

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: P527508

Luminaire Tested: **GALN-SA2C-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527508
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-SA2C-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 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: 9808 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

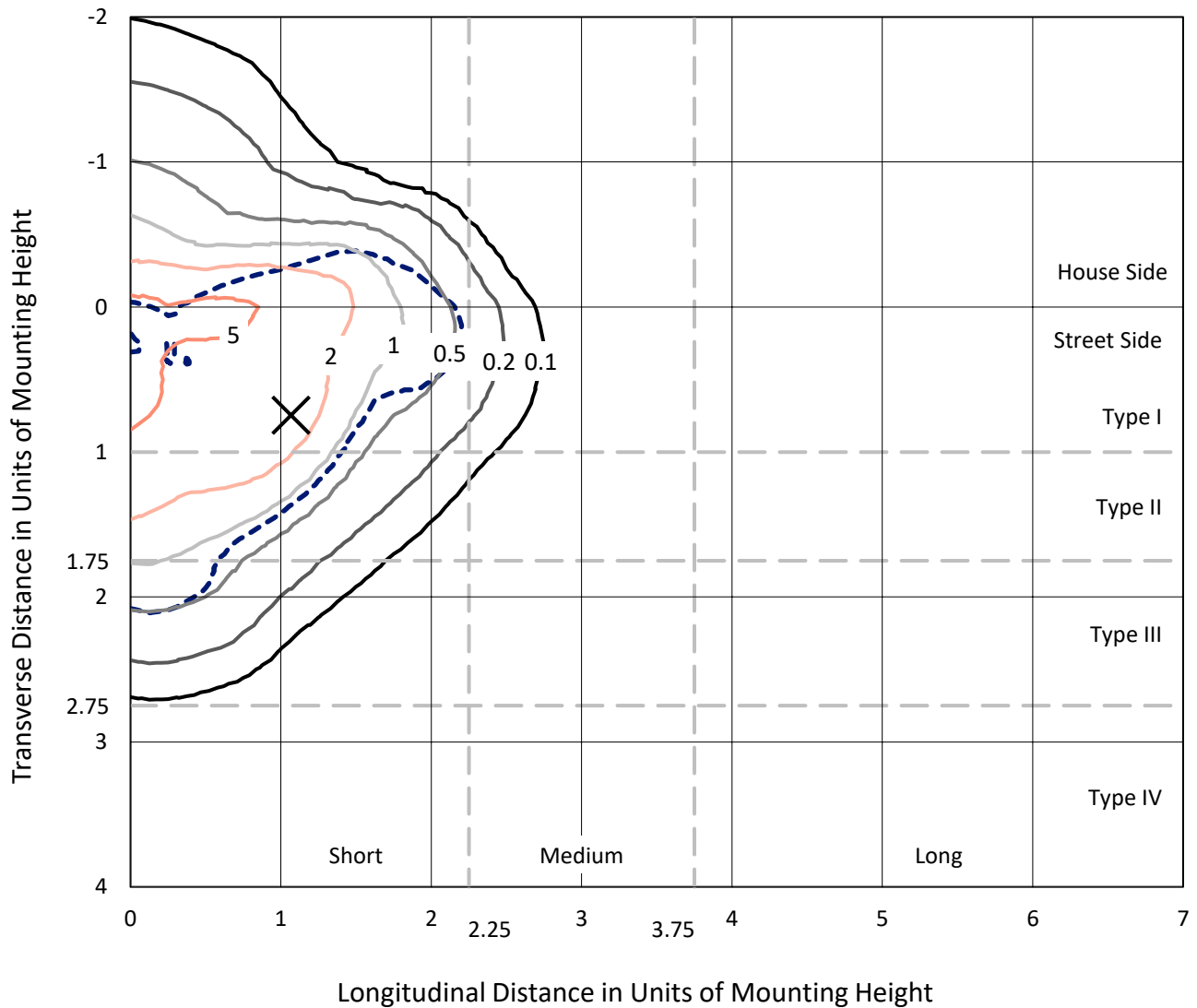
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

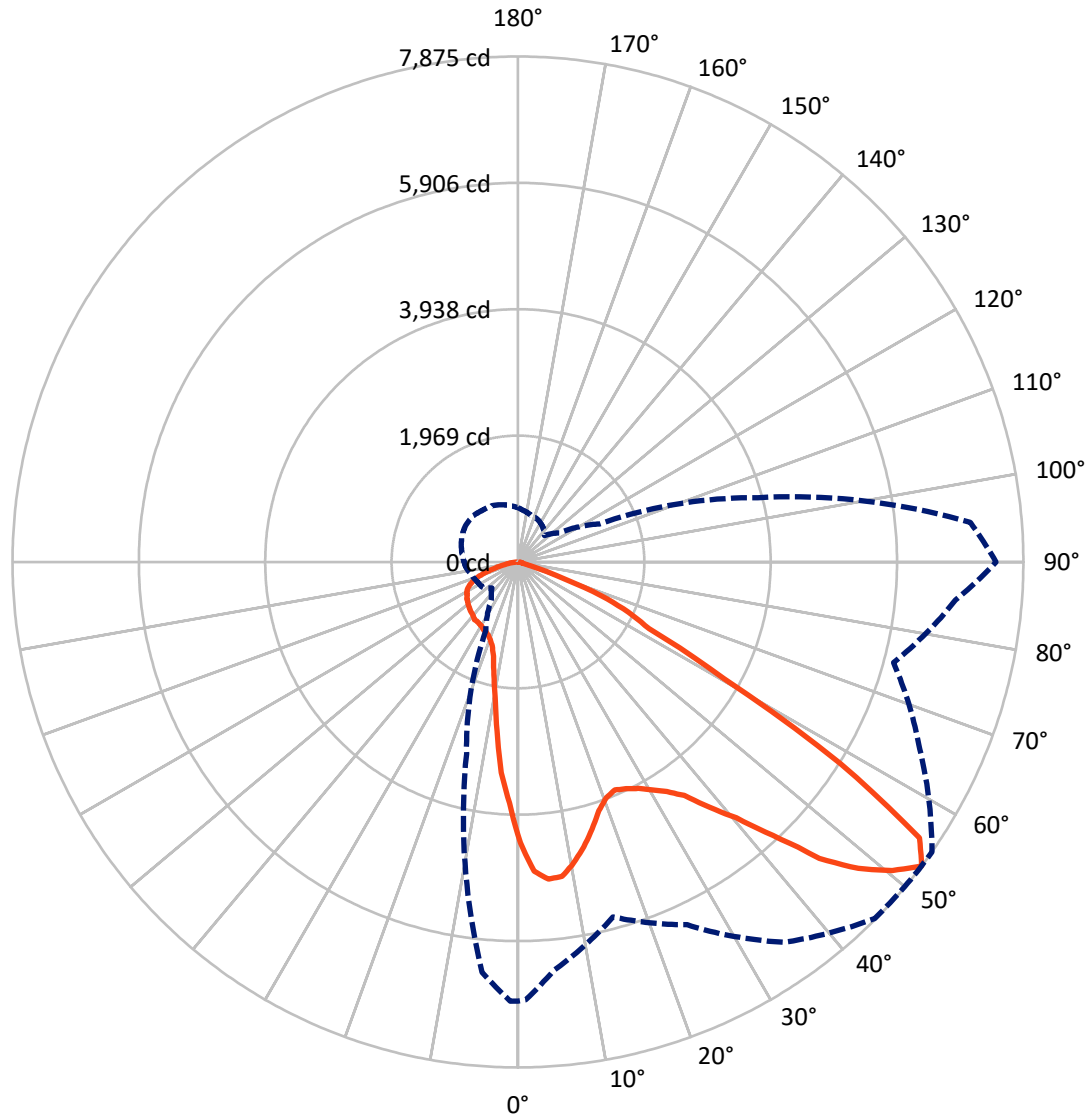
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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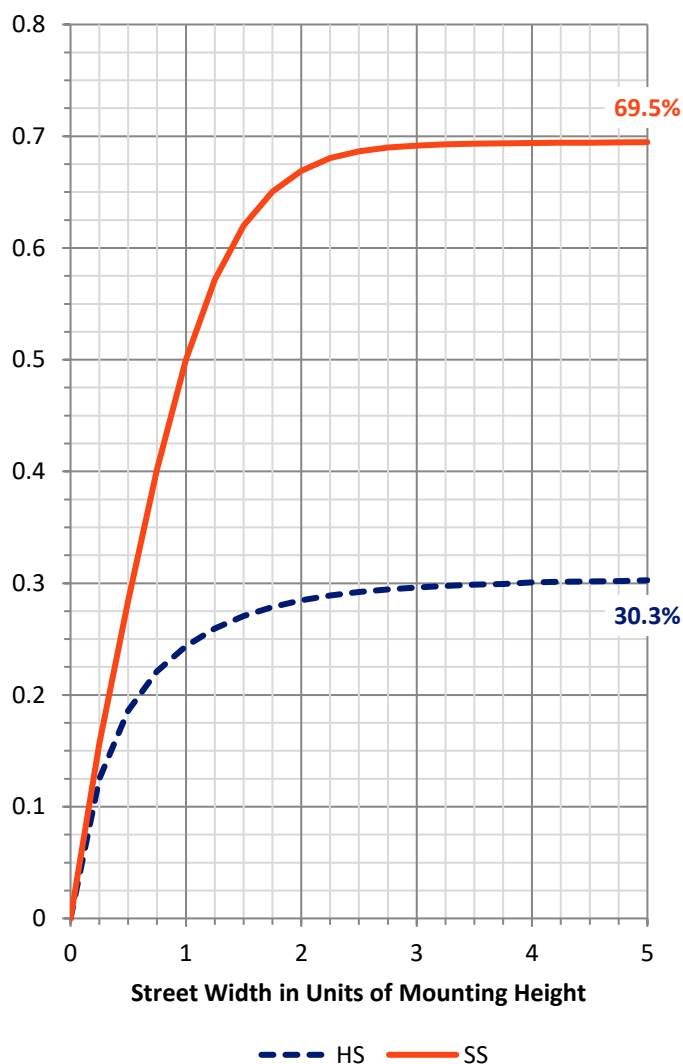
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2992.0	0.0	2992.0
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	6816.0	0.0	6816.0
	% Fixture	69.5	0.0	69.5
Total	Lumens	9808.0	0.0	9808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.3	3.4
10°-20°	720.7	7.3
20°-30°	1092.8	11.1
30°-40°	1578.9	16.1
40°-50°	2109.9	21.5
50°-60°	2355.1	24.0
60°-70°	1291.9	13.2
70°-80°	279.3	2.8
80°-90°	45.2	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°	9808.0	100.0
0°-180°	9808.0	100.0

Coefficient of Utilization



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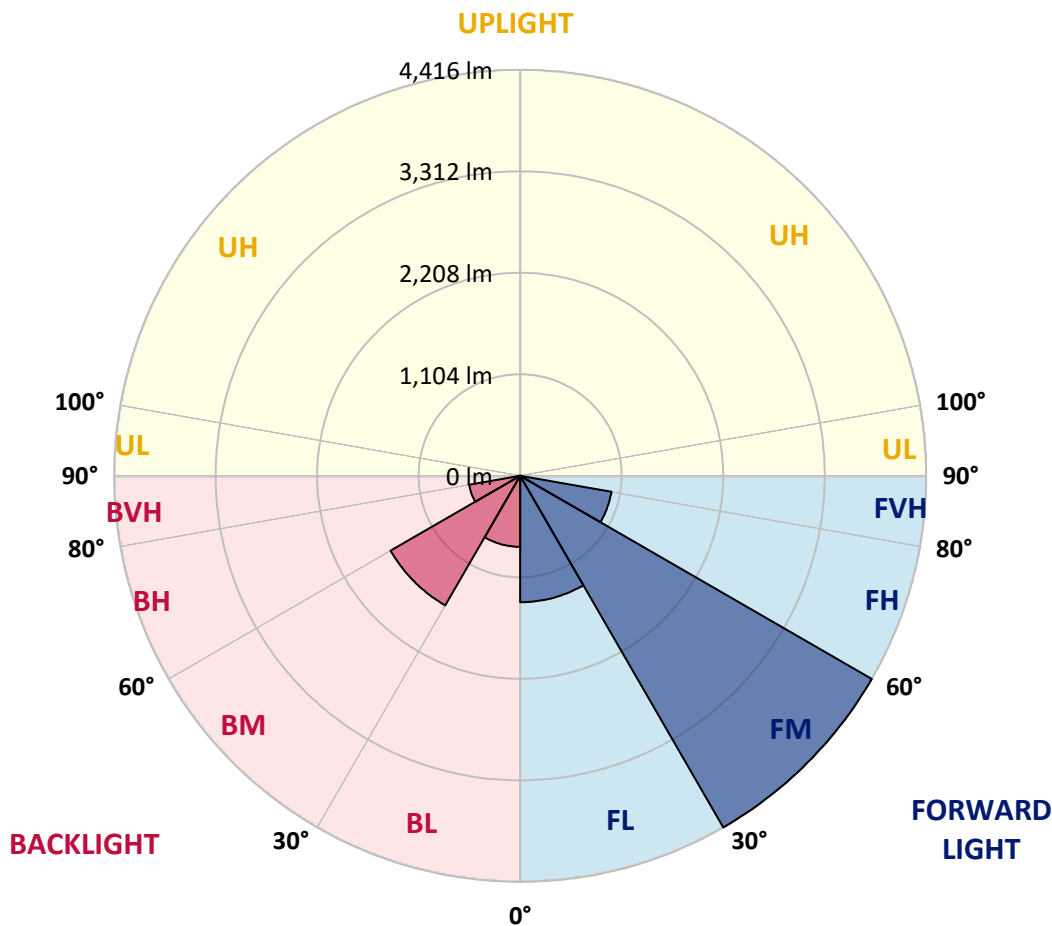
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1375.3	14.0			
FM (30°-60°)	4416.0	45.0			
FH (60°-80°)	1008.0	10.3			G1/1800
FVH (80°-90°)	16.7	0.2			G1/100
BL (0°-30°)	772.5	7.9	B2/1000		
BM (30°-60°)	1627.9	16.6	B2/2500		
BH (60°-80°)	563.2	5.7	B2/1000		G2/1000
