

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: P457078

Luminaire Tested: **GALN-SA8B-827-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P457078  
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-SA8B-827-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 2700K, 800mA 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: 29116 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

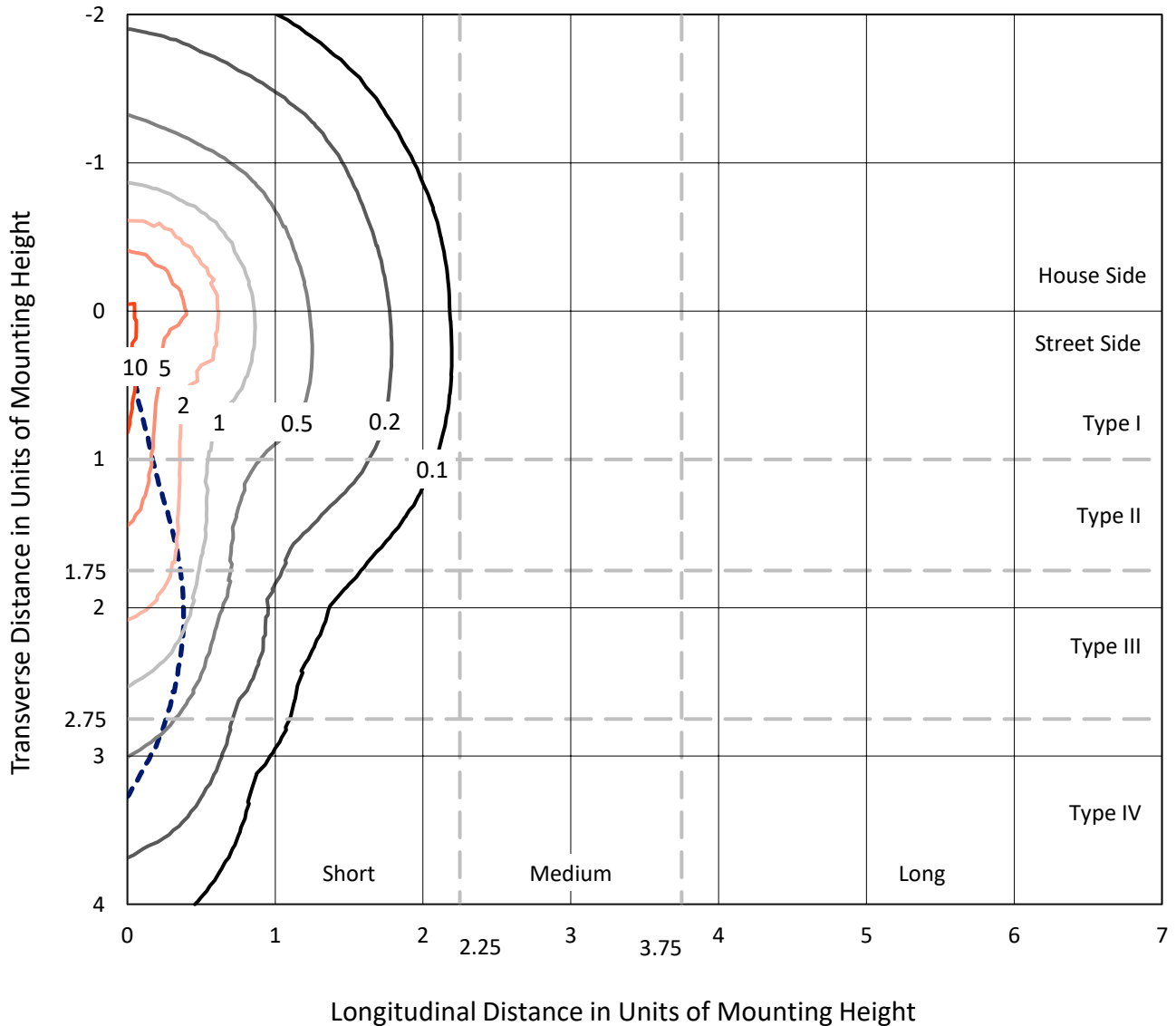
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P457078  
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### Iso-Footcandle Lines of Horizontal Illumination

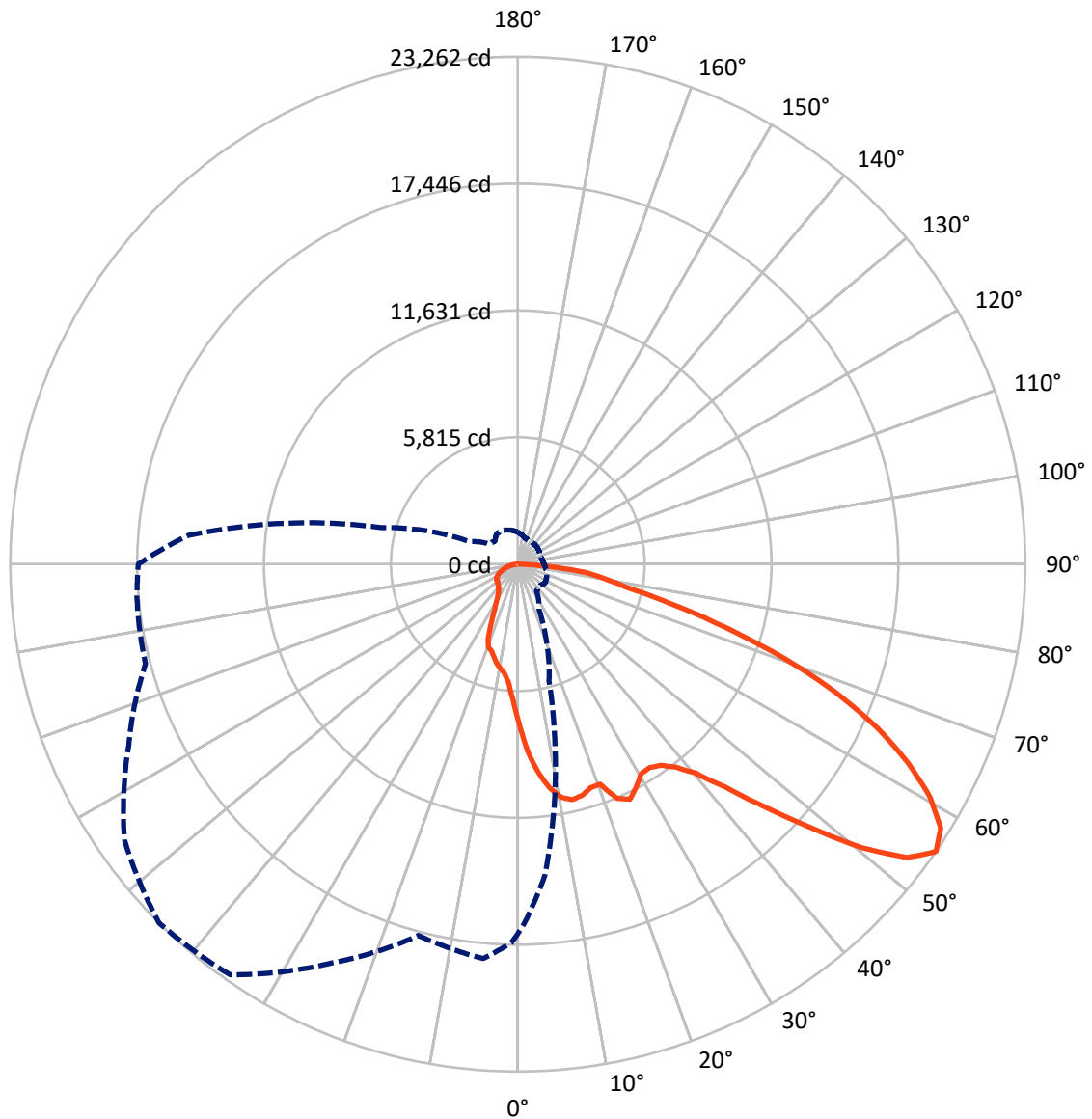
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P457078  
CATALOG NUMBER: GALN-SA8B-827-U-SLR

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P457078

CATALOG NUMBER: GALN-SA8B-827-U-SLR

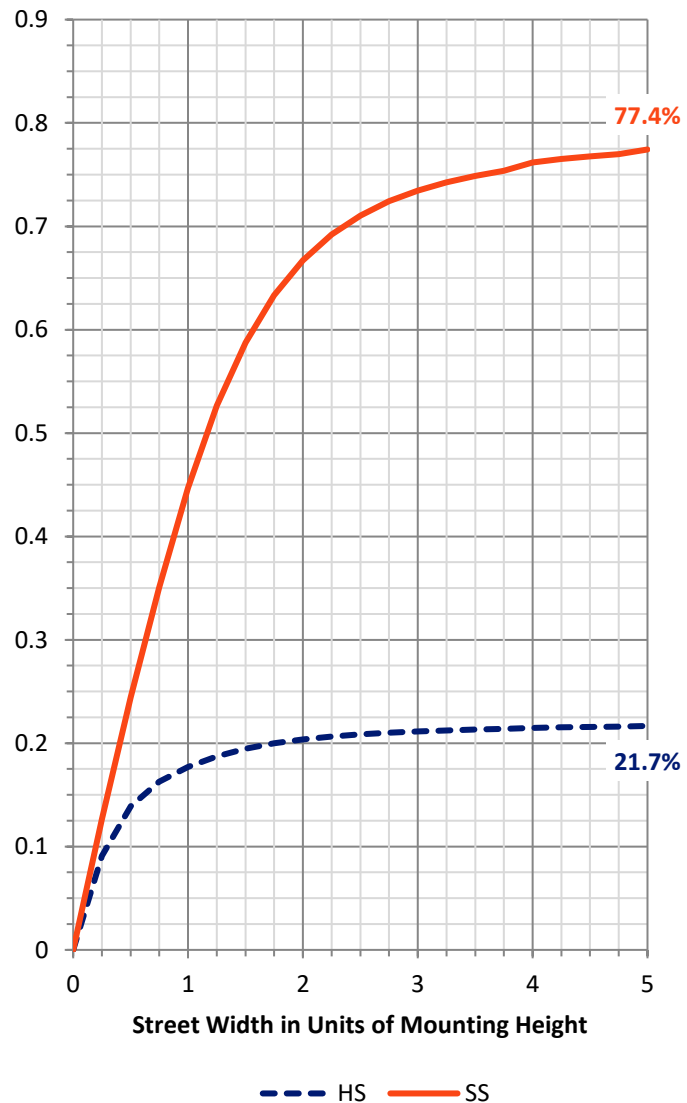
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6369.0	0.0	6369.0
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	22747.0	0.0	22747.0
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	29116.0	0.0	29116.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	619.3	2.1
10°-20°	1643.0	5.6
20°-30°	2838.3	9.7
30°-40°	3298.6	11.3
40°-50°	4602.2	15.8
50°-60°	6244.7	21.4
60°-70°	5941.1	20.4
70°-80°	3209.5	11.0
80°-90°	719.3	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°	29116.0	100.0
0°-180°	29116.0	100.0



REPORT NUMBER: P457078

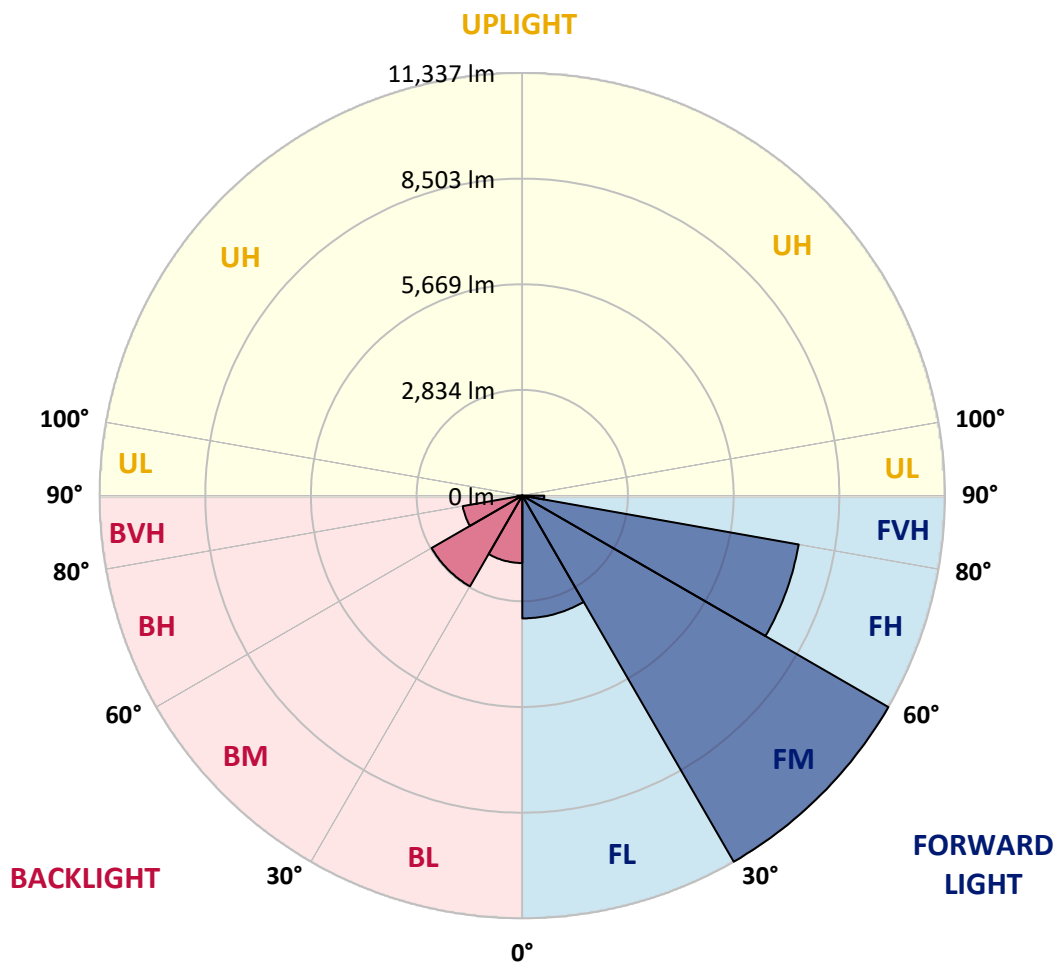
CATALOG NUMBER: GALN-SA8B-827-U-SLR

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3293.1	11.3			
FM	(30°-60°)	11337.2	38.9			
FH	(60°-80°)	7528.9	25.9			G4/12000
FVH	(80°-90°)	587.9	2.0			G4/750
BL	(0°-30°)	1807.5	6.2	B3/2500		
BM	(30°-60°)	2808.3	9.6	B3/5000		
