

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: P456991

Luminaire Tested: **GALN-SA8B-740-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456991
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-740-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 39607 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

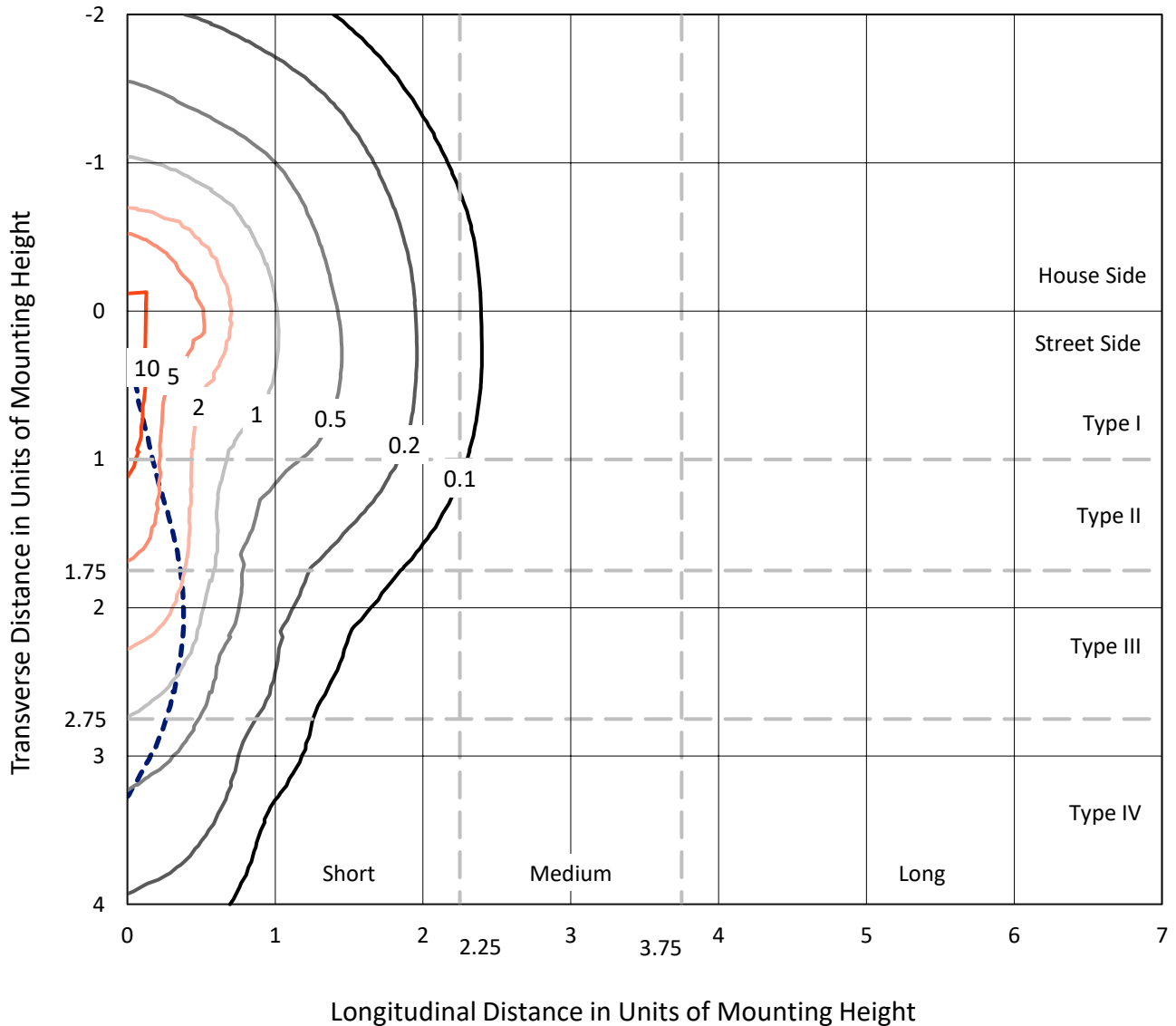
Input Watts (W): 325
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

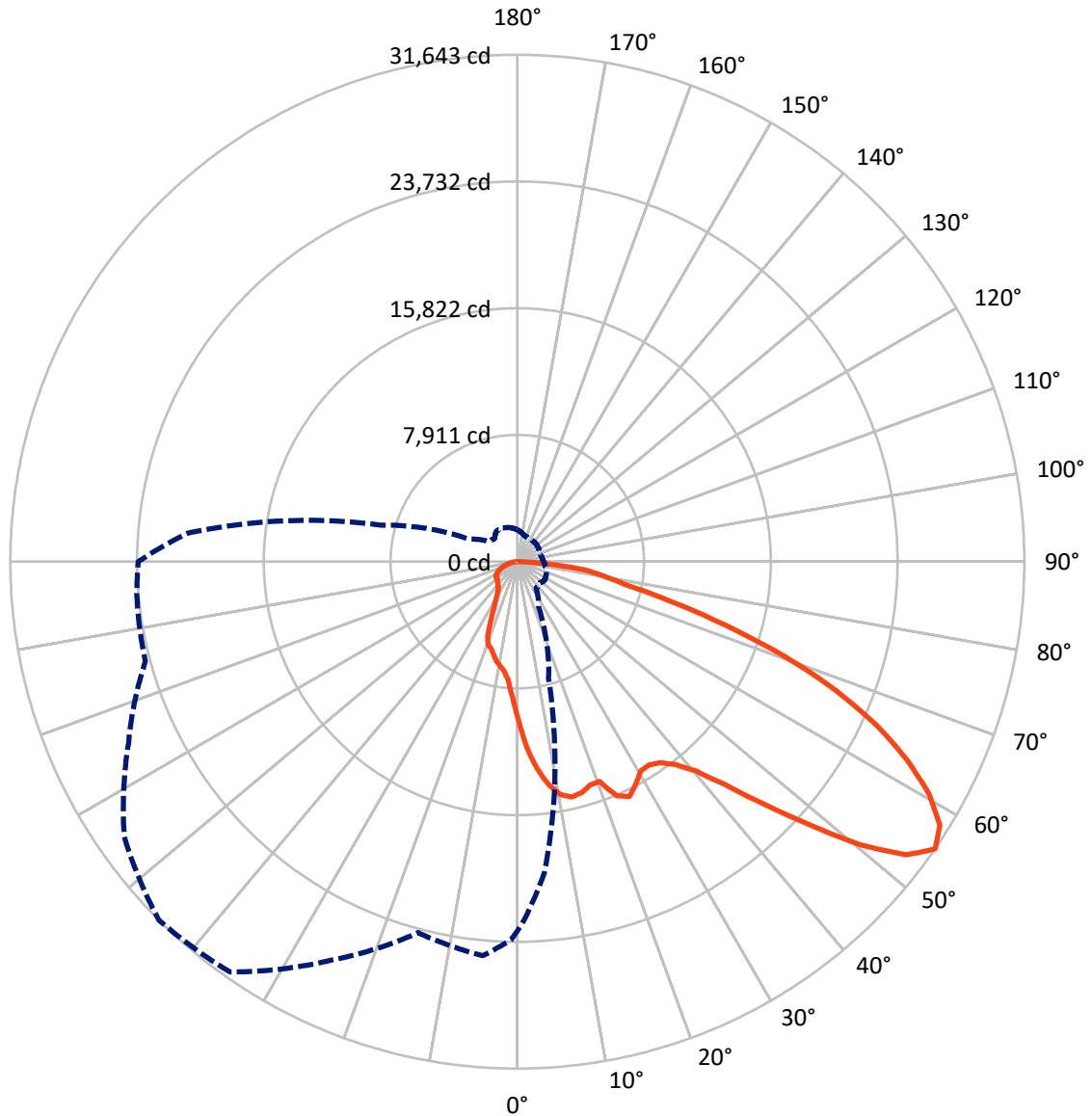
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8663.8	0.0	8663.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	30943.1	0.0	30943.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	39607.0	0.0	39607.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	842.4	2.1
10°-20°	2235.0	5.6
20°-30°	3861.0	9.7
30°-40°	4487.1	11.3
40°-50°	6260.4	15.8
50°-60°	8494.7	21.4
60°-70°	8081.7	20.4
70°-80°	4366.0	11.0
80°-90°	978.5	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°	39607.0	100.0
0°-180°	39607.0	100.0

Coefficient of Utilization



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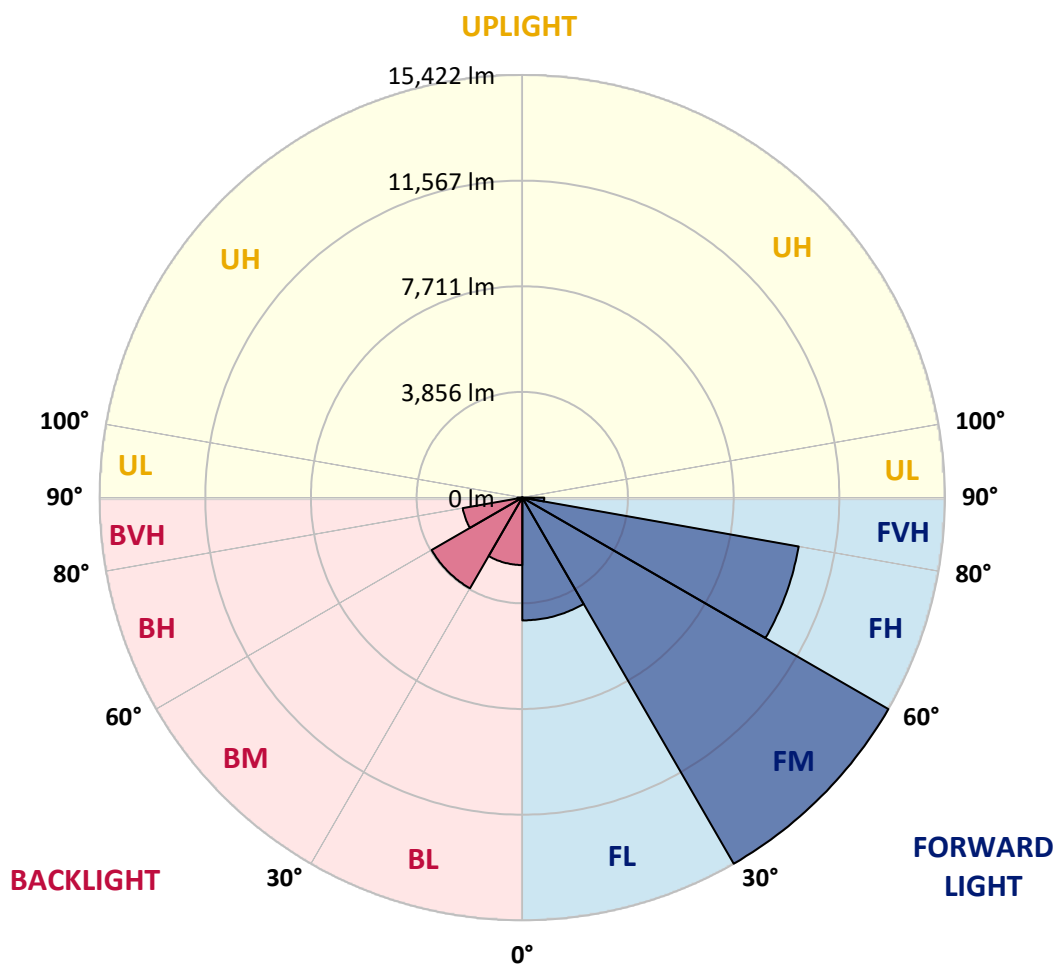
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4479.6	11.3			
FM	(30°-60°)	15422.1	38.9			
FH	(60°-80°)	10241.7	25.9			G4/12000
FVH	(80°-90°)	799.7	2.0			G5
BL	(0°-30°)	2458.8	6.2	B3/2500		
BM	(30°-60°)	3820.2	9.6	B3/5000		
BH	(60°-80°)	2206.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	178.8	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	11042.5	11000.7	10883.1	10574.8	10263.8	9947.6	9704.6	9401.5	9085.4	8915.5	8698.6
5°	11194.0	11147.0	10870.0	10175.0	9545.2	8884.2	8356.3	7893.8	7705.7	7428.7	7206.6
7.5°	10838.7	10817.8	10402.3	9404.1	8541.9	7677.0	7078.6	6707.5	6370.5	6245.0	6271.2
