

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: P527950

Luminaire Tested: **GALN-SA3A-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527950  
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-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 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: 9260 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

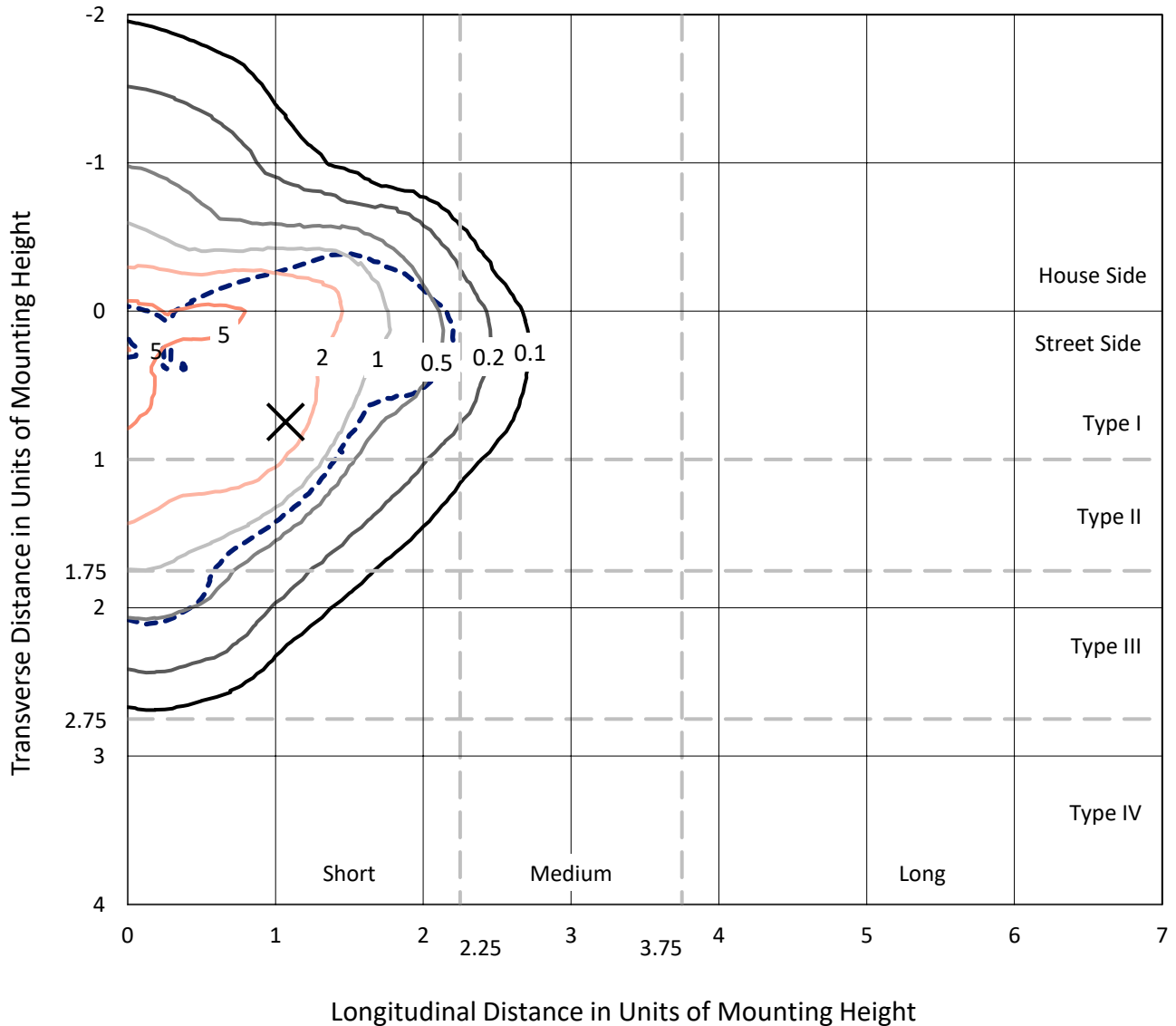
Input Watts (W): 93  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527950  
 CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

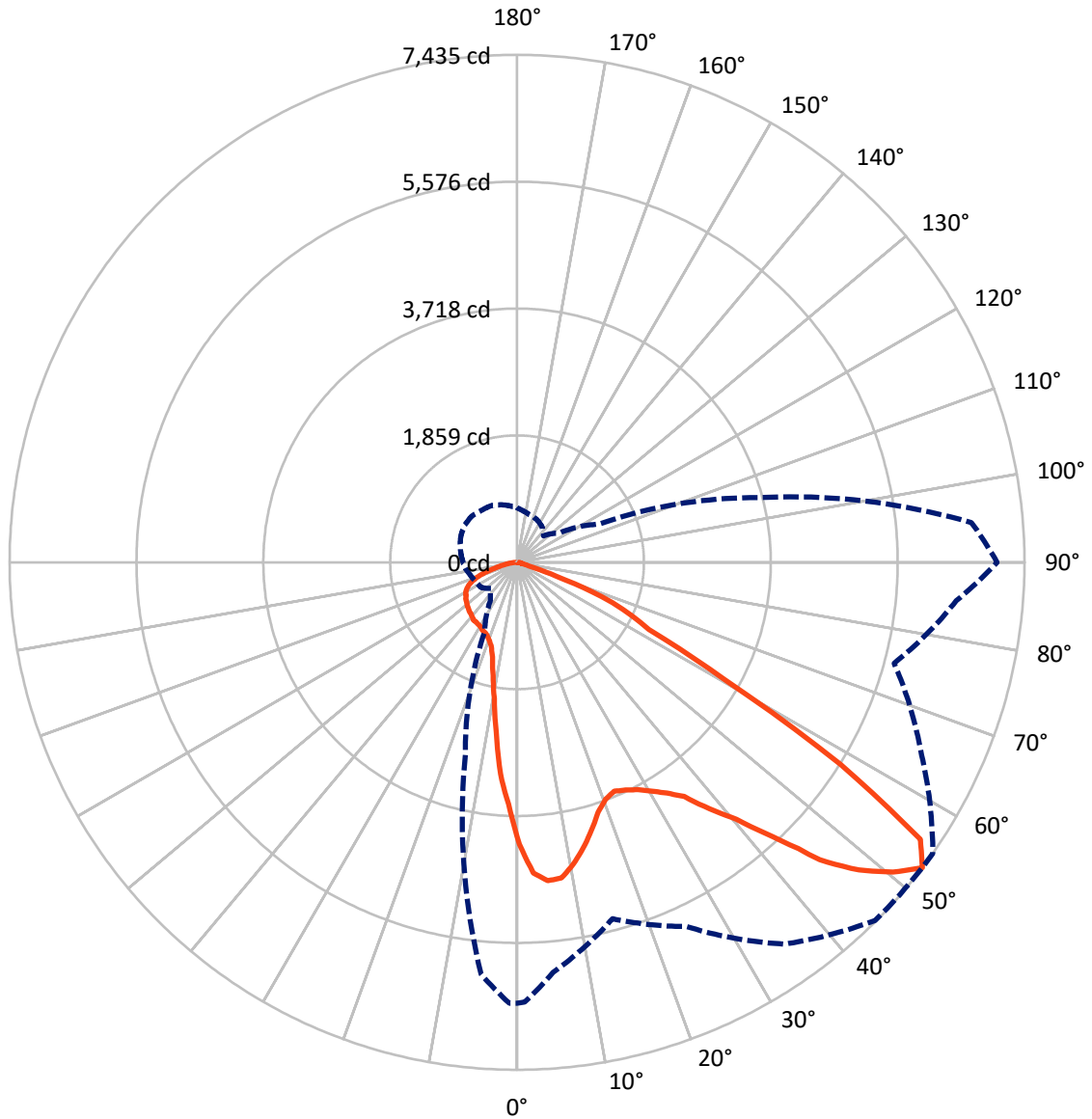
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type II - Short - N/A

REPORT NUMBER: P527950  
CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P527950  
 CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

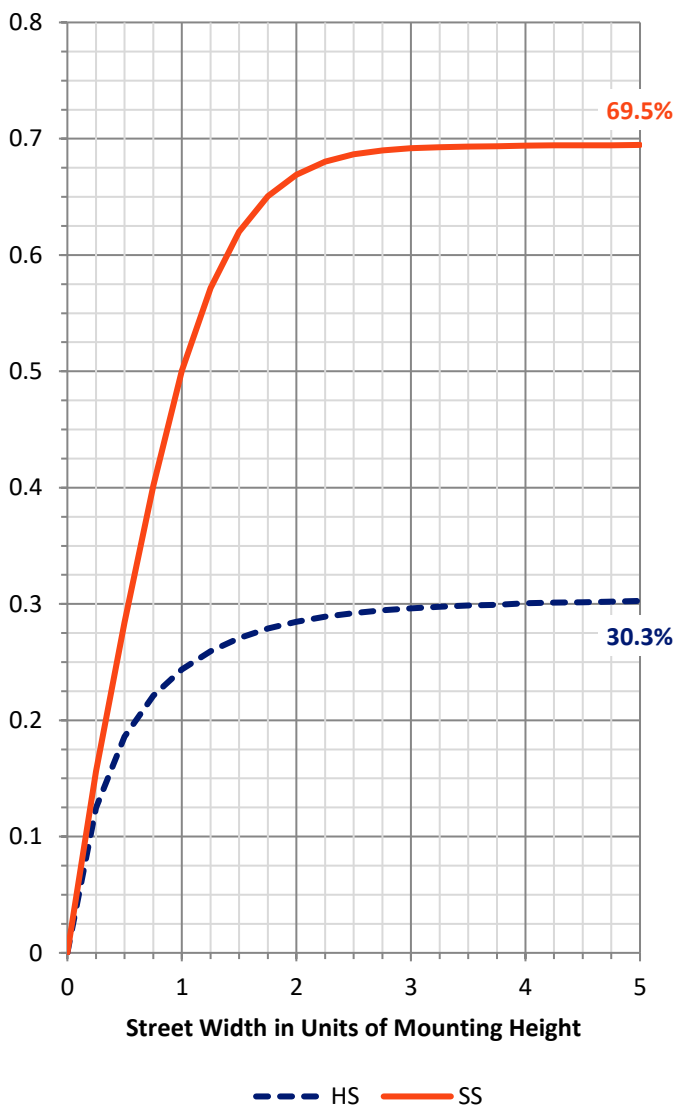
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2824.8	0.0	2824.8
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	6435.2	0.0	6435.2
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	9260.0	0.0	9260.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.6	3.4
10°-20°	680.4	7.3
20°-30°	1031.7	11.1
30°-40°	1490.7	16.1
40°-50°	1992.0	21.5
50°-60°	2223.5	24.0
60°-70°	1219.7	13.2
70°-80°	263.7	2.8
80°-90°	42.7	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°	9260.0	100.0
0°-180°	9260.0	100.0

**Coefficient of Utilization**



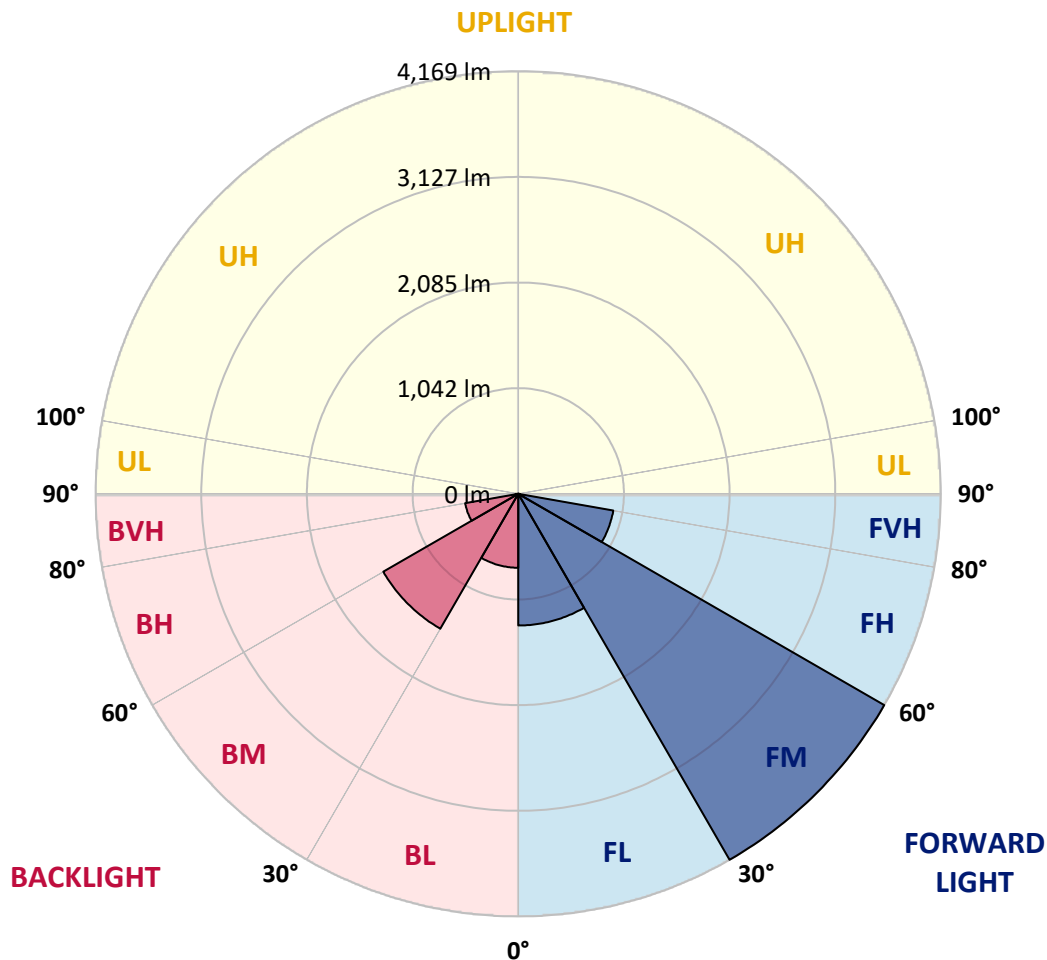
REPORT NUMBER: P527950  
 CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1298.4	14.0			
FM	(30°-60°)	4169.3	45.0			
FH	(60°-80°)	951.7	10.3			G1/1800
