

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: P527484

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
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-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT 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 III - Short
BUG Rating: B2 - U0 - G2

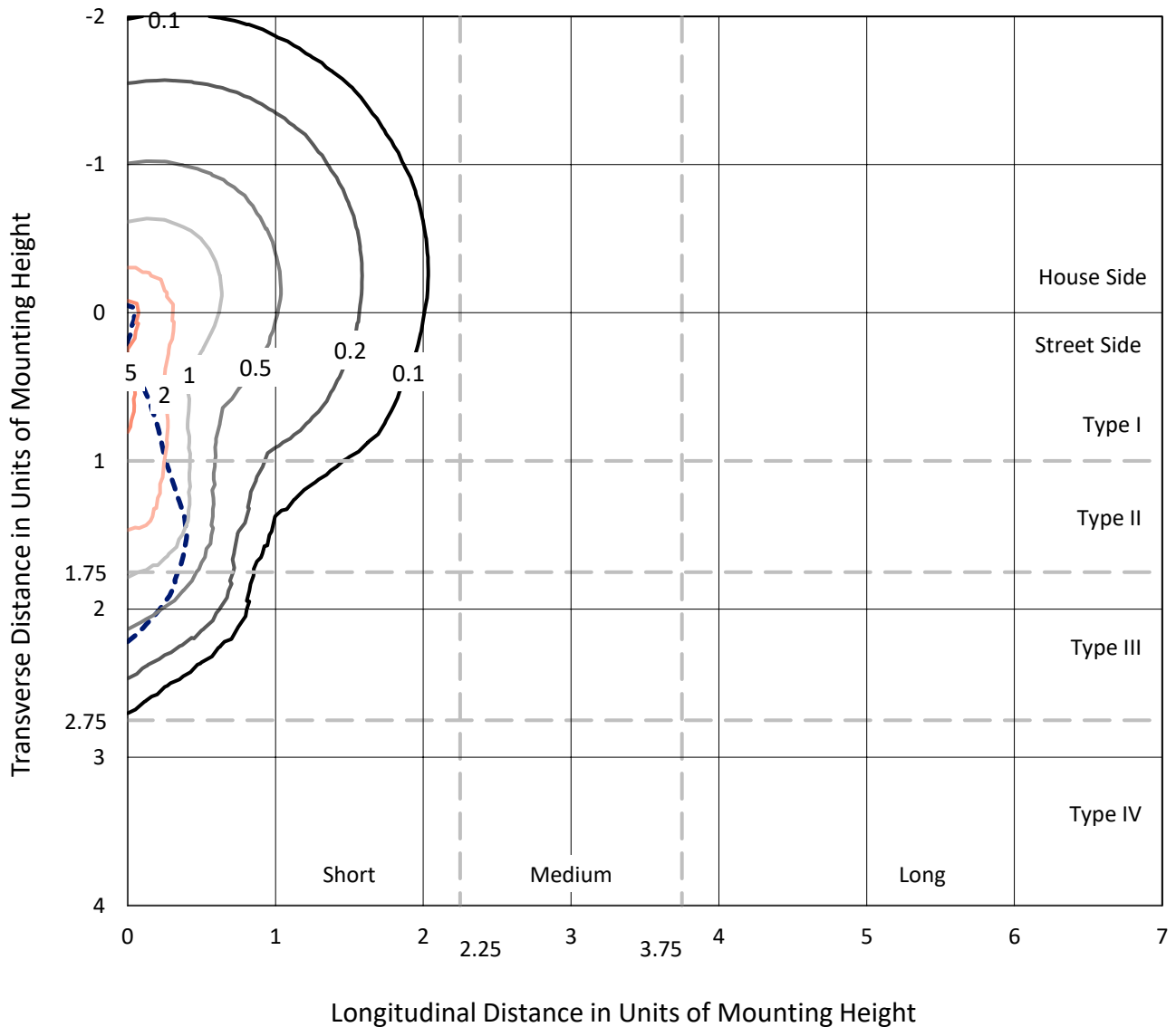
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

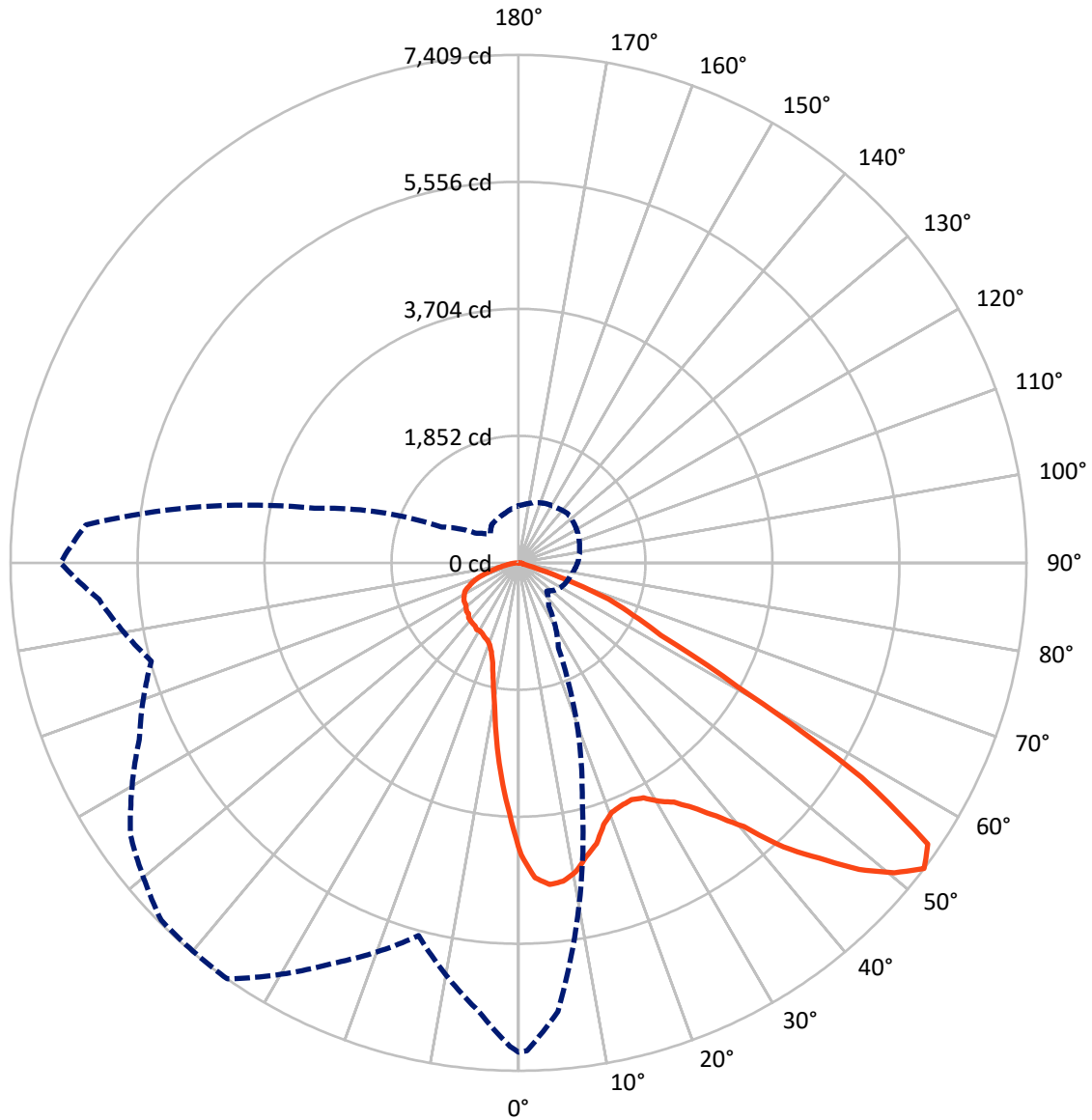
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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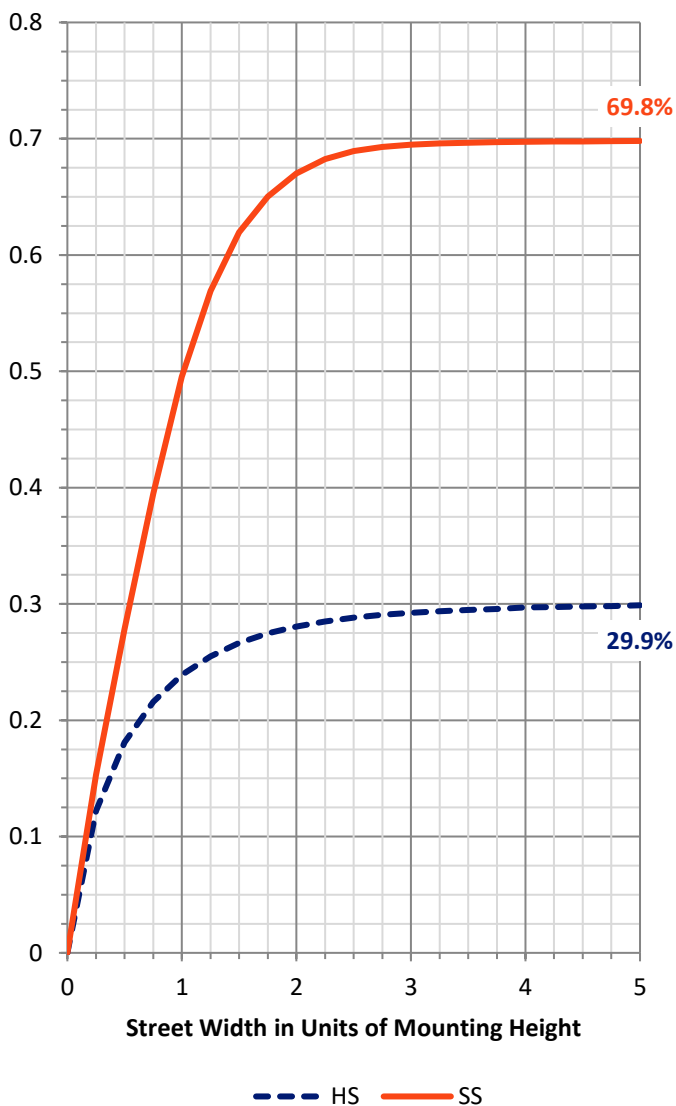
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2891.0	0.0	2891.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	6699.0	0.0	6699.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	9590.0	0.0	9590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.7	3.4
10°-20°	703.9	7.3
20°-30°	1063.5	11.1
30°-40°	1536.9	16.0
40°-50°	2045.3	21.3
50°-60°	2287.7	23.9
60°-70°	1289.4	13.4
70°-80°	287.4	3.0
80°-90°	51.2	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



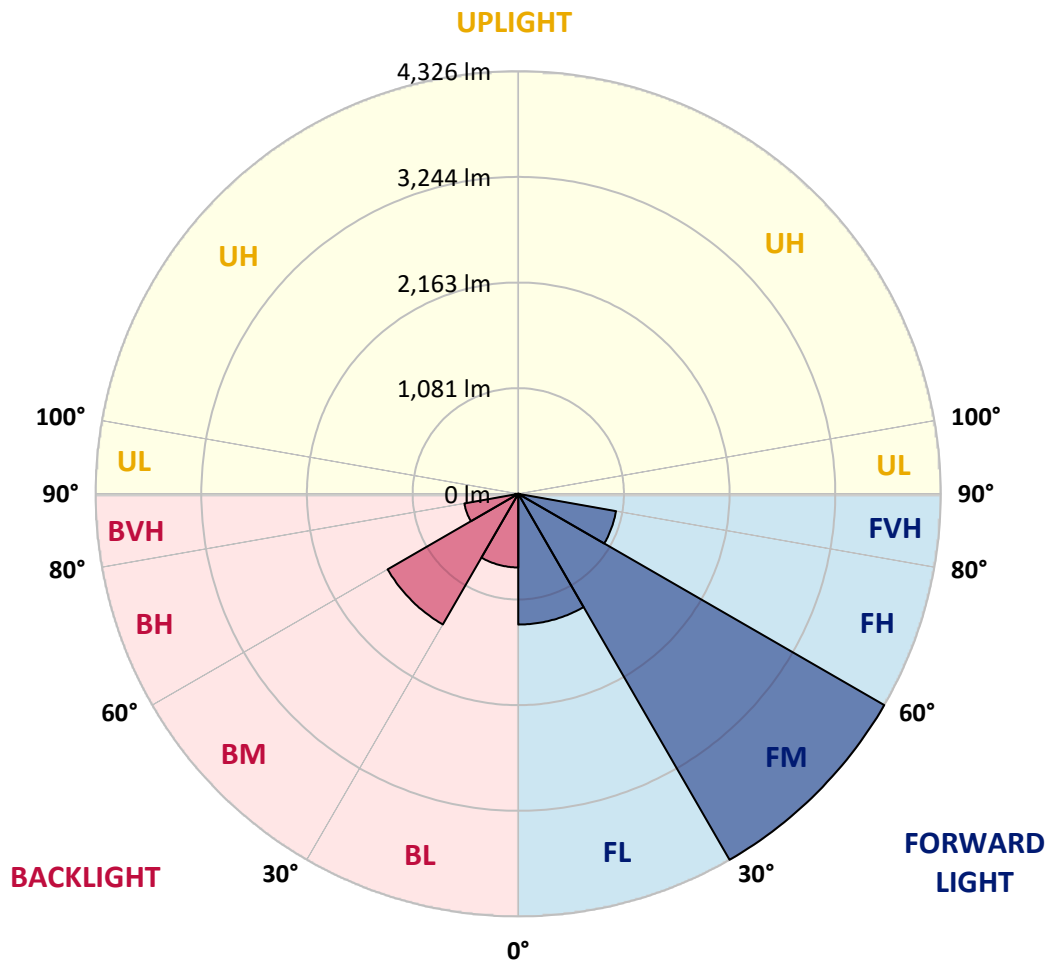
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1338.3	14.0			
FM (30°-60°)	4325.8	45.1			
FH (60°-80°)	1016.4	10.6			G1/1800
FVH (80°-90°)	18.5	0.2			G1/100
BL (0°-30°)	753.9	7.9	B2/1000		
BM (30°-60°)	1544.1	16.1	B2/2500		
BH (60°-80°)	560.4	5.8	B2/1000		G2/1000
BVH (80°-90°)	32.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1
2.5°	4327.0	4396.5	4321.4	4188.0	4093.5	4007.3	3916.9	3898.9	3780.7	3759.9	3673.7
