

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: P650855

Luminaire Tested: **GALN-SA4C-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4C-840-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17419.6 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

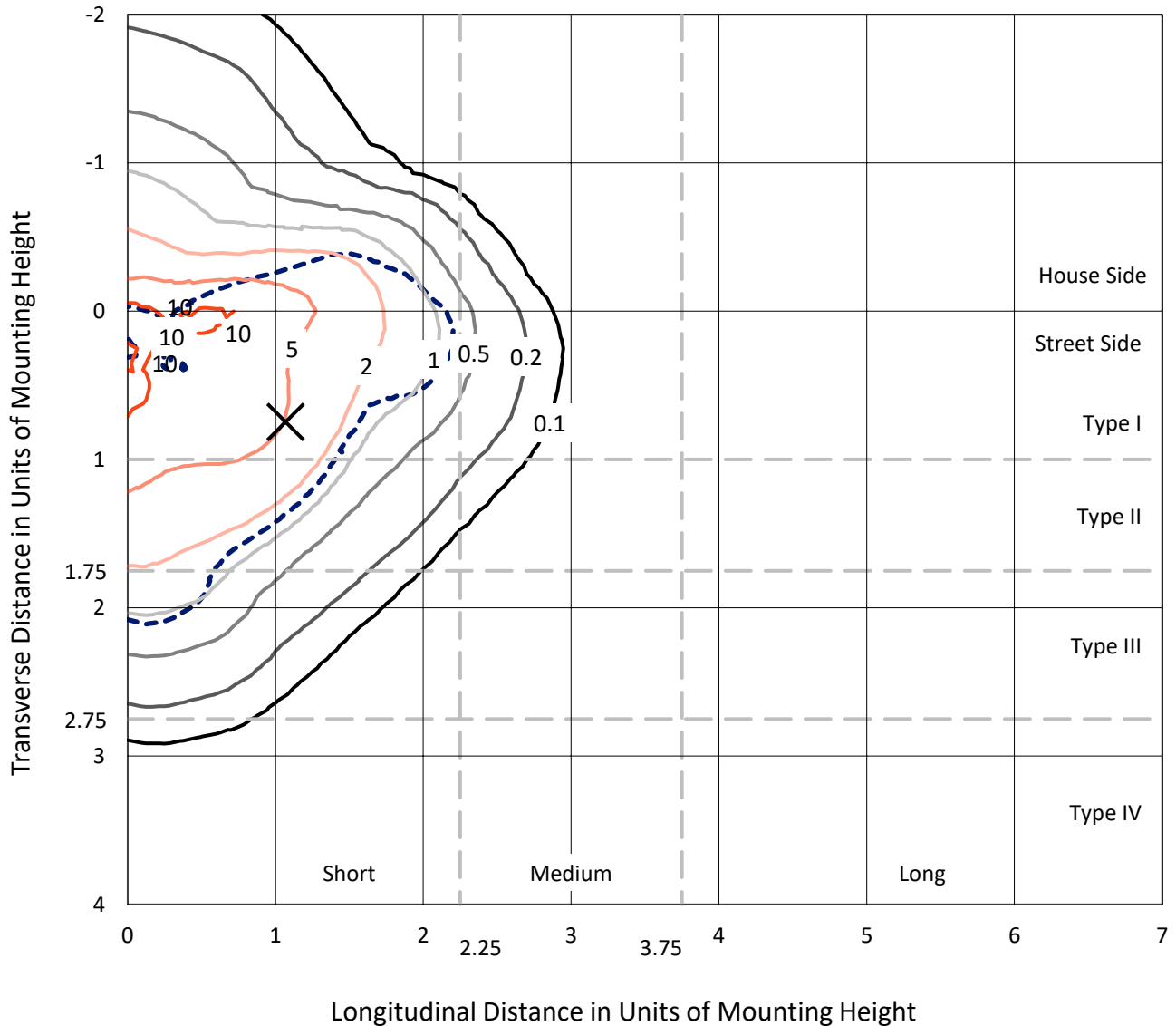
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

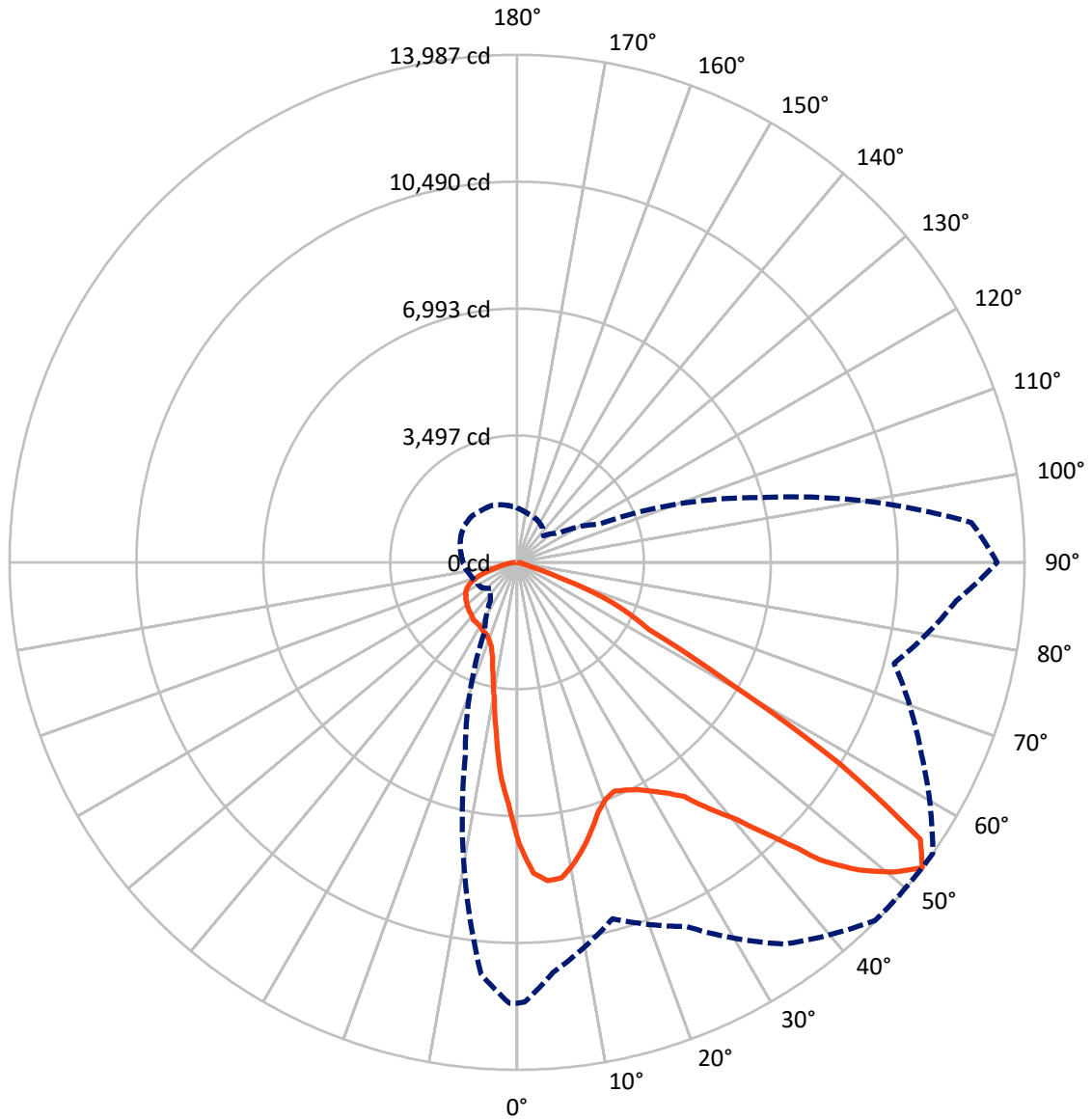
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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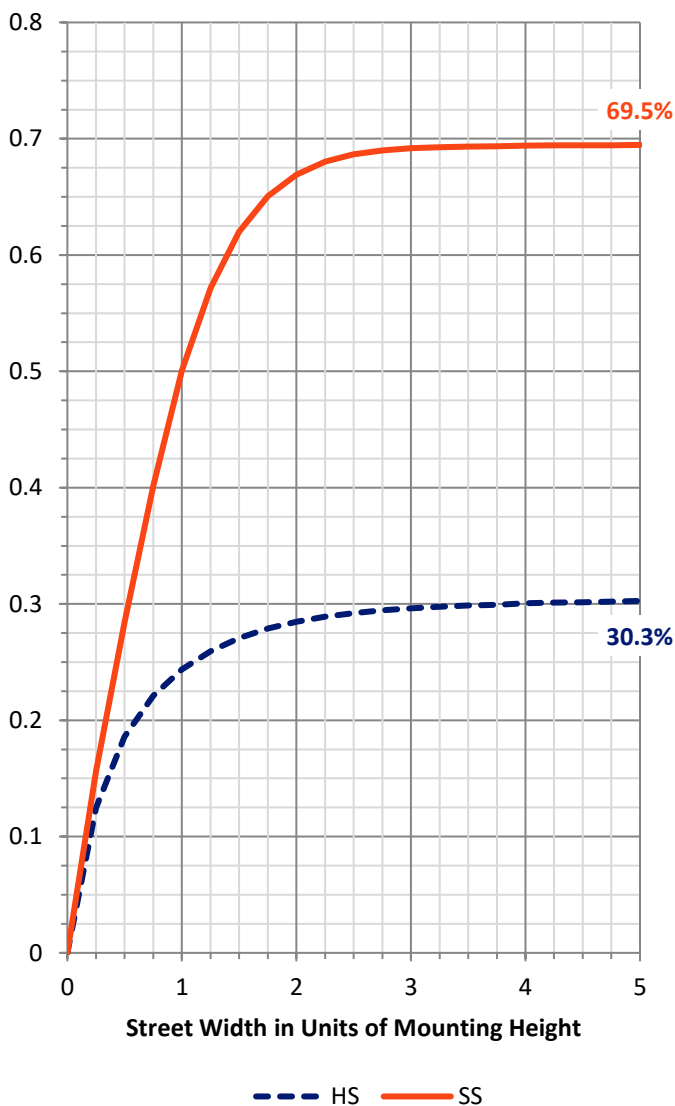
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5313.9	0.0	5313.9
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	12105.7	0.0	12105.7
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	17419.6	0.0	17419.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	593.7	3.4
10°-20°	1280.0	7.3
20°-30°	1940.9	11.1
30°-40°	2804.3	16.1
40°-50°	3747.3	21.5
50°-60°	4182.8	24.0
60°-70°	2294.4	13.2
70°-80°	496.1	2.8
80°-90°	80.2	0.5
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°	17419.6	100.0
0°-180°	17419.6	100.0

**Coefficient of Utilization**

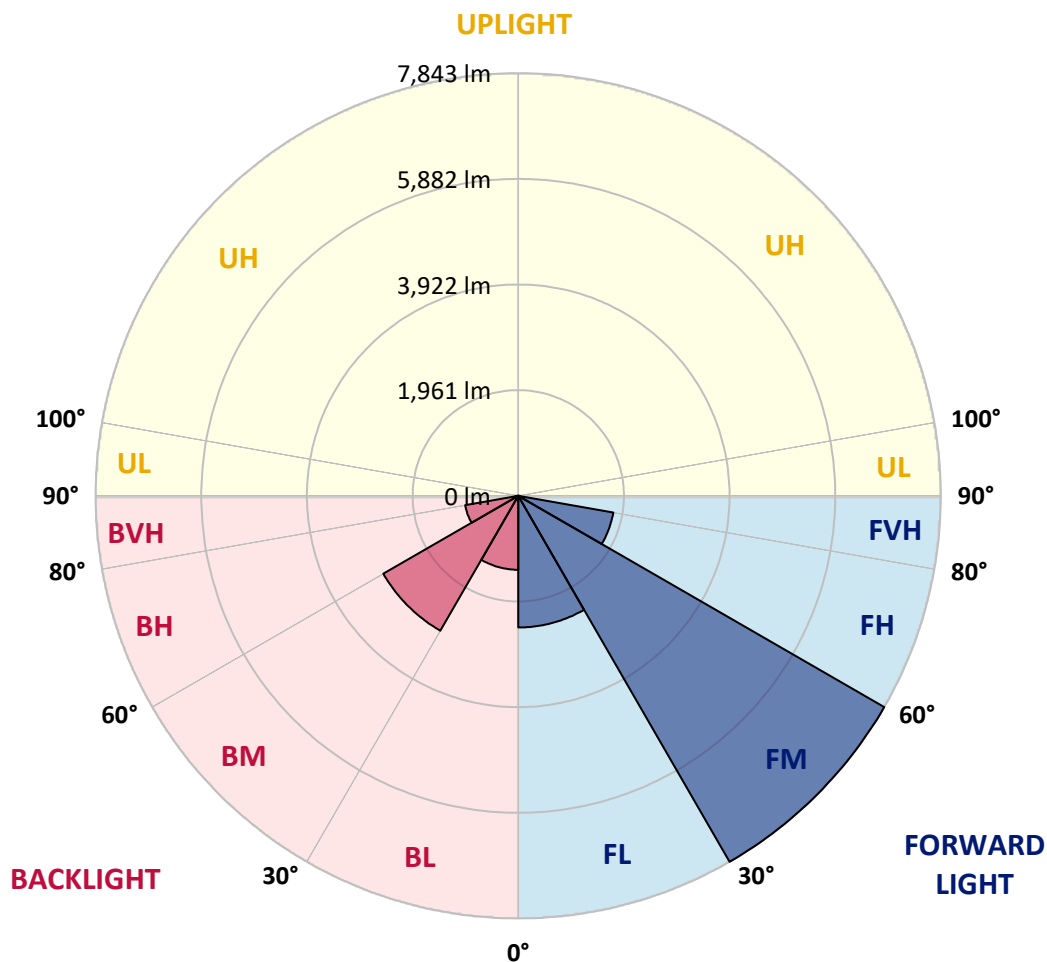


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2442.6	14.0			
FM (30°-60°)	7843.1	45.0			
FH (60°-80°)	1790.3	10.3			G1/1800
FVH (80°-90°)	29.7	0.2			G1/100
BL (0°-30°)	1372.0	7.9	B3/2500		
BM (30°-60°)	2891.2	16.6	B3/5000		
BH (60°-80°)	1000.2	5.7	B3/2500		G3/2500
BVH (80°-90°)	50.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5
2.5°	8154.6	8108.8	8149.5	8342.8	8454.7	8531.0	8579.4	8571.7	8388.6	8210.5	8210.5
5°	7915.5	7857.0	7940.9	8378.4	8818.5	8856.6	8920.2	8815.9	8546.2	8220.7	7813.7
