

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: P453685

Luminaire Tested: **GALN-SA4D-727-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P453685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA4D-727-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22061 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

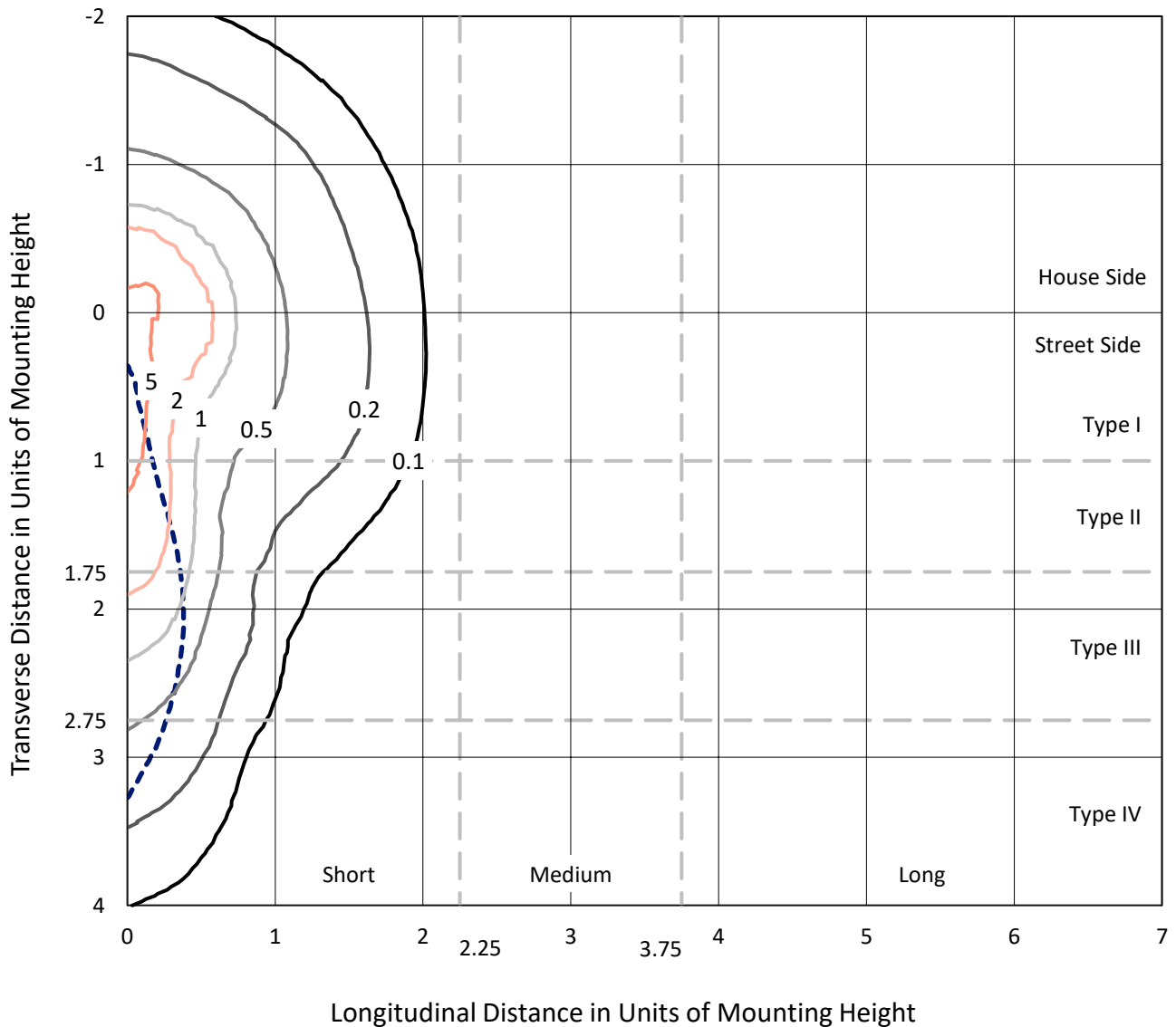
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P453685  
 CATALOG NUMBER: GALN-SA4D-727-U-SLR

