

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: P456237

Luminaire Tested: **GALN-SA7C-727-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456237
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-SA7C-727-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1050mA 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: 35300 lumens
Efficiency: N/A
Efficacy: 93.6 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

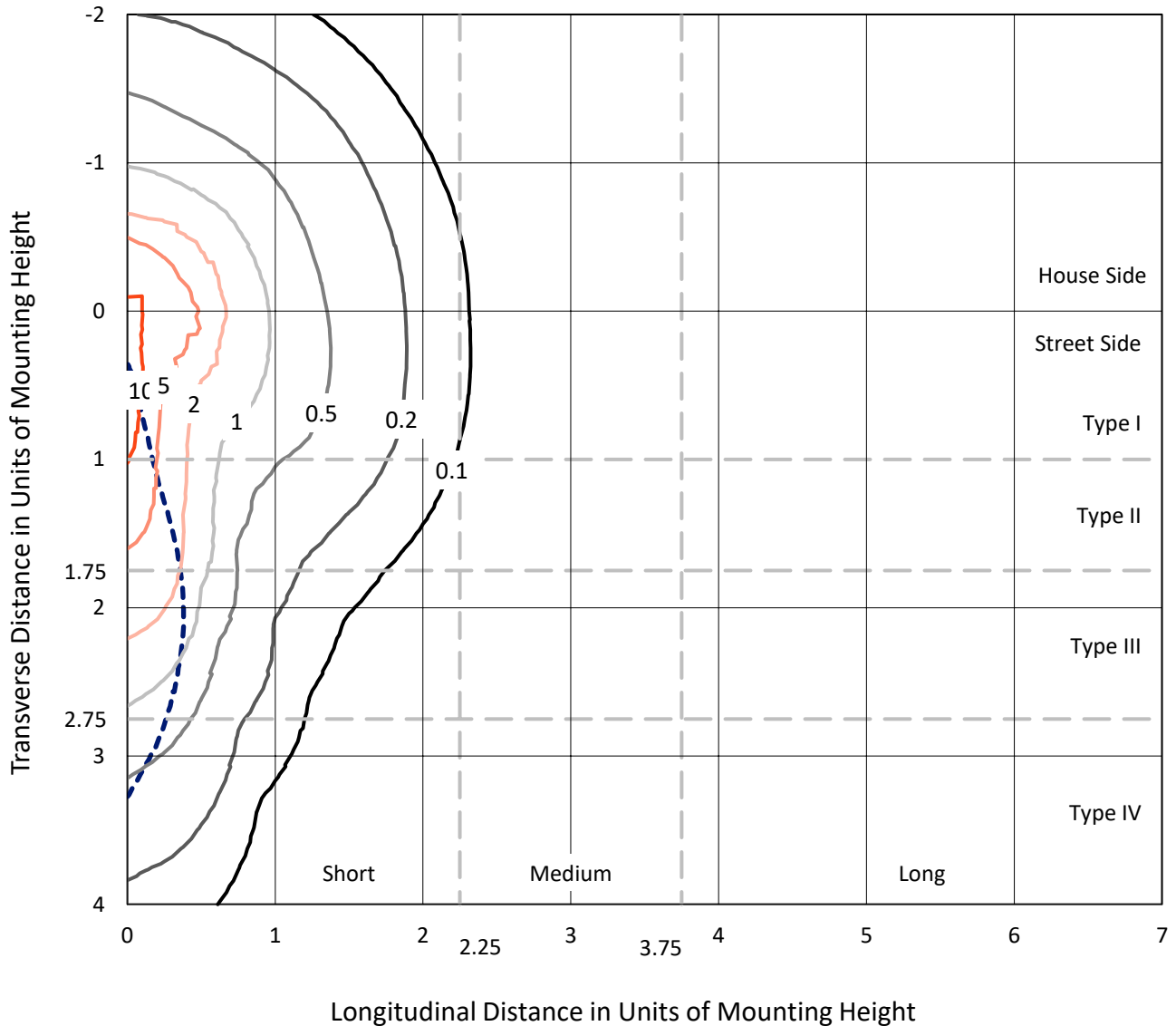
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

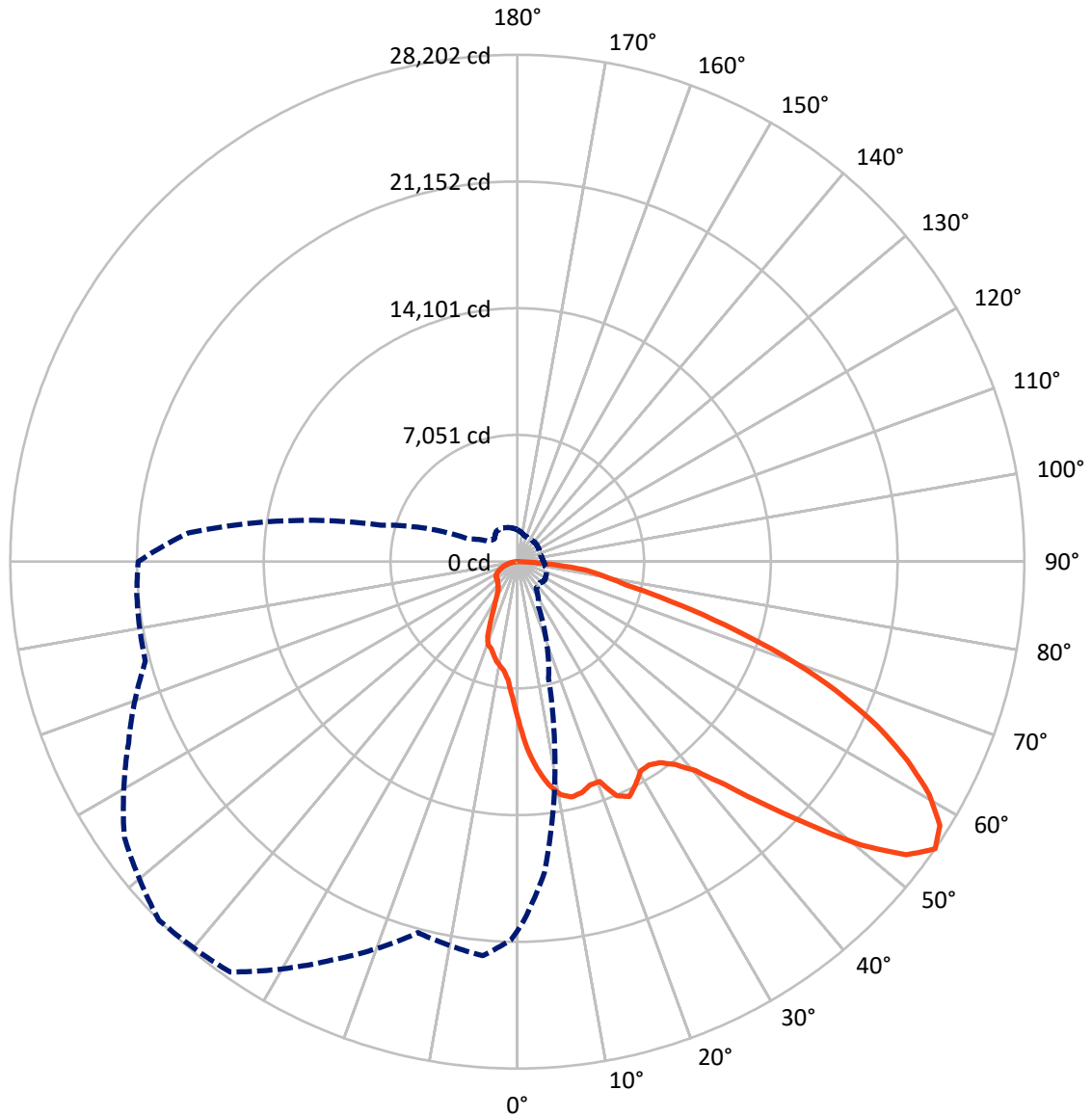
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 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	7721.7	0.0	7721.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	27578.3	0.0	27578.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	35300.0	0.0	35300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.8	2.1
10°-20°	1991.9	5.6
20°-30°	3441.2	9.7
30°-40°	3999.2	11.3
40°-50°	5579.7	15.8
50°-60°	7571.0	21.4
60°-70°	7202.9	20.4
70°-80°	3891.2	11.0
80°-90°	872.1	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°	35300.0	100.0
0°-180°	35300.0	100.0

Coefficient of Utilization



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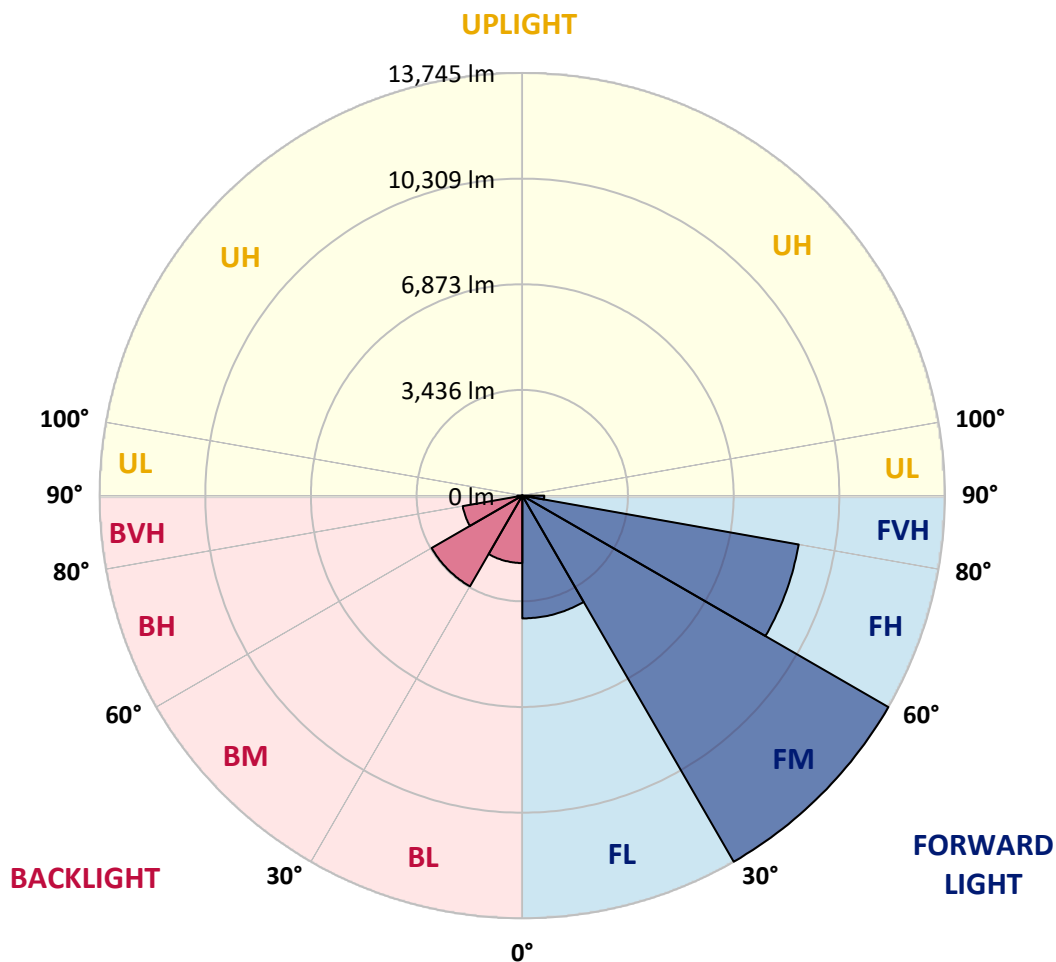
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3992.5	11.3			
FM	(30°-60°)	13745.1	38.9			
FH	(60°-80°)	9128.0	25.9			G4/12000
FVH	(80°-90°)	712.7	2.0			G4/750
BL	(0°-30°)	2191.4	6.2	B3/2500		
BM	(30°-60°)	3404.8	9.6	B3/5000		
BH	(60°-80°)	1966.1	5.6	B3/2500		G3/2500
BVH	(80°-90°)	159.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9
2.5°	9841.7	9804.4	9699.6	9424.8	9147.7	8865.9	8649.3	8379.2	8097.4	7946.0	7752.7
