

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: P457107

Luminaire Tested: **GALN-SA8B-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457107
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-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 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: 31473 lumens
Efficiency: N/A
Efficacy: 96.8 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



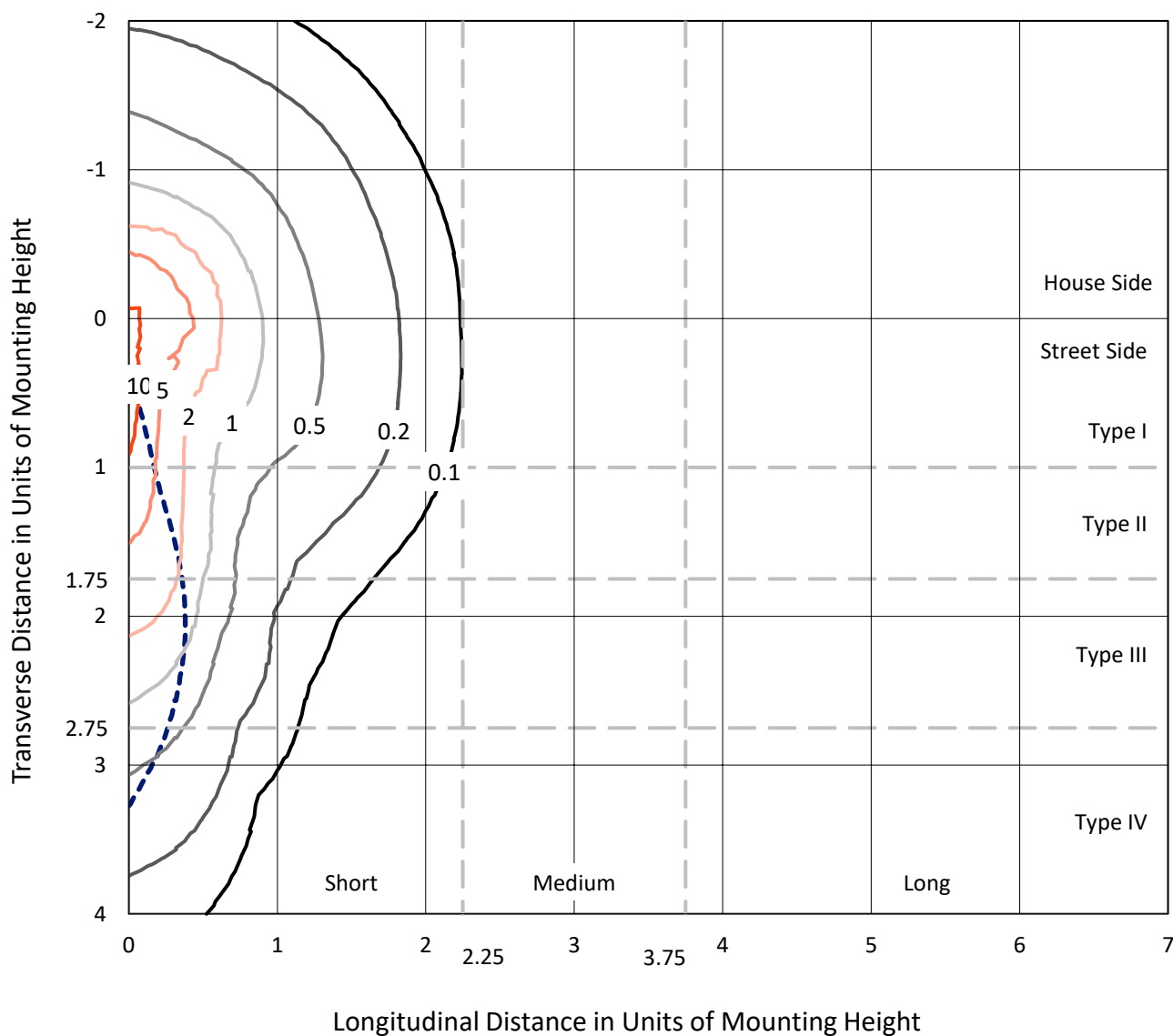
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

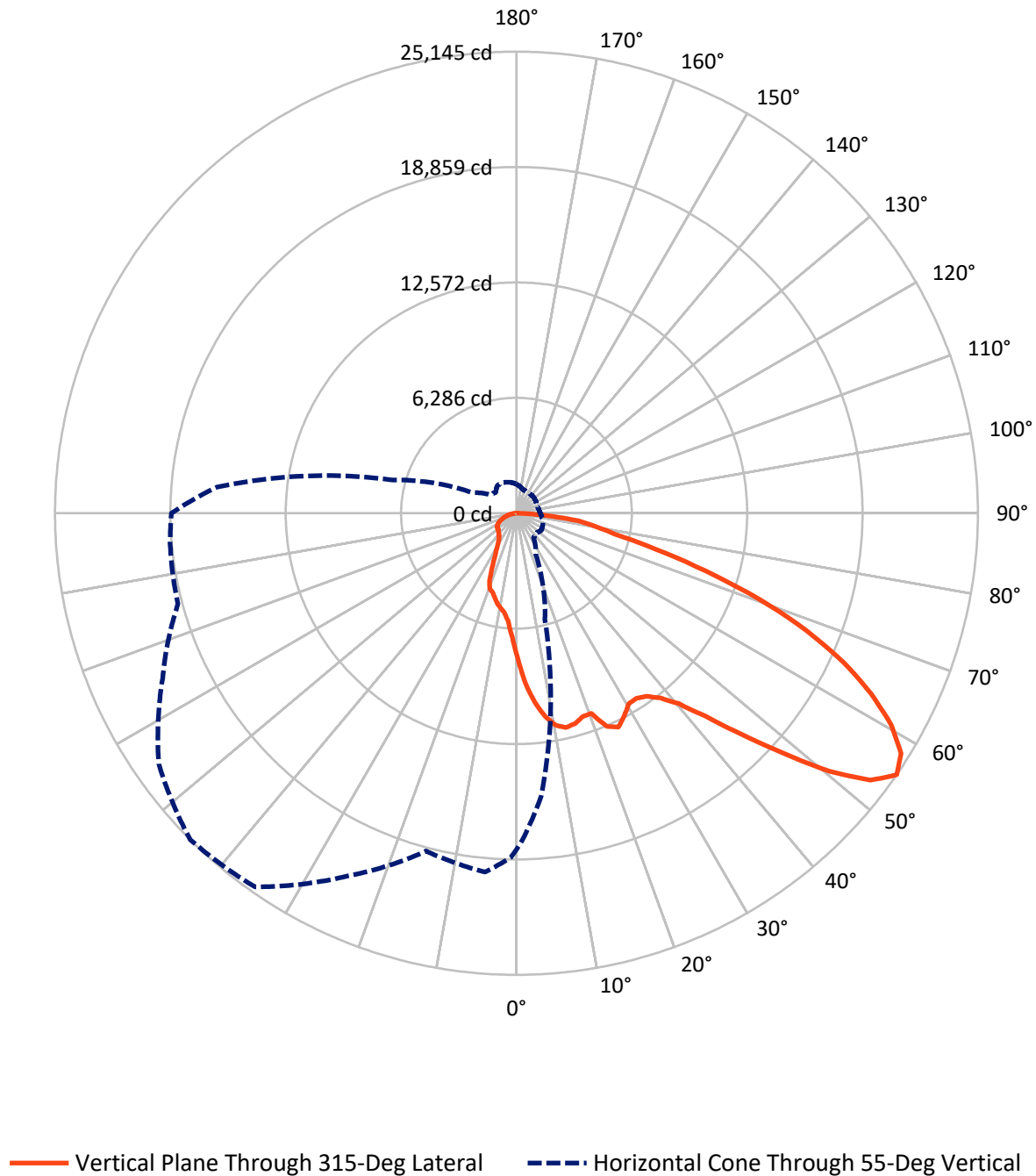


Based on 25 foot mounting height. Maximum calculated value = 13.5 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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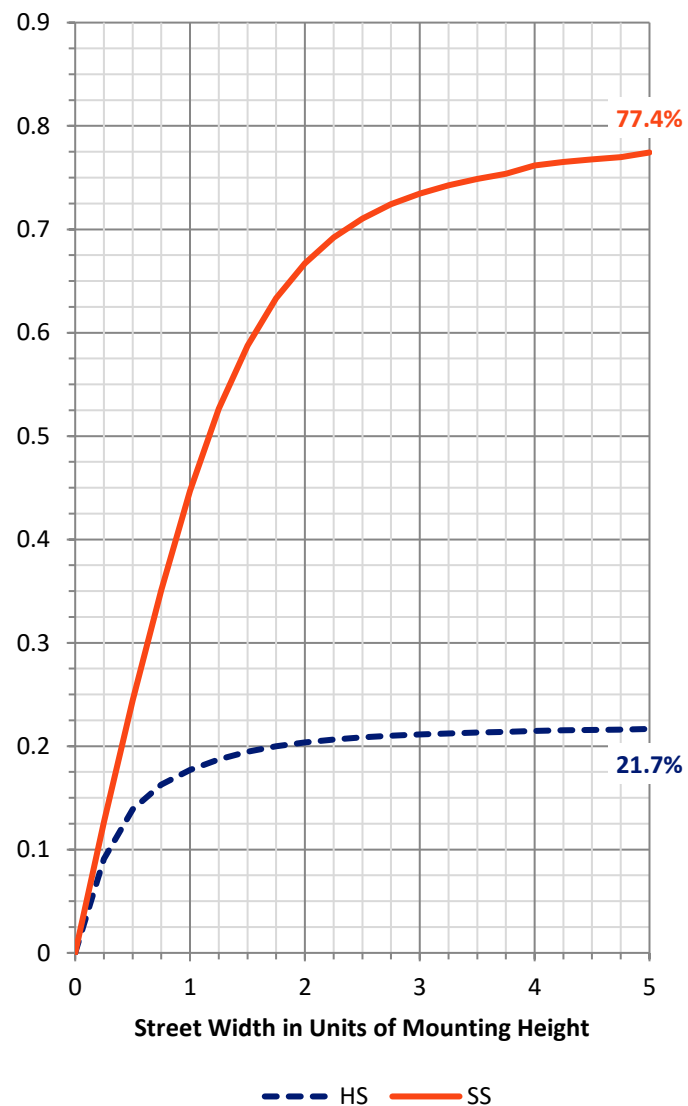
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6884.6	0.0	6884.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	24588.4	0.0	24588.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	31473.0	0.0	31473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.4	2.1
10°-20°	1776.0	5.6
20°-30°	3068.1	9.7
30°-40°	3565.6	11.3
40°-50°	4974.8	15.8
50°-60°	6750.2	21.4
60°-70°	6422.0	20.4
70°-80°	3469.3	11.0
80°-90°	777.5	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°	31473.0	100.0
0°-180°	31473.0	100.0

Coefficient of Utilization



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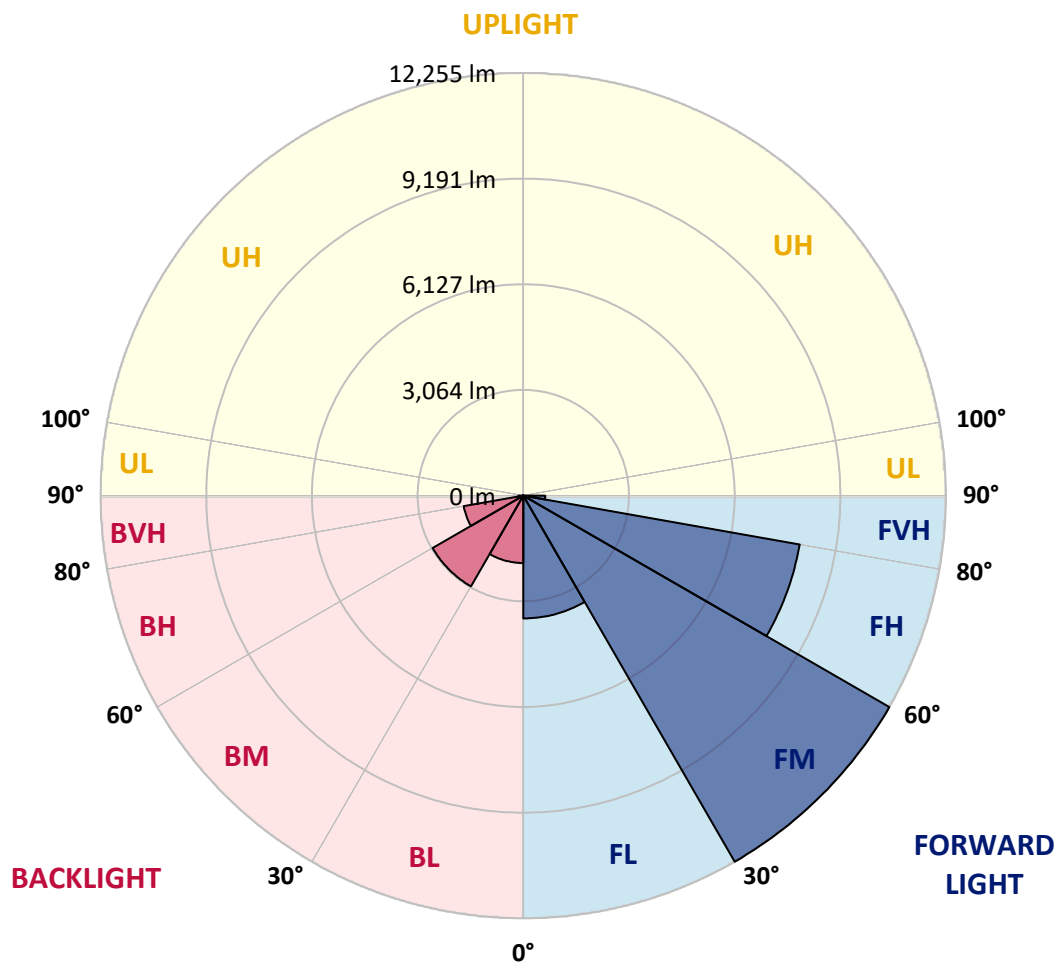
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3559.7	11.3			
FM	(30°-60°)	12254.9	38.9			
FH	(60°-80°)	8138.4	25.9			G4/12000
FVH	(80°-90°)	635.4	2.0			G4/750
BL	(0°-30°)	1953.9	6.2	B3/2500		
BM	(30°-60°)	3035.7	9.6	B3/5000		
BH	(60°-80°)	1753.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	142.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5