7.5°	7223.7	7266.9	7406.8	7981.6	8553.9	8841.3	8917.6	8785.3	8347.9	7740.0	7142.3
10°	6625.9	6727.7	7050.7	7671.3	8197.8	8571.7	8655.7	8470.0	8124.1	7378.8	6844.6
12.5°	6419.9	6356.3	6715.0	7335.5	7839.2	8040.1	8078.3	8091.0	7857.0	7195.7	6544.5
15°	6394.5	6435.2	6715.0	7185.5	7495.8	7506.0	7569.6	7668.7	7699.3	7320.3	6684.4
17.5°	6760.7	6712.4	6999.8	7373.7	7226.2	7078.7	7093.9	7236.4	7488.2	7427.1	7124.4
20°	7302.5	7411.9	7638.2	7600.1	7203.3	6829.4	6831.9	6966.8	7462.7	7869.7	7737.5
22.5°	8202.9	8309.8	8477.6	8017.3	7203.3	6755.7	6669.1	6852.3	7625.5	8396.2	8429.3
25°	9024.4	9220.3	9266.1	8724.4	7564.5	6824.3	6768.4	6948.9	7788.3	8910.0	9222.8
27.5°	9772.3	9843.5	10044.4	9179.6	7765.5	6870.1	6865.0	7096.4	7994.3	9166.9	9932.5
30°	10362.4	10354.7	10469.2	9467.1	8085.9	7127.0	6880.3	7317.8	8263.9	9591.7	10588.8
32.5°	10764.2	10850.8	11092.4	9866.4	8220.7	7371.2	7177.9	7577.2	8592.1	9792.6	11051.7
35°	11471.3	11621.4	11316.2	10087.6	8648.0	7612.8	7386.4	7930.7	8754.9	10011.3	11618.8
37.5°	12137.7	12023.3	11712.9	10207.2	8925.3	8060.5	7849.4	8615.0	9261.0	10487.0	11995.4
40°	12565.0	12562.5	12010.6	10303.8	9121.1	8744.7	8731.9	9309.4	9881.7	10787.2	12417.5
42.5°	12750.7	12928.8	12132.7	10293.7	9533.2	9573.9	9830.8	10347.1	10321.7	10848.1	12407.4
44°	13005.1	13111.9	12343.8	10316.5	9807.9	10133.5	10738.8	11066.9	10705.8	10815.1	12394.7
45°	12995.0	13002.5	12043.6	10347.1	10041.9	10601.5	11143.2	11697.7	11044.0	10743.9	12562.5
47.5°	12697.3	12610.9	11789.3	10120.8	10771.9	11837.6	12338.7	12674.5	11461.1	10591.3	12354.0
50°	12109.8	12010.6	11171.2	10024.0	10924.5	12605.7	13297.6	13419.7	11840.2	10441.2	12147.9
