

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: P532214

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36470 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

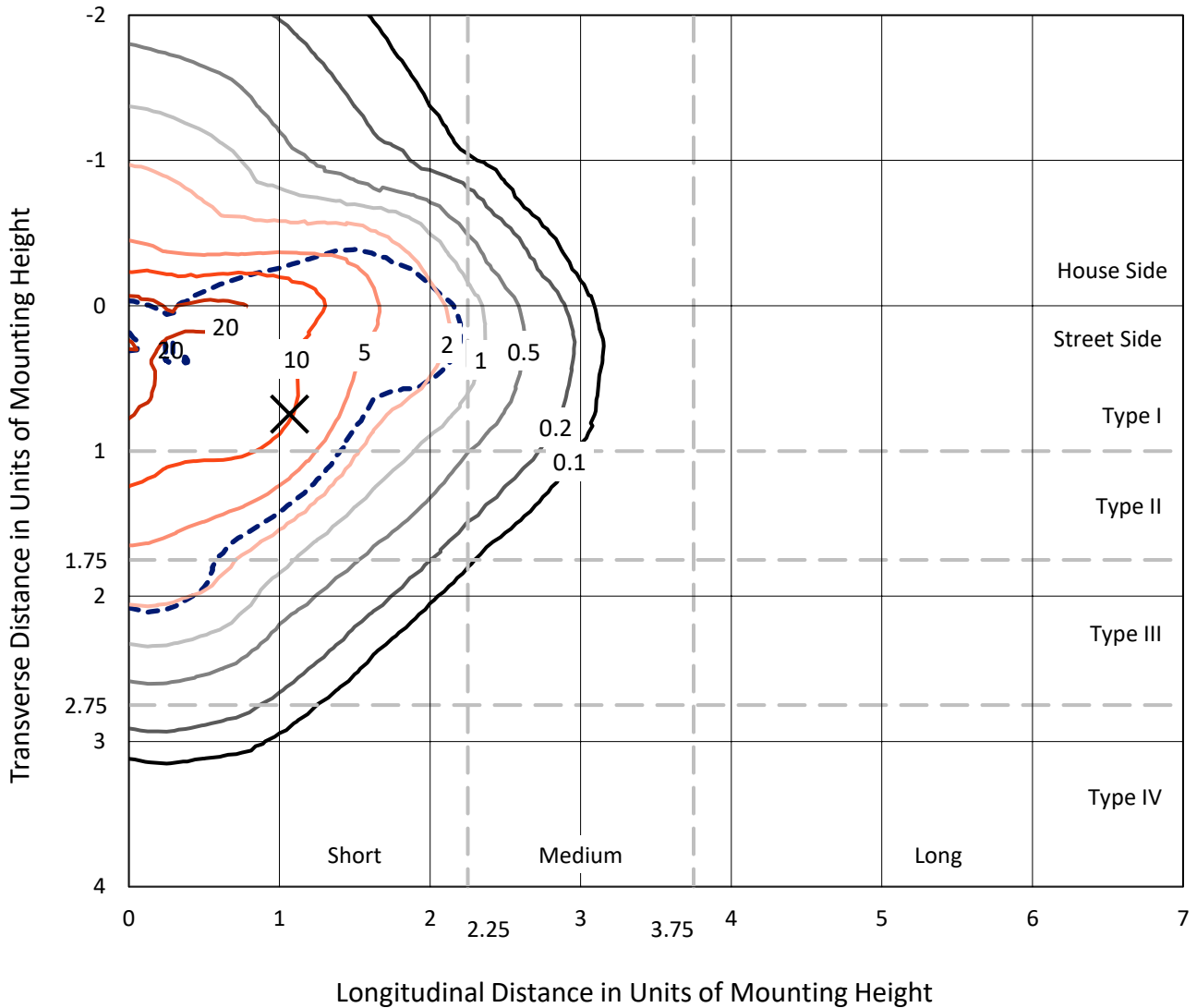
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

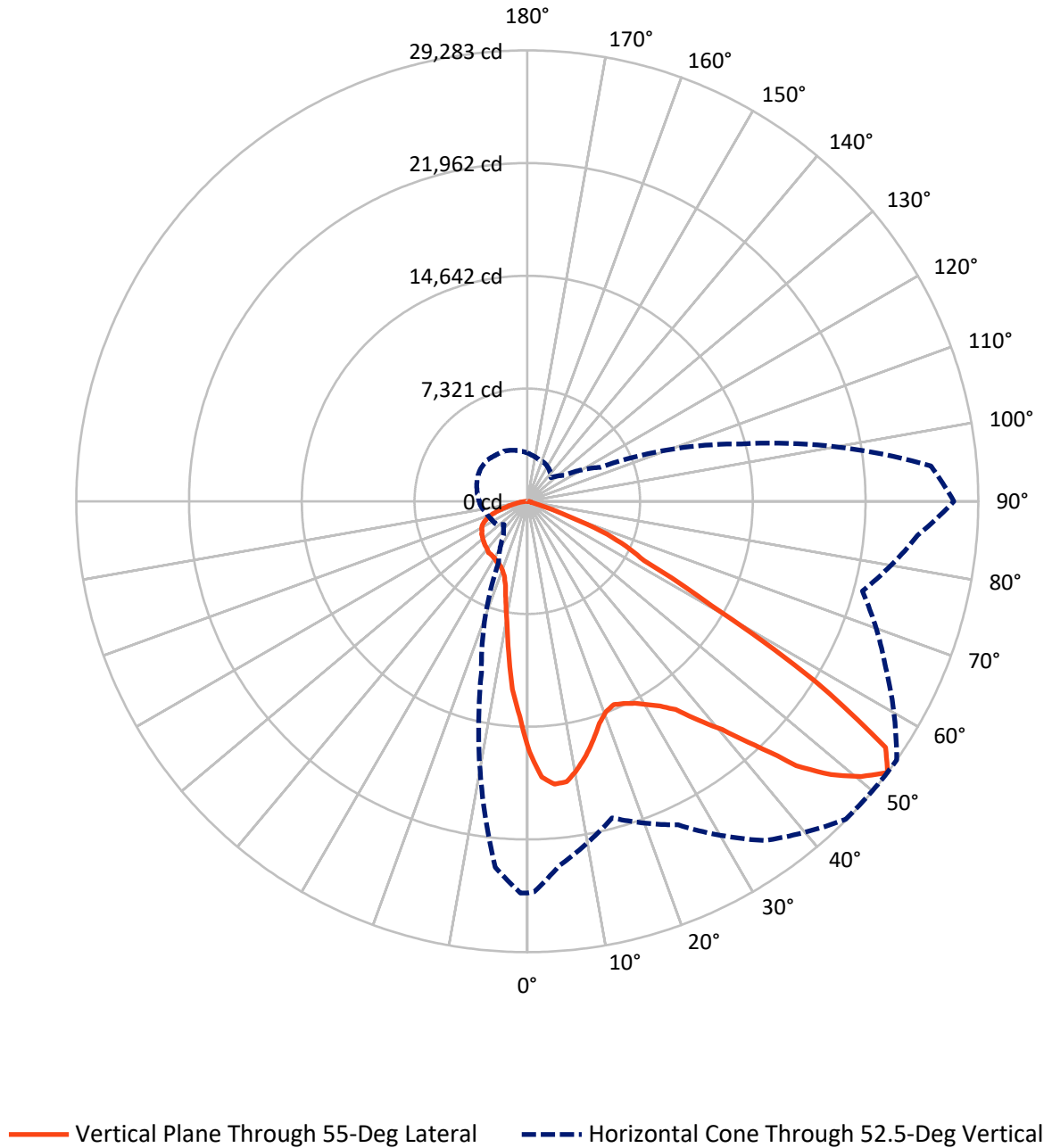
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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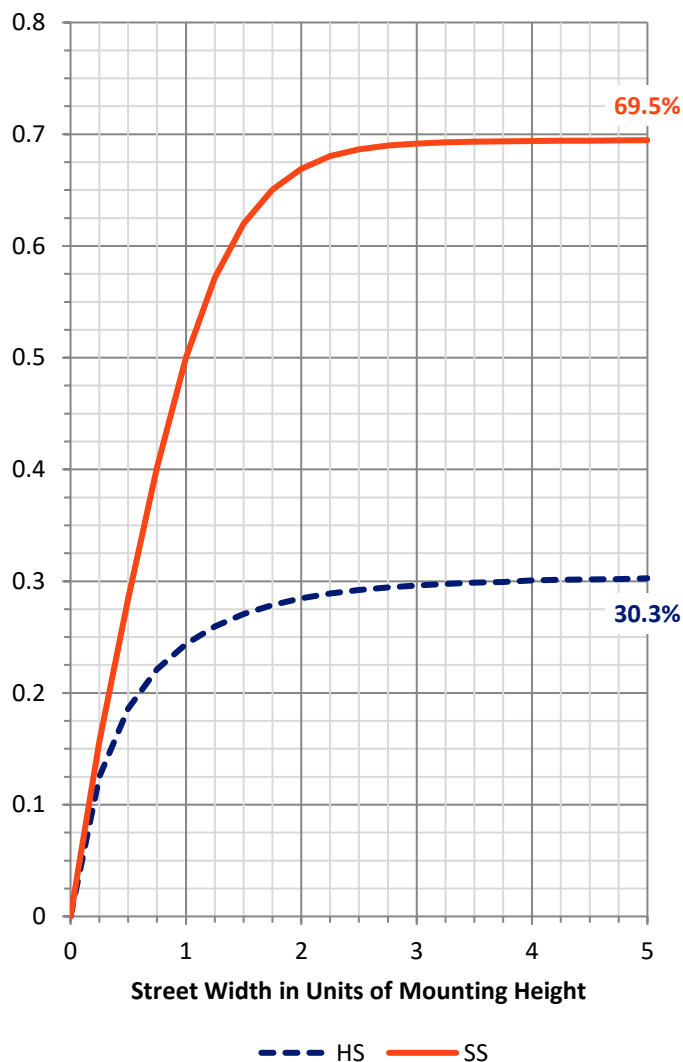
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11125.3	0.0	11125.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	25344.7	0.0	25344.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	36470.0	0.0	36470.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1242.9	3.4
10°-20°	2679.8	7.3
20°-30°	4063.5	11.1
30°-40°	5871.1	16.1
40°-50°	7845.4	21.5
50°-60°	8757.2	24.0
60°-70°	4803.7	13.2
70°-80°	1038.6	2.8
80°-90°	168.0	0.5
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°	36470.0	100.0
0°-180°	36470.0	100.0



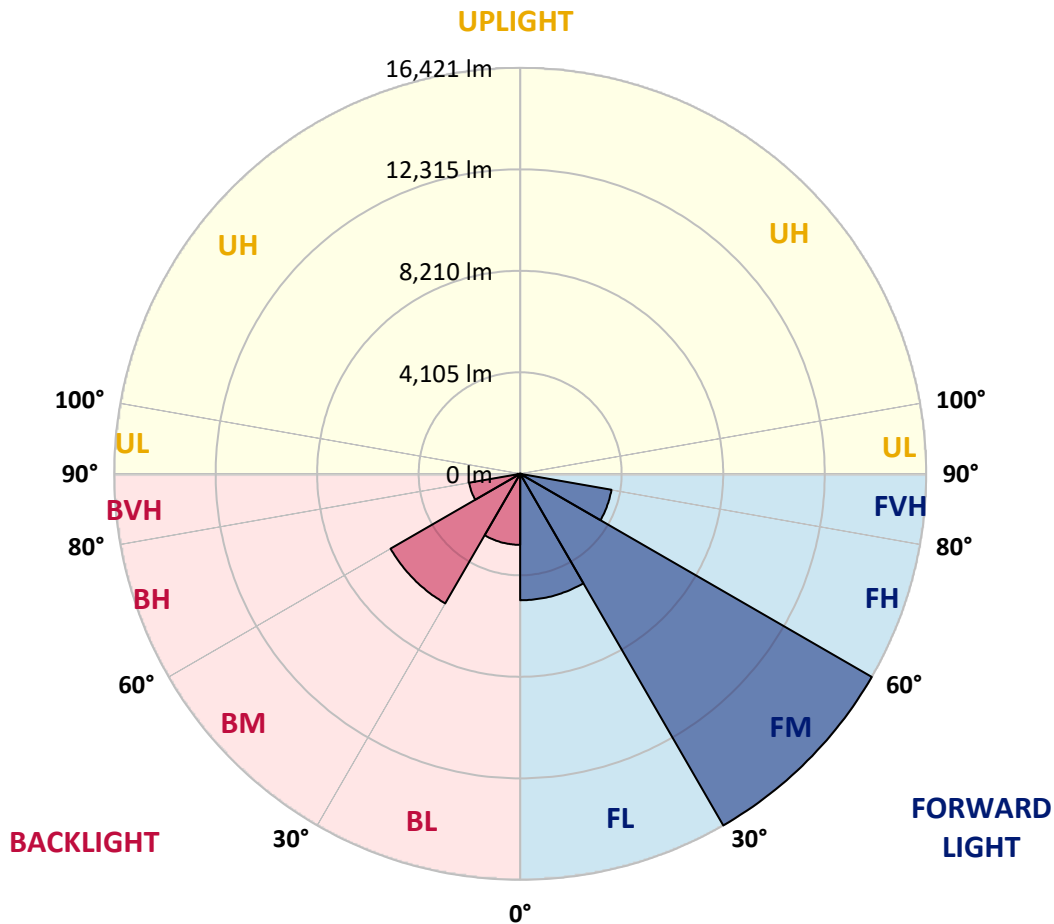
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5113.8	14.0			
FM (30°-60°)	16420.5	45.0			
FH (60°-80°)	3748.2	10.3			G2/5000
FVH (80°-90°)	62.2	0.2			G1/100
BL (0°-30°)	2872.4	7.9	B4/5000		
BM (30°-60°)	6053.1	16.6	B4/8500		
BH (60°-80°)	2094.0	5.7	B3/2500		G3/2500
BVH (80°-90°)	105.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4
2.5°	17072.5	16976.7	17061.9	17466.6	17700.9	17860.7	17961.9	17945.9	17562.5	17189.7	17189.7
5°	16572.0	16449.5	16625.2	17541.2	18462.4	18542.3	18675.4	18457.1	17892.6	17211.0	16359.0
7.5°	15123.5	15214.1	15506.9	16710.4	17908.6	18510.3	18670.1	18393.2	17477.3	16204.5	14953.1