5°	9976.8	9934.8	9688.0	9068.5	8507.3	7918.1	7447.6	7035.4	6867.8	6620.9	6423.0
7.5°	9660.0	9641.4	9271.1	8381.5	7613.0	6842.1	6308.8	5978.1	5677.7	5565.9	5589.2
10°	9371.3	9296.7	8833.3	7671.2	6774.6	6148.1	5766.2	5442.5	5230.6	5174.7	5186.3
12.5°	9131.4	9031.3	8484.0	7193.8	6409.0	5908.3	5421.5	5083.9	4890.6	4944.1	5125.8
15°	9082.5	8947.4	8337.3	7030.8	6208.7	5563.6	5030.3	4641.4	4497.0	4613.4	4904.5
17.5°	9399.2	9229.2	8588.8	7084.3	6017.7	5212.0	4557.5	4112.7	3991.6	4177.9	4557.5
20°	10416.9	10165.4	9373.6	7394.1	5999.1	5037.3	4282.7	3835.6	3886.8	4240.8	4636.7
22.5°	12298.6	11921.4	10747.6	7845.9	6096.9	4993.0	4226.9	3994.0	4275.8	4576.2	4837.0
25°	12671.2	12375.5	10994.5	7948.3	6076.0	4962.8	4385.2	4501.7	4816.0	4965.1	4874.3
27.5°	12880.8	12543.2	10978.2	7440.7	5433.2	4501.7	4191.9	4385.2	4464.4	4320.0	4073.1
30°	13369.9	13018.2	11255.3	6907.4	4473.7	3339.6	2927.4	2848.2	2901.7	2929.7	2841.2
32.5°	14042.9	13695.9	11777.0	6558.0	3868.2	2762.0	2356.8	2245.0	2219.4	2189.1	2154.2
35°	14913.9	14380.6	12289.3	6334.5	3619.0	2554.7	2182.1	2096.0	2061.0	2019.1	1981.8
37.5°	15798.9	15240.0	12936.7	6099.2	3453.7	2410.4	2065.7	2026.1	1965.5	1921.3	1867.7
40°	16739.7	16113.3	13525.9	5894.3	3293.0	2317.2	1981.8	1977.2	1898.0	1846.8	1783.9
42.5°	17554.8	16909.7	14052.2	5768.5	3169.6	2219.4	1930.6	1944.6	1863.1	1786.2	1704.7
45°	18202.2	17568.8	14539.0	5768.5	3069.4	2121.6	1921.3	1912.0	1830.5	1735.0	1641.8
47.5°	18770.5	18116.1	15014.1	5915.3	3006.5	2040.1	1870.1	1886.4	1802.5	1681.4	1590.6
50°	19210.6	18633.1	15654.5	6143.5	2943.7	1974.9	1804.9	1893.3	1779.2	1653.5	1548.7
52.5°	19771.9	19254.9	16425.3	6455.6	2890.1	1902.7	1746.6	1893.3	1776.9	1655.8	1541.7
55°	20549.7	20004.8	17354.5	6714.1	2803.9	1835.1	1695.4	1839.8	1769.9	1644.2	1523.1
