

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: P527976

Luminaire Tested: **GALN-SA3A-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527976
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-SA3A-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA 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: 9471 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93
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



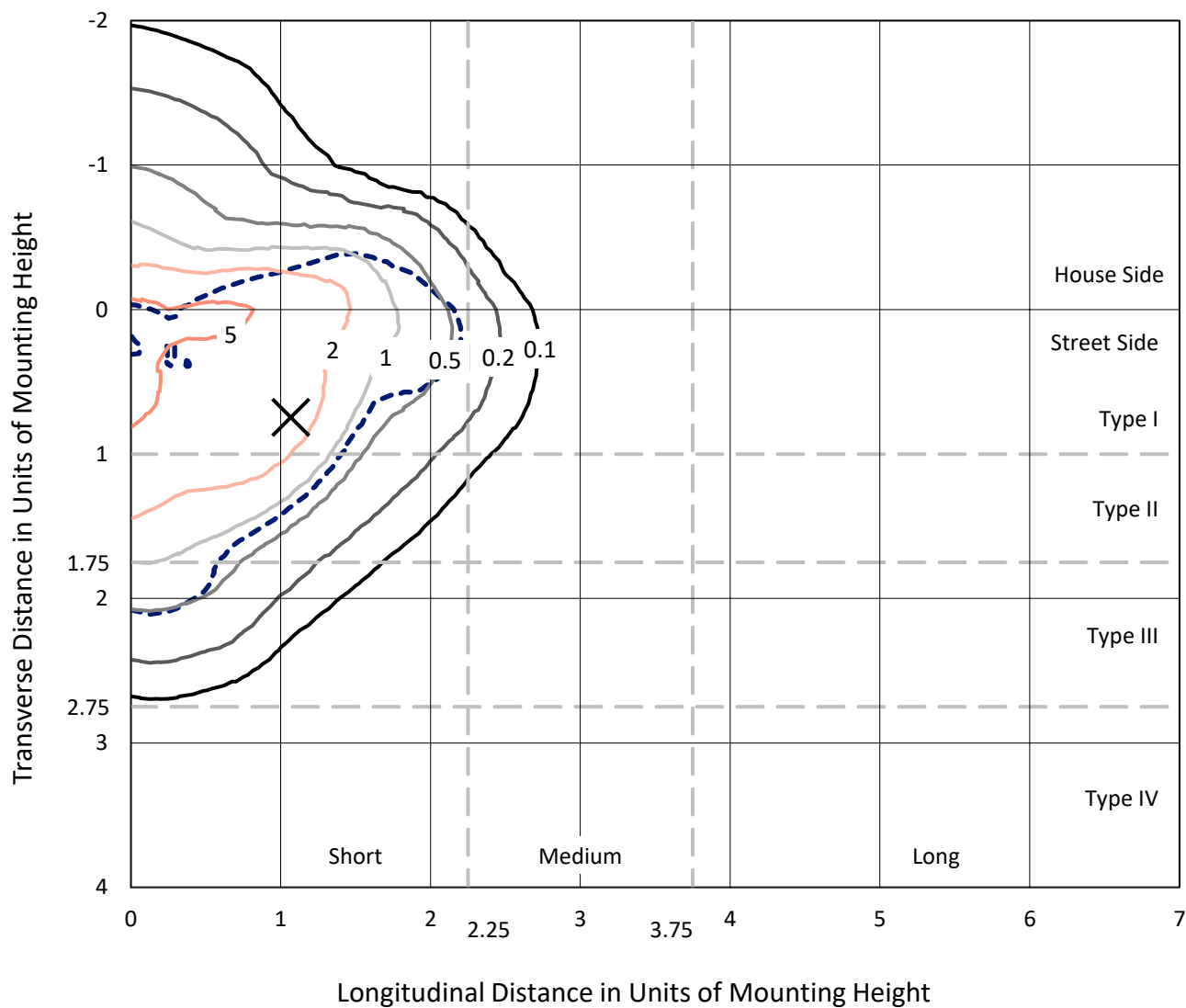
REPORT NUMBER: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



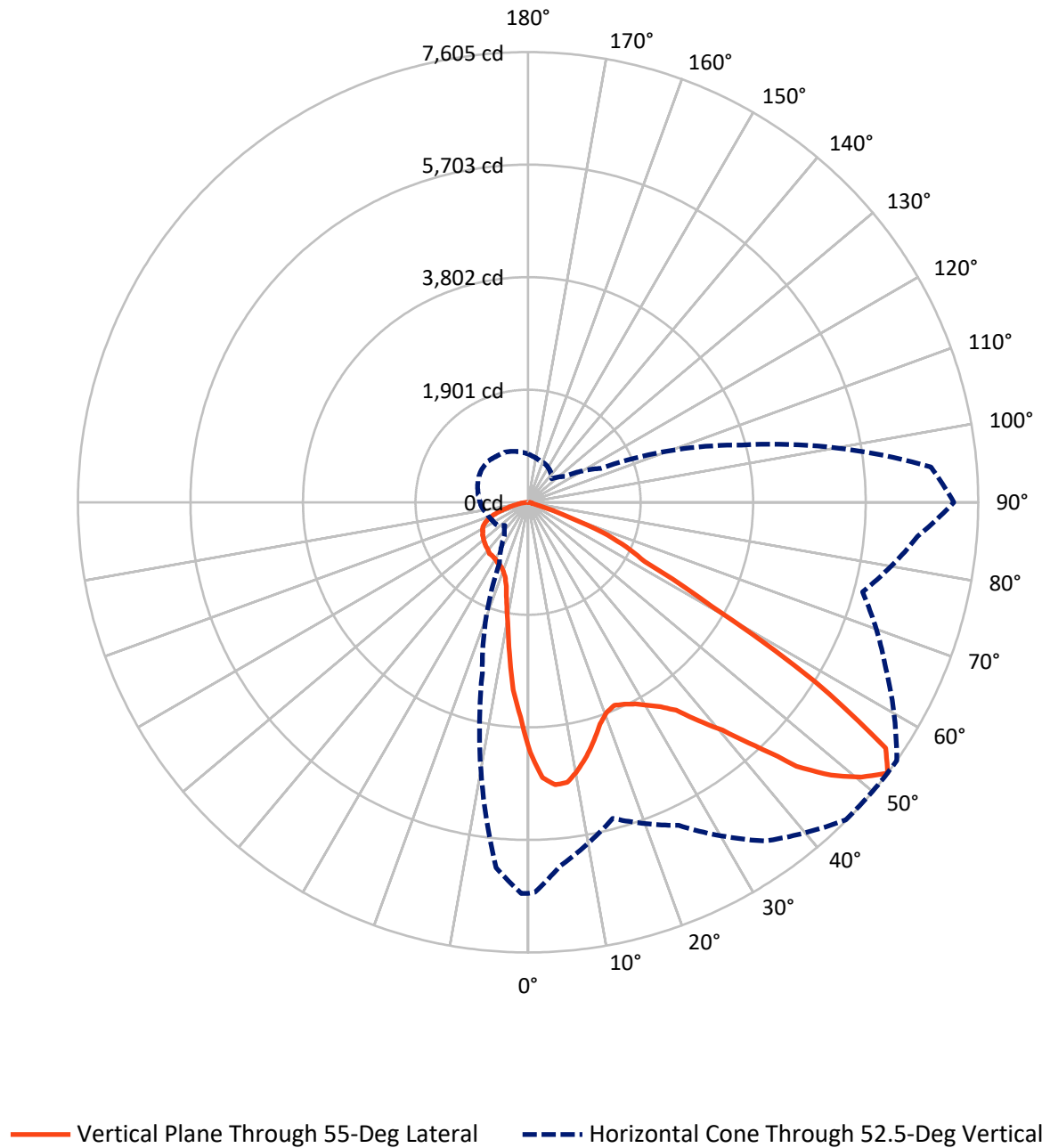
Based on 25 foot mounting height. Maximum calculated value = 7.2 fc

Type II - Short - N/A

REPORT NUMBER: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

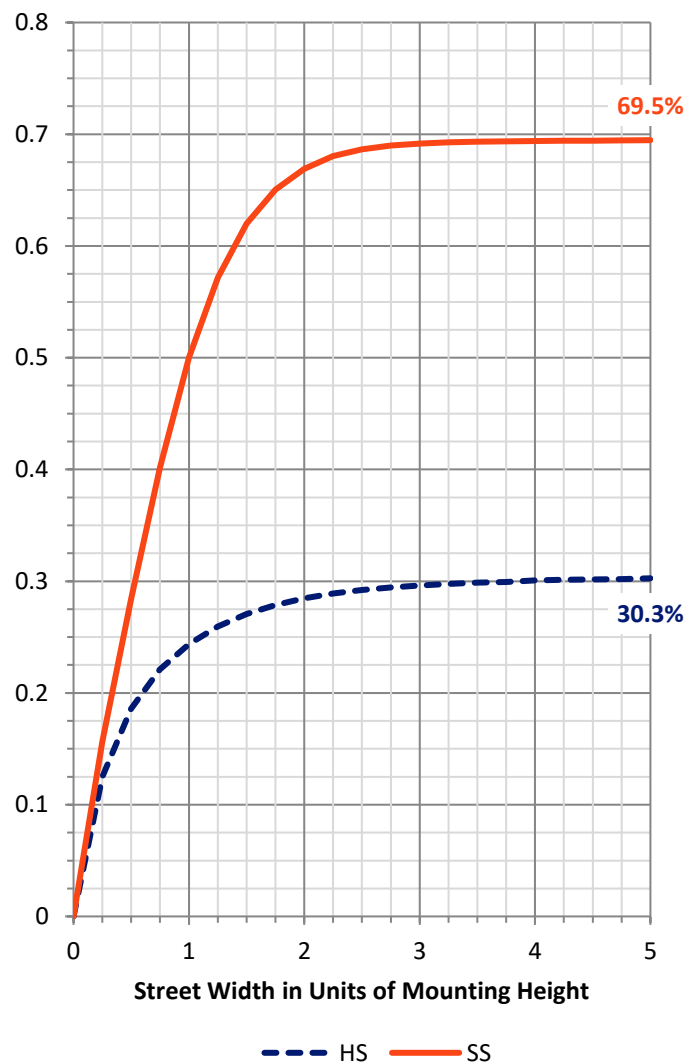
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2889.2	0.0	2889.2
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	6581.8	0.0	6581.8
	% Fixture	69.5	0.0	69.5
Total	Lumens	9471.0	0.0	9471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.8	3.4
10°-20°	695.9	7.3
20°-30°	1055.3	11.1
30°-40°	1524.7	16.1
40°-50°	2037.4	21.5
50°-60°	2274.2	24.0
60°-70°	1247.5	13.2
70°-80°	269.7	2.8
80°-90°	43.6	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°	9471.0	100.0
0°-180°	9471.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527976

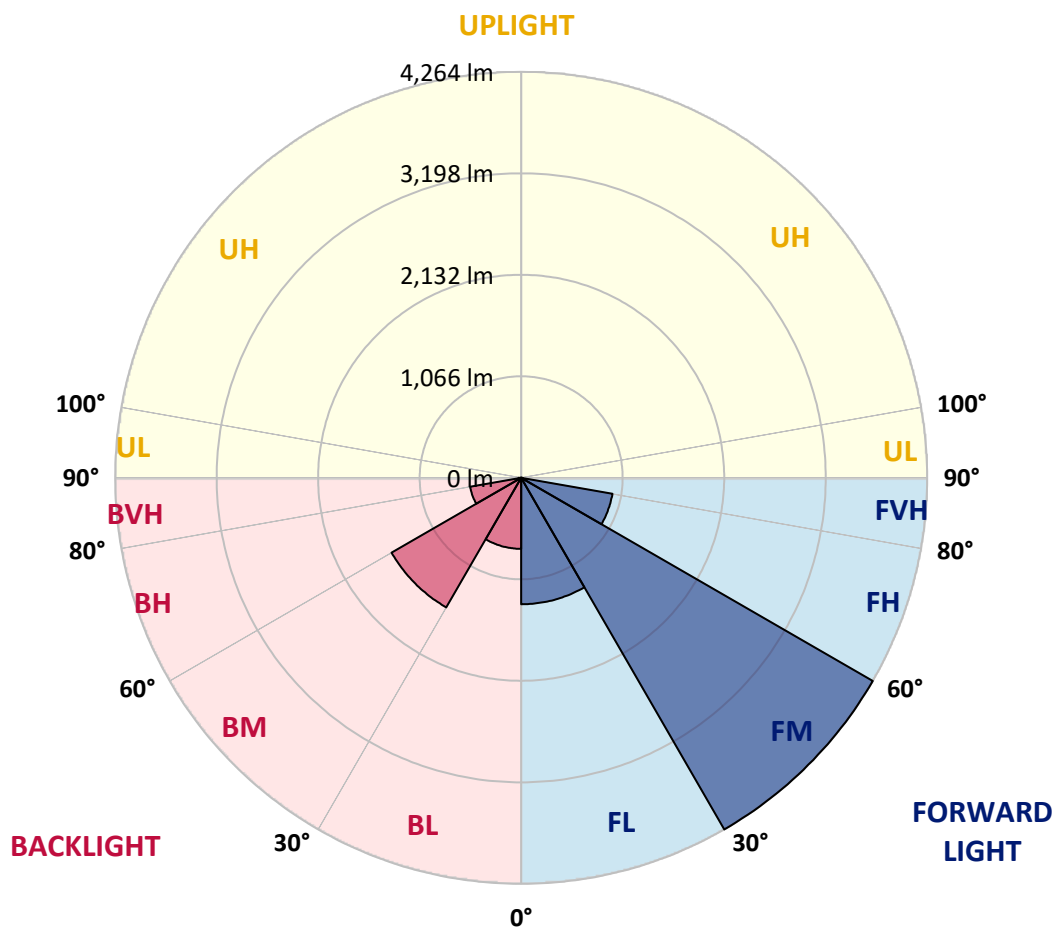
CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1328.0	14.0			
FM	(30°-60°)	4264.3	45.0			
FH	(60°-80°)	973.4	10.3			G1/1800
FVH	(80°-90°)	16.2	0.2			G1/100
BL	(0°-30°)	745.9	7.9	B2/1000		
BM	(30°-60°)	1571.9	16.6	B2/2500		