### Iso-Footcandle Lines of Horizontal Illumination

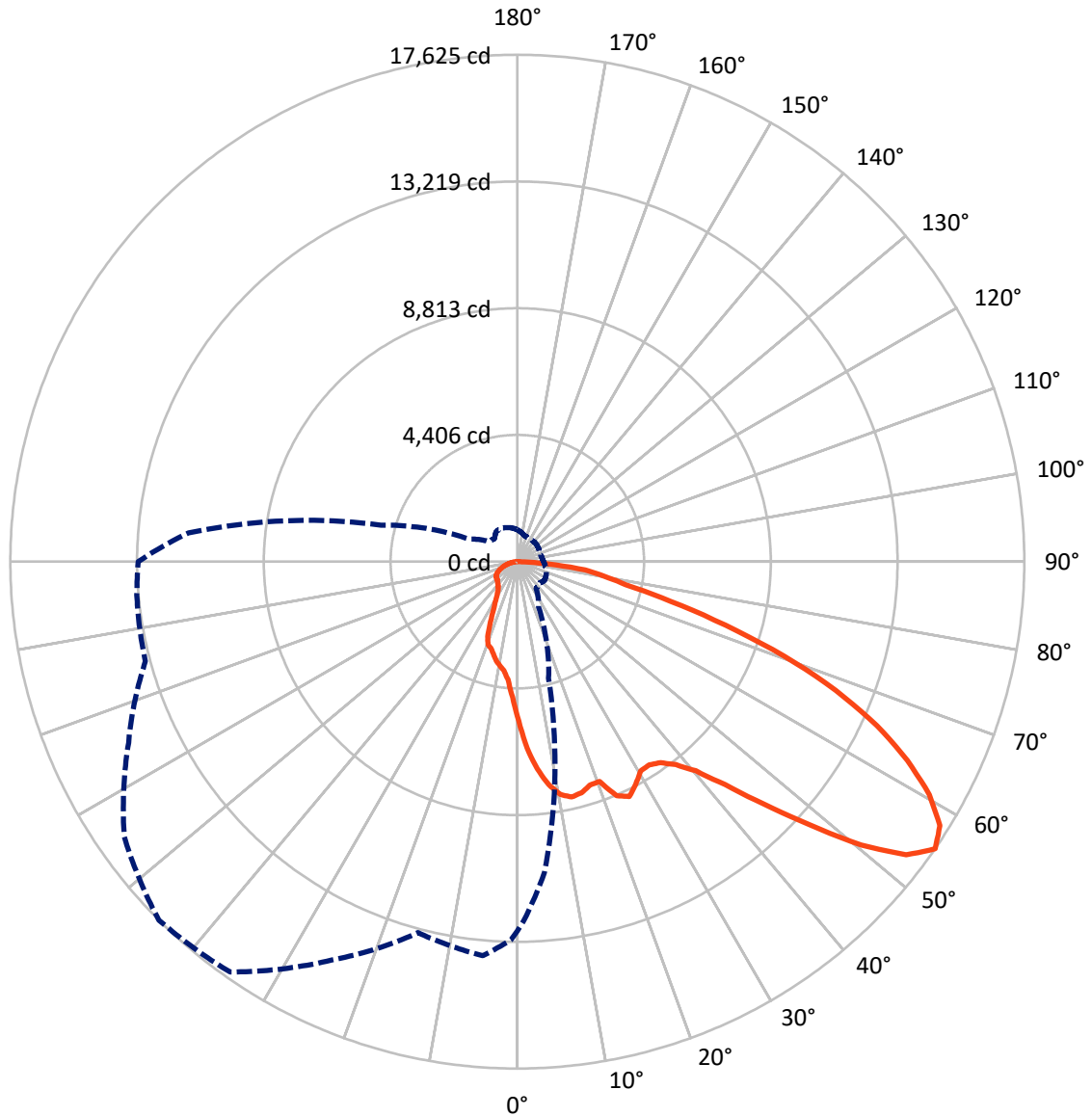
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P453685  
CATALOG NUMBER: GALN-SA4D-727-U-SLR