10°	13872.1	14085.1	14761.4	16060.8	17163.1	17945.9	18121.6	17732.9	17008.6	15448.4	14330.1
12.5°	13440.8	13307.6	14058.5	15357.8	16412.2	16832.9	16912.8	16939.4	16449.5	15064.9	13701.7
15°	13387.5	13472.7	14058.5	15043.6	15693.3	15714.6	15847.8	16055.4	16119.3	15325.9	13994.6
17.5°	14154.3	14053.2	14654.9	15437.7	15128.9	14820.0	14851.9	15150.2	15677.3	15549.5	14915.8
20°	15288.6	15517.6	15991.5	15911.7	15080.9	14298.1	14303.4	14585.7	15624.1	16476.1	16199.2
22.5°	17173.7	17397.4	17748.8	16785.0	15080.9	14143.7	13962.6	14346.0	15964.9	17578.4	17647.7
25°	18893.8	19303.8	19399.7	18265.4	15837.1	14287.5	14170.3	14548.4	16305.7	18654.1	19309.1
27.5°	20459.4	20608.5	21029.2	19218.6	16257.8	14383.3	14372.7	14857.3	16737.1	19192.0	20794.8
30°	21694.8	21678.8	21918.5	19820.3	16928.8	14921.2	14404.6	15320.6	17301.5	20081.3	22168.7
32.5°	22536.2	22717.2	23223.1	20656.4	17211.0	15432.4	15027.7	15863.7	17988.5	20502.0	23137.9
35°	24016.6	24330.8	23691.7	21119.7	18105.6	15938.3	15464.3	16603.9	18329.3	20959.9	24325.4
37.5°	25411.8	25172.2	24522.5	21370.0	18686.1	16875.5	16433.5	18036.4	19389.0	21955.7	25113.6
40°	26306.4	26301.1	25145.5	21572.3	19096.1	18308.0	18281.4	19490.2	20688.3	22584.1	25997.6
42.5°	26695.2	27067.9	25401.1	21551.0	19958.8	20044.0	20581.8	21662.9	21609.6	22711.9	25976.3
44°	27227.7	27451.3	25843.1	21599.0	20533.9	21215.5	22482.9	23169.9	22413.7	22642.7	25949.6
45°	27206.4	27222.3	25214.8	21662.9	21023.8	22195.4	23329.6	24490.5	23122.0	22493.6	26301.1
47.5°	26583.3	26402.3	24682.2	21188.9	22552.2	24783.4	25832.5	26535.4	23995.3	22174.1	25864.4
50°	25353.2	25145.5	23388.2	20986.6	22871.7	26391.6	27840.1	28095.7	24788.7	21859.9	25433.1