10°	10514.7	10431.1	9911.1	8607.2	7601.2	6898.3	6469.8	6106.6	5868.8	5806.1	5819.1
12.5°	10245.5	10133.2	9519.1	8071.5	7190.9	6629.2	6083.0	5704.2	5487.3	5547.4	5751.2
15°	10190.7	10039.1	9354.5	7888.6	6966.2	6242.4	5644.1	5207.7	5045.7	5176.3	5503.0
17.5°	10546.0	10355.3	9636.7	7948.7	6752.0	5847.9	5113.6	4614.5	4478.7	4687.7	5113.6
20°	11687.9	11405.7	10517.3	8296.2	6731.1	5651.9	4805.3	4303.6	4361.1	4758.3	5202.5
22.5°	13799.2	13375.9	12058.9	8803.2	6840.8	5602.2	4742.6	4481.3	4797.4	5134.5	5427.2
25°	14217.3	13885.4	12335.9	8918.1	6817.3	5568.3	4920.3	5050.9	5403.7	5570.9	5469.0
27.5°	14452.4	14073.6	12317.6	8348.5	6096.1	5050.9	4703.4	4920.3	5009.1	4847.1	4570.1
30°	15001.2	14606.6	12628.6	7750.1	5019.6	3747.0	3284.5	3195.7	3255.8	3287.1	3187.8
32.5°	15756.3	15367.0	13213.9	7358.2	4340.2	3099.0	2644.3	2518.9	2490.2	2456.2	2417.0
35°	16733.6	16135.2	13788.7	7107.3	4060.6	2866.4	2448.4	2351.7	2312.5	2265.5	2223.7
37.5°	17726.5	17099.4	14515.2	6843.4	3875.1	2704.4	2317.7	2273.3	2205.4	2155.7	2095.6
40°	18782.2	18079.3	15176.2	6613.5	3694.8	2599.9	2223.7	2218.4	2129.6	2072.1	2001.5
42.5°	19696.7	18972.9	15766.8	6472.4	3556.3	2490.2	2166.2	2181.8	2090.4	2004.2	1912.7
45°	20423.1	19712.4	16312.9	6472.4	3443.9	2380.4	2155.7	2145.3	2053.8	1946.7	1842.2
47.5°	21060.7	20326.4	16845.9	6637.0	3373.4	2289.0	2098.2	2116.5	2022.5	1886.6	1784.7
50°	21554.5	20906.5	17564.5	6893.1	3302.8	2215.8	2025.1	2124.4	1996.3	1855.2	1737.6
52.5°	22184.3	21604.2	18429.4	7243.2	3242.7	2134.8	1959.7	2124.4	1993.7	1857.8	1729.8
55°	23057.0	22445.6	19472.0	7533.2	3146.0	2059.0	1902.3	2064.3	1985.9	1844.8	1708.9
57.5°	23668.5	23211.2	20208.9	7726.6	3007.6	1962.4	1850.0	2006.8	1951.9	1795.1	1646.2