BH	(60°-80°)	1621.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	131.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short





REPORT NUMBER: P457078

CATALOG NUMBER: GALN-SA8B-827-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0
2.5°	8117.6	8086.9	8000.4	7773.7	7545.2	7312.7	7134.1	6911.3	6678.9	6554.0	6394.6
5°	8229.0	8194.4	7990.8	7479.9	7016.9	6530.9	6142.9	5802.9	5664.6	5461.0	5297.8
7.5°	7967.8	7952.4	7647.0	6913.2	6279.3	5643.5	5203.6	4930.9	4683.1	4590.9	4610.1
10°	7729.6	7668.1	7285.8	6327.3	5587.8	5071.1	4756.1	4489.1	4314.3	4268.2	4277.8
12.5°	7531.7	7449.1	6997.7	5933.6	5286.2	4873.2	4471.8	4193.3	4033.8	4078.0	4227.8
15°	7491.4	7380.0	6876.7	5799.1	5121.0	4589.0	4149.1	3828.3	3709.2	3805.2	4045.3
17.5°	7752.6	7612.4	7084.2	5843.3	4963.5	4298.9	3759.1	3392.3	3292.4	3446.0	3759.1
20°	8592.0	8384.6	7731.5	6098.8	4948.2	4154.8	3532.5	3163.7	3205.9	3497.9	3824.4
22.5°	10144.1	9832.9	8864.8	6471.4	5028.8	4118.3	3486.4	3294.3	3526.7	3774.5	3989.6
25°	10451.4	10207.5	9068.4	6555.9	5011.5	4093.4	3617.0	3713.0	3972.4	4095.3	4020.4
27.5°	10624.3	10345.8	9055.0	6137.2	4481.4	3713.0	3457.6	3617.0	3682.3	3563.2	3359.6
30°	11027.7	10737.6	9283.6	5697.3	3690.0	2754.5	2414.5	2349.2	2393.4	2416.5	2343.5
32.5°	11582.8	11296.6	9713.8	5409.2	3190.6	2278.1	1943.9	1851.7	1830.6	1805.6	1776.8
35°	12301.2	11861.4	10136.4	5224.8	2985.0	2107.2	1799.9	1728.8	1700.0	1665.4	1634.7
37.5°	13031.2	12570.2	10670.4	5030.8	2848.6	1988.1	1703.8	1671.2	1621.2	1584.7	1540.5
40°	13807.2	13290.5	11156.4	4861.7	2716.1	1911.3	1634.7	1630.8	1565.5	1523.2	1471.4
42.5°	14479.5	13947.4	11590.5	4758.0	2614.3	1830.6	1592.4	1603.9	1536.7	1473.3	1406.1
45°	15013.5	14491.0	11992.0	4758.0	2531.7	1749.9	1584.7	1577.0	1509.8	1431.0	1354.2