52.5°	12150.4	12122.5	11346.7	10169.0	11077.1	12847.4	13956.4	13986.9	12270.0	10756.6	12150.4
55°	12877.9	12781.3	11850.4	10349.7	10965.2	12565.0	13536.7	13483.2	12125.0	10565.8	12374.3
57.5°	11784.2	11847.8	11153.4	9634.9	9596.7	10214.9	10642.2	10509.9	10118.2	9535.7	11512.0
60°	9507.8	9688.3	9754.4	8058.0	7241.4	6923.5	6796.3	6562.3	6628.4	7834.1	10113.1
62.5°	8154.6	8144.4	8559.0	7305.0	4743.7	4079.9	4018.8	4072.2	4835.2	7712.0	9904.5
65°	6465.7	6638.6	6765.8	6190.9	3754.2	3029.4	3026.8	3365.1	4184.1	6445.3	7996.9
67.5°	4105.3	4331.7	4489.3	3960.3	2510.5	2156.9	2098.4	2505.4	2899.6	4227.4	4814.9
70°	2314.6	2421.4	2492.6	2284.1	1597.3	1119.1	1053.0	1149.6	1752.5	2736.9	2853.8
72.5°	892.8	941.1	1037.8	1045.4	602.8	361.2	292.5	351.0	737.6	1083.5	1032.7
75°	137.3	147.5	208.6	249.3	173.0	132.3	139.9	145.0	206.0	279.8	234.0
77.5°	66.1	66.1	63.6	73.8	86.5	94.1	101.8	111.9	122.1	134.8	129.7
80°	43.2	43.2	43.2	50.9	63.6	76.3	86.5	91.6	96.6	106.8	101.8
82.5°	28.0	28.0	28.0	38.2	50.9	63.6	68.7	81.4	91.6	106.8	99.2
85°	15.2	15.2	15.2	25.4	38.2	53.4	50.9	40.7	22.9	2.5	5.0
87.5°	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5
2.5°	7996.9	7879.9	7869.7	7630.6	7416.9	7312.7	7228.7	6994.8	7045.6	6910.7	6908.2
5°	7610.3	7371.2	6984.6	6666.6	6348.6	6285.0	6007.9	5766.2	5773.8	5600.9	5631.4
7.5°	6915.9	6750.5	6280.0	5781.5	5359.3	5059.1	4797.1	4639.4	4438.5	4369.8	4334.2
10°	6475.9	6272.3	5743.3	5117.6	4644.5	4484.3	4232.4	4092.6	3886.5	3784.8	3713.6
12.5°	6282.5	5985.0	5323.6	4687.7	4372.4	4207.0	3993.3	3739.0	3494.9	3400.7	3271.0
15°	6302.9	5946.8	5201.5	4514.7	4135.8	3815.3	3624.5	3342.2	3092.9	2927.6	2833.5