BH	(60°-80°)	543.8	5.7	B2/1000		G2/1000
BVH	(80°-90°)	27.5	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



REPORT NUMBER: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8
2.5°	4433.6	4408.7	4430.9	4536.0	4596.8	4638.3	4664.6	4660.4	4560.8	4464.0	4464.0
5°	4303.6	4271.8	4317.5	4555.3	4794.6	4815.3	4849.9	4793.2	4646.6	4469.6	4248.3
7.5°	3927.5	3951.0	4027.0	4339.6	4650.7	4807.0	4848.5	4776.6	4538.7	4208.2	3883.2
10°	3602.5	3657.8	3833.4	4170.9	4457.1	4660.4	4706.1	4605.1	4417.0	4011.8	3721.4
12.5°	3490.5	3455.9	3650.9	3988.3	4262.1	4371.4	4392.1	4399.0	4271.8	3912.3	3558.2
15°	3476.6	3498.8	3650.9	3906.7	4075.4	4081.0	4115.5	4169.5	4186.1	3980.0	3634.3
17.5°	3675.8	3649.5	3805.8	4009.1	3928.9	3848.6	3856.9	3934.4	4071.3	4038.1	3873.5
20°	3970.3	4029.8	4152.9	4132.1	3916.4	3713.1	3714.5	3787.8	4057.5	4278.7	4206.8
22.5°	4459.9	4518.0	4609.2	4358.9	3916.4	3673.0	3626.0	3725.6	4146.0	4565.0	4583.0
25°	4906.6	5013.1	5038.0	4743.4	4112.8	3710.4	3679.9	3778.1	4234.5	4844.3	5014.4
27.5°	5313.2	5351.9	5461.1	4990.9	4222.0	3735.2	3732.5	3858.3	4346.5	4984.0	5400.3
30°	5634.0	5629.8	5692.1	5147.2	4396.3	3874.9	3740.8	3978.6	4493.1	5215.0	5757.1
32.5°	5852.5	5899.5	6030.9	5364.3	4469.6	4007.7	3902.6	4119.7	4671.5	5324.2	6008.8
35°	6236.9	6318.5	6152.6	5484.6	4701.9	4139.1	4016.0	4311.9	4760.0	5443.1	6317.1
37.5°	6599.3	6537.0	6368.3	5549.6	4852.6	4382.5	4267.7	4683.9	5035.2	5701.7	6521.8
40°	6831.6	6830.2	6530.1	5602.2	4959.1	4754.5	4747.5	5061.5	5372.6	5864.9	6751.4
42.5°	6932.5	7029.3	6596.5	5596.6	5183.2	5205.3	5345.0	5625.7	5611.9	5898.1	6745.8