47.5°	15482.2	14942.4	12383.8	4879.0	2479.8	1682.7	1542.5	1555.9	1486.8	1386.9	1312.0
50°	15845.2	15368.9	12912.1	5067.2	2428.0	1628.9	1488.7	1561.7	1467.5	1363.8	1277.4
52.5°	16308.2	15881.7	13547.9	5324.6	2383.8	1569.3	1440.7	1561.7	1465.6	1365.7	1271.6
55°	16949.7	16500.2	14314.3	5537.9	2312.7	1513.6	1398.4	1517.5	1459.9	1356.1	1256.2
57.5°	17399.2	17063.1	14856.0	5680.0	2210.9	1442.6	1360.0	1475.2	1434.9	1319.6	1210.1
58°	17420.3	17091.9	14934.7	5712.7	2185.9	1429.1	1350.4	1456.0	1423.4	1304.3	1194.8
60°	17178.3	16895.9	14950.1	5666.6	2043.8	1361.9	1300.4	1377.3	1361.9	1214.0	1112.2
62.5°	16298.6	15997.0	14329.7	5292.0	1855.6	1279.3	1223.6	1271.6	1237.0	1087.2	993.1
65°	15048.1	14492.9	13054.2	4704.2	1721.1	1190.9	1119.9	1123.7	1087.2	979.6	897.0
67.5°	13382.7	12762.2	11052.7	3964.7	1619.3	1093.0	996.9	987.3	943.1	874.0	806.8
70°	11333.1	10908.6	8982.0	3225.1	1506.0	985.4	858.6	852.9	826.0	774.1	714.6
72.5°	9185.6	8645.8	7253.2	2581.6	1367.7	881.7	729.9	741.5	706.9	670.4	616.6
75°	6778.7	6425.3	5607.0	2070.7	1181.3	768.3	608.9	612.8	597.4	559.0	516.7
77.5°	4464.1	4358.4	4010.8	1360.0	908.6	610.8	497.5	501.3	489.8	455.2	411.1
80°	3004.2	2933.2	2718.0	875.9	607.0	441.8	384.2	388.0	386.1	349.6	290.1
82.5°	1851.7	1821.0	1751.8	591.6	420.7	316.9	253.6	265.1	286.2	245.9	197.8
85°	874.0	875.9	1058.4	322.7	247.8	203.6	138.3	147.9	147.9	147.9	111.4
87.5°	113.3	119.1	146.0	136.4	90.3	76.8	49.9	42.3	36.5	48.0	34.6
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: P457078

CATALOG NUMBER: GALN-SA8B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0
2.5°	6338.9	6300.4	6217.8	6198.6	6187.1	6219.8	6133.3	6156.4	6118.0	6225.5	6208.2
5°	5307.4	5311.2	5378.4	5422.6	5438.0	5422.6	5365.0	5265.1	5188.3	5157.5	5165.2
7.5°	4573.6	4640.8	4756.1	4884.8	5001.9	5036.5	5003.9	4813.7	4606.2	4475.6	4433.4