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical



REPORT NUMBER: P453685  
 CATALOG NUMBER: GALN-SA4D-727-U-SLR

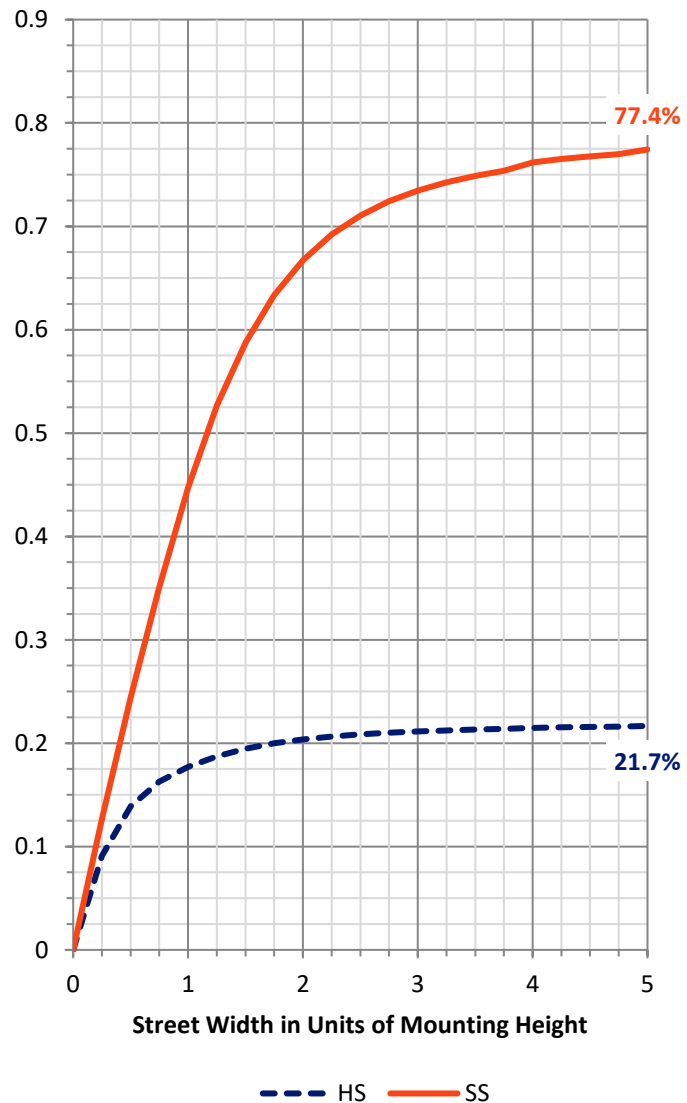
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4825.7	0.0	4825.7
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	17235.3	0.0	17235.3
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	22061.0	0.0	22061.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.2	2.1
10°-20°	1244.9	5.6
20°-30°	2150.6	9.7
30°-40°	2499.3	11.3
40°-50°	3487.1	15.8
50°-60°	4731.6	21.4
60°-70°	4501.5	20.4
70°-80°	2431.8	11.0
80°-90°	545.0	2.5
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°	22061.0	100.0
0°-180°	22061.0	100.0