FVH	(80°-90°)	15.8	0.2			G1/100
BL	(0°-30°)	729.3	7.9	B2/1000		
BM	(30°-60°)	1536.9	16.6	B2/2500		
BH	(60°-80°)	531.7	5.7	B2/1000		G2/1000
BVH	(80°-90°)	26.9	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: P527950

CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7
2.5°	4334.8	4310.5	4332.1	4434.9	4494.4	4535.0	4560.6	4556.6	4459.2	4364.6	4364.6
5°	4207.7	4176.6	4221.3	4453.8	4687.7	4708.0	4741.8	4686.4	4543.1	4370.0	4153.7
7.5°	3840.0	3863.0	3937.3	4242.9	4547.1	4699.9	4740.5	4670.2	4437.6	4114.5	3796.7
10°	3522.2	3576.3	3748.0	4077.9	4357.8	4556.6	4601.2	4502.5	4318.6	3922.5	3638.5
12.5°	3412.7	3378.9	3569.6	3899.5	4167.2	4274.0	4294.3	4301.0	4176.6	3825.1	3479.0
15°	3399.2	3420.8	3569.6	3819.7	3984.6	3990.1	4023.9	4076.6	4092.8	3891.4	3553.3
17.5°	3593.9	3568.2	3721.0	3919.7	3841.3	3762.9	3771.0	3846.7	3980.6	3948.1	3787.2
20°	3881.9	3940.0	4060.4	4040.1	3829.2	3630.4	3631.8	3703.4	3967.1	4183.4	4113.1
22.5°	4360.5	4417.3	4506.6	4261.8	3829.2	3591.2	3545.2	3642.6	4053.6	4463.3	4480.9
25°	4797.3	4901.4	4925.7	4637.7	4021.2	3627.7	3597.9	3693.9	4140.1	4736.4	4902.7
27.5°	5194.8	5232.6	5339.5	4879.7	4128.0	3652.0	3649.3	3772.4	4249.7	4873.0	5280.0
30°	5508.5	5504.4	5565.3	5032.5	4298.3	3788.6	3657.4	3890.0	4393.0	5098.8	5628.8
32.5°	5722.1	5768.1	5896.5	5244.8	4370.0	3918.4	3815.6	4027.9	4567.4	5205.6	5874.9
35°	6098.0	6177.8	6015.5	5362.4	4597.2	4046.8	3926.5	4215.9	4653.9	5321.9	6176.4
37.5°	6452.2	6391.4	6226.4	5426.0	4744.5	4284.8	4172.6	4579.6	4923.0	5574.7	6376.5
40°	6679.4	6678.0	6384.6	5477.4	4848.6	4648.5	4641.8	4948.7	5252.9	5734.3	6601.0