10°	4329.6	4419.9	4552.5	4654.3	4758.0	4840.6	4857.9	4710.0	4464.1	4154.8	4033.8
12.5°	4343.1	4466.0	4592.8	4625.4	4615.8	4648.5	4633.1	4608.2	4446.8	4053.0	3851.3
15°	4216.3	4362.3	4450.6	4433.4	4402.6	4373.8	4333.5	4270.1	4212.5	3935.9	3713.0
17.5°	3924.3	4074.2	4147.2	4152.9	4152.9	4145.2	4047.3	4024.2	4016.5	3882.1	3745.7
20°	3978.1	4060.7	4028.1	3974.3	3989.6	4041.5	3983.9	3972.4	4016.5	4076.1	4051.1
22.5°	4008.8	3980.0	3734.2	3496.0	3442.2	3603.5	3636.2	3764.9	3943.5	4158.7	4298.9
25°	3818.7	3586.3	3146.4	2877.5	2725.7	2875.5	3071.5	3309.7	3576.7	3853.3	4016.5
27.5°	3192.5	3015.8	2700.7	2458.7	2326.2	2349.2	2516.3	2733.4	2981.2	3167.5	3286.6
30°	2404.9	2326.2	2162.9	2080.3	1999.6	1980.4	2051.5	2134.1	2243.6	2266.6	2297.4
32.5°	1771.0	1759.5	1769.1	1742.2	1726.9	1724.9	1703.8	1723.0	1734.5	1748.0	1721.1
35°	1602.0	1586.6	1559.7	1552.1	1542.5	1546.3	1536.7	1527.1	1534.8	1546.3	1554.0
37.5°	1515.6	1492.5	1454.1	1440.7	1440.7	1446.4	1431.0	1427.2	1440.7	1477.1	1496.4
40°	1448.3	1421.4	1377.3	1360.0	1371.5	1386.9	1365.7	1358.1	1390.7	1429.1	1459.9
42.5°	1384.9	1363.8	1321.6	1302.3	1312.0	1340.8	1310.0	1304.3	1346.5	1388.8	1425.3
45°	1331.2	1310.0	1271.6	1262.0	1265.9	1292.7	1271.6	1271.6	1312.0	1358.1	1390.7
47.5°	1288.9	1262.0	1237.0	1229.4	1233.2	1248.6	1244.7	1244.7	1283.1	1331.2	1363.8
50°	1246.6	1223.6	1190.9	1194.8	1204.4	1225.5	1223.6	1229.4	1267.8	1327.3	1361.9
52.5°	1227.4	1192.9	1156.4	1160.2	1189.0	1214.0	1206.3	1212.1	1256.2	1367.7	1417.6
55°	1206.3	1160.2	1117.9	1123.7	1156.4	1192.9	1183.3	1190.9	1242.8	1394.5	1463.7
57.5°	1166.0	1112.2	1066.1	1069.9	1117.9	1156.4	1141.0	1150.6	1212.1	1365.7	1438.7
58°	1148.7	1102.6	1058.4	1060.3	1106.4	1148.7	1131.4	1139.1	1202.5	1358.1	1427.2