52.5°	25438.4	25379.8	23755.7	21290.1	23191.2	26897.5	29219.3	29283.2	25688.7	22520.2	25438.4
55°	26961.4	26759.1	24810.0	21668.2	22956.9	26306.4	28340.6	28228.8	25385.2	22120.8	25907.0
57.5°	24671.6	24804.7	23350.9	20171.8	20091.9	21385.9	22280.6	22003.7	21183.6	19964.1	24101.8
60°	19905.5	20283.6	20422.1	16870.2	15160.8	14495.2	14228.9	13739.0	13877.4	16401.6	21172.9
62.5°	17072.5	17051.2	17919.2	15293.9	9931.5	8541.6	8413.8	8525.6	10123.2	16146.0	20736.3
65°	13536.6	13898.7	14165.0	12961.5	7860.0	6342.3	6337.0	7045.2	8759.9	13494.0	16742.4
67.5°	8594.8	9068.8	9399.0	8291.3	5256.0	4515.8	4393.3	5245.3	6070.7	8850.5	10080.6
70°	4845.9	5069.6	5218.7	4782.0	3344.2	2343.1	2204.6	2407.0	3669.1	5729.9	5974.9
72.5°	1869.1	1970.3	2172.7	2188.7	1262.1	756.2	612.4	734.9	1544.3	2268.5	2162.0
75°	287.6	308.9	436.7	521.9	362.1	276.9	292.9	303.5	431.3	585.8	489.9
77.5°	138.5	138.5	133.1	154.4	181.1	197.0	213.0	234.3	255.6	282.2	271.6
80°	90.5	90.5	90.5	106.5	133.1	159.8	181.1	191.7	202.4	223.7	213.0
82.5°	58.6	58.6	58.6	79.9	106.5	133.1	143.8	170.4	191.7	223.7	207.7
85°	32.0	32.0	32.0	53.3	79.9	111.8	106.5	85.2	47.9	5.3	10.7
87.5°	10.7	10.7	10.7	10.7	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°	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4
2.5°	16742.4	16497.4	16476.1	15975.6	15528.2	15309.9	15134.2	14644.3	14750.8	14468.5	14463.2
5°	15933.0	15432.4	14623.0	13957.3	13291.7	13158.5	12578.1	12072.2	12088.2	11726.1	11790.0
7.5°	14479.2	14133.0	13147.9	12104.1	11220.2	10591.8	10043.3	9713.1	9292.4	9148.7	9074.1
10°	13557.9	13131.9	12024.3	10714.3	9723.8	9388.3	8861.1	8568.2	8136.9	7923.9	7774.8
12.5°	13153.2	12530.2	11145.6	9814.3	9154.0	8807.9	8360.5	7828.0	7316.8	7119.8	6848.2
