

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: P456759

Luminaire Tested: **GALN-SA8A-740-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456759
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-SA8A-740-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 615mA 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: 31831.1 lumens
Efficiency: N/A
Efficacy: 130.5 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

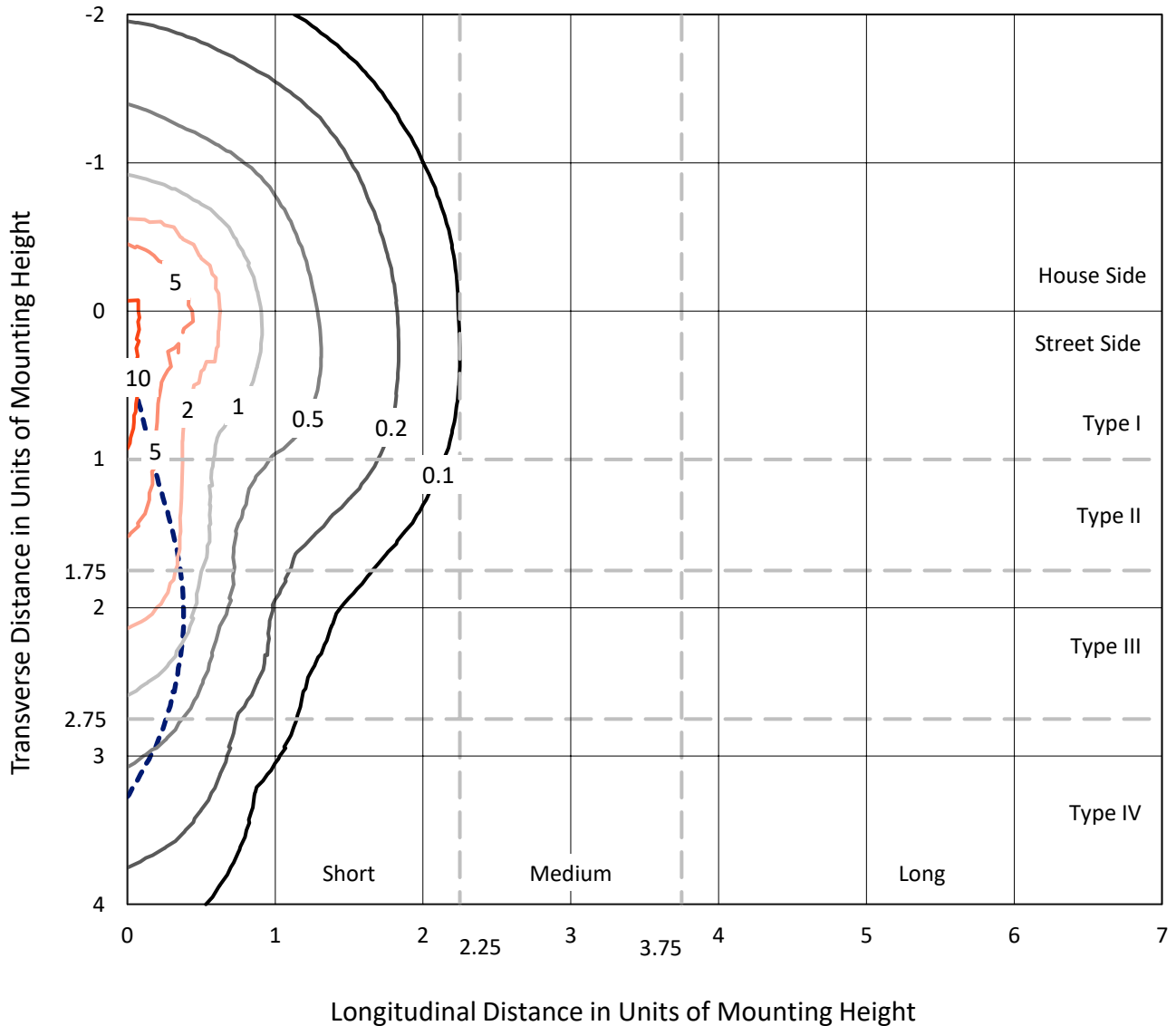
Input Watts (W): 244
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

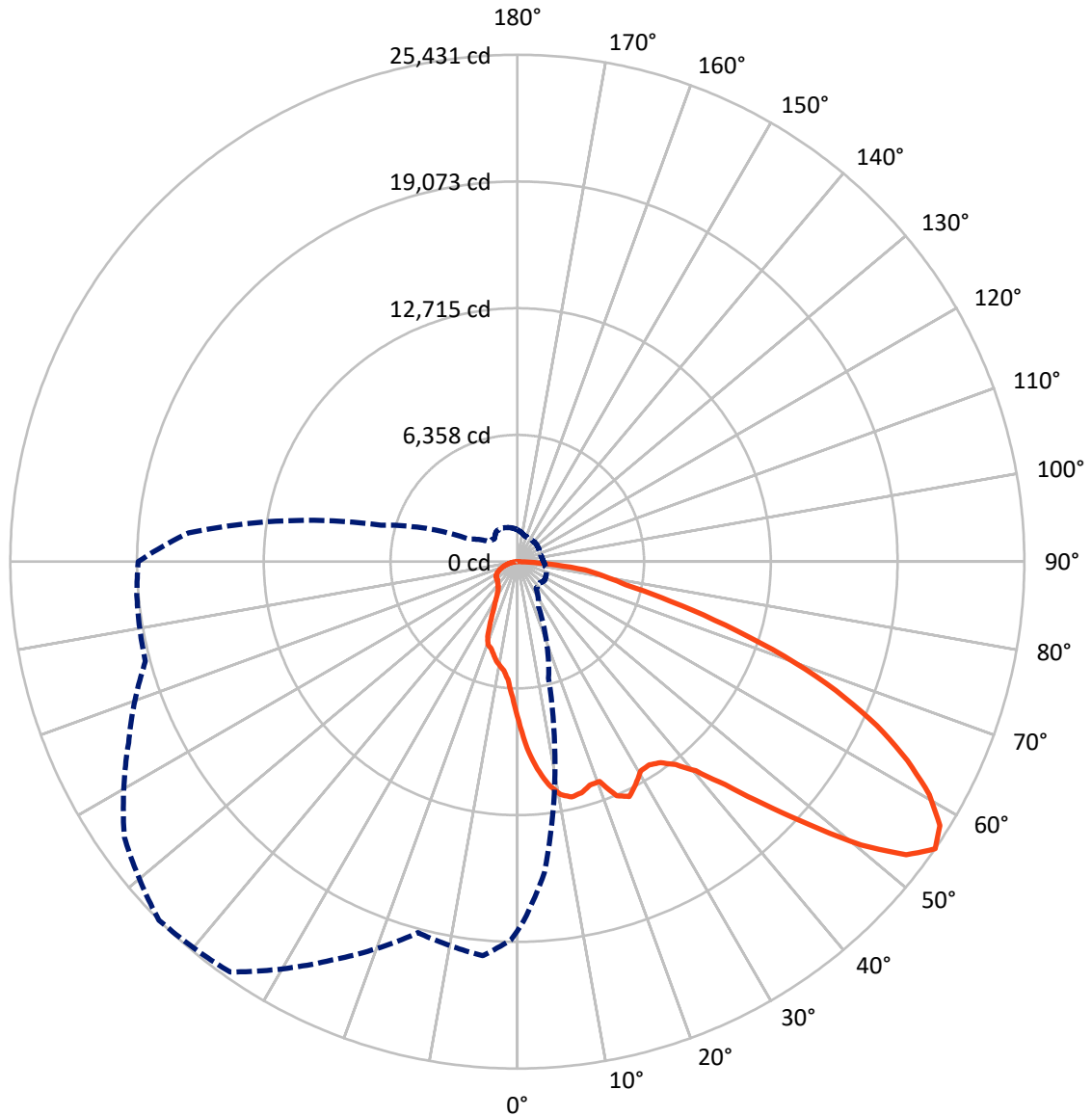
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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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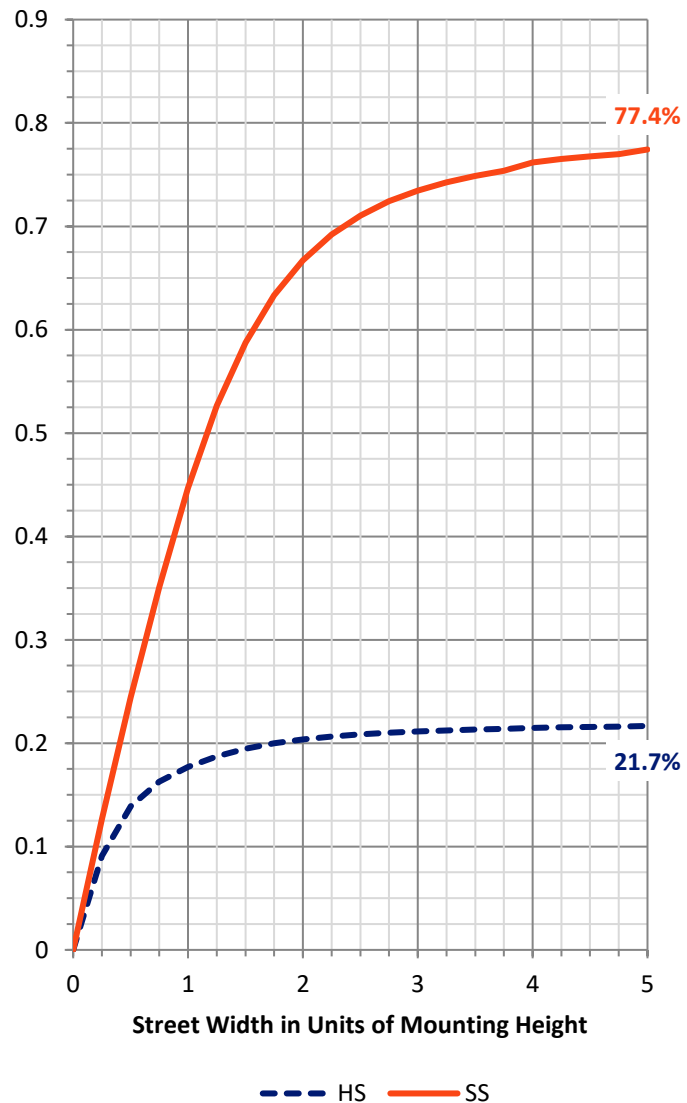
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6962.9	0.0	6962.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	24868.1	0.0	24868.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	31831.1	0.0	31831.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.0	2.1
10°-20°	1796.2	5.6
20°-30°	3103.0	9.7
30°-40°	3606.2	11.3
40°-50°	5031.4	15.8
50°-60°	6827.0	21.4
60°-70°	6495.1	20.4
70°-80°	3508.8	11.0
80°-90°	786.4	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°	31831.1	100.0
0°-180°	31831.1	100.0



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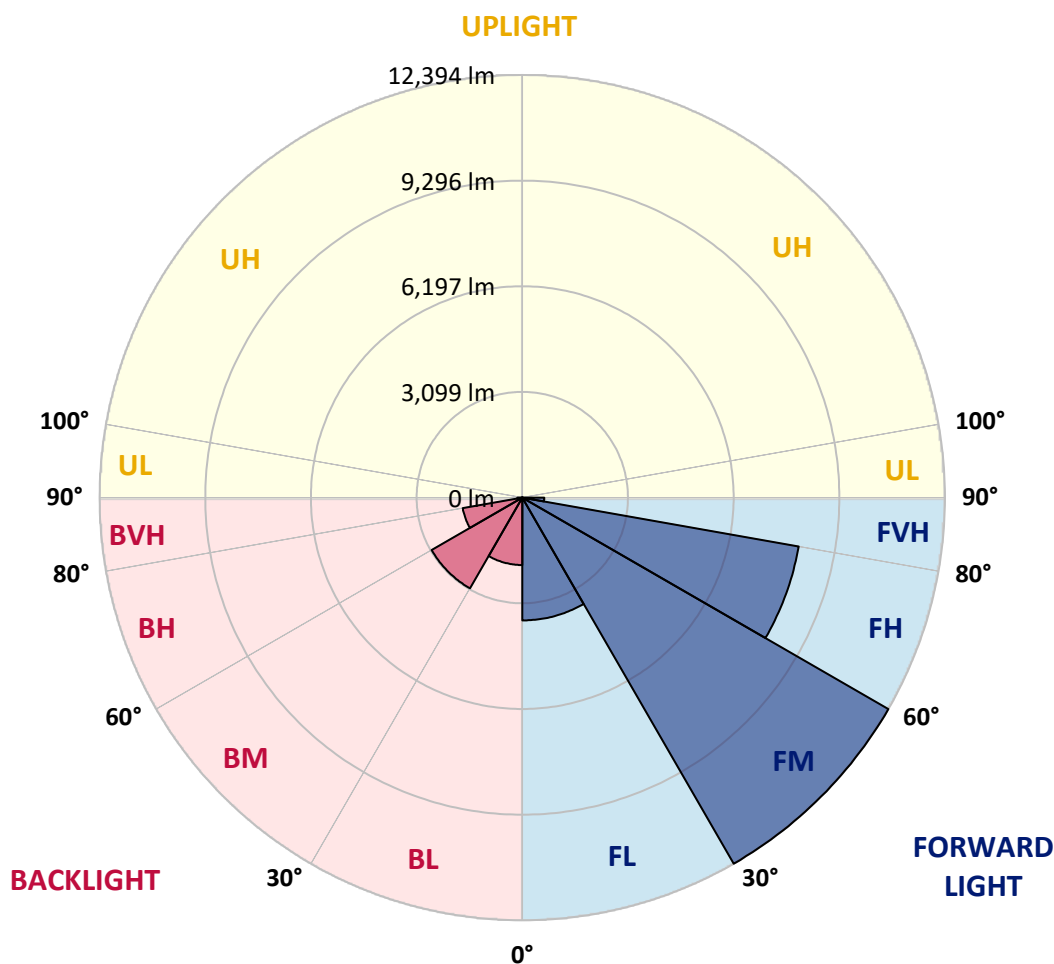
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3600.2	11.3			
FM	(30°-60°)	12394.3	38.9			
FH	(60°-80°)	8231.0	25.9			G4/12000
FVH	(80°-90°)	642.7	2.0			G4/750
BL	(0°-30°)	1976.1	6.2	B3/2500		
BM	(30°-60°)	3070.2	9.6	B3/5000		
BH	(60°-80°)	1772.9	5.6	B3/2500		G3/2500