60°	1075.7	1048.8	1010.4	1012.3	1056.5	1093.0	1083.4	1091.1	1152.5	1302.3	1354.2
62.5°	975.8	960.4	950.8	950.8	977.7	1012.3	1021.9	1031.5	1087.2	1177.5	1223.6
65°	868.2	868.2	870.2	870.2	887.4	931.6	937.4	962.4	1014.2	1058.4	1093.0
67.5°	795.2	791.4	795.2	785.6	793.3	820.2	849.0	872.1	925.9	956.6	968.1
70°	701.1	699.2	701.1	687.7	697.3	720.3	739.5	778.0	833.7	856.7	862.5
72.5°	608.9	608.9	612.8	603.2	603.2	628.1	641.6	683.8	735.7	749.1	751.1
75°	512.9	518.6	518.6	505.2	509.0	524.4	541.7	576.3	624.3	633.9	633.9
77.5°	407.2	428.4	428.4	414.9	420.7	422.6	445.6	462.9	499.4	503.3	487.9
80°	295.8	316.9	334.2	322.7	332.3	320.8	334.2	345.8	382.3	365.0	340.0
82.5°	211.3	226.7	240.1	242.0	232.4	211.3	228.6	230.5	247.8	224.7	211.3
85°	117.2	130.6	147.9	140.2	124.9	111.4	117.2	121.0	119.1	113.3	105.6
87.5°	30.7	32.7	36.5	26.9	25.0	21.1	28.8	28.8	32.7	34.6	32.7
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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CATALOG NUMBER: GALN-SA8B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0
2.5°	6221.7	6306.2	6488.7	6627.0	6796.0	7001.6	7243.6	7487.5	7750.7	7833.3	7948.5
5°	5147.9	5359.2	5447.6	5699.2	5948.9	6323.5	6723.0	7186.0	7693.1	7937.0	8171.4
7.5°	4398.8	4512.1	4604.3	4788.7	5088.4	5543.6	6045.0	6623.1	7341.6	7696.9	8040.7
10°	3995.4	4006.9	4120.3	4348.8	4610.1	5011.5	5486.0	6133.3	6934.3	7366.5	7769.9
12.5°	3728.4	3678.5	3801.4	4039.6	4335.4	4706.1	5142.2	5758.8	6640.4	7084.2	7572.1
15°	3494.1	3415.3	3507.5	3751.5	4043.4	4479.5	4948.2	5601.2	6525.2	7041.9	7583.6
17.5°	3499.8	3282.8	3315.4	3520.9	3811.0	4254.7	4823.3	5595.5	6700.0	7295.5	7937.0
20°	3932.0	3584.3	3436.4	3474.8	3755.3	4239.4	4880.9	5864.4	7274.3	8142.6	8828.3
22.5°	4356.5	4147.2	3909.0	3830.2	3983.9	4491.0	5247.8	6500.2	8522.9	9831.0	11070.0