2.5°	8774.7	8741.5	8648.1	8403.1	8156.0	7904.7	7711.6	7470.8	7219.5	7084.6	6912.2
5°	8895.1	8857.8	8637.7	8085.4	7585.0	7059.6	6640.2	6272.7	6123.2	5903.1	5726.6
7.5°	8612.8	8596.2	8266.0	7472.8	6787.6	6100.4	5624.9	5330.0	5062.2	4962.5	4983.3
10°	8355.3	8288.9	7875.7	6839.5	6040.1	5481.6	5141.1	4852.5	4663.5	4613.7	4624.1
12.5°	8141.4	8052.1	7564.2	6413.9	5714.2	5267.7	4833.8	4532.7	4360.4	4408.1	4570.1
15°	8097.8	7977.4	7433.4	6268.5	5535.6	4960.4	4484.9	4138.2	4009.5	4113.3	4372.8
17.5°	8380.2	8228.6	7657.6	6316.3	5365.3	4646.9	4063.4	3666.9	3558.9	3725.0	4063.4
20°	9287.6	9063.3	8357.4	6592.5	5348.7	4491.2	3818.4	3419.8	3465.5	3781.1	4134.0
22.5°	10965.3	10628.9	9582.4	6995.3	5435.9	4451.7	3768.6	3561.0	3812.2	4080.1	4312.6
25°	11297.5	11033.8	9802.5	7086.6	5417.2	4424.7	3909.8	4013.6	4293.9	4426.8	4345.8
27.5°	11484.4	11183.3	9788.0	6634.0	4844.2	4013.6	3737.5	3909.8	3980.4	3851.7	3631.6
30°	11920.4	11606.9	10035.1	6158.5	3988.7	2977.5	2610.0	2539.4	2587.2	2612.1	2533.2
32.5°	12520.5	12211.1	10500.2	5847.0	3448.8	2462.6	2101.3	2001.6	1978.8	1951.8	1920.6
35°	13297.0	12821.6	10957.0	5647.7	3226.7	2277.8	1945.6	1868.7	1837.6	1800.2	1767.0
37.5°	14086.1	13587.7	11534.2	5438.0	3079.2	2149.0	1841.7	1806.4	1752.5	1713.0	1665.2
40°	14924.9	14366.4	12059.5	5255.3	2936.0	2066.0	1767.0	1762.8	1692.2	1646.6	1590.5
42.5°	15651.6	15076.5	12528.8	5143.2	2825.9	1978.8	1721.3	1733.8	1661.1	1592.6	1519.9
45°	16228.9	15664.1	12962.7	5143.2	2736.6	1891.6	1713.0	1704.7	1632.0	1546.9	1463.8
47.5°	16735.5	16152.0	13386.3	5274.0	2680.6	1818.9	1667.3	1681.9	1607.1	1499.1	1418.2
50°	17127.9	16613.0	13957.3	5477.5	2624.5	1760.8	1609.2	1688.1	1586.3	1474.2	1380.8