58°	23697.2	23250.4	20316.0	7771.0	2973.6	1944.1	1836.9	1980.6	1936.2	1774.2	1625.3
60°	23368.0	22983.9	20336.9	7708.3	2780.2	1852.6	1769.0	1873.5	1852.6	1651.4	1512.9
62.5°	22171.2	21761.0	19492.9	7198.8	2524.1	1740.3	1664.5	1729.8	1682.8	1479.0	1350.9
65°	20470.2	19715.0	17757.9	6399.2	2341.2	1620.1	1523.4	1528.6	1479.0	1332.6	1220.3
67.5°	18204.7	17360.7	15035.1	5393.2	2202.7	1486.8	1356.1	1343.1	1283.0	1188.9	1097.5
70°	15416.6	14839.2	12218.3	4387.2	2048.6	1340.5	1168.0	1160.2	1123.6	1053.0	972.0
72.5°	12495.3	11761.1	9866.6	3511.9	1860.4	1199.4	992.9	1008.6	961.6	911.9	838.8
75°	9221.2	8740.4	7627.3	2816.8	1607.0	1045.2	828.3	833.5	812.6	760.4	702.9
77.5°	6072.6	5928.9	5455.9	1850.0	1235.9	830.9	676.8	682.0	666.3	619.3	559.2
80°	4086.7	3990.0	3697.4	1191.5	825.7	601.0	522.6	527.8	525.2	475.6	394.6
82.5°	2518.9	2477.1	2383.0	804.8	572.2	431.1	344.9	360.6	389.3	334.5	269.1
85°	1188.9	1191.5	1439.8	439.0	337.1	277.0	188.1	201.2	201.2	201.2	151.6
87.5°	154.2	162.0	198.6	185.5	122.8	104.5	67.9	57.5	49.6	65.3	47.0
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°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	8622.9	8570.6	8458.2	8432.1	8416.4	8460.9	8343.3	8374.6	8322.4	8468.7	8445.2
5°	7219.7	7224.9	7316.4	7376.5	7397.4	7376.5	7298.1	7162.2	7057.7	7015.9	7026.3
7.5°	6221.5	6313.0	6469.8	6644.8	6804.2	6851.3	6806.8	6548.2	6265.9	6088.3	6030.8
10°	5889.7	6012.5	6192.8	6331.3	6472.4	6584.7	6608.2	6407.0	6072.6	5651.9	5487.3
12.5°	5908.0	6075.2	6247.7	6292.1	6279.0	6323.4	6302.5	6268.6	6049.1	5513.4	5239.0
15°	5735.5	5934.1	6054.3	6030.8	5989.0	5949.8	5894.9	5808.7	5730.3	5354.0	5050.9
17.5°	5338.3	5542.1	5641.4	5649.3	5649.3	5638.8	5505.6	5474.2	5463.8	5280.9	5095.3