42.5°	6778.1	6872.7	6449.5	5472.0	5067.7	5089.3	5225.9	5500.4	5486.8	5766.7	6595.6
44°	6913.3	6970.1	6561.8	5484.1	5213.7	5386.8	5708.6	5883.0	5691.0	5749.1	6588.8
45°	6907.9	6912.0	6402.2	5500.4	5338.1	5635.6	5923.6	6218.3	5870.8	5711.3	6678.0
47.5°	6749.7	6703.7	6267.0	5380.0	5726.2	6292.7	6559.1	6737.5	6092.6	5630.2	6567.2
50°	6437.4	6384.6	5938.4	5328.6	5807.3	6701.0	7068.8	7133.7	6294.0	5550.4	6457.6
52.5°	6459.0	6444.1	6031.7	5405.7	5888.4	6829.5	7419.0	7435.2	6522.5	5718.0	6459.0
55°	6845.7	6794.3	6299.5	5501.7	5828.9	6679.4	7195.9	7167.5	6445.5	5616.6	6578.0
57.5°	6264.3	6298.1	5929.0	5121.8	5101.5	5430.0	5657.2	5586.9	5378.7	5069.0	6119.6
60°	5054.2	5150.2	5185.3	4283.5	3849.4	3680.4	3612.8	3488.4	3523.6	4164.5	5376.0
62.5°	4334.8	4329.4	4549.8	3883.2	2521.7	2168.8	2136.3	2164.7	2570.3	4099.6	5265.1
65°	3437.0	3529.0	3596.6	3291.0	1995.7	1610.4	1609.0	1788.8	2224.2	3426.2	4251.0
67.5°	2182.3	2302.6	2386.5	2105.2	1334.5	1146.6	1115.5	1331.8	1541.4	2247.2	2559.5
70°	1230.4	1287.2	1325.1	1214.2	849.1	594.9	559.8	611.2	931.6	1454.9	1517.1
72.5°	474.6	500.3	551.7	555.7	320.4	192.0	155.5	186.6	392.1	576.0	549.0
75°	73.0	78.4	110.9	132.5	91.9	70.3	74.4	77.1	109.5	148.7	124.4
77.5°	35.2	35.2	33.8	39.2	46.0	50.0	54.1	59.5	64.9	71.7	69.0
80°	23.0	23.0	23.0	27.0	33.8	40.6	46.0	48.7	51.4	56.8	54.1
82.5°	14.9	14.9	14.9	20.3	27.0	33.8	36.5	43.3	48.7	56.8	52.7
85°	8.1	8.1	8.1	13.5	20.3	28.4	27.0	21.6	12.2	1.4	2.7
87.5°	2.7	2.7	2.7	2.7	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



REPORT NUMBER: P527950

CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7
2.5°	4251.0	4188.8	4183.4	4056.3	3942.7	3887.3	3842.7	3718.3	3745.3	3673.7	3672.3