REPORT NUMBER: P453685

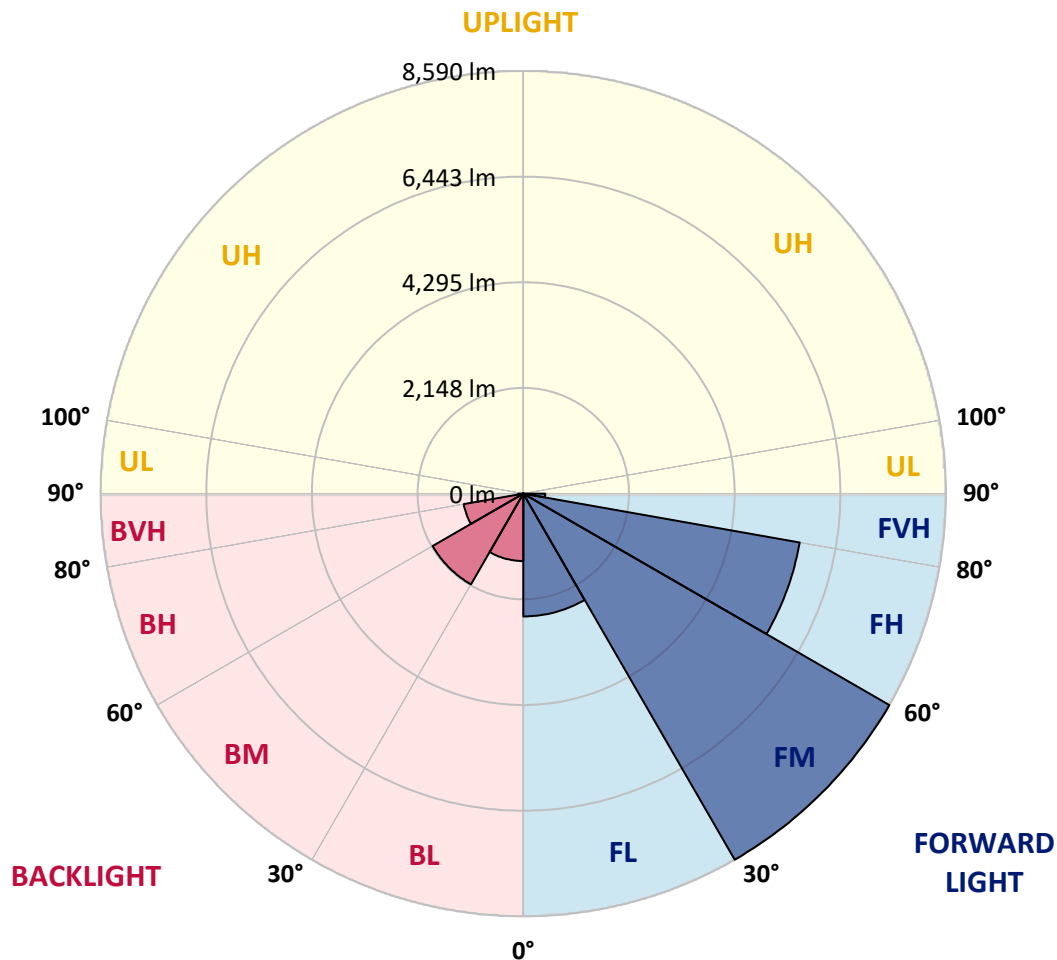
CATALOG NUMBER: GALN-SA4D-727-U-SLR

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2495.1	11.3			
FM	(30°-60°)	8590.1	38.9			
FH	(60°-80°)	5704.6	25.9			G3/7500
FVH	(80°-90°)	445.4	2.0			G3/500
BL	(0°-30°)	1369.6	6.2	B3/2500		
BM	(30°-60°)	2127.8	9.6	B2/2500		
BH	(60°-80°)	1228.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	99.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type IV Short