20°	5411.5	5523.9	5479.4	5406.3	5427.2	5497.7	5419.3	5403.7	5463.8	5544.8	5510.8
22.5°	5453.3	5414.1	5079.7	4755.6	4682.5	4902.0	4946.4	5121.5	5364.5	5657.1	5847.9
25°	5194.6	4878.5	4280.1	3914.3	3707.8	3911.6	4178.2	4502.2	4865.4	5241.7	5463.8
27.5°	4342.8	4102.4	3673.9	3344.6	3164.3	3195.7	3423.0	3718.3	4055.4	4308.8	4470.8
30°	3271.5	3164.3	2942.2	2829.9	2720.1	2694.0	2790.7	2903.0	3052.0	3083.3	3125.1
32.5°	2409.2	2393.5	2406.6	2370.0	2349.1	2346.5	2317.7	2343.9	2359.5	2377.8	2341.2
35°	2179.2	2158.3	2121.7	2111.3	2098.2	2103.5	2090.4	2077.3	2087.8	2103.5	2113.9
37.5°	2061.6	2030.3	1978.0	1959.7	1959.7	1967.6	1946.7	1941.5	1959.7	2009.4	2035.5
40°	1970.2	1933.6	1873.5	1850.0	1865.7	1886.6	1857.8	1847.4	1891.8	1944.1	1985.9
42.5°	1884.0	1855.2	1797.7	1771.6	1784.7	1823.9	1782.1	1774.2	1831.7	1889.2	1938.8
45°	1810.8	1782.1	1729.8	1716.7	1722.0	1758.5	1729.8	1729.8	1784.7	1847.4	1891.8
47.5°	1753.3	1716.7	1682.8	1672.3	1677.5	1698.4	1693.2	1693.2	1745.5	1810.8	1855.2
50°	1695.8	1664.5	1620.1	1625.3	1638.3	1667.1	1664.5	1672.3	1724.6	1805.6	1852.6
52.5°	1669.7	1622.7	1573.0	1578.2	1617.4	1651.4	1641.0	1648.8	1708.9	1860.4	1928.4
55°	1641.0	1578.2	1520.8	1528.6	1573.0	1622.7	1609.6	1620.1	1690.6	1897.0	1991.1
57.5°	1586.1	1512.9	1450.2	1455.4	1520.8	1573.0	1552.1	1565.2	1648.8	1857.8	1957.1
58°	1562.6	1499.9	1439.8	1442.4	1505.1	1562.6	1539.1	1549.5	1635.7	1847.4	1941.5
60°	1463.3	1426.7	1374.4	1377.0	1437.1	1486.8	1473.7	1484.2	1567.8	1771.6	1842.2
62.5°	1327.4	1306.5	1293.4	1293.4	1330.0	1377.0	1390.1	1403.2	1479.0	1601.8	1664.5
65°	1181.1	1181.1	1183.7	1183.7	1207.2	1267.3	1275.1	1309.1	1379.7	1439.8	1486.8