17.5°	6610.7	6178.2	5257.5	4382.5	3838.2	3436.3	3062.4	2757.2	2558.8	2434.2	2403.7
20°	7338.1	6750.5	5351.6	4168.8	3540.6	3039.5	2579.2	2261.2	2108.6	2106.0	2108.6
22.5°	7943.5	7361.0	5542.4	4041.7	3243.0	2530.8	2073.0	1971.2	1940.7	2004.3	2011.9
25°	8759.9	8047.8	5870.5	3975.6	2968.3	2156.9	1874.6	1836.4	1833.9	1915.3	1917.8
27.5°	9596.7	8648.0	6066.3	3782.2	2688.5	1963.7	1755.0	1747.4	1788.1	1874.6	1866.9
30°	10166.5	9151.7	6419.9	3550.8	2357.8	1793.2	1706.7	1716.9	1772.8	1839.0	1849.2
32.5°	10830.4	9647.6	6511.4	3423.6	2154.4	1650.7	1589.7	1612.6	1683.9	1788.1	1844.1
35°	11590.9	9998.6	6651.4	3250.6	2078.1	1541.4	1510.9	1536.3	1622.8	1691.4	1752.5
37.5°	12153.0	10619.2	6676.8	3115.8	1994.1	1480.3	1432.0	1516.0	1566.8	1663.5	1694.0
40°	12570.2	11069.5	6742.9	3031.9	1928.0	1401.5	1401.5	1457.5	1526.2	1615.1	1676.2
42.5°	12837.2	11397.6	6791.2	2955.6	1800.8	1378.6	1365.9	1421.9	1513.4	1599.9	1627.8
44°	13000.0	11537.5	6742.9	2884.4	1765.2	1350.6	1350.6	1398.9	1470.2	1571.9	1605.0
45°	13040.7	11712.9	6636.1	2881.9	1721.9	1317.5	1312.5	1404.0	1452.3	1577.0	1597.3
47.5°	13198.4	11929.2	6648.8	2800.4	1617.7	1238.7	1327.7	1368.4	1411.7	1521.0	1589.7
50°	13193.4	12064.0	6620.9	2680.9	1541.4	1149.6	1297.2	1343.0	1386.2	1498.2	1526.2
52.5°	13228.9	12567.7	6877.7	2490.1	1404.0	1035.2	1195.5	1297.2	1350.6	1444.8	1503.2
55°	13211.1	12855.0	7132.1	2347.7	1210.7	966.6	1108.9	1228.5	1304.8	1404.0	1432.0
57.5°	12066.5	11362.0	6600.5	2080.6	1002.1	885.2	986.9	1157.3	1253.9	1355.7	1391.4
60°	9858.7	8757.4	5443.2	1531.2	824.1	813.9	918.2	1134.4	1175.1	1264.1	1325.2