BVH	(80°-90°)	143.7	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°	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3
2.5°	8874.5	8840.9	8746.4	8498.6	8248.7	7994.6	7799.3	7555.7	7301.6	7165.1	6990.8
5°	8996.3	8958.5	8735.9	8177.3	7671.2	7139.9	6715.7	6344.1	6192.9	5970.3	5791.8
7.5°	8710.7	8693.9	8360.0	7557.8	6864.8	6169.8	5688.9	5390.7	5119.8	5019.0	5040.0
10°	8450.3	8383.1	7965.2	6917.3	6108.9	5544.0	5199.6	4907.7	4716.6	4666.2	4676.7
12.5°	8234.0	8143.7	7650.2	6486.8	5779.2	5327.7	4888.8	4584.3	4410.0	4458.3	4622.1
15°	8189.9	8068.1	7517.9	6339.9	5598.6	5016.9	4536.0	4185.3	4055.1	4160.1	4422.6
17.5°	8475.5	8322.2	7744.7	6388.2	5426.4	4699.8	4109.7	3708.6	3599.4	3767.4	4109.7
20°	9393.2	9166.4	8452.4	6667.4	5409.6	4542.3	3861.9	3458.7	3504.9	3824.1	4181.1
22.5°	11090.0	10749.8	9691.4	7074.8	5497.8	4502.4	3811.5	3601.5	3855.6	4126.5	4361.7
25°	11426.0	11159.3	9914.0	7167.2	5478.9	4475.1	3954.3	4059.3	4342.8	4477.2	4395.3
27.5°	11615.0	11310.5	9899.3	6709.4	4899.3	4059.3	3780.0	3954.3	4025.7	3895.5	3672.9
30°	12056.0	11738.9	10149.2	6228.6	4034.1	3011.4	2639.7	2568.3	2616.6	2641.8	2562.0
32.5°	12662.9	12350.0	10619.6	5913.6	3488.1	2490.6	2125.2	2024.4	2001.3	1974.0	1942.5
35°	13448.3	12967.4	11081.6	5712.0	3263.4	2303.7	1967.7	1890.0	1858.5	1820.7	1787.1
37.5°	14246.3	13742.3	11665.4	5499.9	3114.3	2173.5	1862.7	1827.0	1772.4	1732.5	1684.2
40°	15094.7	14529.8	12196.7	5315.1	2969.4	2089.5	1787.1	1782.9	1711.5	1665.3	1608.6
42.5°	15829.7	15248.0	12671.3	5201.7	2858.1	2001.3	1740.9	1753.5	1680.0	1610.7	1537.2
45°	16413.5	15842.3	13110.2	5201.7	2767.8	1913.1	1732.5	1724.1	1650.6	1564.5	1480.5
47.5°	16925.9	16335.8	13538.6	5334.0	2711.1	1839.6	1686.3	1701.0	1625.4	1516.2	1434.3
50°	17322.8	16802.0	14116.1	5539.8	2654.4	1780.8	1627.5	1707.3	1604.4	1491.0	1396.5