REPORT NUMBER: P453685

CATALOG NUMBER: GALN-SA4D-727-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4
2.5°	6150.6	6127.4	6061.9	5890.1	5716.9	5540.8	5405.5	5236.6	5060.5	4965.9	4845.1
5°	6235.1	6208.9	6054.6	5667.4	5316.7	4948.5	4654.5	4396.8	4292.1	4137.8	4014.1
7.5°	6037.1	6025.5	5794.1	5238.1	4757.8	4276.0	3942.8	3736.1	3548.3	3478.5	3493.0
10°	5856.6	5810.1	5520.4	4794.2	4233.8	3842.3	3603.6	3401.3	3268.9	3234.0	3241.2
12.5°	5706.7	5644.2	5302.1	4495.8	4005.3	3692.4	3388.2	3177.2	3056.4	3089.9	3203.4
15°	5676.2	5591.8	5210.4	4393.9	3880.2	3477.0	3143.7	2900.7	2810.4	2883.2	3065.1
17.5°	5874.1	5767.9	5367.6	4427.4	3760.8	3257.2	2848.3	2570.3	2494.6	2611.0	2848.3
20°	6510.1	6352.9	5858.1	4621.0	3749.2	3148.1	2676.5	2397.1	2429.1	2650.3	2897.8
22.5°	7686.1	7450.3	6716.8	4903.3	3810.3	3120.4	2641.6	2496.1	2672.2	2859.9	3022.9
25°	7919.0	7734.1	6871.1	4967.4	3797.2	3101.5	2740.6	2813.3	3009.8	3103.0	3046.2
27.5°	8050.0	7838.9	6860.9	4650.1	3395.5	2813.3	2619.8	2740.6	2790.1	2699.8	2545.5
30°	8355.6	8135.8	7034.1	4316.8	2795.9	2087.1	1829.5	1780.0	1813.5	1830.9	1775.6
32.5°	8776.2	8559.4	7360.1	4098.5	2417.5	1726.1	1472.9	1403.0	1387.0	1368.1	1346.3
35°	9320.6	8987.3	7680.3	3958.8	2261.7	1596.6	1363.7	1309.9	1288.1	1261.9	1238.6
37.5°	9873.6	9524.3	8084.9	3811.8	2158.4	1506.4	1291.0	1266.2	1228.4	1200.7	1167.3
40°	10461.6	10070.1	8453.1	3683.7	2058.0	1448.2	1238.6	1235.7	1186.2	1154.2	1114.9
42.5°	10971.0	10567.9	8782.1	3605.1	1980.8	1387.0	1206.6	1215.3	1164.3	1116.3	1065.4
45°	11375.6	10979.8	9086.2	3605.1	1918.3	1325.9	1200.7	1194.9	1144.0	1084.3	1026.1
47.5°	11730.8	11321.8	9383.1	3696.8	1879.0	1275.0	1168.7	1178.9	1126.5	1050.8	994.1
50°	12005.8	11644.9	9783.4	3839.4	1839.7	1234.2	1128.0	1183.3	1111.9	1033.4	967.9
52.5°	12356.6	12033.5	10265.1	4034.4	1806.2	1189.1	1091.6	1183.3	1110.5	1034.8	963.5
55°	12842.7	12502.1	10845.9	4196.0	1752.3	1146.9	1059.6	1149.8	1106.1	1027.5	951.9
57.5°	13183.3	12928.6	11256.3	4303.7	1675.2	1093.0	1030.4	1117.8	1087.2	999.9	916.9
58°	13199.3	12950.4	11316.0	4328.4	1656.3	1082.8	1023.2	1103.2	1078.5	988.2	905.3
60°	13015.9	12801.9	11327.6	4293.5	1548.6	1031.9	985.3	1043.5	1031.9	919.8	842.7
62.5°	12349.3	12120.8	10857.5	4009.7	1405.9	969.3	927.1	963.5	937.3	823.8	752.5
65°	11401.8	10981.2	9891.1	3564.3	1304.1	902.4	848.5	851.4	823.8	742.3	679.7
67.5°	10140.0	9669.9	8374.5	3004.0	1226.9	828.1	755.4	748.1	714.6	662.2	611.3
70°	8587.0	8265.4	6805.6	2443.7	1141.1	746.6	650.6	646.2	625.8	586.5	541.4
72.5°	6959.9	6550.9	5495.7	1956.1	1036.3	668.0	553.1	561.8	535.6	507.9	467.2
75°	5136.2	4868.4	4248.4	1569.0	895.1	582.2	461.4	464.3	452.6	423.5	391.5
77.5°	3382.4	3302.4	3038.9	1030.4	688.4	462.8	377.0	379.9	371.1	344.9	311.5
80°	2276.3	2222.4	2059.4	663.7	459.9	334.7	291.1	294.0	292.5	264.9	219.8
82.5°	1403.0	1379.7	1327.4	448.3	318.7	240.1	192.1	200.8	216.9	186.3	149.9
85°	662.2	663.7	801.9	244.5	187.8	154.3	104.8	112.1	112.1	112.1	84.4
87.5°	85.9	90.2	110.6	103.3	68.4	58.2	37.8	32.0	27.7	36.4	26.2
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: P453685