5°	4045.5	3918.4	3712.9	3543.9	3374.9	3341.0	3193.7	3065.2	3069.3	2977.3	2993.6
7.5°	3676.4	3588.5	3338.3	3073.3	2848.9	2689.3	2550.1	2466.2	2359.4	2322.9	2304.0
10°	3442.5	3334.3	3053.0	2720.4	2468.9	2383.8	2249.9	2175.5	2066.0	2011.9	1974.1
12.5°	3339.7	3181.5	2830.0	2491.9	2324.3	2236.4	2122.8	1987.6	1857.8	1807.8	1738.8
15°	3350.5	3161.2	2765.1	2400.0	2198.5	2028.2	1926.7	1776.7	1644.2	1556.3	1506.2
17.5°	3514.1	3284.3	2794.8	2329.7	2040.3	1826.7	1627.9	1465.7	1360.2	1294.0	1277.7
20°	3900.8	3588.5	2844.8	2216.1	1882.1	1615.8	1371.0	1202.0	1120.9	1119.5	1120.9
22.5°	4222.6	3913.0	2946.2	2148.5	1723.9	1345.3	1102.0	1047.9	1031.7	1065.5	1069.5
25°	4656.6	4278.1	3120.7	2113.3	1577.9	1146.6	996.5	976.2	974.9	1018.1	1019.5
27.5°	5101.5	4597.2	3224.8	2010.6	1429.2	1043.8	933.0	928.9	950.5	996.5	992.4
30°	5404.4	4864.9	3412.7	1887.5	1253.4	953.2	907.3	912.7	942.4	977.6	983.0
32.5°	5757.3	5128.5	3461.4	1819.9	1145.2	877.5	845.1	857.2	895.1	950.5	980.3
35°	6161.5	5315.1	3535.8	1728.0	1104.7	819.4	803.1	816.7	862.6	899.1	931.6
37.5°	6460.4	5645.0	3549.3	1656.3	1060.0	786.9	761.2	805.9	832.9	884.3	900.5
40°	6682.1	5884.4	3584.4	1611.7	1024.9	745.0	745.0	774.8	811.3	858.6	891.0
42.5°	6824.1	6058.8	3610.1	1571.1	957.3	732.8	726.1	755.8	804.5	850.5	865.3
44°	6910.6	6133.1	3584.4	1533.3	938.4	718.0	718.0	743.7	781.5	835.6	853.2
45°	6932.2	6226.4	3527.6	1531.9	915.4	700.4	697.7	746.4	772.1	838.3	849.1
47.5°	7016.1	6341.4	3534.4	1488.7	859.9	658.5	705.8	727.4	750.4	808.6	845.1
50°	7013.4	6413.0	3519.5	1425.1	819.4	611.2	689.6	713.9	736.9	796.4	811.3