52.5°	17628.3	17167.4	14644.6	5755.7	2576.8	1696.4	1557.3	1688.1	1584.3	1476.3	1374.6
55°	18321.8	17836.0	15473.1	5986.2	2499.9	1636.2	1511.6	1640.3	1578.0	1465.9	1357.9
57.5°	18807.7	18444.4	16058.6	6139.8	2389.9	1559.4	1470.1	1594.6	1551.0	1426.5	1308.1
58°	18830.6	18475.5	16143.7	6175.1	2362.9	1544.8	1459.7	1573.9	1538.6	1409.9	1291.5
60°	18568.9	18263.7	16160.4	6125.3	2209.3	1472.1	1405.7	1488.8	1472.1	1312.3	1202.2
62.5°	17618.0	17292.0	15489.7	5720.4	2005.8	1382.9	1322.6	1374.6	1337.2	1175.2	1073.5
65°	16266.2	15666.2	14111.0	5085.0	1860.4	1287.3	1210.5	1214.7	1175.2	1058.9	969.7
67.5°	14466.0	13795.4	11947.4	4285.6	1750.4	1181.5	1077.6	1067.3	1019.5	944.7	872.1
70°	12250.6	11791.7	9709.1	3486.2	1627.9	1065.2	928.1	921.9	892.8	836.8	772.4
72.5°	9929.2	9345.7	7840.4	2790.6	1478.4	953.1	789.0	801.5	764.1	724.7	666.5
75°	7327.5	6945.4	6060.9	2238.3	1277.0	830.5	658.2	662.4	645.7	604.2	558.5
77.5°	4825.5	4711.3	4335.5	1470.1	982.1	660.3	537.8	541.9	529.5	492.1	444.3
80°	3247.4	3170.6	2938.1	946.8	656.1	477.6	415.3	419.4	417.3	377.9	313.5
82.5°	2001.6	1968.4	1893.6	639.5	454.7	342.6	274.1	286.5	309.4	265.8	213.9
85°	944.7	946.8	1144.1	348.8	267.9	220.1	149.5	159.9	159.9	159.9	120.4
87.5°	122.5	128.7	157.8	147.4	97.6	83.1	54.0	45.7	39.5	51.9	37.4
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°	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5
2.5°	6852.0	6810.5	6721.2	6700.4	6688.0	6723.3	6629.8	6654.8	6613.2	6729.5	6710.8
5°	5737.0	5741.2	5813.8	5861.6	5878.2	5861.6	5799.3	5691.3	5608.3	5575.0	5583.3
7.5°	4943.8	5016.5	5141.1	5280.2	5406.9	5444.2	5408.9	5203.4	4979.1	4837.9	4792.3
10°	4680.1	4777.7	4921.0	5031.0	5143.2	5232.4	5251.1	5091.2	4825.5	4491.2	4360.4
12.5°	4694.7	4827.5	4964.6	4999.9	4989.5	5024.8	5008.2	4981.2	4806.8	4381.1	4163.1