CATALOG NUMBER: GALN-SA4D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4
2.5°	4802.9	4773.8	4711.2	4696.7	4687.9	4712.7	4647.2	4664.6	4635.5	4717.0	4703.9
5°	4021.3	4024.3	4075.2	4108.7	4120.3	4108.7	4065.0	3989.3	3931.1	3907.8	3913.6
7.5°	3465.4	3516.3	3603.6	3701.2	3789.9	3816.1	3791.4	3647.3	3490.1	3391.1	3359.1
10°	3280.5	3348.9	3449.4	3526.5	3605.1	3667.7	3680.8	3568.7	3382.4	3148.1	3056.4
12.5°	3290.7	3383.9	3479.9	3504.7	3497.4	3522.1	3510.5	3491.6	3369.3	3071.0	2918.1
15°	3194.7	3305.3	3372.2	3359.1	3335.8	3314.0	3283.4	3235.4	3191.8	2982.2	2813.3
17.5°	2973.4	3087.0	3142.3	3146.6	3146.6	3140.8	3066.6	3049.1	3043.3	2941.4	2838.1
20°	3014.2	3076.8	3052.0	3011.3	3022.9	3062.2	3018.6	3009.8	3043.3	3088.4	3069.5
22.5°	3037.5	3015.6	2829.4	2648.9	2608.1	2730.4	2755.1	2852.6	2988.0	3151.0	3257.2
25°	2893.4	2717.3	2384.0	2180.2	2065.3	2178.8	2327.2	2507.7	2710.0	2919.6	3043.3
27.5°	2418.9	2285.0	2046.3	1862.9	1762.5	1780.0	1906.6	2071.1	2258.8	2400.0	2490.2
30°	1822.2	1762.5	1638.8	1576.2	1515.1	1500.5	1554.4	1617.0	1699.9	1717.4	1740.7
32.5°	1341.9	1333.2	1340.4	1320.1	1308.4	1307.0	1291.0	1305.5	1314.3	1324.4	1304.1
35°	1213.8	1202.2	1181.8	1176.0	1168.7	1171.6	1164.3	1157.1	1162.9	1171.6	1177.4
37.5°	1148.3	1130.9	1101.8	1091.6	1091.6	1095.9	1084.3	1081.4	1091.6	1119.2	1133.8
40°	1097.4	1077.0	1043.5	1030.4	1039.2	1050.8	1034.8	1029.0	1053.7	1082.8	1106.1
42.5°	1049.4	1033.4	1001.3	986.8	994.1	1015.9	992.6	988.2	1020.3	1052.3	1079.9
45°	1008.6	992.6	963.5	956.2	959.1	979.5	963.5	963.5	994.1	1029.0	1053.7
47.5°	976.6	956.2	937.3	931.5	934.4	946.0	943.1	943.1	972.2	1008.6	1033.4
50°	944.6	927.1	902.4	905.3	912.6	928.6	927.1	931.5	960.6	1005.7	1031.9
52.5°	930.0	903.8	876.2	879.1	900.9	919.8	914.0	918.4	951.9	1036.3	1074.1
55°	914.0	879.1	847.1	851.4	876.2	903.8	896.5	902.4	941.7	1056.6	1109.0
57.5°	883.4	842.7	807.8	810.7	847.1	876.2	864.5	871.8	918.4	1034.8	1090.1
58°	870.3	835.4	801.9	803.4	838.3	870.3	857.2	863.1	911.1	1029.0	1081.4
60°	815.0	794.7	765.6	767.0	800.5	828.1	820.9	826.7	873.3	986.8	1026.1
62.5°	739.4	727.7	720.4	720.4	740.8	767.0	774.3	781.6	823.8	892.2	927.1
65°	657.9	657.9	659.3	659.3	672.4	705.9	710.2	729.2	768.5	801.9	828.1
67.5°	602.5	599.6	602.5	595.3	601.1	621.5	643.3	660.8	701.5	724.8	733.5
70°	531.2	529.8	531.2	521.0	528.3	545.8	560.3	589.4	631.7	649.1	653.5
72.5°	461.4	461.4	464.3	457.0	457.0	475.9	486.1	518.1	557.4	567.6	569.1
75°	388.6	393.0	393.0	382.8	385.7	397.3	410.4	436.6	473.0	480.3	480.3
77.5°	308.6	324.6	324.6	314.4	318.7	320.2	337.7	350.8	378.4	381.3	369.7
80°	224.1	240.1	253.2	244.5	251.8	243.1	253.2	262.0	289.6	276.5	257.6
82.5°	160.1	171.7	181.9	183.4	176.1	160.1	173.2	174.7	187.8	170.3	160.1
85°	88.8	99.0	112.1	106.2	94.6	84.4	88.8	91.7	90.2	85.9	80.0
87.5°	23.3	24.7	27.7	20.4	18.9	16.0	21.8	21.8	24.7	26.2	24.7
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: P453685