52.5°	7032.3	6680.7	3656.1	1323.7	746.4	550.3	635.5	689.6	718.0	768.0	799.1
55°	7022.8	6833.5	3791.3	1248.0	643.6	513.8	589.5	653.1	693.6	746.4	761.2
57.5°	6414.4	6039.8	3508.7	1106.0	532.7	470.5	524.6	615.2	666.6	720.7	739.6
60°	5240.8	4655.3	2893.5	814.0	438.1	432.7	488.1	603.0	624.7	672.0	704.4
62.5°	4843.2	4083.4	2294.5	622.0	374.5	396.2	450.3	544.9	578.7	636.8	666.6
65°	3789.9	2712.3	1421.1	420.5	329.9	355.6	407.0	477.3	532.7	586.8	622.0
67.5°	2244.5	1481.9	703.1	294.8	288.0	315.0	367.8	420.5	484.1	543.5	561.1
70°	1222.3	728.8	300.2	224.4	244.7	269.1	320.4	357.0	417.8	463.8	493.5
72.5°	392.1	221.7	150.1	166.3	186.6	215.0	246.1	290.7	334.0	361.0	385.3
75°	94.6	93.3	106.8	116.3	135.2	156.8	182.5	205.5	239.3	265.0	286.6
77.5°	66.3	71.7	82.5	96.0	102.8	110.9	127.1	144.7	159.5	178.5	192.0
80°	51.4	55.4	63.5	70.3	77.1	83.8	91.9	98.7	108.2	120.3	127.1
82.5°	48.7	51.4	59.5	63.5	60.8	59.5	64.9	67.6	69.0	73.0	77.1
85°	4.1	0.0	2.7	9.5	23.0	33.8	36.5	36.5	35.2	37.9	37.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.4	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: P527950

CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7
2.5°	3656.1	3610.1	3627.7	3649.3	3618.2	3546.6	3565.5	3557.4	3630.4	3625.0	3698.0
5°	3065.2	2993.6	3001.7	3107.1	3073.3	3109.8	3036.8	3027.4	3040.9	3047.6	3059.8
7.5°	2345.9	2336.4	2417.6	2506.8	2548.7	2505.4	2433.8	2417.6	2402.7	2372.9	2440.5
10°	1914.6	1917.3	1911.9	1979.5	2026.8	2017.3	1974.1	1968.7	1940.3	1929.5	1967.3
12.5°	1709.1	1672.6	1655.0	1633.3	1669.8	1694.2	1675.3	1661.7	1663.1	1676.6	1682.0
15°	1510.3	1487.3	1449.5	1425.1	1442.7	1430.5	1423.8	1450.8	1444.0	1441.3	1473.8