67.5°	1081.8	1076.6	1081.8	1068.7	1079.2	1115.7	1154.9	1186.3	1259.5	1301.3	1316.9
70°	953.7	951.1	953.7	935.5	948.5	979.9	1006.0	1058.3	1134.0	1165.4	1173.2
72.5°	828.3	828.3	833.5	820.5	820.5	854.4	872.7	930.2	1000.8	1019.1	1021.7
75°	697.7	705.5	705.5	687.2	692.4	713.3	736.9	783.9	849.2	862.3	862.3
77.5°	554.0	582.7	582.7	564.4	572.2	574.9	606.2	629.7	679.4	684.6	663.7
80°	402.4	431.1	454.7	439.0	452.0	436.4	454.7	470.3	520.0	496.5	462.5
82.5°	287.4	308.3	326.6	329.2	316.2	287.4	310.9	313.6	337.1	305.7	287.4
85°	159.4	177.7	201.2	190.7	169.8	151.6	159.4	164.6	162.0	154.2	143.7
87.5°	41.8	44.4	49.6	36.6	34.0	28.7	39.2	39.2	44.4	47.0	44.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	8463.5	8578.4	8826.7	9014.8	9244.8	9524.3	9853.6	10185.4	10543.4	10655.8	10812.5
5°	7002.8	7290.2	7410.4	7752.7	8092.4	8602.0	9145.5	9775.2	10465.0	10796.9	11115.7
7.5°	5983.7	6137.9	6263.3	6514.2	6921.8	7541.1	8223.1	9009.6	9986.8	10470.2	10938.0
10°	5435.0	5450.7	5604.9	5915.8	6271.2	6817.3	7462.7	8343.3	9432.9	10020.8	10569.5
12.5°	5071.8	5003.9	5171.1	5495.1	5897.5	6401.8	6995.0	7833.7	9033.1	9636.7	10300.4
15°	4753.0	4645.9	4771.3	5103.2	5500.3	6093.5	6731.1	7619.5	8876.3	9579.2	10316.1
17.5°	4760.9	4465.6	4510.0	4789.6	5184.2	5787.8	6561.2	7611.6	9114.1	9924.1	10796.9
20°	5348.8	4875.8	4674.6	4726.9	5108.4	5766.9	6639.6	7977.5	9895.4	11076.5	12009.3
22.5°	5926.3	5641.4	5317.4	5210.3	5419.3	6109.2	7138.7	8842.4	11593.8	13373.3	15058.7
25°	5725.1	5968.1	5887.1	5735.5	5782.5	6354.8	7478.4	9553.1	12913.4	14917.6	16501.0
27.5°	4580.6	5022.2	5111.0	5108.4	5126.7	5597.0	6725.8	9074.9	13078.0	15212.8	16725.7
30°	3219.2	3258.4	3305.4	3396.9	3480.5	3901.2	5262.6	7967.0	13004.8	15346.1	16861.6
32.5°	2322.9	2375.2	2440.5	2566.0	2764.5	3300.2	4604.1	7614.2	13391.6	15897.4	17258.8