5°	4081.0	4065.7	3973.9	3798.8	3605.6	3430.5	3301.2	3176.1	3091.3	2992.6	2985.7
7.5°	3782.1	3693.2	3640.3	3374.9	3135.8	2860.6	2742.4	2552.0	2492.2	2403.3	2357.4
10°	3515.2	3449.9	3326.2	3060.7	2727.1	2545.0	2418.6	2315.7	2246.2	2154.5	2039.1
12.5°	3383.2	3356.8	3217.8	2806.4	2558.9	2364.3	2275.4	2175.3	2057.2	1909.8	1852.8
15°	3406.8	3317.9	3212.2	2757.7	2415.8	2228.1	2086.4	1961.3	1809.7	1669.4	1587.4
17.5°	3583.4	3515.2	3304.0	2788.3	2361.6	2090.5	1833.4	1648.5	1512.3	1385.8	1328.8
20°	3930.8	3832.2	3594.5	2827.2	2244.8	1898.7	1604.0	1376.1	1230.1	1163.4	1143.9
22.5°	4315.9	4257.5	3878.0	2914.8	2151.7	1720.8	1360.8	1132.8	1078.6	1060.6	1096.7
25°	4784.3	4632.8	4318.6	3057.9	2079.4	1569.3	1155.1	1028.6	1000.8	1018.9	1060.6
27.5°	5140.1	5099.8	4627.2	3192.8	1980.7	1387.2	1039.7	956.3	964.6	982.7	1021.6
30°	5562.7	5358.4	4926.1	3285.9	1891.8	1262.1	959.1	936.8	945.2	975.8	995.2
32.5°	5817.0	5740.6	5113.7	3426.3	1788.9	1153.7	896.5	875.7	888.2	934.1	979.9
35°	6140.9	5989.4	5345.8	3462.4	1716.6	1110.6	852.1	836.8	866.0	897.9	949.4
37.5°	6519.0	6414.7	5666.9	3437.4	1677.7	1066.1	814.5	807.6	828.4	872.9	932.7
40°	6742.8	6710.8	5835.1	3452.7	1616.5	1027.2	771.4	779.8	822.9	857.6	916.0
42.5°	6958.2	6749.7	6083.9	3447.1	1577.6	974.4	775.6	765.9	799.2	839.5	895.1
45°	7005.5	6798.4	6142.3	3408.2	1530.4	922.9	743.6	747.8	788.1	838.2	874.3
47.5°	6974.9	6822.0	6250.7	3397.1	1485.9	886.8	696.4	746.4	770.0	810.4	861.8
50°	6954.0	6945.7	6342.5	3449.9	1426.1	829.8	639.4	728.3	752.0	792.3	847.9
