

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: P527482

Luminaire Tested: **GALN-SA2C-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527482
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-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 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: 9590 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

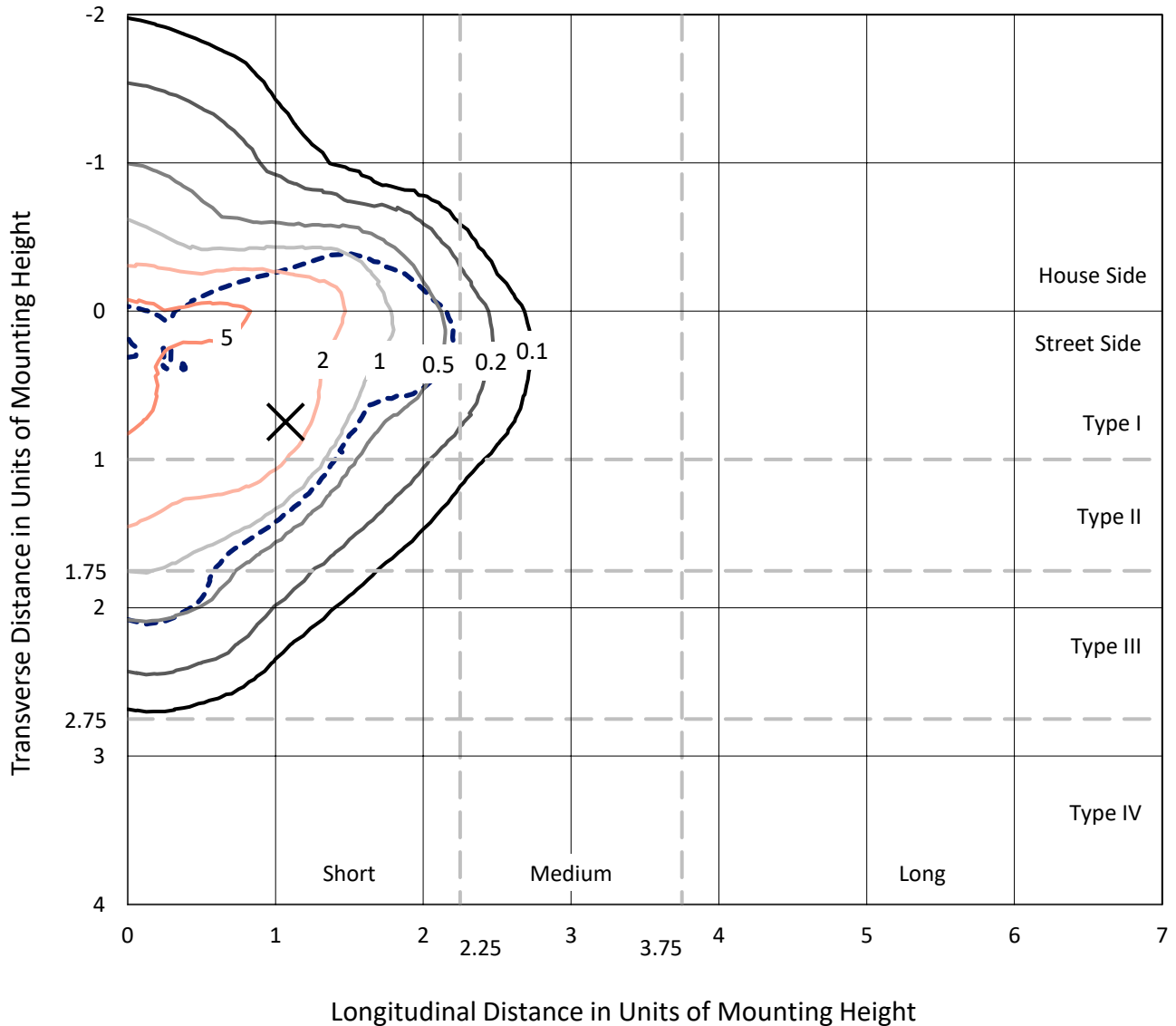
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

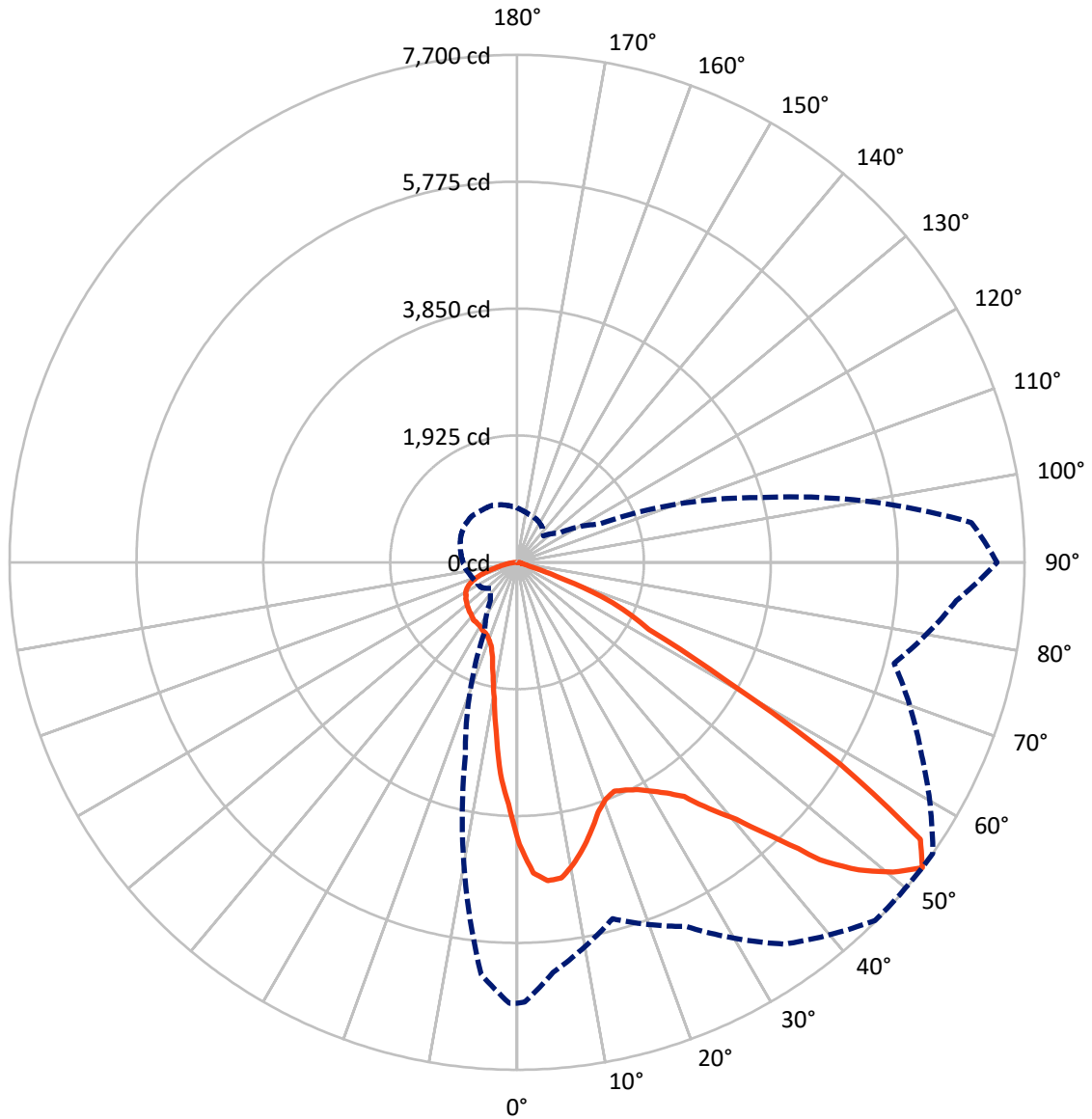
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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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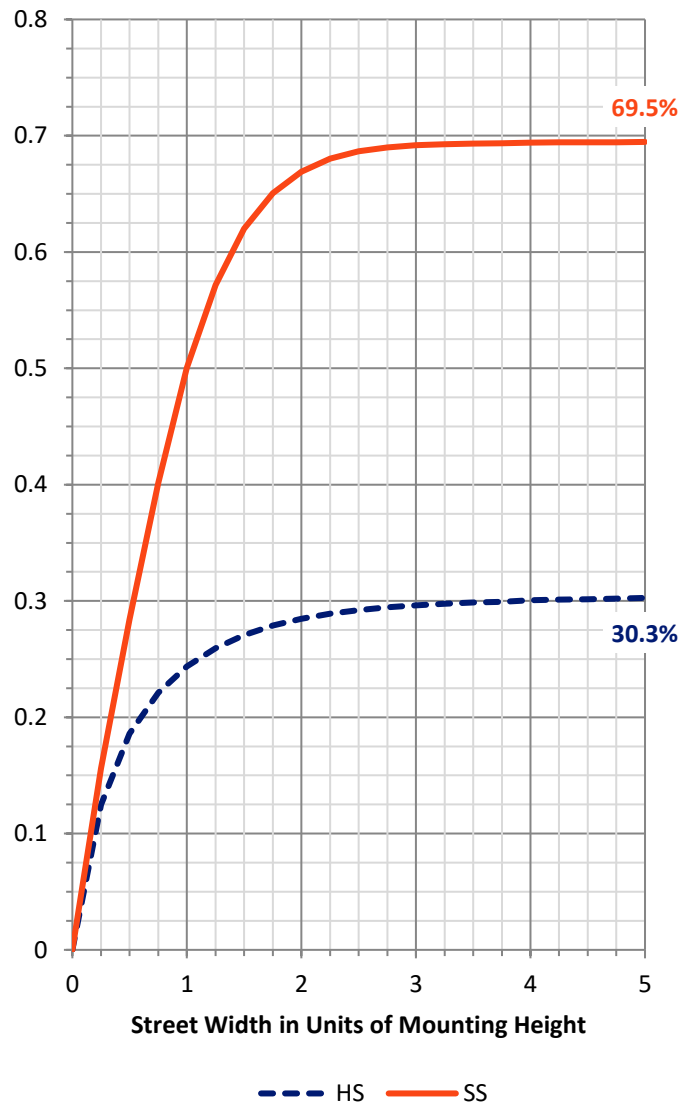
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2925.5	0.0	2925.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	6664.5	0.0	6664.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	9590.0	0.0	9590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.8	3.4
10°-20°	704.7	7.3
20°-30°	1068.5	11.1
30°-40°	1543.8	16.1
40°-50°	2063.0	21.5
50°-60°	2302.7	24.0
60°-70°	1263.2	13.2
70°-80°	273.1	2.8
80°-90°	44.2	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°	9590.0	100.0
0°-180°	9590.0	100.0

Coefficient of Utilization



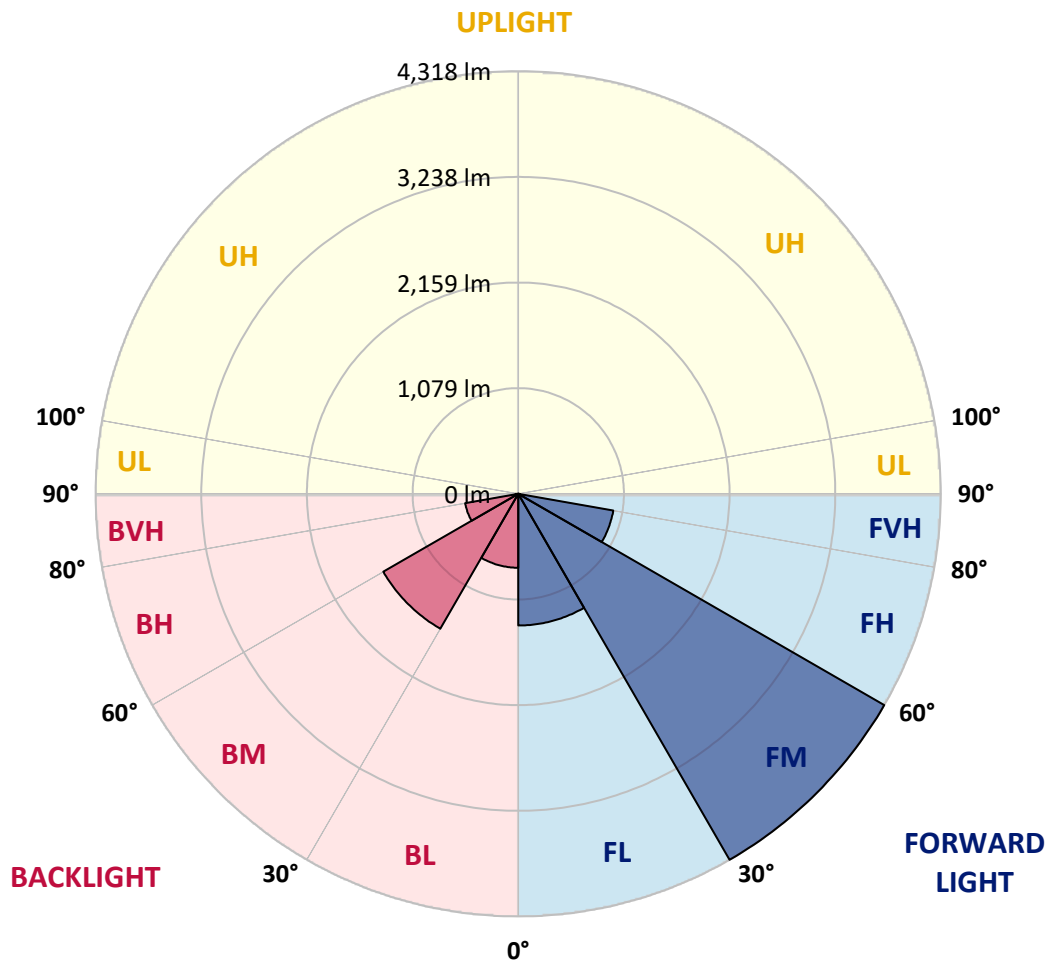
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.7	14.0			
FM (30°-60°)	4317.9	45.0			
FH (60°-80°)	985.6	10.3			G1/1800
FVH (80°-90°)	16.4	0.2			G1/100
BL (0°-30°)	755.3	7.9	B2/1000		
BM (30°-60°)	1591.7	16.6	B2/2500		
BH (60°-80°)	550.6	5.7	B2/1000		G2/1000