25°	4208.6	4387.3	4327.7	4216.3	4250.9	4671.5	5497.5	7022.7	9492.9	10966.2	12130.3
27.5°	3367.3	3691.9	3757.2	3755.3	3768.7	4114.5	4944.3	6671.2	9613.9	11183.3	12295.5
30°	2366.5	2395.3	2429.9	2497.1	2558.6	2867.9	3868.6	5856.7	9560.2	11281.3	12395.4
32.5°	1707.7	1746.1	1794.1	1886.3	2032.3	2426.1	3384.6	5597.4	9844.4	11686.6	12687.3
35°	1561.7	1605.8	1651.9	1757.6	1895.9	2260.9	3192.5	5489.8	10311.2	12343.5	13211.7
37.5°	1515.6	1565.5	1605.8	1682.7	1794.1	2141.8	3017.7	5416.8	10789.5	13038.8	13914.8
40°	1482.9	1540.5	1573.2	1634.7	1711.5	2032.3	2862.1	5359.2	11252.4	13674.7	14479.5
42.5°	1454.1	1513.6	1555.9	1600.1	1663.5	1934.3	2723.8	5301.6	11653.9	14291.3	15042.3
45°	1419.5	1494.4	1548.2	1582.8	1638.5	1851.7	2618.1	5255.5	12111.1	14838.7	15610.9
47.5°	1390.7	1473.3	1540.5	1580.9	1602.0	1794.1	2533.6	5318.9	12660.4	15411.1	16139.1
50°	1392.6	1471.4	1555.9	1619.3	1563.6	1746.1	2481.8	5570.5	13375.0	16091.1	16556.0
52.5°	1454.1	1550.1	1617.4	1632.7	1509.8	1688.4	2454.9	6010.4	14220.2	16692.3	16976.6
55°	1523.2	1623.1	1696.1	1686.5	1481.0	1615.4	2449.1	6479.1	15146.0	17393.5	17524.1
57.5°	1498.3	1644.3	1755.7	1705.7	1482.9	1544.4	2424.1	6857.5	15920.1	17917.8	18065.8
58°	1490.6	1636.6	1763.4	1701.9	1477.1	1523.2	2418.4	6890.2	16027.7	17954.3	18142.6
60°	1415.7	1569.3	1757.6	1673.1	1444.5	1465.6	2355.0	6995.8	15998.9	17766.1	18188.7
62.5°	1279.3	1406.1	1625.1	1532.9	1344.6	1388.8	2212.8	6865.2	15219.0	16859.5	17514.5
65°	1125.6	1219.8	1365.7	1348.4	1202.5	1310.0	2018.8	6348.5	13657.4	15388.1	16077.7
67.5°	1010.4	1087.2	1179.4	1154.4	1081.4	1204.4	1809.5	5474.5	11905.5	13620.9	14489.1
70°	893.2	952.8	998.9	981.6	958.5	1100.7	1623.1	4443.0	10226.7	11942.0	12783.4
72.5°	774.1	829.8	868.2	843.3	829.8	991.2	1471.4	3448.0	8077.2	9852.1	10933.6