15°	13195.8	12450.3	10890.0	9452.2	8658.8	7987.8	7588.4	6997.3	6475.4	6129.3	5932.3
17.5°	13840.2	12934.9	11007.2	9175.3	8035.7	7194.3	6411.5	5772.5	5357.1	5096.2	5032.3
20°	15363.2	14133.0	11204.2	8728.0	7412.7	6363.6	5399.7	4734.1	4414.6	4409.3	4414.6
22.5°	16630.6	15411.1	11603.6	8461.7	6789.6	5298.6	4340.0	4127.0	4063.1	4196.2	4212.2
25°	18339.9	16848.9	12290.5	8323.3	6214.5	4515.8	3924.7	3844.8	3839.5	4009.9	4015.2
27.5°	20091.9	18105.6	12700.6	7918.6	5628.7	4111.0	3674.4	3658.4	3743.6	3924.7	3908.7
30°	21284.8	19160.0	13440.8	7434.0	4936.4	3754.3	3573.2	3594.5	3711.7	3850.1	3871.4
32.5°	22674.6	20198.4	13632.5	7167.7	4510.4	3456.0	3328.2	3376.2	3525.3	3743.6	3860.8
35°	24266.9	20933.3	13925.4	6805.6	4350.7	3227.1	3163.2	3216.4	3397.5	3541.2	3669.1
37.5°	25443.7	22232.6	13978.6	6523.4	4174.9	3099.3	2998.1	3173.8	3280.3	3482.7	3546.6
40°	26317.1	23175.2	14117.1	6347.6	4036.5	2934.2	2934.2	3051.3	3195.1	3381.5	3509.3
42.5°	26876.2	23862.2	14218.2	6187.9	3770.2	2886.3	2859.6	2976.8	3168.5	3349.5	3408.1
44°	27217.0	24155.0	14117.1	6038.8	3695.7	2827.7	2827.7	2928.9	3078.0	3291.0	3360.2
45°	27302.2	24522.5	13893.4	6033.4	3605.2	2758.4	2747.8	2939.5	3040.7	3301.6	3344.2
47.5°	27632.4	24975.1	13920.0	5863.0	3386.8	2593.4	2779.7	2864.9	2955.5	3184.5	3328.2
50°	27621.7	25257.4	13861.5	5612.7	3227.1	2407.0	2715.8	2811.7	2902.2	3136.5	3195.1
52.5°	27696.3	26311.7	14399.3	5213.4	2939.5	2167.4	2502.8	2715.8	2827.7	3024.7	3147.2
55°	27659.0	26913.5	14931.8	4915.1	2534.8	2023.6	2321.8	2572.1	2731.8	2939.5	2998.1
57.5°	25262.7	23787.6	13818.9	4356.0	2098.1	1853.2	2066.2	2423.0	2625.3	2838.3	2912.9
60°	20640.4	18334.6	11395.9	3205.8	1725.4	1704.1	1922.4	2375.0	2460.2	2646.6	2774.4