52.5°	7137.5	7119.4	6571.8	3588.9	1378.9	768.7	581.0	682.5	739.5	778.4	832.6
55°	7248.7	7169.5	6965.2	3759.9	1299.6	688.0	540.7	625.5	708.9	743.6	799.2
57.5°	6520.4	6466.2	6300.8	3509.7	1166.2	582.4	490.7	567.1	667.2	721.4	778.4
60°	5425.1	5340.3	4916.3	2982.9	860.4	453.1	460.1	521.2	656.1	676.9	743.6
62.5°	5115.1	4905.2	4328.4	2400.5	660.2	389.2	412.8	479.5	597.7	632.4	699.2
65°	4058.7	3903.0	3096.9	1733.3	442.0	337.8	376.7	432.3	515.7	583.8	644.9
67.5°	2540.9	2392.1	1652.7	820.1	308.6	289.1	336.4	394.8	462.9	524.0	592.1
70°	1327.4	1164.8	763.1	296.1	212.7	236.3	280.8	336.4	403.1	453.1	506.0
72.5°	494.8	401.7	248.8	127.9	147.3	180.7	228.0	268.3	315.5	376.7	405.9
75°	76.4	65.3	63.9	77.8	100.1	130.7	162.6	202.9	244.6	283.6	303.0
77.5°	36.1	34.7	38.9	51.4	66.7	93.1	118.1	157.1	190.4	215.4	226.6
80°	23.6	22.2	25.0	34.7	50.0	69.5	94.5	120.9	151.5	172.4	169.6
82.5°	13.9	15.3	15.3	23.6	34.7	50.0	68.1	91.7	112.6	130.7	119.5
85°	8.3	6.9	6.9	13.9	23.6	40.3	57.0	38.9	40.3	40.3	45.9
87.5°	2.8	2.8	2.8	1.4	2.8	2.8	4.2	6.9	8.3	9.7	12.5
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°	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1
2.5°	3670.9	3714.0	3698.7	3644.5	3686.2	3693.2	3665.4	3761.3	3779.3	3750.2	3758.5
5°	2975.9	2987.1	3012.1	3064.9	3102.4	3146.9	3146.9	3149.7	3112.2	3206.7	3178.9
7.5°	2318.5	2325.4	2354.6	2467.2	2499.2	2584.0	2620.1	2595.1	2520.0	2488.1	2514.5
10°	2001.6	1961.3	1951.5	1965.4	2037.7	2073.8	2104.4	2096.1	2083.6	2058.6	2030.8
12.5°	1790.3	1761.1	1737.5	1704.1	1708.3	1743.0	1766.7	1747.2	1752.8	1758.3	1766.7