BVH (80°-90°)	28.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1
2.5°	4591.4	4565.6	4588.5	4697.4	4760.4	4803.3	4830.5	4826.2	4723.1	4622.9	4622.9
5°	4456.8	4423.8	4471.1	4717.4	4965.2	4986.6	5022.4	4963.7	4811.9	4628.6	4399.5
7.5°	4067.2	4091.6	4170.3	4494.0	4816.2	4978.0	5021.0	4946.5	4700.2	4357.9	4021.4
10°	3730.7	3788.0	3969.8	4319.3	4615.7	4826.2	4873.5	4769.0	4574.2	4154.6	3853.8
12.5°	3614.7	3578.9	3780.8	4130.2	4413.8	4526.9	4548.4	4555.6	4423.8	4051.5	3684.8
15°	3600.3	3623.3	3780.8	4045.7	4220.5	4226.2	4262.0	4317.8	4335.0	4121.6	3763.6
17.5°	3806.6	3779.4	3941.2	4151.7	4068.7	3985.6	3994.2	4074.4	4216.2	4181.8	4011.4
20°	4111.6	4173.2	4300.7	4279.2	4055.8	3845.2	3846.7	3922.6	4201.8	4431.0	4356.5
22.5°	4618.6	4678.7	4773.3	4514.0	4055.8	3803.7	3755.0	3858.1	4293.5	4727.4	4746.0
25°	5081.2	5191.4	5217.2	4912.2	4259.1	3842.4	3810.9	3912.6	4385.2	5016.7	5192.9
27.5°	5502.2	5542.3	5655.4	5168.5	4372.3	3868.2	3865.3	3995.6	4501.2	5161.4	5592.4
30°	5834.5	5830.2	5894.6	5330.4	4552.7	4012.8	3873.9	4120.2	4653.0	5400.5	5961.9
32.5°	6060.7	6109.4	6245.5	5555.2	4628.6	4150.3	4041.4	4266.3	4837.7	5513.7	6222.6
35°	6458.9	6543.4	6371.5	5679.8	4869.2	4286.3	4158.9	4465.4	4929.4	5636.8	6541.9
37.5°	6834.1	6769.6	6594.9	5747.1	5025.3	4538.4	4419.5	4850.6	5214.3	5904.6	6753.9
40°	7074.7	7073.2	6762.5	5801.5	5135.6	4923.6	4916.5	5241.6	5563.8	6073.6	6991.6
42.5°	7179.2	7279.5	6831.2	5795.8	5367.6	5390.5	5535.1	5825.9	5811.5	6108.0	6985.9
44°	7322.4	7382.6	6950.1	5808.7	5522.3	5705.6	6046.4	6231.2	6027.8	6089.4	6978.7
45°	7316.7	7321.0	6781.1	5825.9	5654.0	5969.1	6274.1	6586.3	6218.3	6049.3	7073.2