62.5°	19074.8	16082.1	9036.8	2449.6	1475.1	1560.3	1773.3	2146.0	2279.2	2508.2	2625.3
65°	14926.5	10682.3	5596.8	1656.1	1299.3	1400.5	1602.9	1879.8	2098.1	2311.1	2449.6
67.5°	8839.8	5836.4	2769.1	1160.9	1134.3	1240.8	1448.5	1656.1	1906.4	2140.7	2210.0
70°	4814.0	2870.3	1182.2	884.0	963.9	1059.7	1262.1	1405.8	1645.5	1826.5	1943.7
72.5°	1544.3	873.3	591.1	655.0	734.9	846.7	969.2	1144.9	1315.3	1421.8	1517.7
75°	372.8	367.4	420.7	458.0	532.5	617.7	718.9	809.4	942.6	1043.7	1128.9
77.5°	260.9	282.2	324.8	378.1	404.7	436.7	500.6	569.8	628.4	702.9	756.2
80°	202.4	218.3	250.3	276.9	303.5	330.2	362.1	388.7	426.0	473.9	500.6
82.5°	191.7	202.4	234.3	250.3	239.6	234.3	255.6	266.3	271.6	287.6	303.5
85°	16.0	0.0	10.7	37.3	90.5	133.1	143.8	143.8	138.5	149.1	149.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	21.3	16.0
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°	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4
2.5°	14399.3	14218.2	14287.5	14372.7	14250.2	13968.0	14042.5	14010.6	14298.1	14276.8	14564.4
5°	12072.2	11790.0	11821.9	12237.3	12104.1	12247.9	11960.4	11923.1	11976.3	12003.0	12050.9
7.5°	9239.2	9201.9	9521.4	9872.9	10038.0	9867.6	9585.3	9521.4	9462.9	9345.7	9612.0
10°	7540.5	7551.1	7529.8	7796.1	7982.5	7945.2	7774.8	7753.5	7641.6	7599.0	7748.1
12.5°	6731.0	6587.3	6518.0	6432.8	6576.6	6672.5	6597.9	6544.7	6550.0	6603.2	6624.5
15°	5948.2	5857.7	5708.6	5612.7	5682.0	5634.0	5607.4	5713.9	5687.3	5676.6	5804.5
17.5°	5069.6	5144.1	5133.5	5027.0	5117.5	5080.2	5074.9	5000.3	4899.2	4824.6	4867.2
20°	4489.1	4627.6	4734.1	4739.4	4787.3	4782.0	4702.1	4473.2	4398.6	4382.6	4393.3
22.5°	4281.4	4356.0	4483.8	4664.9	4664.9	4579.7	4483.8	4217.5	4148.3	4073.8	4041.8
