

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: P527560

Luminaire Tested: **GALN-SA2C-750-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527560
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-750-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 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: 10530 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

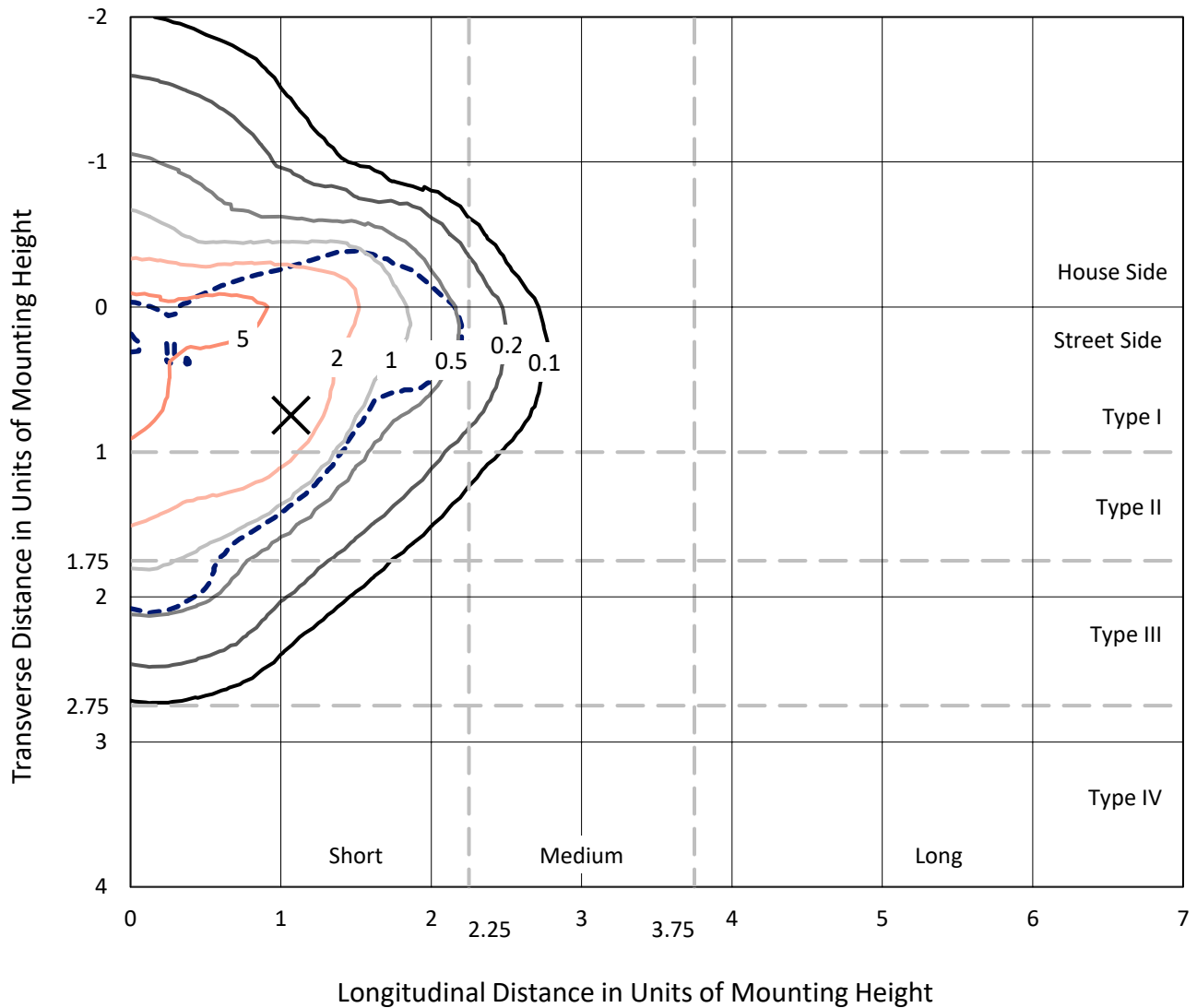
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

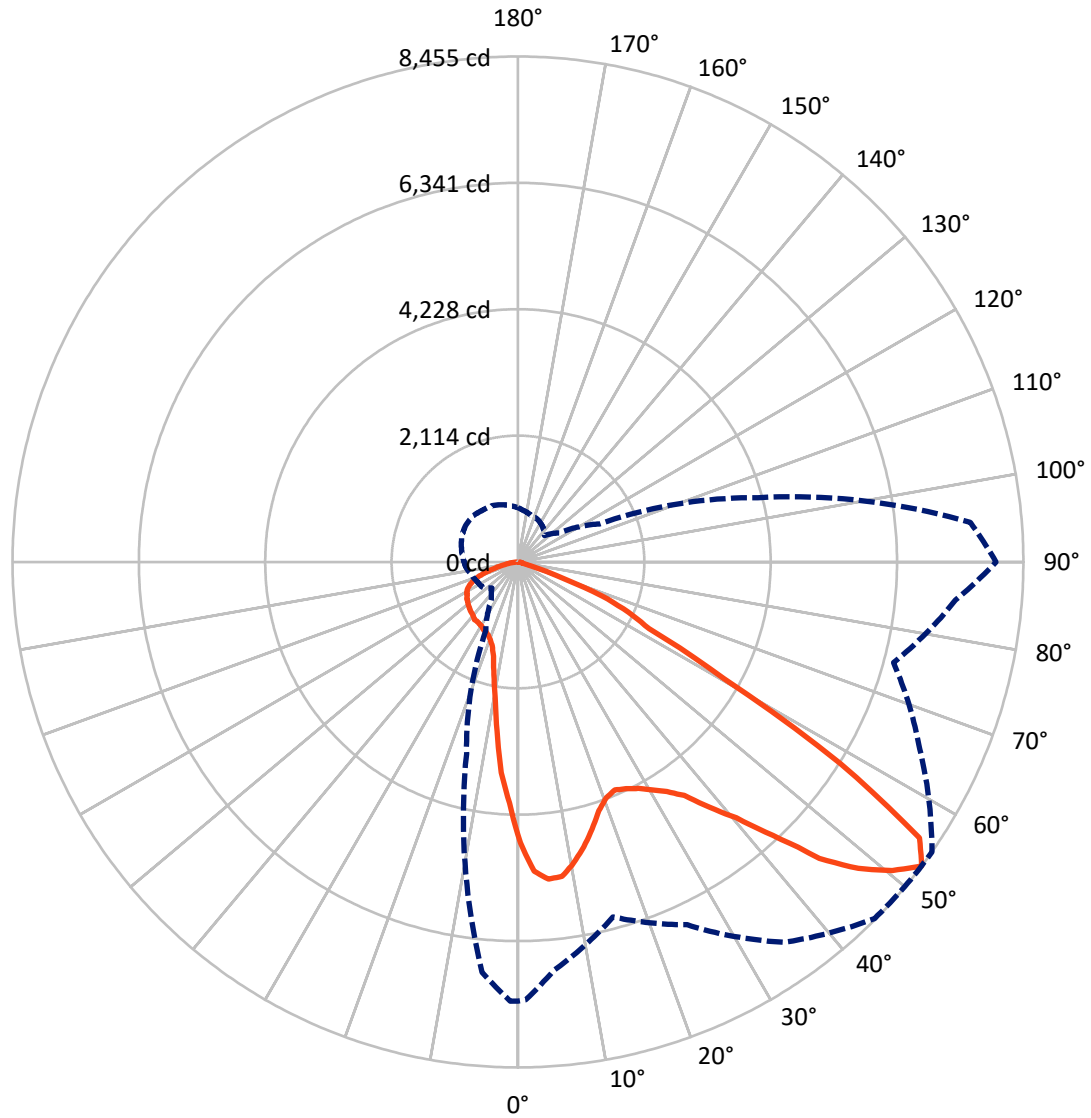
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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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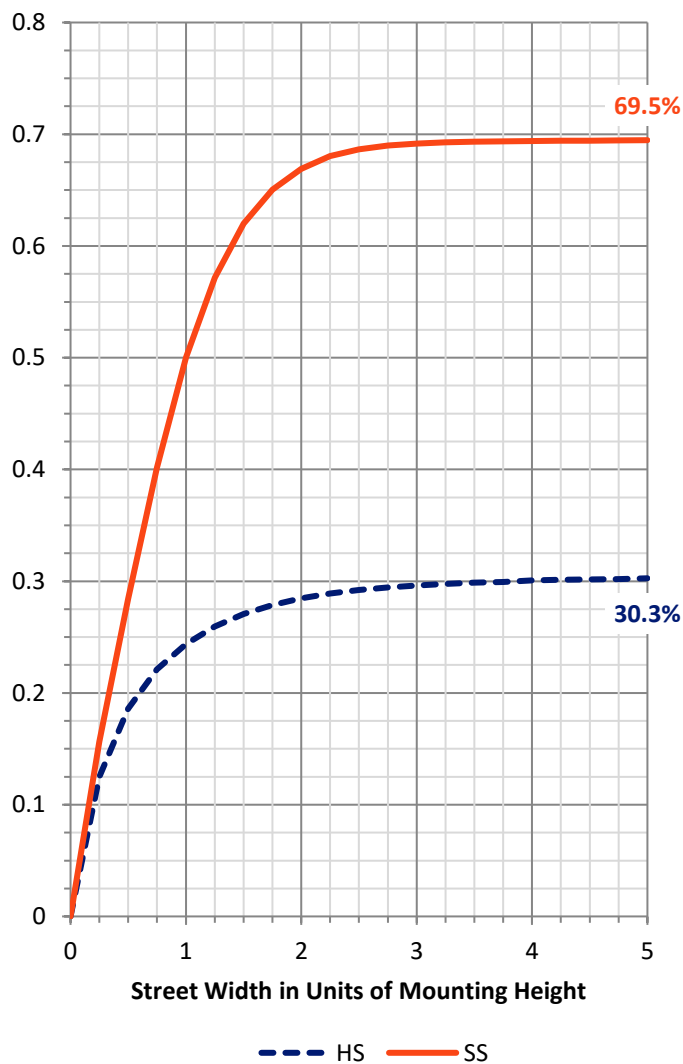
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3212.2	0.0	3212.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	7317.8	0.0	7317.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	10530.0	0.0	10530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.9	3.4
10°-20°	773.7	7.3
20°-30°	1173.2	11.1
30°-40°	1695.2	16.1
40°-50°	2265.2	21.5
50°-60°	2528.5	24.0
60°-70°	1387.0	13.2
70°-80°	299.9	2.8
80°-90°	48.5	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°	10530.0	100.0
0°-180°	10530.0	100.0

Coefficient of Utilization



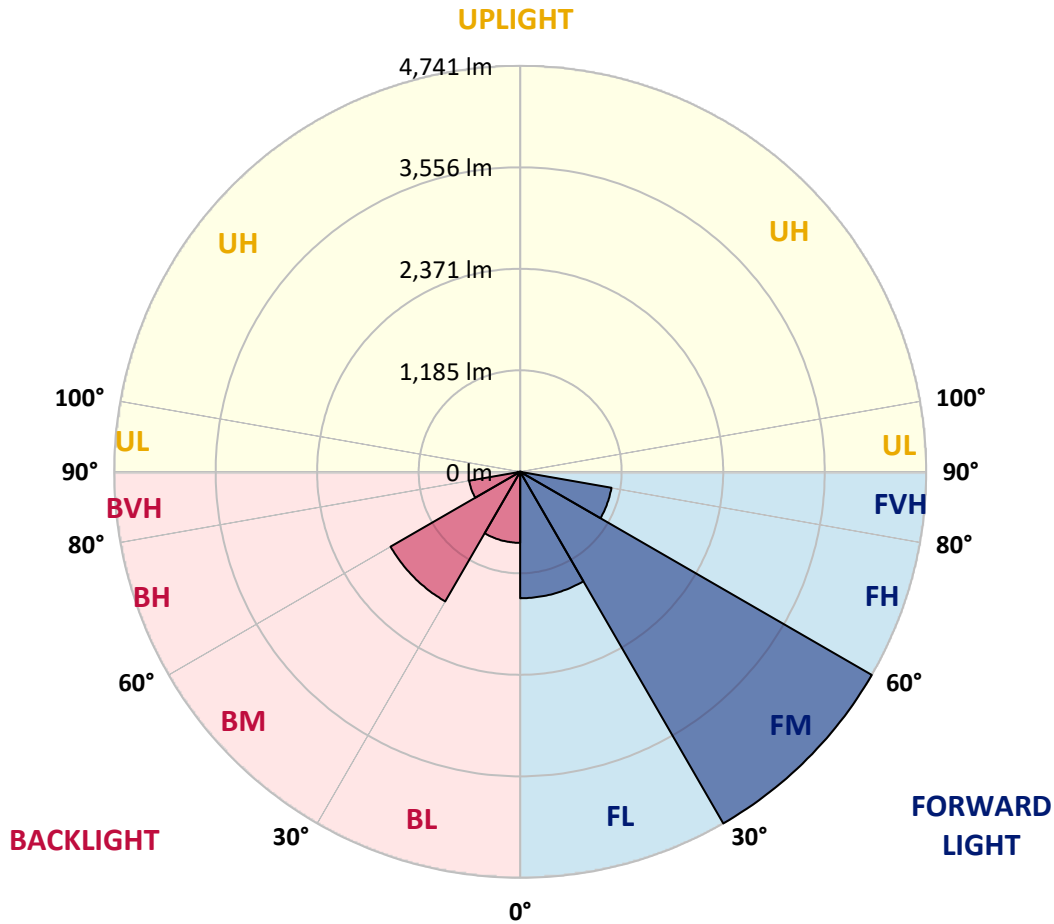
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.5	14.0			
FM (30°-60°)	4741.1	45.0			
FH (60°-80°)	1082.2	10.3			G1/1800
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	829.3	7.9	B2/1000		
BM (30°-60°)	1747.7	16.6	B2/2500		
BH (60°-80°)	604.6	5.7	B2/1000		G2/1000