62.5°	9111.0	7681.4	4316.3	1170.0	704.6	745.3	847.0	1025.0	1088.7	1198.0	1253.9
65°	7129.5	5102.3	2673.3	791.0	620.7	668.9	765.6	897.9	1002.1	1103.9	1170.0
67.5°	4222.2	2787.7	1322.6	554.5	541.8	592.7	691.8	791.0	910.6	1022.5	1055.5
70°	2299.4	1371.0	564.6	422.3	460.4	506.2	602.8	671.5	785.9	872.5	928.4
72.5°	737.6	417.1	282.3	312.9	351.0	404.4	462.9	546.9	628.2	679.1	724.9
75°	178.0	175.5	200.9	218.7	254.3	295.0	343.4	386.6	450.2	498.5	539.2
77.5°	124.6	134.8	155.2	180.6	193.3	208.6	239.1	272.1	300.2	335.7	361.2
80°	96.6	104.3	119.5	132.3	145.0	157.7	173.0	185.7	203.5	226.4	239.1
82.5°	91.6	96.6	111.9	119.5	114.5	111.9	122.1	127.2	129.7	137.3	145.0
85°	7.7	0.0	5.0	17.8	43.2	63.6	68.7	68.7	66.1	71.2	71.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.2	7.7
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°	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5
2.5°	6877.7	6791.2	6824.3	6865.0	6806.5	6671.7	6707.3	6692.0	6829.4	6819.2	6956.6
5°	5766.2	5631.4	5646.6	5845.0	5781.5	5850.2	5712.7	5695.0	5720.4	5733.1	5756.1
7.5°	4413.1	4395.2	4547.9	4715.7	4794.5	4713.1	4578.4	4547.9	4519.9	4463.9	4591.1
10°	3601.7	3606.7	3596.5	3723.7	3812.8	3794.9	3713.6	3703.4	3649.9	3629.6	3700.8
12.5°	3215.1	3146.3	3113.3	3072.6	3141.3	3187.1	3151.5	3126.0	3128.5	3154.0	3164.2
15°	2841.2	2797.9	2726.7	2680.9	2714.0	2691.0	2678.3	2729.2	2716.5	2711.4	2772.4
17.5°	2421.4	2457.1	2451.9	2401.1	2444.4	2426.5	2424.0	2388.4	2340.1	2304.4	2324.8
20°	2144.2	2210.3	2261.2	2263.7	2286.7	2284.1	2246.0	2136.6	2101.0	2093.3	2098.4
22.5°	2045.0	2080.6	2141.7	2228.1	2228.1	2187.4	2141.7	2014.4	1981.4	1945.8	1930.5