47.5°	7149.1	7100.5	6637.9	5698.4	6065.0	6665.1	6947.2	7136.3	6453.1	5963.3	6955.8
50°	6818.3	6762.5	6289.9	5644.0	6151.0	7097.6	7487.1	7555.9	6666.5	5878.9	6839.8
52.5°	6841.2	6825.5	6388.7	5725.6	6236.9	7233.6	7858.0	7875.2	6908.5	6056.4	6841.2
55°	7250.8	7196.4	6672.2	5827.3	6173.9	7074.7	7621.7	7591.7	6826.9	5949.0	6967.3
57.5°	6635.0	6670.8	6279.8	5424.9	5403.4	5751.4	5992.0	5917.5	5697.0	5369.0	6481.8
60°	5353.3	5454.9	5492.2	4537.0	4077.2	3898.2	3826.6	3694.9	3732.1	4410.9	5694.1
62.5°	4591.4	4585.6	4819.1	4113.0	2670.9	2297.1	2262.7	2292.8	2722.5	4342.2	5576.7
65°	3640.4	3737.8	3809.4	3485.8	2113.8	1705.7	1704.2	1894.7	2355.8	3629.0	4502.6
67.5°	2311.4	2438.9	2527.7	2229.8	1413.5	1214.4	1181.5	1410.6	1632.6	2380.2	2711.0
70°	1303.2	1363.4	1403.5	1286.0	899.4	630.1	592.9	647.3	986.7	1541.0	1606.8
72.5°	502.7	529.9	584.3	588.6	339.4	203.4	164.7	197.6	415.3	610.1	581.4
75°	77.3	83.1	117.4	140.3	97.4	74.5	78.8	81.6	116.0	157.5	131.8
77.5°	37.2	37.2	35.8	41.5	48.7	53.0	57.3	63.0	68.7	75.9	73.0
80°	24.3	24.3	24.3	28.6	35.8	43.0	48.7	51.6	54.4	60.1	57.3
82.5°	15.8	15.8	15.8	21.5	28.6	35.8	38.7	45.8	51.6	60.1	55.9
85°	8.6	8.6	8.6	14.3	21.5	30.1	28.6	22.9	12.9	1.4	2.9
87.5°	2.9	2.9	2.9	2.9	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°	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1
2.5°	4502.6	4436.7	4431.0	4296.4	4176.1	4117.3	4070.1	3938.3	3967.0	3891.1	3889.6
5°	4284.9	4150.3	3932.6	3753.6	3574.6	3538.8	3382.7	3246.6	3250.9	3153.5	3170.7
7.5°	3893.9	3800.8	3535.9	3255.2	3017.5	2848.5	2701.0	2612.2	2499.0	2460.4	2440.3