57.5°	21094.7	20687.1	18011.3	6886.4	2680.5	1749.0	1648.8	1788.6	1739.6	1599.9	1467.2
58°	21120.3	20722.1	18106.8	6926.0	2650.2	1732.7	1637.2	1765.3	1725.7	1581.3	1448.5
60°	20826.8	20484.5	18125.4	6870.1	2477.9	1651.2	1576.6	1669.8	1651.2	1471.8	1348.4
62.5°	19760.2	19394.6	17373.2	6416.0	2249.7	1551.0	1483.5	1541.7	1499.8	1318.1	1204.0
65°	18244.2	17571.1	15826.8	5703.3	2086.6	1443.9	1357.7	1362.4	1318.1	1187.7	1087.6
67.5°	16225.1	15472.8	13400.2	4806.7	1963.2	1325.1	1208.7	1197.0	1143.5	1059.6	978.1
70°	13740.2	13225.5	10889.7	3910.1	1825.8	1194.7	1041.0	1034.0	1001.4	938.5	866.3
72.5°	11136.5	10482.1	8793.7	3130.0	1658.1	1068.9	885.0	898.9	857.0	812.8	747.6
75°	8218.5	7790.0	6797.9	2510.5	1432.2	931.5	738.2	742.9	724.3	677.7	626.5
77.5°	5412.2	5284.1	4862.6	1648.8	1101.5	740.6	603.2	607.8	593.9	551.9	498.4
80°	3642.3	3556.1	3295.3	1062.0	735.9	535.6	465.8	470.4	468.1	423.8	351.7
82.5°	2245.0	2207.7	2123.9	717.3	510.0	384.3	307.4	321.4	347.0	298.1	239.9
85°	1059.6	1062.0	1283.2	391.2	300.4	246.9	167.7	179.3	179.3	179.3	135.1
87.5°	137.4	144.4	177.0	165.3	109.5	93.2	60.5	51.2	44.2	58.2	41.9
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°	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9
2.5°	7685.2	7638.6	7538.5	7515.2	7501.2	7540.8	7436.0	7463.9	7417.4	7547.8	7526.8
5°	6434.6	6439.3	6520.8	6574.3	6593.0	6574.3	6504.5	6383.4	6290.2	6252.9	6262.3
7.5°	5545.0	5626.5	5766.2	5922.2	6064.3	6106.2	6066.6	5836.1	5584.6	5426.2	5375.0
10°	5249.2	5358.7	5519.4	5642.8	5768.5	5868.7	5889.6	5710.3	5412.2	5037.3	4890.6
12.5°	5265.5	5414.6	5568.3	5607.9	5596.2	5635.8	5617.2	5586.9	5391.3	4913.9	4669.3
15°	5111.8	5288.8	5395.9	5375.0	5337.7	5302.8	5253.9	5177.0	5107.2	4771.8	4501.7