CATALOG NUMBER: GALN-SA4D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4
2.5°	4714.1	4778.2	4916.4	5021.2	5149.3	5305.0	5488.4	5673.3	5872.7	5935.2	6022.6
5°	3900.5	4060.6	4127.6	4318.3	4507.5	4791.3	5094.0	5444.8	5829.0	6013.8	6191.4
7.5°	3332.9	3418.8	3488.7	3628.4	3855.4	4200.4	4580.2	5018.3	5562.6	5831.9	6092.4
10°	3027.3	3036.0	3121.9	3295.1	3493.0	3797.2	4156.7	4647.2	5254.1	5581.6	5887.2
12.5°	2825.0	2787.1	2880.3	3060.8	3284.9	3565.8	3896.2	4363.4	5031.4	5367.6	5737.3
15°	2647.4	2587.8	2657.6	2842.5	3063.7	3394.1	3749.2	4244.0	4944.1	5335.6	5746.0
17.5°	2651.8	2487.3	2512.1	2667.8	2887.6	3223.8	3654.6	4239.7	5076.5	5527.7	6013.8
20°	2979.3	2715.8	2603.8	2632.9	2845.4	3212.1	3698.2	4443.4	5511.7	6169.6	6689.1
22.5°	3300.9	3142.3	2961.8	2902.1	3018.6	3402.8	3976.2	4925.2	6457.7	7448.9	8387.6
25°	3188.8	3324.2	3279.1	3194.7	3220.9	3539.6	4165.4	5321.0	7192.7	8309.0	9191.0
27.5°	2551.4	2797.3	2846.8	2845.4	2855.6	3117.5	3746.3	5054.7	7284.4	8473.5	9316.2
30°	1793.1	1814.9	1841.1	1892.1	1938.6	2173.0	2931.2	4437.6	7243.7	8547.7	9391.9
32.5°	1293.9	1323.0	1359.4	1429.2	1539.8	1838.2	2564.5	4241.1	7459.1	8854.8	9613.1
35°	1183.3	1216.7	1251.7	1331.7	1436.5	1713.0	2418.9	4159.6	7812.7	9352.6	10010.4
37.5°	1148.3	1186.2	1216.7	1275.0	1359.4	1622.8	2286.5	4104.3	8175.1	9879.4	10543.1
40°	1123.6	1167.3	1192.0	1238.6	1296.8	1539.8	2168.6	4060.6	8525.9	10361.2	10971.0
42.5°	1101.8	1146.9	1178.9	1212.4	1260.4	1465.6	2063.8	4017.0	8830.1	10828.4	11397.5
45°	1075.6	1132.3	1173.1	1199.3	1241.5	1403.0	1983.7	3982.1	9176.5	11243.2	11828.3
47.5°	1053.7	1116.3	1167.3	1197.8	1213.8	1359.4	1919.7	4030.1	9592.7	11676.9	12228.5
50°	1055.2	1114.9	1178.9	1226.9	1184.7	1323.0	1880.4	4220.7	10134.1	12192.1	12544.3
52.5°	1101.8	1174.5	1225.5	1237.1	1144.0	1279.3	1860.0	4554.0	10774.5	12647.7	12863.1
55°	1154.2	1229.8	1285.1	1277.9	1122.1	1224.0	1855.7	4909.2	11476.1	13178.9	13277.9
57.5°	1135.2	1245.8	1330.3	1292.4	1123.6	1170.2	1836.8	5195.9	12062.6	13576.2	13688.3
58°	1129.4	1240.0	1336.1	1289.5	1119.2	1154.2	1832.4	5220.6	12144.1	13603.9	13746.5
60°	1072.7	1189.1	1331.7	1267.7	1094.5	1110.5	1784.4	5300.7	12122.3	13461.3	13781.5
62.5°	969.3	1065.4	1231.3	1161.4	1018.8	1052.3	1676.7	5201.7	11531.4	12774.3	13270.6
65°	852.9	924.2	1034.8	1021.7	911.1	992.6	1529.7	4810.2	10348.1	11659.4	12181.9
67.5°	765.6	823.8	893.6	874.7	819.4	912.6	1371.0	4148.0	9020.7	10320.4	10978.3
70°	676.8	721.9	756.8	743.7	726.3	834.0	1229.8	3366.4	7748.7	9048.4	9685.9
72.5°	586.5	628.7	657.9	638.9	628.7	751.0	1114.9	2612.5	6120.1	7464.9	8284.3
75°	490.5	532.7	553.1	531.2	525.4	662.2	944.6	1951.7	4591.9	5754.8	6462.1
77.5°	379.9	425.0	451.2	443.9	446.8	544.3	762.6	1336.1	3283.4	3922.4	4667.6
80°	266.3	315.8	333.3	326.0	346.4	414.8	538.5	848.5	2264.6	2545.5	3071.0
82.5°	164.5	211.0	213.9	221.2	235.8	307.1	406.1	516.7	1422.0	1470.0	1851.3
85°	83.0	100.4	107.7	119.3	132.4	187.8	231.4	320.2	915.5	692.8	1034.8
87.5°	27.7	29.1	34.9	43.7	53.9	77.1	99.0	131.0	227.0	125.2	320.2
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: P453685