44°	7070.8	7128.9	6711.3	5609.1	5332.5	5509.5	5838.7	6017.1	5820.7	5880.1	6738.9
45°	7065.3	7069.5	6548.1	5625.7	5459.7	5764.0	6058.5	6360.0	6004.6	5841.4	6830.2
47.5°	6903.5	6856.5	6409.8	5502.6	5856.6	6436.1	6708.5	6891.1	6231.4	5758.4	6716.8
50°	6584.0	6530.1	6073.8	5450.1	5939.6	6853.7	7229.9	7296.2	6437.5	5676.9	6604.8
52.5°	6606.2	6591.0	6169.2	5528.9	6022.6	6985.1	7588.0	7604.6	6671.2	5848.3	6606.2
55°	7001.7	6949.1	6443.0	5627.1	5961.7	6831.6	7359.9	7330.8	6592.3	5744.6	6727.9
57.5°	6407.0	6441.6	6064.1	5238.5	5217.7	5553.8	5786.1	5714.2	5501.2	5184.5	6259.1
60°	5169.3	5267.5	5303.5	4381.1	3937.2	3764.3	3695.1	3567.9	3603.9	4259.4	5498.5
62.5°	4433.6	4428.1	4653.5	3971.7	2579.1	2218.2	2185.0	2214.0	2628.9	4193.0	5385.1
65°	3515.4	3609.4	3678.5	3366.0	2041.2	1647.0	1645.7	1829.6	2274.9	3504.3	4347.9
67.5°	2232.0	2355.1	2440.8	2153.2	1364.9	1172.7	1140.9	1362.2	1576.5	2298.4	2617.9
70°	1258.5	1316.5	1355.3	1241.9	868.5	608.5	572.5	625.1	952.8	1488.0	1551.6
72.5°	485.4	511.7	564.2	568.4	327.8	196.4	159.0	190.8	401.0	589.1	561.5
75°	74.7	80.2	113.4	135.5	94.0	71.9	76.1	78.8	112.0	152.1	127.2
77.5°	36.0	36.0	34.6	40.1	47.0	51.2	55.3	60.8	66.4	73.3	70.5
80°	23.5	23.5	23.5	27.7	34.6	41.5	47.0	49.8	52.6	58.1	55.3
82.5°	15.2	15.2	15.2	20.7	27.7	34.6	37.3	44.3	49.8	58.1	53.9
85°	8.3	8.3	8.3	13.8	20.7	29.0	27.7	22.1	12.4	1.4	2.8
87.5°	2.8	2.8	2.8	2.8	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: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8
2.5°	4347.9	4284.3	4278.7	4148.7	4032.6	3975.9	3930.2	3803.0	3830.7	3757.4	3756.0
5°	4137.7	4007.7	3797.5	3624.6	3451.8	3417.2	3266.4	3135.1	3139.2	3045.2	3061.8