25°	1966.2	2034.8	2113.7	2123.9	2164.6	2126.4	2052.6	1989.0	1920.3	1872.1	1872.1
27.5°	1925.5	2001.7	2060.3	2078.1	2134.0	2103.5	2027.2	1945.8	1864.4	1861.9	1818.7
30°	1907.6	1978.9	2017.1	2060.3	2085.7	2037.4	2014.4	1928.0	1846.6	1826.2	1755.0
32.5°	1854.2	1956.0	2027.2	2017.1	2037.4	2017.1	1983.9	1912.8	1821.2	1775.4	1767.8
35°	1793.2	1894.9	1971.2	2024.6	2037.4	1994.1	1973.7	1877.1	1752.5	1729.6	1650.7
37.5°	1760.1	1821.2	1915.3	2001.7	2019.6	1996.7	1928.0	1828.8	1704.2	1678.7	1610.1
40°	1719.4	1798.3	1872.1	1943.3	1996.7	1940.7	1861.9	1765.2	1709.2	1633.0	1612.6
42.5°	1688.9	1778.0	1839.0	1917.8	1978.9	1905.1	1813.5	1747.4	1668.5	1617.7	1559.2
44°	1678.7	1760.1	1800.8	1897.5	1948.3	1892.4	1816.1	1747.4	1655.8	1610.1	1559.2
45°	1643.1	1755.0	1798.3	1884.8	1928.0	1882.2	1785.5	1716.9	1650.7	1594.8	1541.4
47.5°	1607.5	1683.9	1757.6	1826.2	1856.8	1841.5	1760.1	1676.2	1597.3	1564.3	1513.4
50°	1597.3	1673.7	1742.3	1805.9	1841.5	1811.0	1737.3	1655.8	1564.3	1510.9	1467.6
52.5°	1546.4	1640.6	1716.9	1737.3	1783.0	1765.2	1709.2	1620.3	1533.7	1488.0	1452.3
55°	1472.7	1571.9	1676.2	1701.6	1767.8	1739.8	1655.8	1571.9	1498.2	1429.4	1383.7
57.5°	1444.8	1541.4	1643.1	1676.2	1716.9	1671.1	1650.7	1561.7	1444.8	1409.1	1337.9
60°	1373.5	1495.6	1579.6	1655.8	1658.4	1645.7	1610.1	1508.3	1411.7	1345.5	1294.6
62.5°	1317.5	1432.0	1498.2	1569.4	1612.6	1577.0	1541.4	1447.3	1343.0	1269.2	1210.7
65°	1236.2	1340.5	1396.4	1439.6	1488.0	1482.9	1421.9	1353.2	1243.8	1185.3	1129.3
67.5°	1111.5	1203.1	1279.4	1320.1	1350.6	1343.0	1297.2	1248.9	1136.9	1078.5	1037.8
70°	961.4	1055.5	1103.9	1126.8	1157.3	1172.6	1136.9	1114.1	1014.8	938.6	900.4