BVH (80°-90°)	27.8	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°	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9
2.5°	4489.3	4464.1	4486.5	4592.9	4654.6	4696.6	4723.2	4719.0	4618.2	4520.1	4520.1
5°	4357.7	4325.5	4371.7	4612.6	4854.8	4875.8	4910.8	4853.4	4705.0	4525.7	4301.7
7.5°	3976.8	4000.6	4077.6	4394.1	4709.2	4867.4	4909.4	4836.6	4595.7	4261.1	3932.0
10°	3647.8	3703.8	3881.6	4223.3	4513.1	4719.0	4765.2	4663.0	4472.5	4062.2	3768.2
12.5°	3534.3	3499.3	3696.8	4038.4	4315.7	4426.3	4447.3	4454.3	4325.5	3961.4	3602.9
15°	3520.3	3542.7	3696.8	3955.8	4126.7	4132.3	4167.3	4221.9	4238.7	4030.0	3680.0
17.5°	3722.0	3695.4	3853.6	4059.4	3978.2	3897.0	3905.4	3983.8	4122.4	4088.8	3922.2
20°	4020.2	4080.4	4205.1	4184.1	3965.6	3759.8	3761.2	3835.4	4108.4	4332.5	4259.7
22.5°	4515.9	4574.7	4667.2	4413.7	3965.6	3719.2	3671.6	3772.4	4198.1	4622.4	4640.6
25°	4968.2	5076.0	5101.3	4803.0	4164.5	3757.0	3726.2	3825.6	4287.7	4905.2	5077.4
27.5°	5379.9	5419.1	5529.7	5053.6	4275.1	3782.2	3779.4	3906.8	4401.1	5046.6	5468.1
30°	5704.8	5700.6	5763.6	5211.9	4451.5	3923.6	3787.8	4028.6	4549.5	5280.5	5829.4
32.5°	5926.0	5973.6	6106.7	5431.7	4525.7	4058.0	3951.6	4171.5	4730.2	5391.1	6084.3
35°	6315.3	6397.9	6229.9	5553.5	4761.0	4191.1	4066.4	4366.1	4819.8	5511.5	6396.5
37.5°	6682.2	6619.2	6448.3	5619.4	4913.6	4437.5	4321.3	4742.8	5098.5	5773.4	6603.8
40°	6917.4	6916.0	6612.2	5672.6	5021.4	4814.2	4807.2	5125.1	5440.1	5938.6	6836.2
42.5°	7019.6	7117.7	6679.4	5667.0	5248.3	5270.7	5412.1	5696.4	5682.4	5972.2	6830.6
44°	7159.7	7218.5	6795.6	5679.6	5399.5	5578.7	5912.0	6092.7	5893.8	5954.0	6823.6
