

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: P527716

Luminaire Tested: **GALN-SA2D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527716
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-SA2D-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA 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: 10551 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

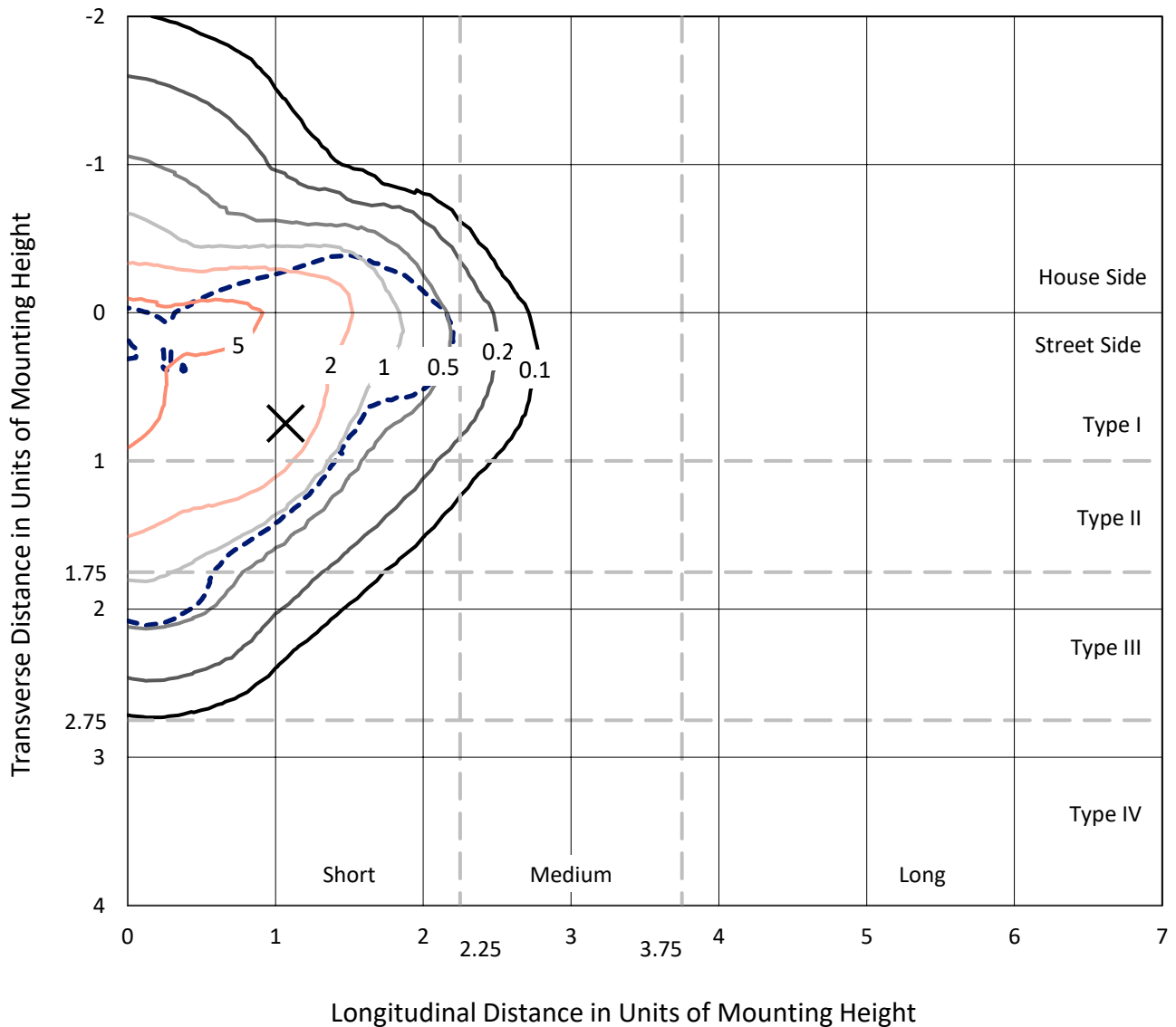
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

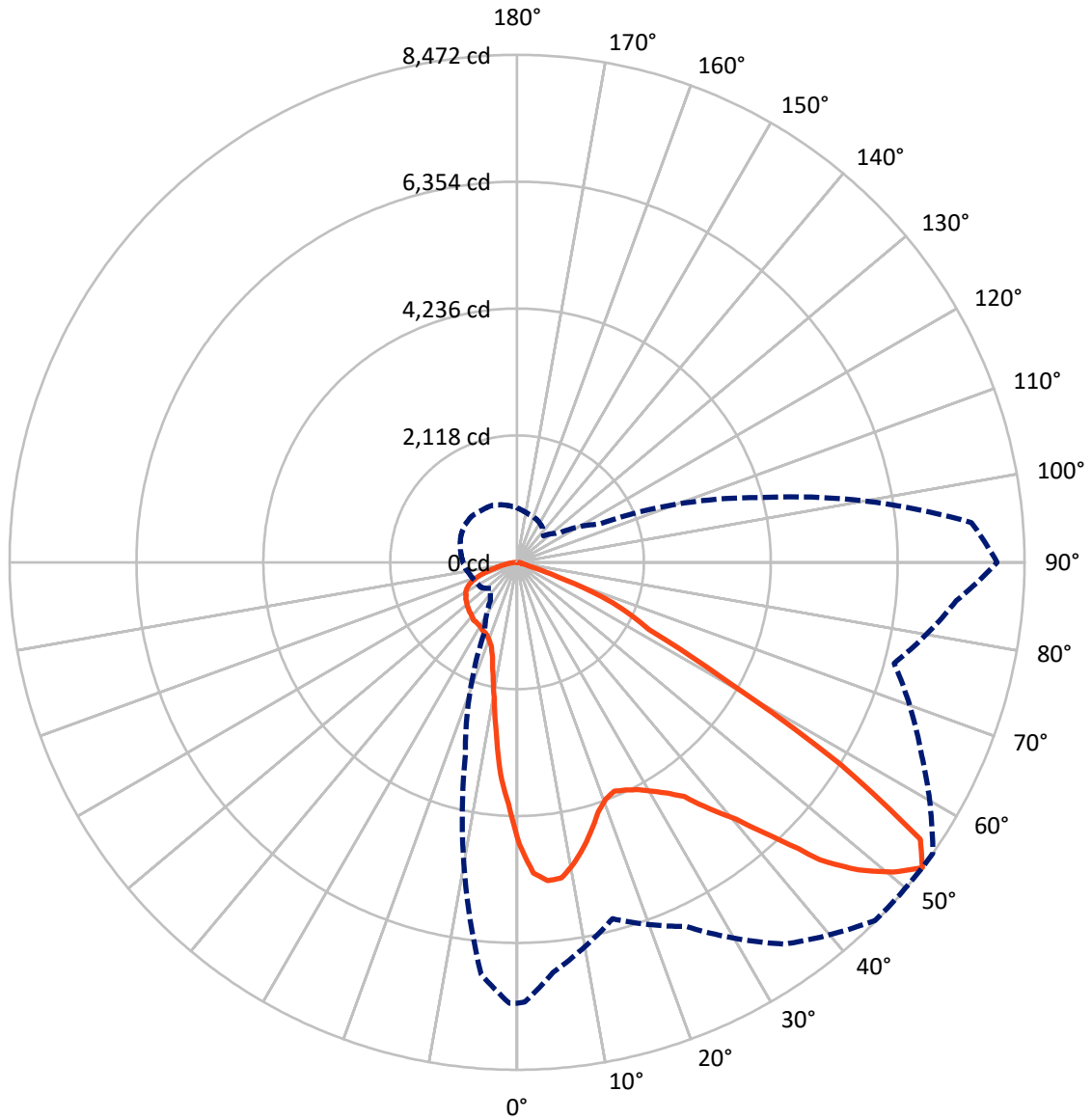
✕ Max cd
 - - - 1/2 Max cd



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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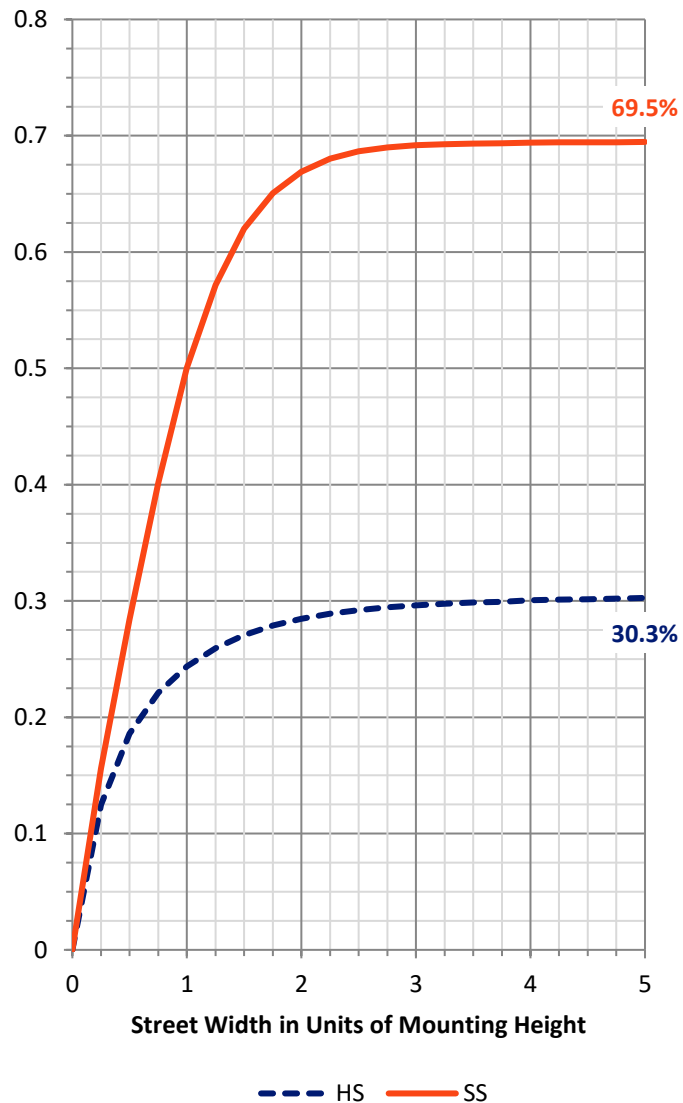
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3218.6	0.0	3218.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	7332.4	0.0	7332.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	10551.0	0.0	10551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.6	3.4
10°-20°	775.3	7.3
20°-30°	1175.6	11.1
30°-40°	1698.5	16.1
40°-50°	2269.7	21.5
50°-60°	2533.5	24.0
60°-70°	1389.7	13.2
70°-80°	300.5	2.8
80°-90°	48.6	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°	10551.0	100.0
0°-180°	10551.0	100.0

Coefficient of Utilization

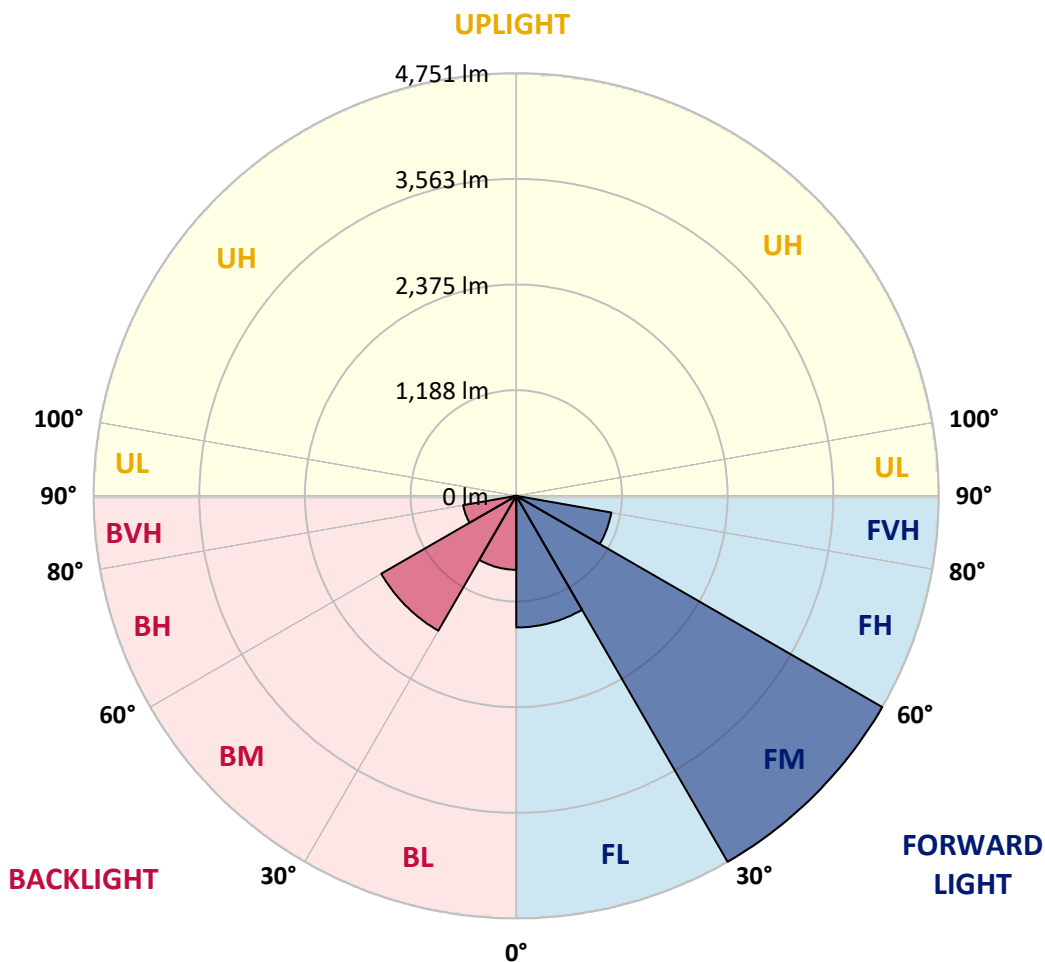


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.4	14.0			
FM (30°-60°)	4750.6	45.0			
FH (60°-80°)	1084.4	10.3			G1/1800
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	831.0	7.9	B2/1000		
BM (30°-60°)	1751.2	16.6	B2/2500		