52.5°	17828.9	17362.7	14811.2	5821.2	2606.1	1715.7	1575.0	1707.3	1602.3	1493.1	1390.2
55°	18530.3	18038.9	15649.1	6054.3	2528.4	1654.8	1528.8	1659.0	1596.0	1482.6	1373.4
57.5°	19021.7	18654.2	16241.3	6209.7	2417.1	1577.1	1486.8	1612.8	1568.7	1442.7	1323.0
58°	19044.8	18685.7	16327.4	6245.4	2389.8	1562.4	1476.3	1591.8	1556.1	1425.9	1306.2
60°	18780.2	18471.5	16344.2	6195.0	2234.4	1488.9	1421.7	1505.7	1488.9	1327.2	1215.9
62.5°	17818.4	17488.7	15665.9	5785.5	2028.6	1398.6	1337.7	1390.2	1352.4	1188.6	1085.7
65°	16451.3	15844.4	14271.5	5142.9	1881.6	1302.0	1224.3	1228.5	1188.6	1071.0	980.7
67.5°	14630.6	13952.3	12083.3	4334.4	1770.3	1194.9	1089.9	1079.4	1031.1	955.5	882.0
70°	12389.9	11925.8	9819.5	3525.9	1646.4	1077.3	938.7	932.4	903.0	846.3	781.2
72.5°	10042.1	9452.0	7929.5	2822.4	1495.2	963.9	798.0	810.6	772.8	732.9	674.1
75°	7410.8	7024.4	6129.9	2263.8	1291.5	840.0	665.7	669.9	653.1	611.1	564.9
77.5°	4880.4	4764.9	4384.8	1486.8	993.3	667.8	543.9	548.1	535.5	497.7	449.4
80°	3284.4	3206.7	2971.5	957.6	663.6	483.0	420.0	424.2	422.1	382.2	317.1
82.5°	2024.4	1990.8	1915.2	646.8	459.9	346.5	277.2	289.8	312.9	268.8	216.3
85°	955.5	957.6	1157.1	352.8	270.9	222.6	151.2	161.7	161.7	161.7	121.8
87.5°	123.9	130.2	159.6	149.1	98.7	84.0	54.6	46.2	39.9	52.5	37.8
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°	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3
2.5°	6929.9	6887.9	6797.6	6776.6	6764.0	6799.7	6705.2	6730.4	6688.4	6806.0	6787.1
5°	5802.3	5806.5	5880.0	5928.3	5945.1	5928.3	5865.3	5756.1	5672.1	5638.5	5646.9
7.5°	5000.1	5073.6	5199.6	5340.3	5468.4	5506.2	5470.5	5262.6	5035.8	4893.0	4846.8
10°	4733.4	4832.1	4977.0	5088.3	5201.7	5292.0	5310.9	5149.2	4880.4	4542.3	4410.0