45°	7154.1	7158.3	6630.4	5696.4	5528.3	5836.4	6134.7	6439.9	6080.1	5914.8	6916.0
47.5°	6990.2	6942.6	6490.3	5571.7	5930.2	6516.9	6792.8	6977.6	6309.7	5830.8	6801.2
50°	6666.8	6612.2	6150.1	5518.5	6014.2	6939.8	7320.7	7387.9	6518.3	5748.2	6687.8
52.5°	6689.2	6673.8	6246.7	5598.4	6098.3	7072.9	7683.4	7700.2	6755.0	5921.8	6689.2
55°	7089.7	7036.5	6523.9	5697.8	6036.6	6917.4	7452.3	7422.9	6675.2	5816.8	6812.4
57.5°	6487.5	6522.5	6140.3	5304.3	5283.3	5623.6	5858.8	5786.0	5570.3	5249.7	6337.7
60°	5234.3	5333.7	5370.1	4436.1	3986.6	3811.6	3741.6	3612.7	3649.2	4312.9	5567.5
62.5°	4489.3	4483.7	4712.0	4021.6	2611.5	2246.1	2212.5	2241.9	2661.9	4245.7	5452.7
65°	3559.5	3654.8	3724.8	3408.3	2066.8	1667.7	1666.3	1852.6	2303.5	3548.3	4402.5
67.5°	2260.1	2384.7	2471.5	2180.2	1382.1	1187.4	1155.2	1379.3	1596.3	2327.3	2650.7
70°	1274.3	1333.1	1372.3	1257.5	879.4	616.1	579.7	632.9	964.8	1506.7	1571.1
72.5°	491.5	518.1	571.3	575.5	331.9	198.8	161.0	193.2	406.1	596.5	568.5
75°	75.6	81.2	114.8	137.2	95.2	72.8	77.0	79.8	113.4	154.0	128.8
77.5°	36.4	36.4	35.0	40.6	47.6	51.8	56.0	61.6	67.2	74.2	71.4
80°	23.8	23.8	23.8	28.0	35.0	42.0	47.6	50.4	53.2	58.8	56.0
82.5°	15.4	15.4	15.4	21.0	28.0	35.0	37.8	44.8	50.4	58.8	54.6
85°	8.4	8.4	8.4	14.0	21.0	29.4	28.0	22.4	12.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9
2.5°	4402.5	4338.1	4332.5	4200.9	4083.2	4025.8	3979.6	3850.8	3878.8	3804.6	3803.2
5°	4189.7	4058.0	3845.2	3670.2	3495.1	3460.1	3307.5	3174.5	3178.7	3083.4	3100.2
7.5°	3807.4	3716.4	3457.3	3182.9	2950.4	2785.2	2640.9	2554.1	2443.5	2405.7	2386.1