17.5°	4757.8	4939.5	5028.0	5035.0	5035.0	5025.6	4906.9	4878.9	4869.6	4706.6	4541.2
20°	4823.0	4923.2	4883.6	4818.4	4837.0	4899.9	4830.0	4816.0	4869.6	4941.8	4911.5
22.5°	4860.3	4825.4	4527.3	4238.5	4173.3	4368.9	4408.5	4564.5	4781.1	5041.9	5212.0
25°	4629.7	4348.0	3814.6	3488.6	3304.6	3486.3	3723.8	4012.6	4336.3	4671.7	4869.6
27.5°	3870.5	3656.3	3274.4	2980.9	2820.2	2848.2	3050.8	3313.9	3614.4	3840.3	3984.7
30°	2915.7	2820.2	2622.3	2522.1	2424.3	2401.0	2487.2	2587.3	2720.1	2748.0	2785.3
32.5°	2147.2	2133.2	2144.9	2112.3	2093.6	2091.3	2065.7	2089.0	2102.9	2119.2	2086.6
35°	1942.3	1923.6	1891.0	1881.7	1870.1	1874.7	1863.1	1851.4	1860.7	1874.7	1884.0
37.5°	1837.5	1809.5	1762.9	1746.6	1746.6	1753.6	1735.0	1730.3	1746.6	1790.9	1814.2
40°	1755.9	1723.3	1669.8	1648.8	1662.8	1681.4	1655.8	1646.5	1686.1	1732.7	1769.9
42.5°	1679.1	1653.5	1602.2	1579.0	1590.6	1625.5	1588.3	1581.3	1632.5	1683.8	1728.0
45°	1613.9	1588.3	1541.7	1530.1	1534.7	1567.3	1541.7	1541.7	1590.6	1646.5	1686.1
47.5°	1562.7	1530.1	1499.8	1490.5	1495.1	1513.7	1509.1	1509.1	1555.7	1613.9	1653.5
50°	1511.4	1483.5	1443.9	1448.5	1460.2	1485.8	1483.5	1490.5	1537.0	1609.2	1651.2
52.5°	1488.1	1446.2	1402.0	1406.6	1441.6	1471.8	1462.5	1469.5	1523.1	1658.1	1718.7
55°	1462.5	1406.6	1355.4	1362.4	1402.0	1446.2	1434.6	1443.9	1506.8	1690.7	1774.6
57.5°	1413.6	1348.4	1292.5	1297.2	1355.4	1402.0	1383.3	1395.0	1469.5	1655.8	1744.3
58°	1392.6	1336.8	1283.2	1285.5	1341.4	1392.6	1371.7	1381.0	1457.9	1646.5	1730.3
60°	1304.2	1271.5	1225.0	1227.3	1280.9	1325.1	1313.5	1322.8	1397.3	1579.0	1641.8
62.5°	1183.1	1164.4	1152.8	1152.8	1185.4	1227.3	1238.9	1250.6	1318.1	1427.6	1483.5
65°	1052.6	1052.6	1055.0	1055.0	1075.9	1129.5	1136.5	1166.8	1229.6	1283.2	1325.1