25°	4116.4	4260.1	4425.2	4446.5	4531.7	4451.9	4297.4	4164.3	4020.5	3919.3	3919.3
27.5°	4031.2	4190.9	4313.4	4350.7	4467.8	4403.9	4244.2	4073.8	3903.4	3898.0	3807.5
30°	3993.9	4143.0	4222.9	4313.4	4366.7	4265.5	4217.5	4036.5	3866.1	3823.5	3674.4
32.5°	3882.1	4095.1	4244.2	4222.9	4265.5	4222.9	4153.6	4004.5	3812.8	3717.0	3701.0
35°	3754.3	3967.3	4127.0	4238.8	4265.5	4174.9	4132.3	3930.0	3669.1	3621.1	3456.0
37.5°	3685.0	3812.8	4009.9	4190.9	4228.2	4180.3	4036.5	3828.8	3567.9	3514.6	3370.8
40°	3599.8	3764.9	3919.3	4068.4	4180.3	4063.1	3898.0	3695.7	3578.5	3418.8	3376.2
42.5°	3535.9	3722.3	3850.1	4015.2	4143.0	3988.6	3796.9	3658.4	3493.3	3386.8	3264.3
44°	3514.6	3685.0	3770.2	3972.6	4079.1	3961.9	3802.2	3658.4	3466.7	3370.8	3264.3
45°	3440.1	3674.4	3764.9	3946.0	4036.5	3940.6	3738.3	3594.5	3456.0	3338.9	3227.1
47.5°	3365.5	3525.3	3679.7	3823.5	3887.4	3855.4	3685.0	3509.3	3344.2	3275.0	3168.5
50°	3344.2	3504.0	3647.8	3780.9	3855.4	3791.5	3637.1	3466.7	3275.0	3163.2	3072.6
52.5°	3237.7	3434.7	3594.5	3637.1	3733.0	3695.7	3578.5	3392.1	3211.1	3115.2	3040.7
55°	3083.3	3291.0	3509.3	3562.5	3701.0	3642.4	3466.7	3291.0	3136.5	2992.8	2896.9
57.5°	3024.7	3227.1	3440.1	3509.3	3594.5	3498.6	3456.0	3269.7	3024.7	2950.2	2801.0
60°	2875.6	3131.2	3306.9	3466.7	3472.0	3445.4	3370.8	3157.8	2955.5	2817.0	2710.5
62.5°	2758.4	2998.1	3136.5	3285.6	3376.2	3301.6	3227.1	3030.0	2811.7	2657.3	2534.8
65°	2588.0	2806.4	2923.5	3014.1	3115.2	3104.6	2976.8	2833.0	2604.0	2481.5	2364.4
67.5°	2327.1	2518.8	2678.6	2763.8	2827.7	2811.7	2715.8	2614.7	2380.4	2257.9	2172.7
70°	2012.9	2210.0	2311.1	2359.1	2423.0	2454.9	2380.4	2332.4	2124.7	1965.0	1885.1
72.5°	1618.9	1746.7	1895.8	1938.4	1965.0	1986.3	1986.3	1943.7	1730.7	1666.8	1528.3