17.5°	1287.2	1306.1	1303.4	1276.4	1299.4	1289.9	1288.6	1269.6	1243.9	1225.0	1235.8
20°	1139.8	1175.0	1202.0	1203.4	1215.5	1214.2	1193.9	1135.8	1116.8	1112.8	1115.5
22.5°	1087.1	1106.0	1138.5	1184.4	1184.4	1162.8	1138.5	1070.9	1053.3	1034.4	1026.2
25°	1045.2	1081.7	1123.6	1129.0	1150.6	1130.4	1091.1	1057.3	1020.8	995.1	995.1
27.5°	1023.5	1064.1	1095.2	1104.7	1134.4	1118.2	1077.6	1034.4	991.1	989.7	966.8
30°	1014.1	1051.9	1072.2	1095.2	1108.7	1083.0	1070.9	1024.9	981.6	970.8	933.0
32.5°	985.7	1039.8	1077.6	1072.2	1083.0	1072.2	1054.6	1016.8	968.1	943.8	939.7
35°	953.2	1007.3	1047.9	1076.3	1083.0	1060.0	1049.2	997.9	931.6	919.4	877.5
37.5°	935.7	968.1	1018.1	1064.1	1073.6	1061.4	1024.9	972.2	905.9	892.4	855.9
40°	914.0	955.9	995.1	1033.0	1061.4	1031.7	989.7	938.4	908.6	868.1	857.2
42.5°	897.8	945.1	977.6	1019.5	1051.9	1012.7	964.0	928.9	887.0	859.9	828.8
44°	892.4	935.7	957.3	1008.7	1035.7	1006.0	965.4	928.9	880.2	855.9	828.8
45°	873.5	933.0	955.9	1001.9	1024.9	1000.6	949.2	912.7	877.5	847.8	819.4
47.5°	854.5	895.1	934.3	970.8	987.0	978.9	935.7	891.0	849.1	831.5	804.5
50°	849.1	889.7	926.2	960.0	978.9	962.7	923.5	880.2	831.5	803.1	780.2
52.5°	822.1	872.1	912.7	923.5	947.8	938.4	908.6	861.3	815.3	791.0	772.1
55°	782.9	835.6	891.0	904.6	939.7	924.8	880.2	835.6	796.4	759.9	735.5
57.5°	768.0	819.4	873.5	891.0	912.7	888.3	877.5	830.2	768.0	749.1	711.2
60°	730.1	795.0	839.7	880.2	881.6	874.8	855.9	801.8	750.4	715.3	688.2
62.5°	700.4	761.2	796.4	834.2	857.2	838.3	819.4	769.3	713.9	674.7	643.6
65°	657.1	712.6	742.3	765.3	791.0	788.3	755.8	719.3	661.2	630.1	600.3
67.5°	590.9	639.5	680.1	701.7	718.0	713.9	689.6	663.9	604.4	573.3	551.7