35°	2124.4	2184.5	2247.2	2390.9	2579.0	3075.5	4342.8	7467.9	14026.5	16791.1	17972.1
37.5°	2061.6	2129.6	2184.5	2289.0	2440.5	2913.5	4105.0	7368.6	14677.2	17737.0	18928.5
40°	2017.2	2095.6	2140.0	2223.7	2328.2	2764.5	3893.4	7290.2	15306.9	18601.9	19696.7
42.5°	1978.0	2059.0	2116.5	2176.6	2262.8	2631.3	3705.2	7211.8	15853.0	19440.6	20462.3
45°	1931.0	2032.9	2106.1	2153.1	2228.9	2518.9	3561.5	7149.1	16474.9	20185.3	21235.8
47.5°	1891.8	2004.2	2095.6	2150.5	2179.2	2440.5	3446.5	7235.4	17222.2	20964.0	21954.3
50°	1894.4	2001.5	2116.5	2202.7	2127.0	2375.2	3376.0	7577.7	18194.2	21889.0	22521.4
52.5°	1978.0	2108.7	2200.1	2221.0	2053.8	2296.8	3339.4	8176.0	19344.0	22706.9	23093.6
55°	2072.1	2208.0	2307.3	2294.2	2014.6	2197.5	3331.6	8813.6	20603.4	23660.6	23838.3
57.5°	2038.1	2236.7	2388.3	2320.3	2017.2	2100.8	3297.6	9328.4	21656.5	24374.0	24575.2
58°	2027.7	2226.3	2398.7	2315.1	2009.4	2072.1	3289.8	9372.8	21802.8	24423.6	24679.7
60°	1925.8	2134.8	2390.9	2275.9	1965.0	1993.7	3203.5	9516.5	21763.6	24167.5	24742.4
62.5°	1740.3	1912.7	2210.6	2085.2	1829.1	1889.2	3010.2	9338.8	20702.7	22934.2	23825.2
65°	1531.2	1659.2	1857.8	1834.3	1635.7	1782.1	2746.3	8635.9	18578.4	20932.7	21870.7
67.5°	1374.4	1479.0	1604.4	1570.4	1471.1	1638.3	2461.4	7447.0	16195.3	18528.7	19709.8
70°	1215.0	1296.0	1358.8	1335.2	1303.9	1497.2	2208.0	6043.8	13911.6	16245.0	17389.4
72.5°	1053.0	1128.8	1181.1	1147.1	1128.8	1348.3	2001.5	4690.3	10987.6	13402.0	14873.1
75°	880.6	956.4	992.9	953.7	943.3	1188.9	1695.8	3504.0	8244.0	10331.8	11601.7
77.5°	682.0	763.0	810.0	797.0	802.2	977.3	1369.2	2398.7	5894.9	7042.0	8379.9
80°	478.2	567.0	598.4	585.3	621.9	744.7	966.8	1523.4	4065.8	4570.1	5513.4