15°	4557.6	4715.4	4810.9	4792.3	4759.0	4727.9	4684.3	4615.8	4553.5	4254.5	4013.6
17.5°	4242.0	4404.0	4482.9	4489.1	4489.1	4480.8	4374.9	4350.0	4341.7	4196.3	4048.9
20°	4300.2	4389.4	4354.1	4296.0	4312.6	4368.7	4306.4	4293.9	4341.7	4406.0	4379.1
22.5°	4333.4	4302.2	4036.5	3779.0	3720.8	3895.3	3930.6	4069.7	4262.8	4495.3	4646.9
25°	4127.8	3876.6	3401.1	3110.4	2946.4	3108.3	3320.1	3577.6	3866.2	4165.2	4341.7
27.5°	3450.9	3259.9	2919.4	2657.7	2514.5	2539.4	2720.0	2954.7	3222.5	3423.9	3552.7
30°	2599.6	2514.5	2338.0	2248.7	2161.5	2140.7	2217.6	2306.8	2425.2	2450.1	2483.3
32.5°	1914.4	1902.0	1912.3	1883.3	1866.7	1864.6	1841.7	1862.5	1875.0	1889.5	1860.4
35°	1731.7	1715.1	1686.0	1677.7	1667.3	1671.5	1661.1	1650.7	1659.0	1671.5	1679.8
37.5°	1638.3	1613.3	1571.8	1557.3	1557.3	1563.5	1546.9	1542.7	1557.3	1596.7	1617.5
40°	1565.6	1536.5	1488.8	1470.1	1482.5	1499.1	1476.3	1468.0	1503.3	1544.8	1578.0
42.5°	1497.1	1474.2	1428.5	1407.8	1418.2	1449.3	1416.1	1409.9	1455.5	1501.2	1540.7
45°	1438.9	1416.1	1374.6	1364.2	1368.3	1397.4	1374.6	1374.6	1418.2	1468.0	1503.3
47.5°	1393.2	1364.2	1337.2	1328.9	1333.0	1349.6	1345.5	1345.5	1387.0	1438.9	1474.2
50°	1347.6	1322.6	1287.3	1291.5	1301.9	1324.7	1322.6	1328.9	1370.4	1434.8	1472.1
52.5°	1326.8	1289.4	1250.0	1254.1	1285.3	1312.3	1304.0	1310.2	1357.9	1478.4	1532.4
55°	1304.0	1254.1	1208.4	1214.7	1250.0	1289.4	1279.0	1287.3	1343.4	1507.4	1582.2
57.5°	1260.4	1202.2	1152.4	1156.5	1208.4	1250.0	1233.4	1243.7	1310.2	1476.3	1555.2
58°	1241.7	1191.8	1144.1	1146.2	1196.0	1241.7	1223.0	1231.3	1299.8	1468.0	1542.7
60°	1162.8	1133.7	1092.2	1094.2	1142.0	1181.5	1171.1	1179.4	1245.8	1407.8	1463.8
62.5°	1054.8	1038.2	1027.8	1027.8	1056.9	1094.2	1104.6	1115.0	1175.2	1272.8	1322.6