7.5°	3760.1	3670.3	3414.4	3143.4	2913.8	2750.6	2608.2	2522.4	2413.2	2375.8	2356.5
10°	3520.9	3410.3	3122.6	2782.4	2525.2	2438.1	2301.2	2225.1	2113.1	2057.8	2019.1
12.5°	3415.8	3254.0	2894.4	2548.7	2377.2	2287.3	2171.2	2032.9	1900.1	1849.0	1778.4
15°	3426.9	3233.3	2828.1	2454.7	2248.6	2074.4	1970.7	1817.1	1681.6	1591.7	1540.6
17.5°	3594.2	3359.1	2858.5	2382.8	2086.8	1868.3	1665.0	1499.1	1391.2	1323.4	1306.9
20°	3989.7	3670.3	2909.6	2266.6	1925.0	1652.6	1402.3	1229.4	1146.4	1145.1	1146.4
22.5°	4318.8	4002.1	3013.4	2197.4	1763.2	1376.0	1127.1	1071.8	1055.2	1089.7	1093.9
25°	4762.8	4375.5	3191.8	2161.5	1613.9	1172.7	1019.2	998.5	997.1	1041.3	1042.7
27.5°	5217.7	4701.9	3298.2	2056.4	1461.7	1067.6	954.2	950.1	972.2	1019.2	1015.1
30°	5527.5	4975.7	3490.5	1930.5	1282.0	975.0	927.9	933.5	963.9	999.8	1005.4
32.5°	5888.4	5245.4	3540.3	1861.4	1171.3	897.5	864.3	876.8	915.5	972.2	1002.6
35°	6301.9	5436.2	3616.3	1767.4	1129.8	838.0	821.5	835.3	882.3	919.6	952.8
37.5°	6607.6	5773.7	3630.1	1694.1	1084.2	804.9	778.6	824.2	851.9	904.4	921.0
40°	6834.4	6018.4	3666.1	1648.4	1048.2	762.0	762.0	792.4	829.7	878.1	911.3
42.5°	6979.6	6196.8	3692.4	1606.9	979.1	749.5	742.6	773.0	822.8	869.9	885.1
44°	7068.1	6272.9	3666.1	1568.2	959.7	734.3	734.3	760.6	799.3	854.6	872.6
45°	7090.2	6368.3	3608.0	1566.8	936.2	716.3	713.6	763.4	789.6	857.4	868.5
47.5°	7175.9	6485.9	3614.9	1522.6	879.5	673.5	721.9	744.0	767.5	827.0	864.3
50°	7173.2	6559.2	3599.7	1457.6	838.0	625.1	705.3	730.2	753.7	814.5	829.7
52.5°	7192.5	6833.0	3739.4	1353.9	763.4	562.8	650.0	705.3	734.3	785.5	817.3