BH (60°-80°)	605.8	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°	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6
2.5°	4939.2	4911.5	4936.1	5053.2	5121.0	5167.2	5196.5	5191.9	5080.9	4973.1	4973.1
5°	4794.4	4758.9	4809.8	5074.8	5341.3	5364.4	5402.9	5339.8	5176.4	4979.3	4732.8
7.5°	4375.3	4401.5	4486.3	4834.4	5181.1	5355.2	5401.4	5321.3	5056.3	4688.1	4326.0
10°	4013.3	4074.9	4270.6	4646.5	4965.4	5191.9	5242.7	5130.2	4920.7	4469.3	4145.8
12.5°	3888.5	3850.0	4067.2	4443.1	4748.2	4869.9	4893.0	4900.7	4758.9	4358.4	3964.0
15°	3873.1	3897.7	4067.2	4352.2	4540.2	4546.3	4584.9	4644.9	4663.4	4433.9	4048.7
17.5°	4094.9	4065.7	4239.8	4466.2	4376.9	4287.5	4296.8	4383.0	4535.6	4498.6	4315.2
20°	4423.1	4489.3	4626.5	4603.3	4363.0	4136.5	4138.1	4219.7	4520.1	4766.6	4686.5
22.5°	4968.5	5033.2	5134.9	4856.0	4363.0	4091.9	4039.5	4150.4	4618.7	5085.6	5105.6
25°	5466.1	5584.7	5612.4	5284.3	4581.8	4133.5	4099.6	4208.9	4717.3	5396.8	5586.3
27.5°	5919.0	5962.2	6083.9	5560.1	4703.5	4161.2	4158.1	4298.3	4842.1	5552.4	6016.1
30°	6276.4	6271.8	6341.1	5734.1	4897.6	4316.8	4167.3	4432.3	5005.4	5809.6	6413.6
32.5°	6519.9	6572.2	6718.6	5976.0	4979.3	4464.7	4347.6	4589.5	5204.2	5931.3	6693.9
35°	6948.1	7039.0	6854.2	6110.1	5238.1	4611.0	4473.9	4803.6	5302.8	6063.8	7037.5
37.5°	7351.8	7282.5	7094.5	6182.5	5406.0	4882.2	4754.3	5218.0	5609.4	6351.9	7265.5
40°	7610.6	7609.1	7274.8	6241.0	5524.6	5296.6	5288.9	5638.6	5985.3	6533.7	7521.3
42.5°	7723.1	7830.9	7348.7	6234.8	5774.2	5798.9	5954.5	6267.2	6251.8	6570.7	7515.1
44°	7877.1	7941.8	7476.6	6248.7	5940.6	6137.8	6504.5	6703.2	6484.4	6550.7	7507.4