BVH (80°-90°)	30.6	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°	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2
2.5°	4929.4	4901.7	4926.3	5043.1	5110.8	5156.9	5186.1	5181.5	5070.8	4963.2	4963.2
5°	4784.8	4749.5	4800.2	5064.7	5330.7	5353.7	5392.2	5329.1	5166.1	4969.3	4723.3
7.5°	4366.6	4392.8	4477.3	4824.8	5170.8	5344.5	5390.6	5310.7	5046.2	4678.7	4317.4
10°	4005.3	4066.8	4262.1	4637.2	4955.5	5181.5	5232.3	5120.0	4910.9	4460.4	4137.5
12.5°	3880.8	3842.3	4059.1	4434.3	4738.7	4860.2	4883.2	4890.9	4749.5	4349.7	3956.1
15°	3865.4	3890.0	4059.1	4343.6	4531.1	4537.3	4575.7	4635.7	4654.1	4425.0	4040.7
17.5°	4086.8	4057.6	4231.3	4457.3	4368.2	4279.0	4288.2	4374.3	4526.5	4489.6	4306.7
20°	4414.3	4480.4	4617.2	4594.2	4354.3	4128.3	4129.8	4211.3	4511.2	4757.2	4677.2
22.5°	4958.6	5023.2	5124.6	4846.3	4354.3	4083.7	4031.4	4142.1	4609.6	5075.4	5095.4
25°	5455.2	5573.6	5601.3	5273.8	4572.7	4125.2	4091.4	4200.6	4708.0	5386.0	5575.1
27.5°	5907.2	5950.3	6071.8	5549.0	4694.1	4152.9	4149.8	4289.7	4832.5	5541.3	6004.1
30°	6264.0	6259.3	6328.5	5722.7	4887.8	4308.2	4159.1	4423.5	4995.5	5798.1	6400.8
32.5°	6506.9	6559.2	6705.2	5964.1	4969.3	4455.8	4338.9	4580.3	5193.8	5919.5	6680.6
35°	6934.3	7025.0	6840.5	6097.9	5227.6	4601.9	4465.0	4794.1	5292.2	6051.8	7023.5
37.5°	7337.2	7268.0	7080.4	6170.2	5395.2	4872.5	4744.9	5207.7	5598.2	6339.3	7251.1
40°	7595.5	7593.9	7260.3	6228.6	5513.6	5286.1	5278.4	5627.4	5973.4	6520.7	7506.3
42.5°	7707.7	7815.3	7334.1	6222.4	5762.7	5787.3	5942.6	6254.7	6239.4	6557.6	7500.1
44°	7861.5	7926.0	7461.7	6236.3	5928.8	6125.6	6491.5	6689.9	6471.5	6537.6	7492.4