65°	938.5	938.5	940.6	940.6	959.3	1007.0	1013.3	1040.3	1096.3	1144.1	1181.5
67.5°	859.6	855.5	859.6	849.2	857.5	886.6	917.8	942.7	1000.8	1034.0	1046.5
70°	757.9	755.8	757.9	743.3	753.7	778.6	799.4	840.9	901.1	926.1	932.3
72.5°	658.2	658.2	662.4	652.0	652.0	679.0	693.5	739.2	795.2	809.8	811.9
75°	554.4	560.6	560.6	546.1	550.2	566.8	585.5	622.9	674.8	685.2	685.2
77.5°	440.2	463.0	463.0	448.5	454.7	456.8	481.7	500.4	539.9	544.0	527.4
80°	319.8	342.6	361.3	348.8	359.2	346.8	361.3	373.7	413.2	394.5	367.5
82.5°	228.4	245.0	259.5	261.6	251.2	228.4	247.1	249.2	267.9	242.9	228.4
85°	126.7	141.2	159.9	151.6	135.0	120.4	126.7	130.8	128.7	122.5	114.2
87.5°	33.2	35.3	39.5	29.1	27.0	22.8	31.1	31.1	35.3	37.4	35.3
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°	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5
2.5°	6725.3	6816.7	7014.0	7163.5	7346.2	7568.4	7830.0	8093.7	8378.1	8467.4	8592.0
5°	5564.7	5793.1	5888.6	6160.6	6430.5	6835.4	7267.3	7767.7	8315.8	8579.5	8832.9
7.5°	4754.9	4877.4	4977.0	5176.4	5500.3	5992.4	6534.3	7159.3	7935.9	8320.0	8691.7
10°	4318.8	4331.3	4453.8	4700.9	4983.3	5417.2	5930.1	6629.8	7495.7	7962.9	8398.9
12.5°	4030.2	3976.2	4109.1	4366.6	4686.4	5087.1	5558.4	6224.9	7178.0	7657.6	8185.0
15°	3776.9	3691.8	3791.4	4055.1	4370.7	4842.1	5348.7	6054.7	7053.4	7612.0	8197.5
17.5°	3783.1	3548.5	3583.8	3806.0	4119.5	4599.1	5213.8	6048.5	7242.4	7886.0	8579.5
20°	4250.3	3874.5	3714.6	3756.1	4059.3	4582.5	5276.0	6339.1	7863.2	8801.7	9543.0
22.5°	4709.2	4482.9	4225.4	4140.3	4306.4	4854.5	5672.6	7026.4	9212.8	10626.8	11966.1
25°	4549.3	4742.4	4678.1	4557.6	4595.0	5049.7	5942.6	7591.2	10261.4	11854.0	13112.2
27.5°	3639.9	3990.8	4061.4	4059.3	4073.8	4447.6	5344.6	7211.2	10392.2	12088.6	13290.8