45°	7871.0	7875.6	7294.8	6267.2	6082.3	6421.3	6749.4	7085.3	6689.3	6507.5	7609.1
47.5°	7690.7	7638.3	7140.7	6130.1	6524.5	7170.0	7473.5	7676.9	6942.0	6415.1	7482.7
50°	7334.8	7274.8	6766.4	6071.5	6616.9	7635.3	8054.3	8128.3	7171.5	6324.2	7358.0
52.5°	7359.5	7342.5	6872.7	6159.4	6709.4	7781.6	8453.3	8471.8	7431.9	6515.2	7359.5
55°	7800.1	7741.6	7177.7	6268.7	6641.6	7610.6	8199.1	8166.8	7344.1	6399.7	7495.1
57.5°	7137.6	7176.2	6755.6	5835.8	5812.7	6187.1	6445.9	6365.8	6128.5	5775.7	6972.8
60°	5758.8	5868.2	5908.2	4880.7	4386.1	4193.5	4116.5	3974.8	4014.8	4745.1	6125.5
62.5°	4939.2	4933.0	5184.2	4424.6	2873.2	2471.1	2434.2	2466.5	2928.7	4671.1	5999.1
65°	3916.2	4021.0	4098.0	3749.8	2273.9	1834.9	1833.3	2038.2	2534.3	3903.9	4843.7
67.5°	2486.5	2623.7	2719.2	2398.7	1520.6	1306.4	1271.0	1517.5	1756.3	2560.5	2916.4
70°	1402.0	1466.7	1509.8	1383.5	967.5	677.9	637.8	696.4	1061.5	1657.7	1728.6
72.5°	540.8	570.0	628.6	633.2	365.1	218.8	177.2	212.6	446.8	656.3	625.5
75°	83.2	89.4	126.3	151.0	104.8	80.1	84.7	87.8	124.8	169.5	141.7
77.5°	40.1	40.1	38.5	44.7	52.4	57.0	61.6	67.8	73.9	81.7	78.6
80°	26.2	26.2	26.2	30.8	38.5	46.2	52.4	55.5	58.5	64.7	61.6
82.5°	16.9	16.9	16.9	23.1	30.8	38.5	41.6	49.3	55.5	64.7	60.1
85°	9.2	9.2	9.2	15.4	23.1	32.4	30.8	24.6	13.9	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°	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6
2.5°	4843.7	4772.8	4766.6	4621.8	4492.4	4429.3	4378.4	4236.7	4267.5	4185.8	4184.3
5°	4609.5	4464.7	4230.5	4037.9	3845.4	3806.8	3638.9	3492.6	3497.2	3392.4	3410.9
7.5°	4188.9	4088.8	3803.8	3501.8	3246.1	3064.3	2905.6	2810.1	2688.4	2646.8	2625.2