15°	1560.9	1540.1	1527.6	1477.5	1472.0	1495.6	1504.0	1515.1	1535.9	1537.3	1527.6
17.5°	1317.7	1299.6	1327.4	1355.2	1335.8	1337.2	1352.4	1362.2	1356.6	1331.6	1319.1
20°	1150.9	1170.4	1198.2	1224.6	1245.4	1257.9	1263.5	1248.2	1230.1	1178.7	1177.3
22.5°	1102.2	1127.3	1150.9	1191.2	1210.7	1242.6	1213.4	1178.7	1153.7	1128.7	1099.5
25°	1066.1	1087.0	1134.2	1149.5	1187.0	1213.4	1192.6	1157.8	1114.8	1078.6	1056.4
27.5°	1039.7	1063.3	1093.9	1135.6	1164.8	1180.1	1159.2	1145.3	1100.9	1057.8	1025.8
30°	1023.0	1048.0	1103.6	1138.4	1163.4	1175.9	1139.8	1123.1	1091.1	1055.0	1027.2
32.5°	1011.9	1034.1	1081.4	1125.9	1142.6	1142.6	1148.1	1128.7	1084.2	1023.0	999.4
35°	975.8	1006.3	1045.3	1096.7	1127.3	1145.3	1117.5	1095.3	1066.1	1003.6	960.5
37.5°	954.9	975.8	1025.8	1074.5	1100.9	1120.3	1109.2	1070.3	1031.4	979.9	945.2
40°	932.7	966.0	1010.5	1056.4	1085.6	1105.0	1096.7	1050.8	1003.6	954.9	931.3
42.5°	917.4	939.6	985.5	1036.9	1071.7	1109.2	1084.2	1027.2	993.8	927.1	900.7
45°	904.9	941.0	989.7	1010.5	1046.7	1085.6	1041.1	1006.3	967.4	918.8	896.5
47.5°	889.6	922.9	954.9	1010.5	1027.2	1045.3	1036.9	981.3	948.0	895.1	879.9
50°	884.0	896.5	954.9	985.5	1009.1	1027.2	1005.0	963.3	931.3	877.1	843.7
52.5°	861.8	885.4	922.9	963.3	992.4	1014.7	978.5	952.1	909.0	852.1	831.2
55°	834.0	847.9	914.6	956.3	971.6	986.9	973.0	929.9	885.4	827.0	806.2
57.5°	797.8	829.8	884.0	942.4	961.9	970.2	948.0	913.2	857.6	806.2	772.8
60°	760.3	793.7	853.4	900.7	920.2	950.7	917.4	896.5	832.6	775.6	739.5
62.5°	722.8	760.3	804.8	864.6	881.2	893.8	885.4	856.2	804.8	740.9	696.4