45°	7855.3	7859.9	7280.3	6254.7	6070.2	6408.5	6736.0	7071.2	6676.0	6494.6	7593.9
47.5°	7675.4	7623.1	7126.5	6117.9	6511.5	7155.7	7458.6	7661.6	6928.2	6402.3	7467.8
50°	7320.2	7260.3	6752.9	6059.5	6603.7	7620.1	8038.3	8112.1	7157.3	6311.6	7343.3
52.5°	7344.8	7327.9	6859.0	6147.1	6696.0	7766.1	8436.5	8455.0	7417.1	6502.3	7344.8
55°	7784.6	7726.2	7163.4	6256.3	6628.3	7595.5	8182.8	8150.5	7329.5	6387.0	7480.1
57.5°	7123.4	7161.9	6742.1	5824.2	5801.2	6174.8	6433.1	6353.1	6116.3	5764.2	6958.9
60°	5747.3	5856.5	5896.5	4870.9	4377.4	4185.2	4108.3	3966.9	4006.8	4735.6	6113.3
62.5°	4929.4	4923.2	5173.8	4415.8	2867.5	2466.2	2429.3	2461.6	2922.9	4661.8	5987.2
65°	3908.4	4013.0	4089.9	3742.4	2269.4	1831.2	1829.7	2034.2	2529.3	3896.1	4834.0
67.5°	2481.6	2618.4	2713.8	2394.0	1517.6	1303.8	1268.5	1514.5	1752.8	2555.4	2910.6
70°	1399.2	1463.7	1506.8	1380.7	965.6	676.5	636.5	695.0	1059.4	1654.4	1725.1
72.5°	539.7	568.9	627.3	631.9	364.4	218.3	176.8	212.2	445.9	655.0	624.2
75°	83.0	89.2	126.1	150.7	104.6	80.0	84.6	87.6	124.5	169.1	141.5
77.5°	40.0	40.0	38.4	44.6	52.3	56.9	61.5	67.7	73.8	81.5	78.4
80°	26.1	26.1	26.1	30.8	38.4	46.1	52.3	55.4	58.4	64.6	61.5
82.5°	16.9	16.9	16.9	23.1	30.8	38.4	41.5	49.2	55.4	64.6	60.0
85°	9.2	9.2	9.2	15.4	23.1	32.3	30.8	24.6	13.8	1.5	3.1
87.5°	3.1	3.1	3.1	3.1	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°	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2
2.5°	4834.0	4763.3	4757.2	4612.6	4483.5	4420.4	4369.7	4228.2	4259.0	4177.5	4176.0
5°	4600.3	4455.8	4222.1	4029.9	3837.7	3799.3	3631.7	3485.6	3490.2	3385.7	3404.1
7.5°	4180.6	4080.6	3796.2	3494.8	3239.6	3058.2	2899.8	2804.5	2683.0	2641.5	2620.0