55°	7182.8	6989.2	3877.7	1276.4	658.3	525.5	602.9	667.9	709.4	763.4	778.6
57.5°	6560.5	6177.5	3588.7	1131.2	544.9	481.3	536.6	629.2	681.8	737.1	756.5
60°	5360.2	4761.4	2959.4	832.5	448.1	442.5	499.2	616.8	638.9	687.3	720.5
62.5°	4953.6	4176.4	2346.8	636.1	383.1	405.2	460.5	557.3	591.9	651.4	681.8
65°	3876.3	2774.1	1453.4	430.1	337.4	363.7	416.3	488.2	544.9	600.2	636.1
67.5°	2295.6	1515.7	719.1	301.5	294.6	322.2	376.2	430.1	495.1	555.9	573.9
70°	1250.2	745.4	307.0	229.6	250.3	275.2	327.8	365.1	427.3	474.3	504.8
72.5°	401.0	226.8	153.5	170.1	190.8	219.9	251.7	297.3	341.6	369.2	394.1
75°	96.8	95.4	109.3	118.9	138.3	160.4	186.7	210.2	244.8	271.1	293.2
77.5°	67.8	73.3	84.4	98.2	105.1	113.4	130.0	148.0	163.2	182.5	196.4
80°	52.6	56.7	65.0	71.9	78.8	85.7	94.0	101.0	110.6	123.1	130.0
82.5°	49.8	52.6	60.8	65.0	62.2	60.8	66.4	69.1	70.5	74.7	78.8
85°	4.1	0.0	2.8	9.7	23.5	34.6	37.3	37.3	36.0	38.7	38.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.5	4.1
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: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8
2.5°	3739.4	3692.4	3710.4	3732.5	3700.7	3627.4	3646.7	3638.4	3713.1	3707.6	3782.3
5°	3135.1	3061.8	3070.1	3177.9	3143.4	3180.7	3106.0	3096.3	3110.2	3117.1	3129.5
7.5°	2399.4	2389.7	2472.6	2563.9	2606.8	2562.5	2489.2	2472.6	2457.4	2427.0	2496.2
10°	1958.2	1961.0	1955.4	2024.6	2073.0	2063.3	2019.1	2013.5	1984.5	1973.4	2012.1
12.5°	1748.0	1710.7	1692.7	1670.6	1707.9	1732.8	1713.4	1699.6	1701.0	1714.8	1720.3
15°	1544.7	1521.2	1482.5	1457.6	1475.6	1463.1	1456.2	1483.9	1477.0	1474.2	1507.4
17.5°	1316.5	1335.9	1333.1	1305.5	1329.0	1319.3	1317.9	1298.6	1272.3	1252.9	1264.0