67.5°	964.1	959.5	964.1	952.5	961.8	994.4	1029.3	1057.3	1122.5	1159.8	1173.7
70°	850.0	847.7	850.0	833.7	845.4	873.3	896.6	943.2	1010.7	1038.7	1045.7
72.5°	738.2	738.2	742.9	731.3	731.3	761.5	777.8	829.1	891.9	908.2	910.6
75°	621.8	628.8	628.8	612.5	617.1	635.8	656.7	698.7	756.9	768.5	768.5
77.5°	493.7	519.3	519.3	503.0	510.0	512.3	540.3	561.3	605.5	610.2	591.5
80°	358.6	384.3	405.2	391.2	402.9	388.9	405.2	419.2	463.4	442.5	412.2
82.5°	256.2	274.8	291.1	293.4	281.8	256.2	277.1	279.5	300.4	272.5	256.2
85°	142.1	158.4	179.3	170.0	151.4	135.1	142.1	146.7	144.4	137.4	128.1
87.5°	37.3	39.6	44.2	32.6	30.3	25.6	34.9	34.9	39.6	41.9	39.6
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°	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9
2.5°	7543.1	7645.6	7866.8	8034.5	8239.4	8488.6	8782.1	9077.8	9396.9	9497.0	9636.8
5°	6241.3	6497.5	6604.6	6909.7	7212.4	7666.6	8151.0	8712.2	9327.0	9622.8	9906.9
7.5°	5333.1	5470.5	5582.2	5805.8	6169.1	6721.0	7328.9	8029.9	8900.8	9331.7	9748.5
10°	4844.0	4858.0	4995.4	5272.5	5589.2	6076.0	6651.2	7436.0	8407.1	8931.1	9420.2
12.5°	4520.3	4459.7	4608.8	4897.6	5256.2	5705.7	6234.3	6981.9	8050.8	8588.8	9180.3
15°	4236.2	4140.7	4252.5	4548.2	4902.2	5430.9	5999.1	6790.9	7911.1	8537.5	9194.3
17.5°	4243.2	3980.0	4019.6	4268.8	4620.4	5158.4	5847.7	6783.9	8123.0	8844.9	9622.8
20°	4767.1	4345.6	4166.3	4212.9	4552.9	5139.8	5917.6	7110.0	8819.3	9872.0	10703.4
22.5°	5281.8	5028.0	4739.2	4643.7	4830.0	5444.8	6362.4	7880.8	10333.1	11919.0	13421.1
25°	5102.5	5319.1	5246.9	5111.8	5153.7	5663.7	6665.2	8514.3	11509.1	13295.4	14706.6
27.5°	4082.5	4476.0	4555.2	4552.9	4569.2	4988.4	5994.4	8088.1	11655.9	13558.5	14906.9
30°	2869.1	2904.1	2946.0	3027.5	3102.0	3477.0	4690.3	7100.6	11590.7	13677.3	15028.0