10°	3646.2	3531.6	3233.7	2881.4	2615.1	2524.8	2383.0	2304.3	2188.3	2131.0	2090.9
12.5°	3537.3	3369.8	2997.4	2639.4	2461.8	2368.7	2248.4	2105.2	1967.7	1914.7	1841.7
15°	3548.8	3348.3	2928.7	2542.0	2328.6	2148.2	2040.8	1881.8	1741.5	1648.4	1595.4
17.5°	3722.1	3478.6	2960.2	2467.5	2161.1	1934.8	1724.3	1552.4	1440.7	1370.5	1353.4
20°	4131.7	3800.8	3013.2	2347.2	1993.5	1711.4	1452.2	1273.2	1187.2	1185.8	1187.2
22.5°	4472.5	4144.6	3120.6	2275.6	1826.0	1425.0	1167.2	1109.9	1092.7	1128.5	1132.8
25°	4932.2	4531.2	3305.3	2238.4	1671.3	1214.4	1055.5	1034.0	1032.6	1078.4	1079.8
27.5°	5403.4	4869.2	3415.6	2129.6	1513.8	1105.6	988.2	983.9	1006.8	1055.5	1051.2
30°	5724.2	5152.8	3614.7	1999.2	1327.6	1009.6	961.0	966.7	998.2	1035.4	1041.2
32.5°	6098.0	5432.0	3666.2	1927.6	1213.0	929.4	895.1	908.0	948.1	1006.8	1038.3
35°	6526.2	5629.7	3745.0	1830.2	1170.0	867.9	850.7	865.0	913.7	952.4	986.7
37.5°	6842.7	5979.1	3759.3	1754.3	1122.8	833.5	806.3	853.5	882.2	936.6	953.8
40°	7077.5	6232.6	3796.6	1707.1	1085.5	789.1	789.1	820.6	859.3	909.4	943.8
42.5°	7227.9	6417.3	3823.8	1664.1	1013.9	776.2	769.0	800.6	852.1	900.8	916.6
44°	7319.6	6496.1	3796.6	1624.0	993.9	760.5	760.5	787.7	827.8	885.1	903.7
45°	7342.5	6594.9	3736.4	1622.6	969.5	741.8	739.0	790.5	817.7	887.9	899.4
47.5°	7431.3	6716.6	3743.6	1576.8	910.8	697.4	747.6	770.5	794.8	856.4	895.1
50°	7428.4	6792.5	3727.8	1509.5	867.9	647.3	730.4	756.2	780.5	843.5	859.3
52.5°	7448.5	7076.1	3872.5	1402.0	790.5	582.9	673.1	730.4	760.5	813.4	846.4
55°	7438.4	7237.9	4015.7	1321.8	681.7	544.2	624.4	691.7	734.7	790.5	806.3
57.5°	6794.0	6397.3	3716.4	1171.5	564.3	498.4	555.7	651.6	706.0	763.3	783.4