20°	1165.8	1201.8	1229.4	1230.8	1243.2	1241.9	1221.1	1161.6	1142.3	1138.1	1140.9
22.5°	1111.9	1131.2	1164.4	1211.4	1211.4	1189.3	1164.4	1095.3	1077.3	1057.9	1049.6
25°	1069.0	1106.3	1149.2	1154.7	1176.9	1156.1	1116.0	1081.4	1044.1	1017.8	1017.8
27.5°	1046.9	1088.4	1120.2	1129.8	1160.3	1143.7	1102.2	1057.9	1013.7	1012.3	988.8
30°	1037.2	1075.9	1096.6	1120.2	1134.0	1107.7	1095.3	1048.2	1004.0	992.9	954.2
32.5°	1008.1	1063.5	1102.2	1096.6	1107.7	1096.6	1078.7	1040.0	990.2	965.3	961.1
35°	975.0	1030.3	1071.8	1100.8	1107.7	1084.2	1073.1	1020.6	952.8	940.4	897.5
37.5°	957.0	990.2	1041.3	1088.4	1098.0	1085.6	1048.2	994.3	926.6	912.7	875.4
40°	934.8	977.7	1017.8	1056.5	1085.6	1055.2	1012.3	959.7	929.3	887.8	876.8
42.5°	918.3	966.7	999.8	1042.7	1075.9	1035.8	986.0	950.1	907.2	879.5	847.7
44°	912.7	957.0	979.1	1031.7	1059.3	1028.9	987.4	950.1	900.3	875.4	847.7
45°	893.4	954.2	977.7	1024.7	1048.2	1023.4	970.8	933.5	897.5	867.1	838.0
47.5°	874.0	915.5	955.6	992.9	1009.5	1001.2	957.0	911.3	868.5	850.5	822.8
50°	868.5	910.0	947.3	981.9	1001.2	984.6	944.5	900.3	850.5	821.5	797.9
52.5°	840.8	892.0	933.5	944.5	969.4	959.7	929.3	880.9	833.9	809.0	789.6
55°	800.7	854.6	911.3	925.2	961.1	945.9	900.3	854.6	814.5	777.2	752.3
57.5°	785.5	838.0	893.4	911.3	933.5	908.6	897.5	849.1	785.5	766.1	727.4
60°	746.8	813.2	858.8	900.3	901.7	894.7	875.4	820.1	767.5	731.6	703.9
62.5°	716.3	778.6	814.5	853.3	876.8	857.4	838.0	786.9	730.2	690.1	658.3
65°	672.1	728.8	759.2	782.7	809.0	806.2	773.0	735.7	676.2	644.4	614.0
67.5°	604.3	654.1	695.6	717.7	734.3	730.2	705.3	679.0	618.2	586.4	564.2
