.5°	147.6	154.9	132.8	114.4	132.8	169.7	332.0	1508.7	3190.8	4662.6	5049.9
70°	103.3	110.7	107.0	99.6	118.0	140.2	191.8	516.4	1320.6	2449.3	2700.2
72.5°	62.7	77.5	81.2	84.8	103.3	121.7	136.5	166.0	350.4	866.9	1077.1
75°	36.9	51.6	62.7	73.8	84.8	103.3	114.4	118.0	121.7	162.3	261.9
77.5°	25.8	36.9	55.3	70.1	84.8	103.3	121.7	129.1	121.7	114.4	121.7
80°	22.1	36.9	51.6	66.4	88.5	107.0	121.7	121.7	118.0	103.3	110.7
82.5°	22.1	36.9	55.3	70.1	84.8	103.3	118.0	121.7	110.7	103.3	107.0
85°	25.8	40.6	59.0	73.8	92.2	84.8	77.5	62.7	59.0	48.0	51.6
87.5°	25.8	36.9	36.9	40.6	44.3	44.3	44.3	40.6	33.2	29.5	29.5
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: P532631

CATALOG NUMBER: GALN-SA8A-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5	9428.5
2.5°	10302.7	10597.8	10586.8	10594.1	10549.9	10251.1	10107.2	9742.0	9845.3	9801.1
5°	10697.4	10988.8	11239.7	11210.2	10870.8	10465.0	9863.8	9295.7	9140.8	8912.1
7.5°	10302.7	11003.6	11236.0	11202.8	10701.1	10181.0	9221.9	8653.8	8384.6	8233.3
10°	9675.6	10487.2	10774.9	10833.9	10494.5	9705.1	8823.5	7912.4	7768.5	7506.6
12.5°	9317.8	9908.0	10085.1	10243.7	10125.7	9535.5	8521.1	7646.8	7447.6	7274.2
15°	9026.4	9376.8	9450.6	9631.4	9701.5	9384.2	8679.7	7934.5	7443.9	7425.5
17.5°	9295.7	9151.8	8882.6	8937.9	9159.2	9387.9	9089.1	8502.6	8026.8	7967.7
20°	9742.0	9107.6	8498.9	8635.4	8819.8	9520.7	9708.8	9295.7	9022.7	8871.5
22.5°	10254.8	9185.0	8377.2	8443.6	8794.0	9819.5	10712.2	10483.5	9974.4	9756.8
25°	11202.8	9399.0	8473.1	8517.4	8996.9	10236.3	11619.6	11789.3	11486.8	11442.6
27.5°	12128.7	9952.3	8683.4	8583.8	9100.2	10642.1	12169.2	13080.4	12549.2	12445.9
30°	12600.8	10402.3	8996.9	8827.2	9528.1	10889.2	12501.2	13921.4	13456.6	13408.7
32.5°	13323.8	10811.8	9240.4	9022.7	9767.9	11195.4	13120.9	14839.9	14389.9	14150.1
35°	13626.3	11258.1	9775.2	9520.7	10454.0	11623.3	13438.2	15658.8	15518.6	15286.2
37.5°	14209.1	11737.7	10406.0	10391.3	11283.9	12180.3	14009.9	16772.8	16747.0	16344.9
40°	14257.1	12261.5	11402.0	11866.8	12567.6	13150.5	14511.6	17082.7	17503.2	17230.2
42.5°	14330.9	13180.0	13124.6	13508.3	14109.5	13984.1	14530.1	17156.5	17798.3	17636.0
45°	14364.1	14098.5	14876.8	15585.0	15835.9	15076.0	14356.7	17016.3	17953.2	17547.5
47.5°	14098.5	14887.9	16293.3	17661.8	17735.6	15747.3	14282.9	16872.4	18045.4	17776.2
50°	14135.4	15382.2	17518.0	18742.6	18473.3	16341.2	14168.6	16783.9	17997.5	17816.7
52°	14046.8	15393.2	17691.3	18720.5	18532.4	16012.9	13973.0	16444.5	17953.2	18082.3
52.5°	14146.4	15326.8	17510.6	18735.2	18491.8	16175.2	13947.2	16632.6	17979.0	17717.1
55°	13803.4	14537.4	16451.9	16972.0	16935.1	14681.3	13154.1	16009.2	17304.0	17307.7
57.5°	12475.4	12600.8	12903.3	12892.2	12722.6	11542.2	11250.7	14721.9	15426.4	15042.8
60°	10992.5	9225.6	8410.4	8078.4	7890.3	7698.5	9952.3	13467.7	13534.1	13371.8
62.5°	9498.6	6396.3	5311.8	5219.6	5263.9	5964.7	9620.3	12969.7	12571.3	12220.9
65°	7665.3	4662.6	3858.4	3736.7	4168.3	4924.5	7787.0	9944.9	9332.6	9041.2
67.5°	4813.8	3401.0	2608.0	2379.3	2899.4	3390.0	5116.3	6248.8	5562.7	5160.6
70°	2855.1	1899.7	1180.4	1058.7	1191.5	1807.5	2866.2	3117.0	2578.4	2371.9
72.5°	1125.1	697.2	328.3	280.3	291.4	634.5	1055.0	1029.2	778.3	693.5
75°	302.5	210.3	114.4	92.2	77.5	118.0	169.7	110.7	40.6	51.6
77.5°	140.2	125.4	99.6	77.5	59.0	44.3	22.1	7.4	7.4	3.7
80°	121.7	107.0	92.2	77.5	59.0	36.9	18.4	3.7	3.7	3.7
82.5°	114.4	99.6	84.8	70.1	55.3	36.9	18.4	3.7	0.0	0.0
85°	48.0	62.7	70.1	66.4	59.0	36.9	18.4	3.7	0.0	0.0
87.5°	25.8	22.1	18.4	14.8	11.1	7.4	7.4	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

(END OF REPORT)