70°	511.1	561.1	586.8	599.0	615.2	623.3	604.4	592.2	539.5	498.9	478.6
72.5°	411.0	443.5	481.3	492.2	498.9	504.3	504.3	493.5	439.4	423.2	388.1
75°	302.9	328.6	357.0	357.0	369.1	370.5	373.2	366.4	325.9	304.2	296.1
77.5°	205.5	224.4	247.4	256.9	265.0	263.7	262.3	243.4	221.7	212.3	204.2
80°	133.9	152.8	163.6	175.8	183.9	182.5	185.2	171.7	162.3	146.0	148.7
82.5°	79.8	94.6	105.5	120.3	120.3	124.4	124.4	120.3	110.9	102.8	102.8
85°	37.9	50.0	56.8	66.3	71.7	73.0	64.9	55.4	46.0	41.9	46.0
87.5°	6.8	9.5	13.5	12.2	14.9	13.5	13.5	13.5	13.5	10.8	12.2
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: P527950

CATALOG NUMBER: GALN-SA3A-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7	4130.7
2.5°	3671.0	3738.6	3785.9	3864.3	3999.5	4107.7	4218.6	4301.0	4310.5	4334.8
5°	3104.4	3140.9	3261.3	3418.1	3529.0	3711.5	3829.2	4042.8	4122.6	4207.7
7.5°	2424.3	2483.8	2644.7	2750.2	2993.6	3222.1	3458.7	3722.3	3827.8	3840.0
10°	2044.4	2130.9	2240.4	2409.4	2542.0	2796.2	3090.9	3384.3	3501.9	3522.2
12.5°	1795.6	1906.5	2052.5	2174.2	2301.3	2523.0	2805.6	3168.0	3320.8	3412.7
15°	1556.3	1671.2	1832.1	2001.1	2113.3	2378.4	2711.0	3119.3	3318.1	3399.2
17.5°	1310.2	1417.0	1549.5	1732.0	1957.8	2255.3	2696.1	3281.6	3499.2	3593.9
20°	1099.3	1158.8	1312.9	1500.8	1783.4	2129.6	2701.5	3520.9	3840.0	3881.9
22.5°	1016.8	1030.3	1091.1	1264.2	1573.8	2001.1	2797.5	3860.3	4222.6	4360.5
25°	953.2	950.5	966.8	1083.0	1421.1	1951.1	2892.1	4172.6	4647.2	4797.3
27.5°	918.1	891.0	892.4	1001.9	1312.9	1870.0	3013.8	4530.9	5128.5	5194.8
30°	900.5	895.1	878.9	923.5	1195.3	1748.3	3034.1	4883.8	5412.5	5508.5