65°	678.3	706.1	761.7	792.3	803.4	832.6	803.4	792.3	746.4	685.3	647.7
67.5°	611.6	635.2	683.9	713.1	721.4	733.9	732.5	720.0	668.6	626.9	593.5
70°	535.1	556.0	586.6	621.3	625.5	640.8	626.9	624.1	590.7	533.8	515.7
72.5°	429.5	449.0	489.3	504.6	506.0	511.5	504.6	494.8	486.5	426.7	408.7
75°	329.4	340.5	360.0	373.9	373.9	380.9	376.7	367.0	344.7	307.2	289.1
77.5°	229.3	240.5	265.5	273.8	272.4	275.2	262.7	253.0	219.6	200.2	184.9
80°	166.8	173.7	186.3	191.8	193.2	197.4	182.1	173.7	154.3	132.0	125.1
82.5°	120.9	125.1	126.5	133.4	133.4	126.5	122.3	114.0	100.1	86.2	80.6
85°	50.0	51.4	52.8	61.2	62.5	75.1	69.5	65.3	57.0	48.6	44.5
87.5°	12.5	13.9	18.1	15.3	18.1	18.1	19.5	22.2	22.2	18.1	18.1
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°	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1
2.5°	3790.5	3801.6	3943.4	3961.4	4030.9	4101.8	4245.0	4347.8	4431.2	4485.4	4500.7
5°	3208.1	3278.9	3344.3	3449.9	3545.8	3682.0	3839.1	4033.7	4278.3	4403.4	4453.5
7.5°	2511.7	2595.1	2689.6	2792.5	2932.8	3177.5	3387.4	3612.5	3925.3	4054.6	4250.5
10°	2050.2	2143.3	2268.4	2347.7	2517.2	2750.8	2995.4	3255.3	3554.2	3740.4	3967.0
12.5°	1812.5	1889.0	2004.3	2171.1	2297.6	2449.1	2631.2	2959.3	3387.4	3563.9	3719.6
15°	1549.8	1634.6	1768.0	1952.9	2104.4	2285.1	2489.4	2846.7	3302.6	3575.0	3707.1
17.5°	1333.0	1394.1	1534.5	1694.4	1868.1	2065.5	2358.8	2841.1	3391.5	3740.4	3955.9
20°	1182.9	1191.2	1267.7	1403.9	1640.2	1897.3	2278.2	2813.3	3676.5	4025.4	4297.8
22.5°	1088.3	1080.0	1081.4	1196.8	1362.2	1731.9	2151.7	2907.8	4000.3	4478.5	4662.0