12.5°	4748.1	4882.5	5021.1	5056.8	5046.3	5082.0	5065.2	5037.9	4861.5	4431.0	4210.5
15°	4609.5	4769.1	4865.7	4846.8	4813.2	4781.7	4737.6	4668.3	4605.3	4302.9	4059.3
17.5°	4290.3	4454.1	4533.9	4540.2	4540.2	4531.8	4424.7	4399.5	4391.1	4244.1	4095.0
20°	4349.1	4439.4	4403.7	4344.9	4361.7	4418.4	4355.4	4342.8	4391.1	4456.2	4428.9
22.5°	4382.7	4351.2	4082.4	3822.0	3763.2	3939.6	3975.3	4116.0	4311.3	4546.5	4699.8
25°	4174.8	3920.7	3439.8	3145.8	2979.9	3143.7	3357.9	3618.3	3910.2	4212.6	4391.1
27.5°	3490.2	3297.0	2952.6	2688.0	2543.1	2568.3	2751.0	2988.3	3259.2	3462.9	3593.1
30°	2629.2	2543.1	2364.6	2274.3	2186.1	2165.1	2242.8	2333.1	2452.8	2478.0	2511.6
32.5°	1936.2	1923.6	1934.1	1904.7	1887.9	1885.8	1862.7	1883.7	1896.3	1911.0	1881.6
35°	1751.4	1734.6	1705.2	1696.8	1686.3	1690.5	1680.0	1669.5	1677.9	1690.5	1698.9
37.5°	1656.9	1631.7	1589.7	1575.0	1575.0	1581.3	1564.5	1560.3	1575.0	1614.9	1635.9
40°	1583.4	1554.0	1505.7	1486.8	1499.4	1516.2	1493.1	1484.7	1520.4	1562.4	1596.0
42.5°	1514.1	1491.0	1444.8	1423.8	1434.3	1465.8	1432.2	1425.9	1472.1	1518.3	1558.2
45°	1455.3	1432.2	1390.2	1379.7	1383.9	1413.3	1390.2	1390.2	1434.3	1484.7	1520.4
47.5°	1409.1	1379.7	1352.4	1344.0	1348.2	1365.0	1360.8	1360.8	1402.8	1455.3	1491.0
50°	1362.9	1337.7	1302.0	1306.2	1316.7	1339.8	1337.7	1344.0	1386.0	1451.1	1488.9
52.5°	1341.9	1304.1	1264.2	1268.4	1299.9	1327.2	1318.8	1325.1	1373.4	1495.2	1549.8
55°	1318.8	1268.4	1222.2	1228.5	1264.2	1304.1	1293.6	1302.0	1358.7	1524.6	1600.2
57.5°	1274.7	1215.9	1165.5	1169.7	1222.2	1264.2	1247.4	1257.9	1325.1	1493.1	1572.9
58°	1255.8	1205.4	1157.1	1159.2	1209.6	1255.8	1236.9	1245.3	1314.6	1484.7	1560.3
60°	1176.0	1146.6	1104.6	1106.7	1155.0	1194.9	1184.4	1192.8	1260.0	1423.8	1480.5