75°	1192.8	1294.0	1405.8	1405.8	1453.8	1459.1	1469.8	1443.1	1283.4	1198.2	1166.2
77.5°	809.4	884.0	974.5	1011.8	1043.7	1038.4	1033.1	958.5	873.3	836.1	804.1
80°	527.2	601.7	644.3	692.3	724.2	718.9	729.6	676.3	639.0	575.1	585.8
82.5°	314.2	372.8	415.4	473.9	473.9	489.9	489.9	473.9	436.7	404.7	404.7
85°	149.1	197.0	223.7	260.9	282.2	287.6	255.6	218.3	181.1	165.1	181.1
87.5°	26.6	37.3	53.3	47.9	58.6	53.3	53.3	53.3	53.3	42.6	47.9
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: P532214

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4	16268.4
2.5°	14457.9	14724.1	14910.5	15219.4	15751.9	16177.9	16614.6	16939.4	16976.7	17072.5
5°	12226.6	12370.4	12844.3	13462.1	13898.7	14617.6	15080.9	15922.3	16236.5	16572.0
7.5°	9548.1	9782.4	10416.1	10831.4	11790.0	12689.9	13621.8	14660.2	15075.6	15123.5
10°	8051.7	8392.5	8823.8	9489.5	10011.3	11012.5	12173.4	13328.9	13792.2	13872.1
12.5°	7071.8	7508.5	8083.6	8562.9	9063.5	9936.8	11049.8	12476.9	13078.7	13440.8
15°	6129.3	6581.9	7215.6	7881.3	8323.3	9367.0	10677.0	12285.2	13068.0	13387.5
17.5°	5160.1	5580.8	6102.7	6821.6	7710.9	8882.4	10618.4	12924.2	13781.6	14154.3
20°	4329.4	4563.7	5170.8	5911.0	7023.9	8387.2	10639.7	13866.8	15123.5	15288.6
22.5°	4004.5	4057.8	4297.4	4979.0	6198.5	7881.3	11017.8	15203.4	16630.6	17173.7
25°	3754.3	3743.6	3807.5	4265.5	5596.8	7684.2	11390.6	16433.5	18302.7	18893.8
27.5°	3615.8	3509.3	3514.6	3946.0	5170.8	7364.7	11869.8	17844.7	20198.4	20459.4
30°	3546.6	3525.3	3461.4	3637.1	4707.5	6885.5	11949.7	19234.6	21316.7	21694.8
32.5°	3504.0	3296.3	3216.4	3280.3	4270.8	6363.6	12247.9	20150.5	22701.3	22536.2
35°	3291.0	3104.6	3051.3	3115.2	3961.9	6070.7	12050.9	20949.3	23739.7	24016.6