70°	522.7	573.9	600.2	612.6	629.2	637.5	618.2	605.7	551.8	510.3	489.6
72.5°	420.4	453.6	492.3	503.4	510.3	515.8	515.8	504.8	449.4	432.9	396.9
75°	309.8	336.0	365.1	365.1	377.5	378.9	381.7	374.8	333.3	311.2	302.9
77.5°	210.2	229.6	253.1	262.8	271.1	269.7	268.3	248.9	226.8	217.1	208.8
80°	136.9	156.3	167.3	179.8	188.1	186.7	189.5	175.6	165.9	149.4	152.1
82.5°	81.6	96.8	107.9	123.1	123.1	127.2	127.2	123.1	113.4	105.1	105.1
85°	38.7	51.2	58.1	67.8	73.3	74.7	66.4	56.7	47.0	42.9	47.0
87.5°	6.9	9.7	13.8	12.4	15.2	13.8	13.8	13.8	13.8	11.1	12.4
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: P527976

CATALOG NUMBER: GALN-SA3A-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8	4224.8
2.5°	3754.6	3823.8	3872.2	3952.4	4090.7	4201.3	4314.7	4399.0	4408.7	4433.6
5°	3175.2	3212.5	3335.6	3496.0	3609.4	3796.1	3916.4	4134.9	4216.5	4303.6
7.5°	2479.6	2540.4	2705.0	2812.8	3061.8	3295.5	3537.5	3807.2	3915.0	3927.5
10°	2091.0	2179.5	2291.5	2464.4	2599.9	2859.9	3161.3	3461.4	3581.7	3602.5
12.5°	1836.5	1949.9	2099.3	2223.7	2353.7	2580.5	2869.5	3240.2	3396.4	3490.5
15°	1591.7	1709.3	1873.8	2046.7	2161.5	2432.5	2772.7	3190.4	3393.7	3476.6
17.5°	1340.0	1449.3	1584.8	1771.5	2002.5	2306.7	2757.5	3356.3	3579.0	3675.8
20°	1124.3	1185.2	1342.8	1535.0	1824.1	2178.1	2763.1	3601.1	3927.5	3970.3
22.5°	1040.0	1053.8	1116.0	1293.0	1609.7	2046.7	2861.2	3948.2	4318.8	4459.9
25°	975.0	972.2	988.8	1107.7	1453.4	1995.5	2958.1	4267.7	4753.1	4906.6
27.5°	939.0	911.3	912.7	1024.7	1342.8	1912.6	3082.5	4634.1	5245.4	5313.2
30°	921.0	915.5	898.9	944.5	1222.5	1788.1	3103.3	4995.1	5535.8	5634.0