10°	3922.4	3799.1	3478.7	3099.7	2813.2	2716.1	2563.6	2478.8	2354.1	2292.4	2249.3
12.5°	3805.3	3625.1	3224.5	2839.3	2648.3	2548.2	2418.8	2264.7	2116.8	2059.8	1981.2
15°	3817.6	3601.9	3150.5	2734.6	2505.0	2310.9	2195.4	2024.4	1873.4	1773.2	1716.2
17.5°	4004.0	3742.1	3184.4	2654.5	2324.8	2081.4	1854.9	1670.0	1549.9	1474.4	1455.9
20°	4444.7	4088.8	3241.4	2525.1	2144.5	1841.0	1562.2	1369.6	1277.2	1275.6	1277.2
22.5°	4811.3	4458.5	3357.0	2448.0	1964.3	1532.9	1255.6	1194.0	1175.5	1214.0	1218.6
25°	5305.9	4874.5	3555.7	2408.0	1797.9	1306.4	1135.4	1112.3	1110.8	1160.1	1161.6
27.5°	5812.7	5238.1	3674.4	2290.9	1628.4	1189.4	1063.0	1058.4	1083.0	1135.4	1130.8
30°	6157.8	5543.1	3888.5	2150.7	1428.1	1086.1	1033.7	1039.9	1073.8	1113.9	1120.0
32.5°	6559.9	5843.5	3944.0	2073.7	1304.9	999.9	962.9	976.7	1019.9	1083.0	1116.9
35°	7020.6	6056.1	4028.7	1968.9	1258.7	933.6	915.1	930.5	982.9	1024.5	1061.5
37.5°	7361.0	6432.0	4044.1	1887.2	1207.8	896.6	867.4	918.2	949.0	1007.6	1026.0
40°	7613.7	6704.7	4084.2	1836.4	1167.8	848.9	848.9	882.8	924.4	978.3	1015.3
42.5°	7775.5	6903.5	4113.4	1790.2	1090.8	835.0	827.3	861.2	916.7	969.0	986.0
44°	7874.1	6988.2	4084.2	1747.1	1069.2	818.1	818.1	847.3	890.5	952.1	972.1
45°	7898.7	7094.5	4019.5	1745.5	1043.0	798.0	795.0	850.4	879.7	955.2	967.5
47.5°	7994.2	7225.5	4027.2	1696.2	979.8	750.3	804.2	828.8	855.0	921.3	962.9
50°	7991.1	7307.1	4010.2	1623.8	933.6	696.4	785.7	813.4	839.6	907.4	924.4
52.5°	8012.7	7612.2	4165.8	1508.3	850.4	627.0	724.1	785.7	818.1	875.1	910.5
55°	8001.9	7786.2	4319.9	1422.0	733.3	585.4	671.7	744.1	790.3	850.4	867.4