10°	3565.1	3453.1	3161.9	2817.4	2556.9	2468.7	2330.1	2253.1	2139.6	2083.6	2044.4
12.5°	3458.7	3294.9	2930.8	2580.7	2407.1	2316.1	2198.5	2058.4	1924.0	1872.2	1800.8
15°	3469.9	3273.9	2863.6	2485.5	2276.9	2100.4	1995.4	1840.0	1702.8	1611.7	1559.9
17.5°	3639.4	3401.3	2894.4	2412.7	2113.0	1891.8	1685.9	1517.9	1408.7	1340.1	1323.3
20°	4039.8	3716.4	2946.2	2295.1	1949.2	1673.3	1419.9	1244.9	1160.8	1159.4	1160.8
22.5°	4373.1	4052.4	3051.2	2225.1	1785.4	1393.3	1141.2	1085.2	1068.4	1103.4	1107.6
25°	4822.6	4430.5	3231.9	2188.7	1634.1	1187.4	1032.0	1011.0	1009.6	1054.4	1055.8
27.5°	5283.3	4761.0	3339.7	2082.2	1480.1	1081.0	966.2	962.0	984.4	1032.0	1027.8
30°	5597.0	5038.2	3534.3	1954.8	1298.1	987.2	939.6	945.2	976.0	1012.4	1018.0
32.5°	5962.4	5311.3	3584.7	1884.8	1186.0	908.8	875.2	887.8	927.0	984.4	1015.2
35°	6381.1	5504.5	3661.8	1789.6	1144.0	848.6	831.8	845.8	893.4	931.2	964.8
37.5°	6690.6	5846.2	3675.8	1715.4	1097.8	815.0	788.4	834.6	862.6	915.8	932.6
40°	6920.2	6094.1	3712.2	1669.1	1061.4	771.6	771.6	802.4	840.2	889.2	922.8
42.5°	7067.3	6274.7	3738.8	1627.1	991.4	759.0	752.0	782.8	833.2	880.8	896.2
44°	7156.9	6351.7	3712.2	1587.9	971.8	743.6	743.6	770.2	809.4	865.4	883.6
45°	7179.3	6448.3	3653.4	1586.5	948.0	725.3	722.5	773.0	799.6	868.2	879.4
47.5°	7266.1	6567.4	3660.4	1541.7	890.6	681.9	731.0	753.4	777.2	837.4	875.2
50°	7263.3	6641.6	3645.0	1475.9	848.6	632.9	714.1	739.4	763.2	824.8	840.2
52.5°	7282.9	6918.8	3786.4	1370.9	773.0	569.9	658.1	714.1	743.6	795.4	827.6
55°	7273.1	7077.1	3926.4	1292.5	666.5	532.1	610.5	676.3	718.3	773.0	788.4
57.5°	6643.0	6255.1	3633.7	1145.4	551.7	487.3	543.3	637.1	690.3	746.4	766.0