10°	3914.6	3791.6	3471.8	3093.5	2807.6	2710.7	2558.5	2473.9	2349.4	2287.9	2244.8
12.5°	3797.7	3617.8	3218.1	2833.7	2643.0	2543.1	2413.9	2260.2	2112.6	2055.7	1977.3
15°	3810.0	3594.8	3144.3	2729.1	2500.0	2306.3	2191.0	2020.3	1869.7	1769.7	1712.8
17.5°	3996.1	3734.7	3178.1	2649.2	2320.2	2077.2	1851.2	1666.7	1546.8	1471.4	1453.0
20°	4435.8	4080.6	3235.0	2520.0	2140.3	1837.4	1559.1	1366.9	1274.6	1273.1	1274.6
22.5°	4801.7	4449.7	3350.3	2443.2	1960.4	1529.9	1253.1	1191.6	1173.1	1211.6	1216.2
25°	5295.3	4864.8	3548.6	2403.2	1794.3	1303.8	1133.2	1110.1	1108.6	1157.8	1159.3
27.5°	5801.2	5227.6	3667.0	2286.3	1625.2	1187.0	1060.9	1056.3	1080.9	1133.2	1128.6
30°	6145.6	5532.1	3880.8	2146.4	1425.3	1084.0	1031.7	1037.8	1071.7	1111.6	1117.8
32.5°	6546.9	5831.9	3936.1	2069.5	1302.3	997.9	961.0	974.8	1017.9	1080.9	1114.7
35°	7006.6	6044.1	4020.7	1965.0	1256.2	931.8	913.3	928.7	981.0	1022.5	1059.4
37.5°	7346.4	6419.2	4036.1	1883.5	1205.4	894.9	865.6	916.4	947.1	1005.6	1024.0
40°	7598.5	6691.4	4076.0	1832.8	1165.5	847.2	847.2	881.0	922.5	976.3	1013.2
42.5°	7760.0	6889.7	4105.2	1786.6	1088.6	833.3	825.7	859.5	914.8	967.1	984.0
44°	7858.4	6974.3	4076.0	1743.6	1067.1	816.4	816.4	845.6	888.7	950.2	970.2
45°	7883.0	7080.4	4011.5	1742.0	1040.9	796.4	793.4	848.7	877.9	953.3	965.6
47.5°	7978.3	7211.1	4019.1	1692.8	977.9	748.8	802.6	827.2	853.3	919.5	961.0
50°	7975.2	7292.6	4002.2	1620.6	931.8	695.0	784.1	811.8	838.0	905.6	922.5
52.5°	7996.8	7597.0	4157.5	1505.3	848.7	625.8	722.6	784.1	816.4	873.3	908.7
55°	7986.0	7770.7	4311.3	1419.2	731.9	584.3	670.4	742.6	788.8	848.7	865.6