57.5°	7308.7	6881.9	3997.9	1260.2	607.0	536.1	597.8	701.0	759.5	821.1	842.7
60°	5971.4	5304.3	3296.9	927.4	499.2	493.0	556.2	687.1	711.8	765.7	802.7
62.5°	5518.5	4652.6	2614.4	708.7	426.7	451.4	513.0	620.9	659.4	725.6	759.5
65°	4318.3	3090.5	1619.2	479.1	375.9	405.2	463.7	543.8	607.0	668.6	708.7
67.5°	2557.4	1688.5	801.1	335.9	328.1	359.0	419.0	479.1	551.5	619.3	639.4
70°	1392.7	830.4	342.0	255.7	278.9	306.6	365.1	406.7	476.0	528.4	562.3
72.5°	446.8	252.7	171.0	189.5	212.6	245.0	280.4	331.2	380.5	411.3	439.1
75°	107.8	106.3	121.7	132.5	154.1	178.7	208.0	234.2	272.7	302.0	326.6
77.5°	75.5	81.7	94.0	109.4	117.1	126.3	144.8	164.8	181.8	203.4	218.8
80°	58.5	63.2	72.4	80.1	87.8	95.5	104.8	112.5	123.2	137.1	144.8
82.5°	55.5	58.5	67.8	72.4	69.3	67.8	73.9	77.0	78.6	83.2	87.8
85°	4.6	0.0	3.1	10.8	26.2	38.5	41.6	41.6	40.1	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°	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6
2.5°	4165.8	4113.4	4133.5	4158.1	4122.7	4041.0	4062.6	4053.3	4136.5	4130.4	4213.6
5°	3492.6	3410.9	3420.2	3540.3	3501.8	3543.4	3460.2	3449.4	3464.8	3472.5	3486.4
7.5°	2673.0	2662.2	2754.6	2856.3	2904.0	2854.7	2773.1	2754.6	2737.7	2703.8	2780.8
10°	2181.5	2184.6	2178.4	2255.5	2309.4	2298.6	2249.3	2243.1	2210.8	2198.4	2241.6
12.5°	1947.3	1905.7	1885.7	1861.1	1902.7	1930.4	1908.8	1893.4	1894.9	1910.4	1916.5
15°	1720.9	1694.7	1651.5	1623.8	1643.8	1630.0	1622.3	1653.1	1645.4	1642.3	1679.3
17.5°	1466.7	1488.2	1485.1	1454.3	1480.5	1469.7	1468.2	1446.6	1417.4	1395.8	1408.1
20°	1298.7	1338.8	1369.6	1371.1	1385.0	1383.5	1360.4	1294.1	1272.5	1267.9	1271.0