75°	647.3	703.0	729.9	701.1	693.4	874.0	1246.6	2575.9	6060.3	7595.1	8528.7
77.5°	501.3	560.9	595.5	585.9	589.7	718.4	1006.5	1763.4	4333.5	5176.7	6160.2
80°	351.5	416.8	439.9	430.3	457.2	547.4	710.7	1119.9	2988.9	3359.6	4053.0
82.5°	217.1	278.5	282.4	292.0	311.2	405.3	535.9	681.9	1876.7	1940.1	2443.3
85°	109.5	132.5	142.1	157.5	174.8	247.8	305.4	422.6	1208.2	914.3	1365.7
87.5°	36.5	38.4	46.1	57.6	71.1	101.8	130.6	172.9	299.7	165.2	422.6
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: P457078

CATALOG NUMBER: GALN-SA8B-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0	7307.0
2.5°	8181.0	8344.2	8463.3	8572.8	8467.2	8457.6	8353.9	8186.7	8117.6	8117.6
5°	8663.1	9045.4	9354.6	9552.5	9468.0	9264.3	8928.2	8499.8	8269.3	8229.0
7.5°	8795.7	9550.6	10124.9	10328.5	10186.4	9736.9	9093.4	8371.1	8040.7	7967.8
10°	8715.0	9696.5	10539.8	10862.5	10664.7	9984.7	9106.8	8221.3	7814.1	7729.6
12.5°	8630.5	9715.7	10616.6	11083.4	10954.7	10184.4	9204.8	8123.3	7652.7	7531.7
15°	8691.9	9723.4	10522.5	11004.6	11087.2	10424.5	9366.1	8194.4	7620.1	7491.4
17.5°	9079.9	9869.4	10388.0	10778.0	11068.0	10751.1	9825.2	8534.4	7912.1	7752.6
20°	9890.5	10219.0	10464.9	10766.5	11233.2	11417.6	10764.5	9468.0	8732.3	8592.0
22.5°	12237.8	12178.3	11675.0	11669.3	12345.4	13084.9	13040.8	11365.8	10259.4	10144.1
25°	13117.6	12841.0	12113.0	11936.3	12234.0	13375.0	13209.8	11753.8	10731.9	10451.4
27.5°	12773.8	12088.0	11609.7	11569.4	11471.4	12549.0	12946.6	11911.3	10897.1	10624.3
30°	12752.6	11744.2	11060.4	11141.0	11235.2	12264.7	13092.6	12405.0	11319.7	11027.7
32.5°	12804.5	11792.2	11100.7	11116.1	11396.5	12307.0	13254.0	12942.8	11874.8	11582.8
35°	13013.9	12065.0	11358.1	11321.6	11759.5	12583.6	13528.7	13788.0	12633.5	12301.2
37.5°	13351.9	12608.6	11828.7	11819.1	12454.9	13083.0	13870.6	14640.8	13388.4	13031.2