60°	5427.5	4821.2	2996.6	843.0	453.7	448.1	505.5	624.5	646.9	695.9	729.6
62.5°	5015.8	4228.9	2376.3	644.1	387.9	410.3	466.3	564.3	599.3	659.5	690.3
65°	3925.0	2809.0	1471.7	435.5	341.7	368.3	421.5	494.3	551.7	607.7	644.1
67.5°	2324.5	1534.7	728.2	305.3	298.3	326.3	380.9	435.5	501.3	562.9	581.1
70°	1265.9	754.8	310.9	232.4	253.5	278.7	331.9	369.7	432.7	480.3	511.1
72.5°	406.1	229.6	155.4	172.2	193.2	222.6	254.9	301.1	345.9	373.9	399.1
75°	98.0	96.6	110.6	120.4	140.0	162.4	189.0	212.8	247.9	274.5	296.9
77.5°	68.6	74.2	85.4	99.4	106.4	114.8	131.6	149.8	165.2	184.8	198.8
80°	53.2	57.4	65.8	72.8	79.8	86.8	95.2	102.2	112.0	124.6	131.6
82.5°	50.4	53.2	61.6	65.8	63.0	61.6	67.2	70.0	71.4	75.6	79.8
85°	4.2	0.0	2.8	9.8	23.8	35.0	37.8	37.8	36.4	39.2	39.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.6	4.2
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°	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9
2.5°	3786.4	3738.8	3757.0	3779.4	3747.2	3673.0	3692.6	3684.2	3759.8	3754.2	3829.8
5°	3174.5	3100.2	3108.6	3217.9	3182.9	3220.7	3145.0	3135.2	3149.2	3156.3	3168.9
7.5°	2429.5	2419.7	2503.7	2596.1	2639.5	2594.7	2520.5	2503.7	2488.3	2457.5	2527.5
10°	1982.8	1985.6	1980.0	2050.0	2099.0	2089.2	2044.4	2038.8	2009.4	1998.2	2037.4
12.5°	1770.0	1732.2	1714.0	1691.5	1729.4	1754.6	1735.0	1721.0	1722.4	1736.4	1742.0
15°	1564.1	1540.3	1501.1	1475.9	1494.1	1481.5	1474.5	1502.5	1495.5	1492.7	1526.3
17.5°	1333.1	1352.7	1349.9	1321.9	1345.7	1335.9	1334.5	1314.9	1288.3	1268.7	1279.9
20°	1180.4	1216.9	1244.9	1246.3	1258.9	1257.5	1236.5	1176.2	1156.6	1152.4	1155.2