82.5°	295.3	378.9	384.1	397.2	423.3	551.3	729.0	927.6	2552.9	2639.1	3323.7
85°	148.9	180.3	193.4	214.3	237.8	337.1	415.5	574.9	1643.6	1243.8	1857.8
87.5°	49.6	52.3	62.7	78.4	96.7	138.5	177.7	235.2	407.6	224.7	574.9
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: P456991

CATALOG NUMBER: GALN-SA8B-740-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	11128.7	11350.8	11512.8	11661.8	11518.1	11505.0	11363.9	11136.6	11042.5	11042.5
5°	11784.6	12304.6	12725.3	12994.4	12879.4	12602.4	12145.2	11562.5	11248.9	11194.0
7.5°	11964.9	12991.8	13773.1	14050.0	13856.7	13245.2	12369.9	11387.4	10938.0	10838.7
10°	11855.1	13190.4	14337.5	14776.5	14507.3	13582.3	12388.2	11183.6	10629.6	10514.7
12.5°	11740.2	13216.5	14442.0	15076.9	14901.9	13854.1	12521.4	11050.3	10410.1	10245.5
15°	11823.8	13226.9	14314.0	14969.8	15082.2	14180.7	12740.9	11147.0	10365.7	10190.7
17.5°	12351.6	13425.5	14131.0	14661.5	15056.0	14624.9	13365.4	11609.5	10762.9	10546.0
20°	13454.3	13901.1	14235.6	14645.8	15280.8	15531.6	14643.2	12879.4	11878.6	11687.9
22.5°	16647.4	16566.3	15881.7	15873.9	16793.7	17799.7	17739.6	15461.1	13956.0	13799.2
25°	17844.1	17467.8	16477.5	16237.1	16642.1	18194.2	17969.5	15988.9	14598.8	14217.3
27.5°	17376.4	16443.5	15792.9	15738.0	15604.8	17070.7	17611.5	16203.1	14823.5	14452.4
30°	17347.6	15975.8	15045.6	15155.3	15283.4	16683.9	17810.1	16874.7	15398.3	15001.2
32.5°	17418.2	16041.1	15100.5	15121.4	15502.9	16741.4	18029.6	17606.3	16153.5	15756.3
35°	17703.0	16412.2	15450.6	15401.0	15996.7	17117.7	18403.3	18756.0	17185.6	16733.6
37.5°	18162.9	17151.7	16090.8	16077.7	16942.6	17797.1	18868.4	19916.2	18212.5	17726.5
40°	18839.7	18016.6	17230.0	17159.5	18228.2	18902.4	19472.0	21152.1	19406.7	18782.2