22.5°	1238.7	1260.2	1297.2	1349.6	1349.6	1324.9	1297.2	1220.2	1200.1	1178.6	1169.3
25°	1190.9	1232.5	1280.2	1286.4	1311.1	1287.9	1243.3	1204.8	1163.2	1133.9	1133.9
27.5°	1166.2	1212.5	1247.9	1258.7	1292.6	1274.1	1227.9	1178.6	1129.3	1127.7	1101.5
30°	1155.5	1198.6	1221.7	1247.9	1263.3	1234.0	1220.2	1167.8	1118.5	1106.2	1063.0
32.5°	1123.1	1184.7	1227.9	1221.7	1234.0	1221.7	1201.7	1158.5	1103.1	1075.3	1070.7
35°	1086.1	1147.8	1194.0	1226.3	1234.0	1207.8	1195.5	1137.0	1061.5	1047.6	999.9
37.5°	1066.1	1103.1	1160.1	1212.5	1223.2	1209.4	1167.8	1107.7	1032.2	1016.8	975.2
40°	1041.5	1089.2	1133.9	1177.0	1209.4	1175.5	1127.7	1069.2	1035.3	989.1	976.7
42.5°	1023.0	1076.9	1113.9	1161.6	1198.6	1153.9	1098.5	1058.4	1010.6	979.8	944.4
44°	1016.8	1066.1	1090.8	1149.3	1180.1	1146.2	1100.0	1058.4	1002.9	975.2	944.4
45°	995.2	1063.0	1089.2	1141.6	1167.8	1140.1	1081.5	1039.9	999.9	966.0	933.6
47.5°	973.7	1019.9	1064.6	1106.2	1124.6	1115.4	1066.1	1015.3	967.5	947.5	916.7
50°	967.5	1013.7	1055.3	1093.8	1115.4	1096.9	1052.2	1002.9	947.5	915.1	888.9
52.5°	936.7	993.7	1039.9	1052.2	1080.0	1069.2	1035.3	981.4	929.0	901.3	879.7
55°	892.0	952.1	1015.3	1030.7	1070.7	1053.8	1002.9	952.1	907.4	865.8	838.1
57.5°	875.1	933.6	995.2	1015.3	1039.9	1012.2	999.9	945.9	875.1	853.5	810.4
60°	831.9	905.9	956.7	1002.9	1004.5	996.8	975.2	913.6	855.0	815.0	784.2
62.5°	798.0	867.4	907.4	950.6	976.7	955.2	933.6	876.6	813.4	768.8	733.3
65°	748.7	811.9	845.8	872.0	901.3	898.2	861.2	819.6	753.4	717.9	684.0
67.5°	673.2	728.7	774.9	799.6	818.1	813.4	785.7	756.4	688.7	653.2	628.6