57.5°	7294.1	6868.2	3989.9	1257.7	605.8	535.1	596.6	699.6	758.0	819.5	841.0
60°	5959.5	5293.8	3290.3	925.6	498.2	492.0	555.1	685.7	710.3	764.2	801.1
62.5°	5507.5	4643.4	2609.2	707.3	425.9	450.5	512.0	619.6	658.1	724.2	758.0
65°	4309.7	3084.3	1616.0	478.2	375.2	404.4	462.8	542.8	605.8	667.3	707.3
67.5°	2552.3	1685.1	799.5	335.2	327.5	358.2	418.2	478.2	550.4	618.1	638.1
70°	1389.9	828.7	341.3	255.2	278.3	306.0	364.4	405.9	475.1	527.4	561.2
72.5°	445.9	252.2	170.7	189.1	212.2	244.5	279.8	330.6	379.8	410.5	438.2
75°	107.6	106.1	121.5	132.2	153.8	178.4	207.6	233.7	272.1	301.4	326.0
77.5°	75.3	81.5	93.8	109.2	116.9	126.1	144.5	164.5	181.4	203.0	218.3
80°	58.4	63.0	72.3	80.0	87.6	95.3	104.6	112.2	123.0	136.8	144.5
82.5°	55.4	58.4	67.7	72.3	69.2	67.7	73.8	76.9	78.4	83.0	87.6
85°	4.6	0.0	3.1	10.8	26.1	38.4	41.5	41.5	40.0	43.1	43.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	6.2	4.6
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°	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2
2.5°	4157.5	4105.2	4125.2	4149.8	4114.5	4033.0	4054.5	4045.3	4128.3	4122.2	4205.2
5°	3485.6	3404.1	3413.3	3533.3	3494.8	3536.3	3453.3	3442.6	3457.9	3465.6	3479.5
7.5°	2667.6	2656.9	2749.1	2850.6	2898.3	2849.1	2767.6	2749.1	2732.2	2698.4	2775.3
10°	2177.2	2180.2	2174.1	2251.0	2304.8	2294.0	2244.8	2238.7	2206.4	2194.1	2237.1
12.5°	1943.5	1901.9	1882.0	1857.4	1898.9	1926.5	1905.0	1889.6	1891.2	1906.6	1912.7
15°	1717.4	1691.3	1648.2	1620.6	1640.6	1626.7	1619.0	1649.8	1642.1	1639.0	1675.9
17.5°	1463.7	1485.3	1482.2	1451.4	1477.6	1466.8	1465.3	1443.8	1414.5	1393.0	1405.3
20°	1296.1	1336.1	1366.9	1368.4	1382.3	1380.7	1357.7	1291.5	1270.0	1265.4	1268.5