22.5°	1125.8	1145.4	1179.0	1226.7	1226.7	1204.2	1179.0	1109.0	1090.8	1071.2	1062.8
25°	1082.4	1120.2	1163.6	1169.2	1191.6	1170.6	1130.0	1095.0	1057.2	1030.6	1030.6
27.5°	1060.0	1102.0	1134.2	1144.0	1174.8	1158.0	1116.0	1071.2	1026.4	1025.0	1001.2
30°	1050.2	1089.4	1110.4	1134.2	1148.2	1121.6	1109.0	1061.4	1016.6	1005.4	966.2
32.5°	1020.8	1076.8	1116.0	1110.4	1121.6	1110.4	1092.2	1053.0	1002.6	977.4	973.2
35°	987.2	1043.2	1085.2	1114.6	1121.6	1097.8	1086.6	1033.4	964.8	952.2	908.8
37.5°	969.0	1002.6	1054.4	1102.0	1111.8	1099.2	1061.4	1006.8	938.2	924.2	886.4
40°	946.6	990.0	1030.6	1069.8	1099.2	1068.4	1025.0	971.8	941.0	899.0	887.8
42.5°	929.8	978.8	1012.4	1055.8	1089.4	1048.8	998.4	962.0	918.6	890.6	858.4
44°	924.2	969.0	991.4	1044.6	1072.6	1041.8	999.8	962.0	911.6	886.4	858.4
45°	904.6	966.2	990.0	1037.6	1061.4	1036.2	983.0	945.2	908.8	878.0	848.6
47.5°	885.0	927.0	967.6	1005.4	1022.2	1013.8	969.0	922.8	879.4	861.2	833.2
50°	879.4	921.4	959.2	994.2	1013.8	997.0	956.4	911.6	861.2	831.8	808.0
52.5°	851.4	903.2	945.2	956.4	981.6	971.8	941.0	892.0	844.4	819.2	799.6
55°	810.8	865.4	922.8	936.8	973.2	957.8	911.6	865.4	824.8	787.0	761.8
57.5°	795.4	848.6	904.6	922.8	945.2	920.0	908.8	859.8	795.4	775.8	736.6
60°	756.2	823.4	869.6	911.6	913.0	906.0	886.4	830.4	777.2	740.8	712.7
62.5°	725.3	788.4	824.8	864.0	887.8	868.2	848.6	796.8	739.4	698.7	666.5
65°	680.5	738.0	768.8	792.6	819.2	816.4	782.8	745.0	684.7	652.5	621.7
67.5°	611.9	662.3	704.3	726.7	743.6	739.4	714.1	687.5	625.9	593.7	571.3
70°	529.3	581.1	607.7	620.3	637.1	645.5	625.9	613.3	558.7	516.7	495.7