30°	2558.1	2589.2	2626.6	2699.3	2765.7	3100.0	4181.8	6330.8	10334.1	12194.5	13398.8
32.5°	1845.9	1887.4	1939.3	2039.0	2196.8	2622.4	3658.6	6050.5	10641.4	12632.6	13714.4
35°	1688.1	1735.8	1785.7	1899.9	2049.4	2443.9	3450.9	5934.3	11145.9	13342.7	14281.2
37.5°	1638.3	1692.2	1735.8	1818.9	1939.3	2315.1	3262.0	5855.4	11662.9	14094.4	15041.2
40°	1603.0	1665.2	1700.5	1767.0	1850.0	2196.8	3093.8	5793.1	12163.3	14781.6	15651.6
42.5°	1571.8	1636.2	1681.9	1729.6	1798.1	2090.9	2944.3	5730.8	12597.3	15448.2	16260.0
45°	1534.4	1615.4	1673.6	1710.9	1771.1	2001.6	2830.1	5680.9	13091.5	16039.9	16874.6
47.5°	1503.3	1592.6	1665.2	1708.8	1731.7	1939.3	2738.7	5749.5	13685.3	16658.7	17445.6
50°	1505.4	1590.5	1681.9	1750.4	1690.2	1887.4	2682.7	6021.5	14457.7	17393.7	17896.2
52.5°	1571.8	1675.6	1748.3	1764.9	1632.0	1825.1	2653.6	6496.9	15371.3	18043.6	18350.9
55°	1646.6	1754.5	1833.4	1823.0	1600.9	1746.2	2647.4	7003.6	16372.1	18801.5	18942.7
57.5°	1619.6	1777.4	1897.8	1843.8	1603.0	1669.4	2620.4	7412.6	17208.9	19368.3	19528.2
58°	1611.3	1769.1	1906.1	1839.7	1596.7	1646.6	2614.1	7447.9	17325.2	19407.8	19611.3
60°	1530.3	1696.4	1899.9	1808.5	1561.4	1584.3	2545.6	7562.1	17294.0	19204.3	19661.1
62.5°	1382.9	1519.9	1756.6	1656.9	1453.5	1501.2	2392.0	7420.9	16451.0	18224.3	18932.3
65°	1216.8	1318.5	1476.3	1457.6	1299.8	1416.1	2182.3	6862.4	14763.0	16633.8	17379.2
67.5°	1092.2	1175.2	1274.9	1247.9	1169.0	1301.9	1955.9	5917.6	12869.3	14723.5	15662.0
70°	965.5	1029.9	1079.7	1061.0	1036.1	1189.8	1754.5	4802.6	11054.6	12908.8	13818.2
72.5°	836.8	897.0	938.5	911.5	897.0	1071.4	1590.5	3727.1	8731.1	10649.7	11818.7
75°	699.7	759.9	789.0	757.9	749.6	944.7	1347.6	2784.4	6550.9	8209.9	9219.1
77.5°	541.9	606.3	643.7	633.3	637.4	776.6	1088.0	1906.1	4684.3	5595.8	6658.9