40°	13849.5	13244.4	12666.2	12614.3	13400.0	13895.6	14314.3	15549.4	14266.3	13807.2
42.5°	14450.7	14007.0	13770.7	13976.2	14731.1	14808.0	15005.8	16388.8	15013.5	14479.5
45°	15007.7	14986.6	15315.1	15860.6	16300.5	15839.5	15728.1	16951.7	15593.6	15013.5
47.5°	15670.4	16242.9	17234.0	18033.1	18494.1	17040.0	16344.7	17318.5	16016.2	15482.2
50°	16342.7	17746.9	19329.7	20443.8	20541.8	18344.3	16769.2	17664.3	16400.4	15845.2
52.5°	17049.6	18947.4	21054.6	22349.3	22159.1	19479.5	17180.2	17898.6	16796.1	16308.2
55°	17664.3	19683.1	22018.9	23261.7	22983.2	20171.0	17624.0	18152.2	17360.8	16949.7
57.5°	18008.1	19744.6	21778.8	22864.1	22562.5	20036.6	17827.6	18340.4	17721.9	17399.2
58°	18058.1	19662.0	21565.6	22633.6	22326.2	19923.2	17825.6	18332.8	17745.0	17420.3
60°	18013.9	19126.1	20772.3	21723.1	21400.4	19212.5	17752.7	18188.7	17453.0	17178.3
62.5°	17604.7	18196.4	19402.7	20094.2	20002.0	18102.3	17453.0	17645.1	16563.6	16298.6
65°	17066.9	16928.6	17648.9	18138.7	18207.9	17270.5	17155.3	16469.5	15422.6	15048.1
67.5°	16413.8	15491.8	15489.9	15768.4	15883.7	15991.2	16534.8	15192.1	13778.4	13382.7
70°	15305.5	13277.0	12666.2	12994.7	12898.6	13807.2	15426.5	13398.0	11796.0	11333.1
72.5°	13273.2	10536.0	9558.2	9980.8	9738.8	10827.9	13497.9	11025.8	9754.2	9185.6
75°	10758.8	7881.3	6872.9	7260.9	7111.1	8213.6	11231.3	8008.1	6995.8	6778.7
77.5°	8353.9	5710.7	5124.9	5071.1	5182.5	6112.2	8238.6	5407.2	4612.0	4464.1
80°	5366.9	4087.6	4122.2	4053.0	4110.7	3853.3	5001.9	3449.9	3123.3	3004.2
82.5°	3532.5	2848.6	3396.1	3134.9	2977.3	2591.2	3280.8	2258.9	1917.0	1851.7
85°	2406.8	2097.6	1909.3	1459.9	1719.2	1995.8	2460.6	1215.9	964.3	874.0
87.5°	1087.2	729.9	535.9	330.4	522.5	603.2	1194.8	142.1	109.5	113.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)