72.5°	773.2	834.3	905.5	925.9	938.6	948.7	948.7	928.4	826.6	796.1	730.0
75°	569.8	618.1	671.5	671.5	694.4	696.9	702.0	689.3	613.0	572.3	557.0
77.5°	386.6	422.3	465.5	483.2	498.5	496.0	493.4	457.8	417.1	399.3	384.1
80°	251.8	287.5	307.8	330.7	345.9	343.4	348.4	323.0	305.2	274.7	279.8
82.5°	150.0	178.0	198.4	226.4	226.4	234.0	234.0	226.4	208.6	193.3	193.3
85°	71.2	94.1	106.8	124.6	134.8	137.3	122.1	104.3	86.5	78.9	86.5
87.5°	12.7	17.8	25.4	22.9	28.0	25.4	25.4	25.4	25.4	20.4	22.9
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: P650855

CATALOG NUMBER: GALN-SA4C-840-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5	7770.5
2.5°	6905.7	7032.9	7121.9	7269.4	7523.8	7727.3	7935.8	8091.0	8108.8	8154.6
5°	5840.0	5908.6	6135.0	6430.0	6638.6	6982.0	7203.3	7605.2	7755.3	7915.5
7.5°	4560.6	4672.5	4975.2	5173.6	5631.4	6061.3	6506.4	7002.3	7200.7	7223.7
10°	3845.8	4008.6	4214.7	4532.6	4781.8	5260.0	5814.5	6366.5	6587.7	6625.9
12.5°	3377.8	3586.4	3861.1	4090.0	4329.1	4746.3	5277.9	5959.5	6246.9	6419.9
15°	2927.6	3143.8	3446.5	3764.4	3975.6	4474.1	5099.8	5867.9	6241.8	6394.5
17.5°	2464.7	2665.6	2914.9	3258.3	3683.1	4242.6	5071.8	6173.2	6582.7	6760.7
20°	2067.9	2179.8	2469.8	2823.3	3354.9	4006.1	5082.0	6623.4	7223.7	7302.5
22.5°	1912.8	1938.2	2052.6	2378.2	2960.7	3764.4	5262.6	7261.8	7943.5	8202.9
25°	1793.2	1788.1	1818.7	2037.4	2673.3	3670.3	5440.6	7849.4	8742.1	9024.4
27.5°	1727.1	1676.2	1678.7	1884.8	2469.8	3517.7	5669.5	8523.4	9647.6	9772.3
30°	1694.0	1683.9	1653.3	1737.3	2248.5	3288.8	5707.7	9187.3	10181.7	10362.4
32.5°	1673.7	1574.4	1536.3	1566.8	2039.9	3039.5	5850.2	9624.7	10843.1	10764.2
35°	1571.9	1482.9	1457.5	1488.0	1892.4	2899.6	5756.1	10006.3	11339.1	11471.3