70°	582.4	639.4	668.6	682.5	701.0	710.2	688.7	674.8	614.7	568.5	545.4
72.5°	468.3	505.3	548.5	560.8	568.5	574.6	574.6	562.3	500.7	482.2	442.2
75°	345.1	374.4	406.7	406.7	420.6	422.1	425.2	417.5	371.3	346.6	337.4
77.5°	234.2	255.7	281.9	292.7	302.0	300.4	298.9	277.3	252.7	241.9	232.6
80°	152.5	174.1	186.4	200.3	209.5	208.0	211.1	195.7	184.9	166.4	169.5
82.5°	90.9	107.8	120.2	137.1	137.1	141.7	141.7	137.1	126.3	117.1	117.1
85°	43.1	57.0	64.7	75.5	81.7	83.2	73.9	63.2	52.4	47.8	52.4
87.5°	7.7	10.8	15.4	13.9	16.9	15.4	15.4	15.4	15.4	12.3	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: P527716

CATALOG NUMBER: GALN-SA2D-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6	4706.6
2.5°	4182.8	4259.8	4313.7	4403.1	4557.1	4680.4	4806.7	4900.7	4911.5	4939.2
5°	3537.2	3578.8	3716.0	3894.7	4021.0	4229.0	4363.0	4606.4	4697.3	4794.4
7.5°	2762.3	2830.1	3013.4	3133.6	3410.9	3671.3	3940.9	4241.3	4361.5	4375.3
10°	2329.4	2428.0	2552.8	2745.4	2896.3	3186.0	3521.8	3856.1	3990.2	4013.3
12.5°	2045.9	2172.3	2338.6	2477.3	2622.1	2874.8	3196.8	3609.6	3783.7	3888.5
15°	1773.2	1904.2	2087.5	2280.1	2408.0	2709.9	3088.9	3554.2	3780.7	3873.1
17.5°	1492.9	1614.6	1765.5	1973.5	2230.8	2569.7	3072.0	3739.1	3987.1	4094.9
20°	1252.5	1320.3	1495.9	1710.1	2032.1	2426.5	3078.1	4011.7	4375.3	4423.1
22.5°	1158.5	1173.9	1243.3	1440.5	1793.3	2280.1	3187.5	4398.4	4811.3	4968.5
25°	1086.1	1083.0	1101.5	1234.0	1619.2	2223.1	3295.4	4754.3	5295.1	5466.1
27.5°	1046.1	1015.3	1016.8	1141.6	1495.9	2130.7	3434.0	5162.6	5843.5	5919.0
30°	1026.0	1019.9	1001.4	1052.2	1361.9	1992.0	3457.1	5564.7	6167.1	6276.4