37.5°	3211.1	3046.0	2939.5	2886.3	3674.4	5825.8	11949.7	22179.4	24746.1	25411.8
40°	3136.5	2960.8	2833.0	2779.7	3450.7	5500.9	11917.8	23127.3	25907.0	26306.4
42.5°	3051.3	2939.5	2795.7	2699.9	3179.1	5176.1	11550.3	23420.2	26263.8	26695.2
44°	3024.7	2854.3	2705.2	2673.2	3072.6	5011.0	11475.8	23686.4	26572.7	27227.7
45°	2998.1	2838.3	2667.9	2625.3	3035.4	4920.5	11374.6	23750.3	27083.9	27206.4
47.5°	2923.5	2822.3	2657.3	2540.1	2955.5	4723.4	11071.1	23388.2	26562.0	26583.3
50°	2864.9	2747.8	2577.4	2348.4	2849.0	4558.4	11209.5	23255.1	25305.3	25353.2
52.5°	2801.0	2625.3	2529.5	2135.4	2673.2	4419.9	11502.4	23856.8	25449.1	25438.4
55°	2726.5	2534.8	2300.5	1954.3	2380.4	4244.2	12210.6	25044.3	26780.4	26961.4
57.5°	2609.3	2444.3	2108.8	1794.6	2044.9	3908.7	11981.7	22770.5	24639.6	24671.6
60°	2454.9	2300.5	1911.7	1672.1	1677.4	3083.3	10714.3	17743.5	19442.3	19905.5
62.5°	2305.8	2220.6	1746.7	1496.4	1427.1	2454.9	9058.1	14745.4	16689.1	17072.5
65°	2130.1	1922.4	1602.9	1363.2	1224.8	1720.0	6416.8	11017.8	13020.1	13536.6
67.5°	1906.4	1682.8	1411.2	1198.2	1049.1	1150.2	3312.3	6262.4	8291.3	8594.8
70°	1666.8	1459.1	1187.5	1011.8	846.7	793.5	1459.1	2987.4	4531.7	4845.9
72.5°	1368.6	1176.9	947.9	798.8	633.7	548.5	489.9	798.8	1608.2	1869.1
75°	990.5	857.4	713.6	569.8	447.3	351.5	287.6	239.6	266.3	287.6
77.5°	729.6	623.0	527.2	404.7	314.2	250.3	197.0	149.1	143.8	138.5
80°	569.8	505.9	420.7	324.8	245.0	186.4	138.5	101.2	90.5	90.5
82.5°	447.3	415.4	346.1	266.3	202.4	149.1	101.2	69.2	58.6	58.6
85°	170.4	170.4	250.3	218.3	154.4	106.5	69.2	37.3	32.0	32.0
87.5°	42.6	42.6	42.6	42.6	37.3	32.0	32.0	16.0	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)