60°	5550.9	4930.8	3064.7	862.1	464.0	458.3	517.0	638.7	661.6	711.8	746.1
62.5°	5129.9	4325.0	2430.3	658.8	396.7	419.6	476.9	577.1	612.9	674.5	706.0
65°	4014.2	2872.8	1505.2	445.4	349.4	376.6	431.1	505.5	564.3	621.5	658.8
67.5°	2377.3	1569.6	744.7	312.2	305.0	333.7	389.5	445.4	512.7	575.7	594.3
70°	1294.6	771.9	317.9	237.7	259.2	285.0	339.4	378.1	442.5	491.2	522.7
72.5°	415.3	234.9	159.0	176.2	197.6	227.7	260.6	307.9	353.7	382.4	408.2
75°	100.2	98.8	113.1	123.2	143.2	166.1	193.3	217.7	253.5	280.7	303.6
77.5°	70.2	75.9	87.4	101.7	108.8	117.4	134.6	153.2	169.0	189.0	203.4
80°	54.4	58.7	67.3	74.5	81.6	88.8	97.4	104.5	114.6	127.5	134.6
82.5°	51.6	54.4	63.0	67.3	64.4	63.0	68.7	71.6	73.0	77.3	81.6
85°	4.3	0.0	2.9	10.0	24.3	35.8	38.7	38.7	37.2	40.1	40.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.7	4.3
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°	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1
2.5°	3872.5	3823.8	3842.4	3865.3	3832.4	3756.5	3776.5	3767.9	3845.2	3839.5	3916.8
5°	3246.6	3170.7	3179.3	3291.0	3255.2	3293.9	3216.5	3206.5	3220.8	3228.0	3240.9
7.5°	2484.7	2474.7	2560.6	2655.2	2699.5	2653.7	2577.8	2560.6	2544.9	2513.4	2585.0
10°	2027.9	2030.7	2025.0	2096.6	2146.7	2136.7	2090.9	2085.2	2055.1	2043.6	2083.7
12.5°	1810.2	1771.5	1752.9	1730.0	1768.7	1794.4	1774.4	1760.1	1761.5	1775.8	1781.6
15°	1599.7	1575.3	1535.2	1509.5	1528.1	1515.2	1508.0	1536.7	1529.5	1526.6	1561.0
17.5°	1363.4	1383.4	1380.6	1351.9	1376.3	1366.2	1364.8	1344.8	1317.6	1297.5	1309.0
20°	1207.3	1244.5	1273.2	1274.6	1287.5	1286.0	1264.6	1203.0	1182.9	1178.6	1181.5