80°	380.0	450.6	475.5	465.1	494.2	591.8	768.3	1210.5	3230.8	3631.6	4381.1
82.5°	234.6	301.1	305.2	315.6	336.4	438.1	579.3	737.1	2028.6	2097.1	2641.1
85°	118.4	143.3	153.7	170.3	188.9	267.9	330.1	456.8	1306.0	988.3	1476.3
87.5°	39.5	41.5	49.8	62.3	76.8	110.0	141.2	186.9	323.9	178.6	456.8
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: P457107

CATALOG NUMBER: GALN-SA8B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5	7898.5
2.5°	8843.2	9019.7	9148.5	9266.8	9152.6	9142.2	9030.1	8849.5	8774.7	8774.7
5°	9364.4	9777.6	10111.9	10325.8	10234.4	10014.3	9650.9	9187.9	8938.8	8895.1
7.5°	9507.7	10323.7	10944.5	11164.6	11011.0	10525.1	9829.5	9048.8	8691.7	8612.8
10°	9420.5	10481.5	11393.0	11741.8	11528.0	10792.9	9844.0	8886.8	8446.7	8355.3
12.5°	9329.1	10502.3	11476.1	11980.6	11841.5	11008.9	9949.9	8780.9	8272.2	8141.4
15°	9395.6	10510.6	11374.3	11895.5	11984.8	11268.4	10124.4	8857.8	8236.9	8097.8
17.5°	9815.0	10668.4	11229.0	11650.5	11964.0	11621.4	10620.6	9225.3	8552.5	8380.2
20°	10691.2	11046.3	11312.0	11638.0	12142.6	12341.9	11636.0	10234.4	9439.2	9287.6
22.5°	13228.5	13164.2	12620.1	12613.9	13344.8	14144.2	14096.4	12285.9	11089.9	10965.3
25°	14179.5	13880.5	13093.6	12902.5	13224.4	14457.7	14279.2	12705.3	11600.7	11297.5
27.5°	13807.8	13066.6	12549.6	12505.9	12400.1	13564.9	13994.7	12875.5	11779.2	11484.4
30°	13785.0	12694.9	11955.7	12042.9	12144.7	13257.6	14152.5	13409.2	12236.0	11920.4
32.5°	13841.1	12746.8	11999.3	12015.9	12319.1	13303.3	14326.9	13990.5	12836.1	12520.5
35°	14067.4	13041.7	12277.5	12238.1	12711.5	13602.3	14623.8	14904.2	13656.3	13297.0
37.5°	14432.8	13629.3	12786.3	12775.9	13463.2	14142.1	14993.4	15826.1	14472.3	14086.1