25°	1041.1	1018.9	1005.0	1030.0	1180.1	1535.9	2055.8	3032.9	4349.2	4852.4	5077.6
27.5°	1016.1	977.2	949.4	953.5	1063.3	1437.2	1996.0	3087.1	4695.3	5373.6	5452.9
30°	1006.3	957.7	917.4	903.5	975.8	1299.6	1868.1	3180.3	5005.3	5660.0	5728.1
32.5°	971.6	911.8	872.9	860.4	889.6	1178.7	1776.4	3247.0	5279.1	5971.3	5947.7
35°	931.3	881.2	832.6	809.0	829.8	1100.9	1702.7	3215.0	5601.6	6213.2	6200.7
37.5°	927.1	861.8	821.5	782.6	781.2	1005.0	1602.6	3245.6	5807.3	6646.9	6475.9
40°	891.0	849.3	796.5	764.5	746.4	956.3	1505.3	3173.3	6108.9	6822.0	6653.8
42.5°	892.4	829.8	783.9	746.4	728.3	885.4	1438.6	3153.9	6214.6	7106.9	6737.2
45°	870.1	809.0	770.0	725.6	715.8	831.2	1374.7	3063.5	6400.8	7120.8	6633.0
47.5°	847.9	793.7	752.0	699.2	676.9	811.7	1324.6	2988.4	6303.5	6990.2	6488.4
50°	832.6	770.0	731.1	693.6	631.0	778.4	1259.3	2970.4	6167.3	6813.7	6220.1
52.5°	806.2	750.6	710.3	681.1	581.0	747.8	1234.3	3076.0	6334.1	6681.6	6142.3
55°	781.2	724.2	672.7	615.8	539.3	667.2	1164.8	3174.7	6577.4	6986.0	6495.3
57.5°	754.8	700.5	644.9	576.8	499.0	583.8	1092.5	3192.8	6121.4	6456.4	6165.9
60°	720.0	650.5	608.8	519.9	455.9	483.7	866.0	2814.7	4748.2	5391.7	5401.4
62.5°	681.1	606.0	569.9	465.6	411.4	417.0	706.1	2365.7	3851.6	4463.2	4728.7
65°	629.7	557.4	514.3	430.9	379.5	361.4	517.1	1733.3	2925.9	3620.9	3922.5
67.5°	562.9	494.8	440.6	375.3	339.2	310.0	353.1	975.8	1727.7	2431.1	2522.8
70°	492.1	433.7	376.7	322.5	282.2	261.3	258.5	432.3	825.6	1308.0	1488.7
72.5°	387.8	346.1	300.2	259.9	233.5	202.9	184.9	179.3	279.4	532.4	735.3