22.5°	1151.4	1171.5	1205.8	1254.5	1254.5	1231.6	1205.8	1134.2	1115.6	1095.6	1087.0
25°	1107.0	1145.7	1190.1	1195.8	1218.7	1197.3	1155.7	1119.9	1081.3	1054.0	1054.0
27.5°	1084.1	1127.1	1160.0	1170.0	1201.5	1184.4	1141.4	1095.6	1049.7	1048.3	1024.0
30°	1074.1	1114.2	1135.7	1160.0	1174.3	1147.1	1134.2	1085.5	1039.7	1028.3	988.2
32.5°	1044.0	1101.3	1141.4	1135.7	1147.1	1135.7	1117.1	1077.0	1025.4	999.6	995.3
35°	1009.6	1066.9	1109.9	1140.0	1147.1	1122.8	1111.3	1056.9	986.7	973.8	929.4
37.5°	991.0	1025.4	1078.4	1127.1	1137.1	1124.2	1085.5	1029.7	959.5	945.2	906.5
40°	968.1	1012.5	1054.0	1094.1	1124.2	1092.7	1048.3	993.9	962.4	919.4	908.0
42.5°	950.9	1001.1	1035.4	1079.8	1114.2	1072.7	1021.1	983.9	939.5	910.8	877.9
44°	945.2	991.0	1013.9	1068.4	1097.0	1065.5	1022.5	983.9	932.3	906.5	877.9
45°	925.1	988.2	1012.5	1061.2	1085.5	1059.8	1005.3	966.7	929.4	897.9	867.9
47.5°	905.1	948.1	989.6	1028.3	1045.4	1036.9	991.0	943.8	899.4	880.8	852.1
50°	899.4	942.3	981.0	1016.8	1036.9	1019.7	978.1	932.3	880.8	850.7	826.3
52.5°	870.7	923.7	966.7	978.1	1003.9	993.9	962.4	912.3	863.6	837.8	817.7
55°	829.2	885.1	943.8	958.1	995.3	979.6	932.3	885.1	843.5	804.9	779.1
57.5°	813.4	867.9	925.1	943.8	966.7	940.9	929.4	879.3	813.4	793.4	753.3
60°	773.3	842.1	889.3	932.3	933.7	926.6	906.5	849.2	794.8	757.6	728.9
62.5°	741.8	806.3	843.5	883.6	908.0	887.9	867.9	814.9	756.2	714.6	681.7
65°	696.0	754.7	786.2	810.6	837.8	834.9	800.6	761.9	700.3	667.4	635.9
67.5°	625.8	677.4	720.4	743.3	760.5	756.2	730.4	703.2	640.2	607.2	584.3
70°	541.3	594.3	621.5	634.4	651.6	660.2	640.2	627.3	571.4	528.5	507.0