32.5°	2070.3	2116.9	2175.1	2286.9	2463.9	2941.3	4103.4	6786.3	11935.3	14168.7	15382.0
35°	1893.3	1946.9	2002.8	2130.9	2298.6	2741.0	3870.5	6655.8	12501.2	14965.1	16017.8
37.5°	1837.5	1898.0	1946.9	2040.1	2175.1	2596.7	3658.6	6567.3	13081.1	15808.2	16870.1
40°	1797.9	1867.7	1907.3	1981.8	2075.0	2463.9	3470.0	6497.5	13642.4	16579.0	17554.8
42.5°	1762.9	1835.1	1886.4	1939.9	2016.8	2345.1	3302.3	6427.6	14129.1	17326.6	18237.2
45°	1721.0	1811.8	1877.0	1919.0	1986.5	2245.0	3174.2	6371.7	14683.4	17990.3	18926.5
47.5°	1686.1	1786.2	1867.7	1916.6	1942.3	2175.1	3071.7	6448.6	15349.4	18684.3	19566.9
50°	1688.4	1783.9	1886.4	1963.2	1895.7	2116.9	3008.9	6753.6	16215.7	19508.7	20072.3
52.5°	1762.9	1879.4	1960.9	1979.5	1830.5	2047.1	2976.3	7287.0	17240.4	20237.7	20582.3
55°	1846.8	1967.9	2056.4	2044.7	1795.5	1958.6	2969.3	7855.2	18362.9	21087.7	21246.0
57.5°	1816.5	1993.5	2128.6	2068.0	1797.9	1872.4	2939.0	8314.0	19301.5	21723.5	21902.8
58°	1807.2	1984.2	2137.9	2063.4	1790.9	1846.8	2932.0	8353.6	19431.9	21767.7	21995.9
60°	1716.4	1902.7	2130.9	2028.4	1751.3	1776.9	2855.2	8481.6	19396.9	21539.5	22051.8
62.5°	1551.0	1704.7	1970.2	1858.4	1630.2	1683.8	2682.8	8323.3	18451.4	20440.3	21234.4
65°	1364.7	1478.8	1655.8	1634.8	1457.9	1588.3	2447.6	7696.8	16558.1	18656.4	19492.4
67.5°	1225.0	1318.1	1429.9	1399.6	1311.1	1460.2	2193.8	6637.2	14434.2	16513.8	17566.5
70°	1082.9	1155.1	1211.0	1190.0	1162.1	1334.4	1967.9	5386.6	12398.8	14478.4	15498.5
72.5°	938.5	1006.1	1052.6	1022.4	1006.1	1201.7	1783.9	4180.3	9792.8	11944.6	13255.8
75°	784.8	852.4	885.0	850.0	840.7	1059.6	1511.4	3123.0	7347.5	9208.2	10340.1
77.5°	607.8	680.0	721.9	710.3	715.0	871.0	1220.3	2137.9	5253.9	6276.2	7468.6