72.5°	425.7	459.3	498.5	509.7	516.7	522.3	522.3	511.1	455.1	438.3	401.9
75°	313.7	340.3	369.7	369.7	382.3	383.7	386.5	379.5	337.5	315.1	306.7
77.5°	212.8	232.4	256.3	266.1	274.5	273.1	271.7	252.1	229.6	219.8	211.4
80°	138.6	158.2	169.4	182.0	190.4	189.0	191.8	177.8	168.0	151.2	154.0
82.5°	82.6	98.0	109.2	124.6	124.6	128.8	128.8	124.6	114.8	106.4	106.4
85°	39.2	51.8	58.8	68.6	74.2	75.6	67.2	57.4	47.6	43.4	47.6
87.5°	7.0	9.8	14.0	12.6	15.4	14.0	14.0	14.0	14.0	11.2	12.6
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: P527482

CATALOG NUMBER: GALN-SA2C-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9	4277.9
2.5°	3801.8	3871.8	3920.8	4002.0	4142.1	4254.1	4368.9	4454.3	4464.1	4489.3
5°	3215.1	3252.9	3377.5	3539.9	3654.8	3843.8	3965.6	4186.9	4269.5	4357.7
7.5°	2510.7	2572.3	2739.0	2848.2	3100.2	3336.9	3581.9	3855.0	3964.2	3976.8
10°	2117.2	2206.9	2320.3	2495.3	2632.5	2895.8	3201.1	3504.9	3626.7	3647.8
12.5°	1859.6	1974.4	2125.6	2251.7	2383.3	2612.9	2905.6	3280.9	3439.1	3534.3
15°	1611.7	1730.8	1897.4	2072.4	2188.7	2463.1	2807.6	3230.5	3436.3	3520.3
17.5°	1356.9	1467.5	1604.7	1793.8	2027.6	2335.7	2792.2	3398.5	3623.9	3722.0
20°	1138.4	1200.0	1359.7	1554.3	1847.0	2205.5	2797.8	3646.4	3976.8	4020.2
22.5°	1053.0	1067.0	1130.0	1309.3	1629.9	2072.4	2897.2	3997.8	4373.1	4515.9
25°	987.2	984.4	1001.2	1121.6	1471.7	2020.6	2995.2	4321.3	4812.8	4968.2
27.5°	950.8	922.8	924.2	1037.6	1359.7	1936.6	3121.2	4692.4	5311.3	5379.9
30°	932.6	927.0	910.2	956.4	1237.9	1810.6	3142.2	5057.8	5605.4	5704.8
32.5°	921.4	866.8	845.8	862.6	1123.0	1673.3	3220.7	5298.7	5969.4	5926.0