32.5°	889.7	837.0	816.7	832.9	1084.4	1615.8	3109.8	5116.4	5764.0	5722.1
35°	835.6	788.3	774.8	791.0	1006.0	1541.4	3059.8	5319.2	6027.7	6098.0
37.5°	815.3	773.4	746.4	732.8	933.0	1479.2	3034.1	5631.5	6283.2	6452.2
40°	796.4	751.8	719.3	705.8	876.2	1396.7	3026.0	5872.2	6578.0	6679.4
42.5°	774.8	746.4	709.9	685.5	807.2	1314.2	2932.7	5946.6	6668.6	6778.1
44°	768.0	724.7	686.9	678.8	780.2	1272.3	2913.8	6014.2	6747.0	6913.3
45°	761.2	720.7	677.4	666.6	770.7	1249.3	2888.1	6030.4	6876.8	6907.9
47.5°	742.3	716.6	674.7	645.0	750.4	1199.3	2811.0	5938.4	6744.3	6749.7
50°	727.4	697.7	654.4	596.3	723.4	1157.4	2846.2	5904.6	6425.2	6437.4
52.5°	711.2	666.6	642.2	542.2	678.8	1122.2	2920.5	6057.4	6461.7	6459.0
55°	692.3	643.6	584.1	496.2	604.4	1077.6	3100.4	6358.9	6799.7	6845.7
57.5°	662.5	620.6	535.4	455.7	519.2	992.4	3042.2	5781.6	6256.2	6264.3
60°	623.3	584.1	485.4	424.6	425.9	782.9	2720.4	4505.2	4936.5	5054.2
62.5°	585.5	563.8	443.5	379.9	362.4	623.3	2299.9	3744.0	4237.5	4334.8
65°	540.8	488.1	407.0	346.1	311.0	436.7	1629.3	2797.5	3305.9	3437.0
67.5°	484.1	427.3	358.3	304.2	266.4	292.1	841.0	1590.1	2105.2	2182.3
70°	423.2	370.5	301.5	256.9	215.0	201.5	370.5	758.5	1150.6	1230.4
72.5°	347.5	298.8	240.7	202.8	160.9	139.3	124.4	202.8	408.3	474.6
75°	251.5	217.7	181.2	144.7	113.6	89.2	73.0	60.8	67.6	73.0
77.5°	185.2	158.2	133.9	102.8	79.8	63.5	50.0	37.9	36.5	35.2
80°	144.7	128.4	106.8	82.5	62.2	47.3	35.2	25.7	23.0	23.0
82.5°	113.6	105.5	87.9	67.6	51.4	37.9	25.7	17.6	14.9	14.9
85°	43.3	43.3	63.5	55.4	39.2	27.0	17.6	9.5	8.1	8.1
87.5°	10.8	10.8	10.8	10.8	9.5	8.1	8.1	4.1	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)