62.5°	1066.8	1050.0	1039.5	1039.5	1068.9	1106.7	1117.2	1127.7	1188.6	1287.3	1337.7
65°	949.2	949.2	951.3	951.3	970.2	1018.5	1024.8	1052.1	1108.8	1157.1	1194.9
67.5°	869.4	865.2	869.4	858.9	867.3	896.7	928.2	953.4	1012.2	1045.8	1058.4
70°	766.5	764.4	766.5	751.8	762.3	787.5	808.5	850.5	911.4	936.6	942.9
72.5°	665.7	665.7	669.9	659.4	659.4	686.7	701.4	747.6	804.3	819.0	821.1
75°	560.7	567.0	567.0	552.3	556.5	573.3	592.2	630.0	682.5	693.0	693.0
77.5°	445.2	468.3	468.3	453.6	459.9	462.0	487.2	506.1	546.0	550.2	533.4
80°	323.4	346.5	365.4	352.8	363.3	350.7	365.4	378.0	417.9	399.0	371.7
82.5°	231.0	247.8	262.5	264.6	254.1	231.0	249.9	252.0	270.9	245.7	231.0
85°	128.1	142.8	161.7	153.3	136.5	121.8	128.1	132.3	130.2	123.9	115.5
87.5°	33.6	35.7	39.9	29.4	27.3	23.1	31.5	31.5	35.7	37.8	35.7
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3
2.5°	6801.8	6894.2	7093.7	7244.9	7429.7	7654.4	7919.0	8185.7	8473.4	8563.7	8689.7
5°	5628.0	5859.0	5955.6	6230.7	6503.6	6913.1	7349.9	7856.0	8410.4	8677.1	8933.3
7.5°	4809.0	4932.9	5033.7	5235.3	5562.9	6060.6	6608.6	7240.7	8026.1	8414.6	8790.5
10°	4368.0	4380.6	4504.5	4754.4	5040.0	5478.9	5997.6	6705.2	7580.9	8053.4	8494.4
12.5°	4076.1	4021.5	4155.9	4416.3	4739.7	5145.0	5621.7	6295.8	7259.6	7744.7	8278.1
15°	3819.9	3733.8	3834.6	4101.3	4420.5	4897.2	5409.6	6123.6	7133.6	7698.5	8290.7
17.5°	3826.2	3588.9	3624.6	3849.3	4166.4	4651.5	5273.1	6117.3	7324.7	7975.7	8677.1
20°	4298.7	3918.6	3756.9	3798.9	4105.5	4634.7	5336.1	6411.2	7952.6	8901.8	9651.5
22.5°	4762.8	4533.9	4273.5	4187.4	4355.4	4909.8	5737.2	7106.3	9317.6	10747.7	12102.2
25°	4601.1	4796.4	4731.3	4609.5	4647.3	5107.2	6010.2	7677.5	10378.1	11988.8	13261.4
27.5°	3681.3	4036.2	4107.6	4105.5	4120.2	4498.2	5405.4	7293.2	10510.4	12226.1	13442.0