35°	865.4	816.4	802.4	819.2	1041.8	1596.3	3168.9	5508.7	6242.5	6315.3
37.5°	844.4	801.0	773.0	759.0	966.2	1531.9	3142.2	5832.2	6507.1	6682.2
40°	824.8	778.6	745.0	731.0	907.4	1446.5	3133.8	6081.5	6812.4	6917.4
42.5°	802.4	773.0	735.2	709.9	836.0	1361.1	3037.2	6158.5	6906.2	7019.6
44°	795.4	750.6	711.3	702.9	808.0	1317.7	3017.6	6228.5	6987.4	7159.7
45°	788.4	746.4	701.5	690.3	798.2	1293.9	2991.0	6245.3	7121.9	7154.1
47.5°	768.8	742.2	698.7	667.9	777.2	1242.1	2911.2	6150.1	6984.6	6990.2
50°	753.4	722.5	677.7	617.5	749.2	1198.6	2947.6	6115.1	6654.2	6666.8
52.5°	736.6	690.3	665.1	561.5	702.9	1162.2	3024.6	6273.3	6692.0	6689.2
55°	716.9	666.5	604.9	513.9	625.9	1116.0	3210.9	6585.6	7042.1	7089.7
57.5°	686.1	642.7	554.5	471.9	537.7	1027.8	3150.6	5987.6	6479.1	6487.5
60°	645.5	604.9	502.7	439.7	441.1	810.8	2817.4	4665.8	5112.5	5234.3
62.5°	606.3	583.9	459.3	393.5	375.3	645.5	2381.9	3877.4	4388.5	4489.3
65°	560.1	505.5	421.5	358.5	322.1	452.3	1687.3	2897.2	3423.7	3559.5
67.5°	501.3	442.5	371.1	315.1	275.9	302.5	871.0	1646.7	2180.2	2260.1
70°	438.3	383.7	312.3	266.1	222.6	208.6	383.7	785.6	1191.6	1274.3
72.5°	359.9	309.5	249.3	210.0	166.6	144.2	128.8	210.0	422.9	491.5
75°	260.5	225.4	187.6	149.8	117.6	92.4	75.6	63.0	70.0	75.6
77.5°	191.8	163.8	138.6	106.4	82.6	65.8	51.8	39.2	37.8	36.4
80°	149.8	133.0	110.6	85.4	64.4	49.0	36.4	26.6	23.8	23.8
82.5°	117.6	109.2	91.0	70.0	53.2	39.2	26.6	18.2	15.4	15.4
85°	44.8	44.8	65.8	57.4	40.6	28.0	18.2	9.8	8.4	8.4
87.5°	11.2	11.2	11.2	11.2	9.8	8.4	8.4	4.2	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)