80°	426.2	505.4	533.3	521.7	554.3	663.7	861.7	1357.7	3623.7	4073.1	4913.9
82.5°	263.2	337.7	342.3	354.0	377.3	491.4	649.7	826.7	2275.3	2352.1	2962.3
85°	132.7	160.7	172.3	191.0	211.9	300.4	370.3	512.3	1464.8	1108.5	1655.8
87.5°	44.2	46.6	55.9	69.9	86.2	123.4	158.4	209.6	363.3	200.3	512.3
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: P456237

CATALOG NUMBER: GALN-SA7C-727-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9	8858.9
2.5°	9918.5	10116.5	10260.9	10393.6	10265.5	10253.9	10128.1	9925.5	9841.7	9841.7
5°	10503.1	10966.5	11341.5	11581.3	11478.9	11232.0	10824.5	10305.1	10025.7	9976.8
7.5°	10663.8	11579.0	12275.3	12522.2	12349.9	11804.9	11024.7	10149.1	9748.5	9660.0
10°	10566.0	11756.0	12778.4	13169.6	12929.7	12105.3	11041.0	9967.5	9473.7	9371.3
12.5°	10463.5	11779.3	12871.5	13437.4	13281.4	12347.5	11159.8	9848.7	9278.1	9131.4
15°	10538.0	11788.6	12757.4	13341.9	13442.1	12638.6	11355.4	9934.8	9238.5	9082.5
17.5°	11008.4	11965.6	12594.4	13067.1	13418.8	13034.5	11912.0	10347.1	9592.5	9399.2
20°	11991.2	12389.4	12687.5	13053.2	13619.1	13842.6	13050.8	11478.9	10586.9	10416.9
22.5°	14837.1	14764.9	14154.7	14147.7	14967.5	15864.1	15810.5	13779.8	12438.4	12298.6
25°	15903.7	15568.3	14685.7	14471.4	14832.4	16215.7	16015.5	14250.2	13011.2	12671.2
27.5°	15486.8	14655.4	14075.5	14026.6	13907.9	15214.3	15696.4	14441.2	13211.5	12880.8
30°	15461.2	14238.5	13409.5	13507.3	13621.4	14869.7	15873.4	15039.7	13723.9	13369.9
32.5°	15524.1	14296.8	13458.4	13477.0	13817.0	14920.9	16069.0	15691.7	14396.9	14042.9
35°	15777.9	14627.5	13770.5	13726.2	14257.2	15256.3	16402.0	16716.4	15316.8	14913.9
37.5°	16187.8	15286.5	14341.0	14329.4	15100.2	15861.8	16816.6	17750.4	16232.0	15798.9
40°	16791.0	16057.4	15356.4	15293.5	16246.0	16846.9	17354.5	18852.0	17296.3	16739.7