30°	2587.2	2618.7	2656.5	2730.0	2797.2	3135.3	4229.4	6402.8	10451.6	12333.2	13551.2
32.5°	1866.9	1908.9	1961.4	2062.2	2221.8	2652.3	3700.2	6119.4	10762.4	12776.3	13870.4
35°	1707.3	1755.6	1806.0	1921.5	2072.7	2471.7	3490.2	6001.8	11272.7	13494.5	14443.7
37.5°	1656.9	1711.5	1755.6	1839.6	1961.4	2341.5	3299.1	5922.0	11795.6	14254.7	15212.3
40°	1621.2	1684.2	1719.9	1787.1	1871.1	2221.8	3129.0	5859.0	12301.7	14949.8	15829.7
42.5°	1589.7	1654.8	1701.0	1749.3	1818.6	2114.7	2977.8	5796.0	12740.6	15623.9	16445.0
45°	1551.9	1633.8	1692.6	1730.4	1791.3	2024.4	2862.3	5745.6	13240.4	16222.4	17066.6
47.5°	1520.4	1610.7	1684.2	1728.3	1751.4	1961.4	2769.9	5814.9	13841.0	16848.2	17644.1
50°	1522.5	1608.6	1701.0	1770.3	1709.4	1908.9	2713.2	6090.0	14622.2	17591.6	18099.8
52.5°	1589.7	1694.7	1768.2	1785.0	1650.6	1845.9	2683.8	6570.8	15546.2	18248.9	18559.7
55°	1665.3	1774.5	1854.3	1843.8	1619.1	1766.1	2677.5	7083.2	16558.4	19015.4	19158.2
57.5°	1638.0	1797.6	1919.4	1864.8	1621.2	1688.4	2650.2	7496.9	17404.7	19588.6	19750.3
58°	1629.6	1789.2	1927.8	1860.6	1614.9	1665.3	2643.9	7532.6	17522.3	19628.5	19834.3
60°	1547.7	1715.7	1921.5	1829.1	1579.2	1602.3	2574.6	7648.1	17490.8	19422.7	19884.7
62.5°	1398.6	1537.2	1776.6	1675.8	1470.0	1518.3	2419.2	7505.3	16638.2	18431.6	19147.7
65°	1230.6	1333.5	1493.1	1474.2	1314.6	1432.2	2207.1	6940.4	14930.9	16823.0	17576.9
67.5°	1104.6	1188.6	1289.4	1262.1	1182.3	1316.7	1978.2	5985.0	13015.7	14891.0	15840.2
70°	976.5	1041.6	1092.0	1073.1	1047.9	1203.3	1774.5	4857.3	11180.3	13055.6	13975.4
72.5°	846.3	907.2	949.2	921.9	907.2	1083.6	1608.6	3769.5	8830.4	10770.8	11953.1
75°	707.7	768.6	798.0	766.5	758.1	955.5	1362.9	2816.1	6625.4	8303.3	9323.9
77.5°	548.1	613.2	651.0	640.5	644.7	785.4	1100.4	1927.8	4737.6	5659.5	6734.6