42.5°	19657.5	19053.9	18732.5	19012.1	20039.0	20143.5	20412.7	22294.0	20423.1	19696.7
45°	20415.3	20386.5	20833.4	21575.4	22173.8	21546.7	21395.2	23059.6	21212.2	20423.1
47.5°	21316.8	22095.4	23443.7	24530.7	25157.9	23179.8	22233.9	23558.7	21787.1	21060.7
50°	22231.3	24141.4	26294.5	27810.0	27943.3	24954.0	22811.4	24029.0	22309.7	21554.5
52.5°	23192.9	25774.5	28641.0	30402.1	30143.4	26498.3	23370.6	24347.8	22848.0	22184.3
55°	24029.0	26775.3	29952.7	31643.3	31264.4	27439.0	23974.2	24692.7	23616.2	23057.0
57.5°	24496.8	26858.9	29626.1	31102.4	30692.2	27256.1	24251.2	24948.8	24107.4	23668.5
58°	24564.7	26746.6	29336.0	30788.8	30370.8	27101.9	24248.5	24938.4	24138.8	23697.2
60°	24504.6	26017.5	28256.9	29550.3	29111.3	26135.1	24149.2	24742.4	23741.6	23368.0
62.5°	23948.0	24752.8	26393.8	27334.5	27209.1	24624.8	23741.6	24002.9	22531.8	22171.2
65°	23216.4	23028.3	24008.1	24674.5	24768.5	23493.4	23336.6	22403.8	20979.7	20470.2
67.5°	22328.0	21073.8	21071.1	21450.0	21606.8	21753.1	22492.6	20666.1	18743.0	18204.7
70°	20820.3	18061.0	17230.0	17676.9	17546.2	18782.2	20984.9	18225.6	16046.4	15416.6
72.5°	18055.8	14332.2	13002.2	13577.1	13247.9	14729.4	18361.5	14998.6	13268.8	12495.3
75°	14635.4	10721.1	9349.3	9877.1	9673.3	11173.1	15278.1	10893.6	9516.5	9221.2
77.5°	11363.9	7768.4	6971.5	6898.3	7049.8	8314.5	11207.1	7355.6	6273.8	6072.6
80°	7300.7	5560.4	5607.5	5513.4	5591.8	5241.7	6804.2	4692.9	4248.7	4086.7
82.5°	4805.3	3875.1	4619.8	4264.4	4050.1	3524.9	4463.0	3072.9	2607.8	2518.9
85°	3274.1	2853.4	2597.3	1985.9	2338.6	2714.9	3347.2	1654.0	1311.7	1188.9
87.5°	1479.0	992.9	729.0	449.4	710.7	820.5	1625.3	193.4	148.9	154.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)