75°	278.0	243.2	216.8	190.4	171.0	154.3	140.4	127.9	116.8	133.4	183.5
77.5°	175.1	162.6	141.8	134.8	123.7	119.5	114.0	107.0	98.7	93.1	93.1
80°	118.1	109.8	102.9	101.5	97.3	95.9	97.3	90.3	82.0	75.1	77.8
82.5°	79.2	77.8	76.4	75.1	76.4	77.8	80.6	79.2	72.3	68.1	69.5
85°	47.3	50.0	52.8	55.6	61.2	54.2	44.5	37.5	33.4	30.6	29.2
87.5°	18.1	25.0	22.2	20.8	22.2	20.8	19.5	18.1	15.3	13.9	13.9
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: P527484

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1	4256.1
2.5°	4602.2	4630.0	4653.6	4648.1	4599.4	4534.1	4507.7	4372.9	4345.1	4327.0
5°	4664.8	4826.0	4860.7	4839.9	4713.4	4553.6	4397.9	4200.5	4085.1	4081.0
7.5°	4549.4	4748.2	4810.7	4858.0	4689.8	4411.8	4144.9	3848.8	3776.6	3782.1
10°	4256.1	4573.0	4727.3	4776.0	4582.7	4342.3	3972.5	3672.3	3518.0	3515.2
12.5°	4093.5	4342.3	4385.4	4453.5	4396.5	4153.2	3872.5	3536.1	3386.0	3383.2
15°	3948.9	4112.9	4125.4	4221.4	4251.9	4087.9	3898.9	3540.3	3419.3	3406.8
17.5°	4075.4	3961.4	3914.2	3926.7	4017.0	4076.8	4051.8	3776.6	3652.9	3583.4
20°	4160.2	3905.8	3762.7	3776.6	3883.6	4101.8	4279.7	4118.5	3922.5	3930.8
22.5°	4386.8	3914.2	3690.4	3675.1	3844.7	4232.5	4536.9	4550.8	4361.7	4315.9
25°	4725.9	4010.1	3668.1	3664.0	3826.6	4372.9	4837.1	5062.3	4869.1	4784.3
27.5°	4998.3	4160.2	3737.6	3751.5	3883.6	4486.8	5092.9	5391.7	5244.4	5140.1
30°	5237.4	4315.9	3834.9	3771.0	4036.5	4546.6	5202.7	5767.0	5648.9	5562.7
32.5°	5336.1	4536.9	3989.2	3883.6	4163.0	4618.9	5430.6	6131.2	6029.7	5817.0