72.5°	435.4	469.7	509.8	521.3	528.5	534.2	534.2	522.7	465.4	448.3	411.0
75°	320.8	348.0	378.1	378.1	391.0	392.4	395.3	388.1	345.1	322.2	313.6
77.5°	217.7	237.7	262.1	272.1	280.7	279.3	277.8	257.8	234.9	224.8	216.3
80°	141.8	161.8	173.3	186.2	194.8	193.3	196.2	181.9	171.9	154.7	157.5
82.5°	84.5	100.2	111.7	127.5	127.5	131.8	131.8	127.5	117.4	108.8	108.8
85°	40.1	53.0	60.1	70.2	75.9	77.3	68.7	58.7	48.7	44.4	48.7
87.5°	7.2	10.0	14.3	12.9	15.8	14.3	14.3	14.3	14.3	11.5	12.9
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: P527508

CATALOG NUMBER: GALN-SA2C-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1	4375.1
2.5°	3888.2	3959.8	4009.9	4093.0	4236.2	4350.8	4468.2	4555.6	4565.6	4591.4
5°	3288.1	3326.8	3454.3	3620.4	3737.8	3931.2	4055.8	4282.0	4366.5	4456.8
7.5°	2567.8	2630.8	2801.2	2912.9	3170.7	3412.7	3663.4	3942.6	4054.3	4067.2
10°	2165.4	2257.0	2373.0	2552.0	2692.4	2961.6	3273.8	3584.6	3709.2	3730.7
12.5°	1901.9	2019.3	2174.0	2302.8	2437.5	2672.3	2971.6	3355.5	3517.3	3614.7
15°	1648.4	1770.1	1940.5	2119.5	2238.4	2519.1	2871.4	3303.9	3514.4	3600.3
17.5°	1387.7	1500.9	1641.2	1834.5	2073.7	2388.8	2855.6	3475.8	3706.3	3806.6
20°	1164.3	1227.3	1390.6	1589.7	1889.0	2255.6	2861.4	3729.2	4067.2	4111.6
22.5°	1077.0	1091.3	1155.7	1339.0	1667.0	2119.5	2963.1	4088.7	4472.5	4618.6
25°	1009.6	1006.8	1024.0	1147.1	1505.2	2066.5	3063.3	4419.5	4922.2	5081.2
27.5°	972.4	943.8	945.2	1061.2	1390.6	1980.6	3192.2	4799.0	5432.0	5502.2
30°	953.8	948.1	930.9	978.1	1266.0	1851.7	3213.7	5172.8	5732.8	5834.5
32.5°	942.3	886.5	865.0	882.2	1148.6	1711.4	3293.9	5419.1	6105.1	6060.7