32.5°	910.0	856.0	835.3	851.9	1109.1	1652.6	3180.7	5232.9	5895.4	5852.5
35°	854.6	806.2	792.4	809.0	1028.9	1576.5	3129.5	5440.4	6165.0	6236.9
37.5°	833.9	791.0	763.4	749.5	954.2	1512.9	3103.3	5759.8	6426.4	6599.3
40°	814.5	768.9	735.7	721.9	896.1	1428.5	3095.0	6006.0	6727.9	6831.6
42.5°	792.4	763.4	726.0	701.1	825.6	1344.2	2999.5	6082.1	6820.5	6932.5
44°	785.5	741.2	702.5	694.2	797.9	1301.3	2980.2	6151.2	6900.7	7070.8
45°	778.6	737.1	692.8	681.8	788.3	1277.8	2953.9	6167.8	7033.5	7065.3
47.5°	759.2	732.9	690.1	659.6	767.5	1226.6	2875.1	6073.8	6898.0	6903.5
50°	744.0	713.6	669.3	609.9	739.9	1183.8	2911.0	6039.2	6571.6	6584.0
52.5°	727.4	681.8	656.9	554.5	694.2	1147.8	2987.1	6195.4	6608.9	6606.2
55°	708.1	658.3	597.4	507.5	618.2	1102.2	3171.0	6503.8	6954.7	7001.7
57.5°	677.6	634.8	547.6	466.0	531.0	1015.1	3111.6	5913.3	6398.7	6407.0
60°	637.5	597.4	496.5	434.2	435.6	800.7	2782.4	4607.9	5049.0	5169.3
62.5°	598.8	576.7	453.6	388.6	370.6	637.5	2352.3	3829.3	4334.0	4433.6
65°	553.2	499.2	416.3	354.0	318.1	446.7	1666.4	2861.2	3381.2	3515.4
67.5°	495.1	437.0	366.5	311.2	272.4	298.7	860.2	1626.3	2153.2	2232.0
70°	432.9	378.9	308.4	262.8	219.9	206.1	378.9	775.8	1176.9	1258.5
72.5°	355.4	305.6	246.2	207.4	164.6	142.4	127.2	207.4	417.6	485.4
75°	257.2	222.6	185.3	148.0	116.2	91.3	74.7	62.2	69.1	74.7
77.5°	189.5	161.8	136.9	105.1	81.6	65.0	51.2	38.7	37.3	36.0
80°	148.0	131.4	109.3	84.4	63.6	48.4	36.0	26.3	23.5	23.5
82.5°	116.2	107.9	89.9	69.1	52.6	38.7	26.3	18.0	15.2	15.2
85°	44.3	44.3	65.0	56.7	40.1	27.7	18.0	9.7	8.3	8.3
87.5°	11.1	11.1	11.1	11.1	9.7	8.3	8.3	4.1	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)