CATALOG NUMBER: GALN-SA4D-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4	5536.4
2.5°	6198.7	6322.4	6412.6	6495.6	6415.5	6408.3	6329.7	6203.0	6150.6	6150.6
5°	6564.0	6853.6	7087.9	7237.8	7173.8	7019.5	6764.8	6440.3	6265.6	6235.1
7.5°	6664.4	7236.4	7671.6	7825.8	7718.1	7377.6	6890.0	6342.8	6092.4	6037.1
10°	6603.3	7347.0	7985.9	8230.4	8080.5	7565.3	6900.2	6229.2	5920.7	5856.6
12.5°	6539.2	7361.6	8044.2	8397.8	8300.3	7716.7	6974.4	6155.0	5798.4	5706.7
15°	6585.8	7367.4	7972.8	8338.1	8400.7	7898.6	7096.7	6208.9	5773.7	5676.2
17.5°	6879.8	7478.0	7871.0	8166.4	8386.2	8146.0	7444.5	6466.5	5994.9	5874.1
20°	7494.0	7742.9	7929.2	8157.7	8511.3	8651.1	8156.2	7173.8	6616.4	6510.1
22.5°	9272.5	9227.4	8846.1	8841.7	9354.0	9914.4	9880.9	8611.8	7773.4	7686.1
25°	9939.1	9729.5	9177.9	9044.0	9269.6	10134.1	10009.0	8905.8	8131.5	7919.0
27.5°	9678.6	9159.0	8796.6	8766.0	8691.8	9508.3	9809.6	9025.1	8256.6	8050.0
30°	9662.6	8898.5	8380.4	8441.5	8512.8	9292.9	9920.2	9399.2	8576.8	8355.6
32.5°	9701.9	8934.9	8410.9	8422.6	8635.1	9324.9	10042.5	9806.7	8997.5	8776.2
35°	9860.5	9141.5	8605.9	8578.3	8910.1	9534.5	10250.6	10447.1	9572.4	9320.6
37.5°	10116.7	9553.4	8962.5	8955.3	9437.0	9912.9	10509.6	11093.3	10144.3	9873.6
40°	10493.6	10035.2	9597.1	9557.8	10153.1	10528.6	10845.9	11781.7	10809.5	10461.6
42.5°	10949.2	10613.0	10434.0	10589.7	11161.7	11219.9	11369.8	12417.7	11375.6	10971.0
45°	11371.3	11355.3	11604.1	12017.5	12350.8	12001.5	11917.0	12844.2	11815.2	11375.6
47.5°	11873.4	12307.1	13058.1	13663.6	14012.9	12911.1	12384.2	13122.1	12135.4	11730.8
50°	12382.8	13446.7	14646.0	15490.1	15564.4	13899.3	12705.9	13384.1	12426.4	12005.8
52.5°	12918.4	14356.3	15952.9	16933.9	16789.8	14759.5	13017.4	13561.7	12726.3	12356.6
55°	13384.1	14913.8	16683.6	17625.2	17414.2	15283.5	13353.6	13753.8	13154.2	12842.7
57.5°	13644.6	14960.3	16501.6	17324.0	17095.5	15181.6	13507.8	13896.4	13427.8	13183.3
58°	13682.5	14897.8	16340.1	17149.3	16916.4	15095.7	13506.4	13890.6	13445.2	13199.3
60°	13649.0	14491.7	15739.0	16459.4	16214.9	14557.2	13451.1	13781.5	13224.0	13015.9
62.5°	13339.0	13787.3	14701.3	15225.2	15155.4	13716.0	13224.0	13369.6	12550.2	12349.3
65°	12931.5	12826.7	13372.5	13743.6	13796.0	13085.8	12998.4	12478.8	11685.6	11401.8
67.5°	12436.6	11738.0	11736.6	11947.6	12034.9	12116.4	12528.3	11511.0	10439.8	10140.0
70°	11596.9	10059.9	9597.1	9846.0	9773.2	10461.6	11688.5	10151.6	8937.8	8587.0
72.5°	10057.0	7983.0	7242.2	7562.4	7379.0	8204.2	10227.3	8354.2	7390.7	6959.9
75°	8151.9	5971.6	5207.5	5501.5	5388.0	6223.4	8509.9	6067.7	5300.7	5136.2
77.5°	6329.7	4327.0	3883.1	3842.3	3926.7	4631.2	6242.3	4097.0	3494.5	3382.4
80°	4066.5	3097.2	3123.3	3071.0	3114.6	2919.6	3789.9	2613.9	2366.5	2276.3
82.5°	2676.5	2158.4	2573.2	2375.3	2255.9	1963.4	2485.9	1711.6	1452.5	1403.0
85°	1823.7	1589.3	1446.7	1106.1	1302.6	1512.2	1864.4	921.3	730.6	662.2
87.5°	823.8	553.1	406.1	250.3	395.9	457.0	905.3	107.7	83.0	85.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)