40°	14970.6	14316.5	13691.6	13635.5	14484.7	15020.4	15473.1	16808.2	15421.2	14924.9
42.5°	15620.5	15140.9	14885.5	15107.6	15923.6	16006.7	16220.6	17715.5	16228.9	15651.6
45°	16222.6	16199.8	16554.9	17144.5	17620.0	17121.7	17001.3	18323.9	16855.9	16228.9
47.5°	16939.0	17557.7	18629.1	19492.9	19991.2	18419.4	17667.8	18720.5	17312.7	16735.5
50°	17665.7	19183.5	20894.5	22098.8	22204.7	19829.3	18126.7	19094.3	17728.0	17127.9
52.5°	18429.8	20481.3	22759.0	24158.5	23953.0	21056.4	18571.0	19347.6	18155.7	17628.3
55°	19094.3	21276.5	23801.4	25144.8	24843.7	21803.9	19050.7	19621.7	18766.2	18321.8
57.5°	19465.9	21343.0	23541.8	24715.0	24389.0	21658.6	19270.7	19825.1	19156.5	18807.7
58°	19519.9	21253.7	23311.4	24465.8	24133.6	21536.1	19268.7	19816.8	19181.5	18830.6
60°	19472.2	20674.4	22453.8	23481.6	23132.8	20767.8	19189.8	19661.1	18865.9	18568.9
62.5°	19029.9	19669.4	20973.4	21720.9	21621.2	19567.7	18865.9	19073.5	17904.5	17618.0
65°	18448.5	18299.0	19077.6	19607.1	19681.9	18668.6	18544.0	17802.8	16671.1	16266.2
67.5°	17742.5	16745.9	16743.8	17044.9	17169.5	17285.7	17873.4	16422.0	14893.8	14466.0
70°	16544.5	14351.8	13691.6	14046.6	13942.8	14924.9	16675.3	14482.6	12751.0	12250.6
72.5°	14347.7	11388.9	10332.0	10788.8	10527.2	11704.5	14590.6	11918.3	10543.8	9929.2
75°	11629.7	8519.3	7429.2	7848.7	7686.7	8878.5	12140.5	8656.4	7562.1	7327.5
77.5°	9030.1	6173.0	5539.7	5481.6	5602.0	6607.0	8905.5	5845.0	4985.4	4825.5
80°	5801.4	4418.5	4455.9	4381.1	4443.4	4165.2	5406.9	3729.2	3376.2	3247.4
82.5°	3818.4	3079.2	3671.0	3388.6	3218.4	2801.0	3546.4	2441.8	2072.2	2001.6
85°	2601.7	2267.4	2063.9	1578.0	1858.3	2157.3	2659.8	1314.3	1042.3	944.7
87.5°	1175.2	789.0	579.3	357.1	564.8	652.0	1291.5	153.7	118.4	122.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)