35°	885.1	834.9	820.6	837.8	1065.5	1632.6	3240.9	5634.0	6384.4	6458.9
37.5°	863.6	819.2	790.5	776.2	988.2	1566.7	3213.7	5964.8	6655.1	6834.1
40°	843.5	796.3	761.9	747.6	928.0	1479.4	3205.1	6219.7	6967.3	7074.7
42.5°	820.6	790.5	751.9	726.1	855.0	1392.0	3106.3	6298.5	7063.2	7179.2
44°	813.4	767.6	727.5	718.9	826.3	1347.6	3086.2	6370.1	7146.3	7322.4
45°	806.3	763.3	717.5	706.0	816.3	1323.3	3059.0	6387.3	7283.8	7316.7
47.5°	786.2	759.0	714.6	683.1	794.8	1270.3	2977.4	6289.9	7143.4	7149.1
50°	770.5	739.0	693.1	631.6	766.2	1225.9	3014.6	6254.1	6805.4	6818.3
52.5°	753.3	706.0	680.3	574.3	718.9	1188.7	3093.4	6415.9	6844.1	6841.2
55°	733.2	681.7	618.7	525.6	640.2	1141.4	3283.9	6735.3	7202.1	7250.8
57.5°	701.7	657.3	567.1	482.6	549.9	1051.2	3222.3	6123.7	6626.4	6635.0
60°	660.2	618.7	514.1	449.7	451.1	829.2	2881.4	4771.8	5228.7	5353.3
62.5°	620.1	597.2	469.7	402.4	383.8	660.2	2436.0	3965.5	4488.3	4591.4
65°	572.8	517.0	431.1	366.6	329.4	462.6	1725.7	2963.1	3501.5	3640.4
67.5°	512.7	452.5	379.5	322.2	282.1	309.3	890.8	1684.2	2229.8	2311.4
70°	448.3	392.4	319.4	272.1	227.7	213.4	392.4	803.4	1218.7	1303.2
72.5°	368.1	316.5	254.9	214.8	170.4	147.5	131.8	214.8	432.5	502.7
75°	266.4	230.6	191.9	153.2	120.3	94.5	77.3	64.4	71.6	77.3
77.5°	196.2	167.6	141.8	108.8	84.5	67.3	53.0	40.1	38.7	37.2
80°	153.2	136.1	113.1	87.4	65.9	50.1	37.2	27.2	24.3	24.3
82.5°	120.3	111.7	93.1	71.6	54.4	40.1	27.2	18.6	15.8	15.8
85°	45.8	45.8	67.3	58.7	41.5	28.6	18.6	10.0	8.6	8.6
87.5°	11.5	11.5	11.5	11.5	10.0	8.6	8.6	4.3	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)