22.5°	1236.2	1257.7	1294.6	1346.9	1346.9	1322.3	1294.6	1217.7	1197.7	1176.2	1167.0
25°	1188.5	1230.0	1277.7	1283.8	1308.4	1285.4	1240.8	1202.4	1160.8	1131.6	1131.6
27.5°	1163.9	1210.0	1245.4	1256.2	1290.0	1271.5	1225.4	1176.2	1127.0	1125.5	1099.3
30°	1153.2	1196.2	1219.3	1245.4	1260.8	1231.6	1217.7	1165.5	1116.3	1104.0	1060.9
32.5°	1120.9	1182.4	1225.4	1219.3	1231.6	1219.3	1199.3	1156.2	1100.9	1073.2	1068.6
35°	1084.0	1145.5	1191.6	1223.9	1231.6	1205.4	1193.1	1134.7	1059.4	1045.5	997.9
37.5°	1064.0	1100.9	1157.8	1210.0	1220.8	1207.0	1165.5	1105.5	1030.2	1014.8	973.3
40°	1039.4	1087.0	1131.6	1174.7	1207.0	1173.1	1125.5	1067.1	1033.2	987.1	974.8
42.5°	1020.9	1074.7	1111.6	1159.3	1196.2	1151.6	1096.3	1056.3	1008.6	977.9	942.5
44°	1014.8	1064.0	1088.6	1147.0	1177.8	1143.9	1097.8	1056.3	1000.9	973.3	942.5
45°	993.3	1060.9	1087.0	1139.3	1165.5	1137.8	1079.4	1037.8	997.9	964.0	931.8
47.5°	971.7	1017.9	1062.4	1104.0	1122.4	1113.2	1064.0	1013.2	965.6	945.6	914.8
50°	965.6	1011.7	1053.2	1091.7	1113.2	1094.7	1050.1	1000.9	945.6	913.3	887.2
52.5°	934.8	991.7	1037.8	1050.1	1077.8	1067.1	1033.2	979.4	927.1	899.5	877.9
55°	890.2	950.2	1013.2	1028.6	1068.6	1051.7	1000.9	950.2	905.6	864.1	836.4
57.5°	873.3	931.8	993.3	1013.2	1037.8	1010.2	997.9	944.1	873.3	851.8	808.7
60°	830.3	904.1	954.8	1000.9	1002.5	994.8	973.3	911.8	853.3	813.4	782.6
62.5°	796.4	865.6	905.6	948.7	974.8	953.3	931.8	874.9	811.8	767.2	731.9
65°	747.2	810.3	844.1	870.2	899.5	896.4	859.5	818.0	751.9	716.5	682.7
67.5°	671.9	727.3	773.4	798.0	816.4	811.8	784.1	754.9	687.3	651.9	627.3