80°	384.3	455.7	480.9	470.4	499.8	598.5	777.0	1224.3	3267.6	3672.9	4431.0
82.5°	237.3	304.5	308.7	319.2	340.2	443.1	585.9	745.5	2051.7	2121.0	2671.2
85°	119.7	144.9	155.4	172.2	191.1	270.9	333.9	462.0	1320.9	999.6	1493.1
87.5°	39.9	42.0	50.4	63.0	77.7	111.3	142.8	189.0	327.6	180.6	462.0
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: P456759

CATALOG NUMBER: GALN-SA8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3	7988.3
2.5°	8943.8	9122.3	9252.5	9372.2	9256.7	9246.2	9132.8	8950.1	8874.5	8874.5
5°	9470.9	9888.8	10226.9	10443.2	10350.8	10128.2	9760.7	9292.4	9040.4	8996.3
7.5°	9615.8	10441.1	11069.0	11291.6	11136.2	10644.8	9941.3	9151.7	8790.5	8710.7
10°	9527.6	10600.7	11522.6	11875.4	11659.1	10915.7	9956.0	8987.9	8542.7	8450.3
12.5°	9435.2	10621.7	11606.6	12116.9	11976.2	11134.1	10063.1	8880.8	8366.3	8234.0
15°	9502.4	10630.1	11503.7	12030.8	12121.1	11396.6	10239.5	8958.5	8330.6	8189.9
17.5°	9926.6	10789.7	11356.7	11783.0	12100.1	11753.6	10741.4	9330.2	8649.8	8475.5
20°	10812.8	11171.9	11440.7	11770.4	12280.7	12482.3	11768.3	10350.8	9546.5	9393.2
22.5°	13379.0	13313.9	12763.7	12757.4	13496.6	14305.1	14256.8	12425.6	11216.0	11090.0
25°	14340.8	14038.4	13242.5	13049.3	13374.8	14622.2	14441.6	12849.8	11732.6	11426.0
27.5°	13964.9	13215.2	12692.3	12648.2	12541.1	13719.2	14153.9	13022.0	11913.2	11615.0
30°	13941.8	12839.3	12091.7	12179.9	12282.8	13408.4	14313.5	13561.7	12375.2	12056.0
32.5°	13998.5	12891.8	12135.8	12152.6	12459.2	13454.6	14489.9	14149.7	12982.1	12662.9
35°	14227.4	13190.0	12417.2	12377.3	12856.1	13757.0	14790.2	15073.7	13811.6	13448.3
37.5°	14597.0	13784.3	12931.7	12921.2	13616.3	14303.0	15164.0	16006.1	14636.9	14246.3