37.5°	1533.7	1454.9	1404.0	1378.6	1755.0	2782.6	5707.7	10593.8	11819.8	12137.7
40°	1498.2	1414.2	1353.2	1327.7	1648.2	2627.5	5692.4	11046.6	12374.3	12565.0
42.5°	1457.5	1404.0	1335.3	1289.6	1518.5	2472.3	5517.0	11186.5	12544.7	12750.7
44°	1444.8	1363.3	1292.1	1276.9	1467.6	2393.5	5481.3	11313.6	12692.3	13005.1
45°	1432.0	1355.7	1274.3	1253.9	1449.8	2350.3	5433.0	11344.2	12936.4	12995.0
47.5°	1396.4	1348.0	1269.2	1213.2	1411.7	2256.2	5288.0	11171.2	12687.2	12697.3
50°	1368.4	1312.5	1231.1	1121.7	1360.8	2177.3	5354.1	11107.6	12086.9	12109.8
52.5°	1337.9	1253.9	1208.2	1020.0	1276.9	2111.2	5494.0	11395.0	12155.6	12150.4
55°	1302.3	1210.7	1098.8	933.5	1136.9	2027.2	5832.3	11962.2	12791.4	12877.9
57.5°	1246.4	1167.5	1007.3	857.1	976.7	1866.9	5722.9	10876.1	11769.0	11784.2
60°	1172.6	1098.8	913.2	798.7	801.2	1472.7	5117.6	8475.1	9286.5	9507.8
62.5°	1101.4	1060.7	834.3	714.8	681.6	1172.6	4326.5	7043.0	7971.4	8154.6
65°	1017.4	918.2	765.6	651.2	585.0	821.6	3064.9	5262.6	6218.9	6465.7
67.5°	910.6	803.7	674.1	572.3	501.1	549.4	1582.1	2991.2	3960.3	4105.3
70°	796.1	696.9	567.2	483.2	404.4	379.0	696.9	1426.9	2164.6	2314.6
72.5°	653.7	562.1	452.7	381.6	302.7	262.0	234.0	381.6	768.2	892.8
75°	473.1	409.5	340.9	272.1	213.7	167.9	137.3	114.5	127.2	137.3
77.5°	348.4	297.6	251.8	193.3	150.0	119.5	94.1	71.2	68.7	66.1
80°	272.1	241.6	200.9	155.2	117.0	89.1	66.1	48.4	43.2	43.2
82.5°	213.7	198.4	165.3	127.2	96.6	71.2	48.4	33.1	28.0	28.0
85°	81.4	81.4	119.5	104.3	73.8	50.9	33.1	17.8	15.2	15.2
87.5°	20.4	20.4	20.4	20.4	17.8	15.2	15.2	7.7	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)