70°	581.2	638.1	667.3	681.1	699.6	708.8	687.3	673.4	613.5	567.4	544.3
72.5°	467.4	504.3	547.4	559.7	567.4	573.5	573.5	561.2	499.7	481.3	441.3
75°	344.4	373.6	405.9	405.9	419.7	421.3	424.4	416.7	370.5	345.9	336.7
77.5°	233.7	255.2	281.4	292.1	301.4	299.8	298.3	276.8	252.2	241.4	232.2
80°	152.2	173.7	186.0	199.9	209.1	207.6	210.6	195.3	184.5	166.1	169.1
82.5°	90.7	107.6	119.9	136.8	136.8	141.5	141.5	136.8	126.1	116.9	116.9
85°	43.1	56.9	64.6	75.3	81.5	83.0	73.8	63.0	52.3	47.7	52.3
87.5°	7.7	10.8	15.4	13.8	16.9	15.4	15.4	15.4	15.4	12.3	13.8
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: P527560

CATALOG NUMBER: GALN-SA2C-750-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2	4697.2
2.5°	4174.4	4251.3	4305.1	4394.3	4548.1	4671.1	4797.1	4890.9	4901.7	4929.4
5°	3530.2	3571.7	3708.6	3886.9	4013.0	4220.6	4354.3	4597.3	4688.0	4784.8
7.5°	2756.8	2824.5	3007.4	3127.4	3404.1	3664.0	3933.0	4232.9	4352.8	4366.6
10°	2324.8	2423.2	2547.7	2739.9	2890.6	3179.6	3514.8	3848.5	3982.2	4005.3
12.5°	2041.9	2167.9	2334.0	2472.4	2616.9	2869.1	3190.4	3602.5	3776.2	3880.8
15°	1769.7	1900.4	2083.4	2275.6	2403.2	2704.5	3082.8	3547.1	3773.1	3865.4
17.5°	1489.9	1611.3	1762.0	1969.6	2226.4	2564.6	3065.9	3731.6	3979.2	4086.8
20°	1250.0	1317.7	1493.0	1706.7	2028.0	2421.6	3072.0	4003.8	4366.6	4414.3
22.5°	1156.2	1171.6	1240.8	1437.6	1789.7	2275.6	3181.2	4389.7	4801.7	4958.6
25°	1084.0	1080.9	1099.3	1231.6	1616.0	2218.7	3288.8	4744.9	5284.5	5455.2
27.5°	1044.0	1013.2	1014.8	1139.3	1493.0	2126.4	3427.2	5152.3	5831.9	5907.2
30°	1024.0	1017.9	999.4	1050.1	1359.2	1988.0	3450.2	5553.6	6154.8	6264.0