42.5°	17519.9	16981.9	16695.5	16944.7	17859.9	17953.1	18192.9	19869.7	18202.2	17554.8
45°	18195.3	18169.6	18567.9	19229.3	19762.6	19203.6	19068.6	20552.0	18905.6	18202.2
47.5°	18998.7	19692.7	20894.4	21863.2	22422.1	20659.2	19816.1	20996.9	19417.9	18770.5
50°	19813.8	21516.2	23435.2	24785.9	24904.7	22240.5	20330.8	21416.0	19883.7	19210.6
52.5°	20670.8	22971.7	25526.5	27096.1	26865.5	23616.8	20829.2	21700.2	20363.4	19771.9
55°	21416.0	23863.7	26695.5	28202.3	27864.6	24455.2	21367.1	22007.6	21048.1	20549.7
57.5°	21832.9	23938.2	26404.4	27720.2	27354.6	24292.2	21614.0	22235.8	21485.9	21094.7
58°	21893.5	23838.0	26145.9	27440.8	27068.1	24154.8	21611.7	22226.5	21513.9	21120.3
60°	21839.9	23188.3	25184.1	26336.9	25945.6	23293.1	21523.2	22051.8	21159.9	20826.8
62.5°	21343.9	22061.1	23523.6	24362.0	24250.2	21947.0	21159.9	21392.8	20081.6	19760.2
65°	20691.8	20524.1	21397.4	21991.3	22075.1	20938.6	20798.9	19967.5	18698.3	18244.2
67.5°	19900.0	18782.1	18779.8	19117.5	19257.2	19387.6	20046.7	18418.8	16704.8	16225.1
70°	18556.2	16097.0	15356.4	15754.6	15638.2	16739.7	18702.9	16243.7	14301.4	13740.2
72.5°	16092.3	12773.7	11588.3	12100.7	11807.2	13127.7	16364.8	13367.6	11825.9	11136.5
75°	13043.9	9555.2	8332.6	8803.0	8621.4	9958.1	13616.7	9708.9	8481.6	8218.5
77.5°	10128.1	6923.7	6213.4	6148.1	6283.2	7410.4	9988.4	6555.7	5591.6	5412.2
80°	6506.8	4955.8	4997.7	4913.9	4983.7	4671.7	6064.3	4182.6	3786.7	3642.3
82.5°	4282.7	3453.7	4117.4	3800.7	3609.7	3141.6	3977.7	2738.7	2324.2	2245.0
85°	2918.0	2543.1	2314.9	1769.9	2084.3	2419.7	2983.2	1474.2	1169.1	1059.6
87.5°	1318.1	885.0	649.7	400.6	633.4	731.3	1448.5	172.3	132.7	137.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)