32.5°	1013.7	953.6	930.5	949.0	1235.6	1841.0	3543.4	5829.7	6567.6	6519.9
35°	952.1	898.2	882.8	901.3	1146.2	1756.3	3486.4	6060.8	6868.0	6948.1
37.5°	929.0	881.2	850.4	835.0	1063.0	1685.4	3457.1	6416.6	7159.2	7351.8
40°	907.4	856.6	819.6	804.2	998.3	1591.4	3447.9	6690.9	7495.1	7610.6
42.5°	882.8	850.4	808.8	781.1	919.7	1497.5	3341.6	6775.6	7598.3	7723.1
44°	875.1	825.8	782.6	773.4	888.9	1449.7	3320.0	6852.6	7687.6	7877.1
45°	867.4	821.1	771.8	759.5	878.1	1423.5	3290.7	6871.1	7835.5	7871.0
47.5°	845.8	816.5	768.8	734.9	855.0	1366.5	3202.9	6766.4	7684.6	7690.7
50°	828.8	795.0	745.7	679.4	824.2	1318.8	3243.0	6727.8	7321.0	7334.8
52.5°	810.4	759.5	731.8	617.8	773.4	1278.7	3327.7	6901.9	7362.6	7359.5
55°	788.8	733.3	665.5	565.4	688.7	1227.9	3532.6	7245.5	7747.7	7800.1
57.5°	754.9	707.1	610.1	519.2	591.6	1130.8	3466.4	6587.6	7128.4	7137.6
60°	710.2	665.5	553.1	483.8	485.3	892.0	3099.7	5133.3	5624.8	5758.8
62.5°	667.1	642.4	505.3	432.9	412.9	710.2	2620.6	4265.9	4828.3	4939.2
65°	616.2	556.2	463.7	394.4	354.3	497.6	1856.4	3187.5	3766.8	3916.2
67.5°	551.5	486.8	408.3	346.6	303.5	332.8	958.3	1811.8	2398.7	2486.5
70°	482.2	422.1	343.6	292.7	245.0	229.6	422.1	864.3	1311.1	1402.0
72.5°	395.9	340.5	274.2	231.1	183.3	158.7	141.7	231.1	465.3	540.8
75°	286.6	248.0	206.4	164.8	129.4	101.7	83.2	69.3	77.0	83.2
77.5°	211.1	180.3	152.5	117.1	90.9	72.4	57.0	43.1	41.6	40.1
80°	164.8	146.4	121.7	94.0	70.9	53.9	40.1	29.3	26.2	26.2
82.5°	129.4	120.2	100.1	77.0	58.5	43.1	29.3	20.0	16.9	16.9
85°	49.3	49.3	72.4	63.2	44.7	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)