32.5°	1011.7	951.7	928.7	947.1	1233.1	1837.4	3536.3	5818.1	6554.5	6506.9
35°	950.2	896.4	881.0	899.5	1143.9	1752.8	3479.5	6048.7	6854.4	6934.3
37.5°	927.1	879.5	848.7	833.3	1060.9	1682.1	3450.2	6403.9	7145.0	7337.2
40°	905.6	854.9	818.0	802.6	996.3	1588.3	3441.0	6677.6	7480.1	7595.5
42.5°	881.0	848.7	807.2	779.5	917.9	1494.5	3334.9	6762.1	7583.2	7707.7
44°	873.3	824.1	781.1	771.8	887.2	1446.8	3313.4	6839.0	7672.3	7861.5
45°	865.6	819.5	770.3	758.0	876.4	1420.7	3284.2	6857.4	7819.9	7855.3
47.5°	844.1	814.9	767.2	733.4	853.3	1363.8	3196.6	6752.9	7669.3	7675.4
50°	827.2	793.4	744.2	678.1	822.6	1316.1	3236.5	6714.5	7306.4	7320.2
52.5°	808.7	758.0	730.3	616.6	771.8	1276.2	3321.1	6888.2	7347.9	7344.8
55°	787.2	731.9	664.2	564.3	687.3	1225.4	3525.6	7231.1	7732.3	7784.6
57.5°	753.4	705.7	608.9	518.2	590.4	1128.6	3459.5	6574.5	7114.2	7123.4
60°	708.8	664.2	552.0	482.8	484.3	890.2	3093.5	5123.1	5613.6	5747.3
62.5°	665.8	641.2	504.3	432.0	412.1	708.8	2615.4	4257.5	4818.7	4929.4
65°	615.0	555.1	462.8	393.6	353.6	496.6	1852.7	3181.2	3759.3	3908.4
67.5°	550.4	485.9	407.4	345.9	302.9	332.1	956.4	1808.2	2394.0	2481.6
70°	481.3	421.3	342.9	292.1	244.5	229.1	421.3	862.6	1308.4	1399.2
72.5°	395.1	339.8	273.7	230.6	183.0	158.4	141.5	230.6	464.3	539.7
75°	286.0	247.5	206.0	164.5	129.2	101.5	83.0	69.2	76.9	83.0
77.5°	210.6	179.9	152.2	116.9	90.7	72.3	56.9	43.1	41.5	40.0
80°	164.5	146.1	121.5	93.8	70.7	53.8	40.0	29.2	26.1	26.1
82.5°	129.2	119.9	99.9	76.9	58.4	43.1	29.2	20.0	16.9	16.9
85°	49.2	49.2	72.3	63.0	44.6	30.8	20.0	10.8	9.2	9.2
87.5°	12.3	12.3	12.3	12.3	10.8	9.2	9.2	4.6	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)