40°	15140.9	14479.4	13847.3	13790.6	14649.5	15191.3	15649.1	16999.4	15596.6	15094.7
42.5°	15798.2	15313.1	15054.8	15279.5	16104.8	16188.8	16405.1	17917.1	16413.5	15829.7
45°	16407.2	16384.1	16743.2	17339.6	17820.5	17316.5	17194.7	18532.4	17047.7	16413.5
47.5°	17131.7	17757.5	18841.1	19714.6	20218.6	18629.0	17868.8	18933.5	17509.7	16925.9
50°	17866.7	19401.7	21132.1	22350.1	22457.2	20054.8	18332.9	19311.4	17929.7	17322.8
52.5°	18639.5	20714.2	23017.9	24433.3	24225.4	21295.9	18782.3	19567.6	18362.3	17828.9
55°	19311.4	21518.5	24072.1	25430.8	25126.3	22051.9	19267.3	19844.8	18979.7	18530.3
57.5°	19687.3	21585.7	23809.6	24996.1	24666.4	21904.9	19489.9	20050.6	19374.4	19021.7
58°	19741.9	21495.4	23576.5	24744.1	24408.1	21781.0	19487.8	20042.2	19399.6	19044.8
60°	19693.6	20909.5	22709.2	23748.7	23395.9	21004.0	19408.0	19884.7	19080.5	18780.2
62.5°	19246.3	19893.1	21211.9	21967.9	21867.1	19790.2	19080.5	19290.4	18108.2	17818.4
65°	18658.4	18507.2	19294.6	19830.1	19905.7	18881.0	18755.0	18005.3	16860.8	16451.3
67.5°	17944.4	16936.4	16934.3	17238.8	17364.8	17482.4	18076.7	16608.8	15063.2	14630.6
70°	16732.7	14515.1	13847.3	14206.4	14101.4	15094.7	16865.0	14647.4	12896.0	12389.9
72.5°	14510.9	11518.4	10449.5	10911.5	10646.9	11837.6	14756.6	12053.9	10663.7	10042.1
75°	11762.0	8616.2	7513.7	7937.9	7774.1	8979.5	12278.6	8754.8	7648.1	7410.8
77.5°	9132.8	6243.3	5602.8	5544.0	5665.8	6682.1	9006.8	5911.5	5042.1	4880.4
80°	5867.4	4468.8	4506.6	4431.0	4494.0	4212.6	5468.4	3771.6	3414.6	3284.4
82.5°	3861.9	3114.3	3712.8	3427.2	3255.0	2832.9	3586.8	2469.6	2095.8	2024.4
85°	2631.3	2293.2	2087.4	1596.0	1879.5	2181.9	2690.1	1329.3	1054.2	955.5
87.5°	1188.6	798.0	585.9	361.2	571.2	659.4	1306.2	155.4	119.7	123.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)