35°	5502.9	4660.6	4072.6	4064.3	4384.0	4792.6	5537.7	6371.6	6329.9	6140.9
37.5°	5636.3	4785.7	4368.7	4277.0	4687.0	5084.5	5710.0	6703.8	6607.9	6519.0
40°	5739.2	5009.5	4645.3	4766.2	5059.5	5350.0	5868.5	6724.7	7001.3	6742.8
42.5°	5644.7	5209.6	5099.8	5388.9	5666.9	5653.0	5886.5	6885.9	7093.0	6958.2
45°	5621.1	5548.8	5818.4	6081.1	6145.1	5904.6	5757.3	6708.0	7065.2	7005.5
47.5°	5564.1	5882.4	6352.2	6780.3	6683.0	6072.8	5603.0	6676.0	7081.9	6974.9
50°	5544.6	5954.6	6746.9	7163.9	7105.5	6218.7	5530.7	6470.3	6963.8	6954.0
52.5°	5543.2	6103.4	6911.0	7372.4	7408.6	6449.5	5629.4	6574.6	7055.5	7137.5
55°	5605.8	6056.1	6890.1	7257.1	7243.2	6346.6	5640.5	6644.1	7168.1	7248.7
57.5°	5287.5	5425.1	5686.4	5976.9	5901.8	5256.9	5037.3	6142.3	6578.7	6520.4
60°	4566.1	4135.2	3840.5	3826.6	3680.7	3479.1	4122.7	5482.1	5482.1	5425.1
62.5°	3999.0	2714.6	2332.4	2224.0	2328.2	2560.3	3976.7	5331.9	5180.4	5115.1
65°	3497.2	2072.5	1686.0	1655.5	1836.2	2186.4	3595.9	4542.4	4275.6	4058.7
67.5°	2250.4	1517.9	1253.8	1199.5	1417.8	1605.4	2393.5	2793.8	2625.7	2540.9
70°	1451.1	988.3	697.8	654.7	739.5	989.7	1529.0	1629.0	1384.4	1327.4
72.5°	686.6	426.7	244.6	201.5	226.6	378.1	604.6	650.5	540.7	494.8
75°	218.2	157.1	100.1	86.2	82.0	97.3	139.0	107.0	77.8	76.4
77.5°	97.3	93.1	79.2	66.7	58.4	48.6	40.3	33.4	34.7	36.1
80°	80.6	73.7	65.3	58.4	48.6	37.5	29.2	22.2	22.2	23.6
82.5°	70.9	63.9	57.0	48.6	41.7	30.6	22.2	15.3	13.9	13.9
85°	30.6	36.1	38.9	41.7	33.4	25.0	15.3	9.7	8.3	8.3
87.5°	12.5	11.1	9.7	8.3	6.9	6.9	5.6	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)