

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: P530056

Luminaire Tested: **GALN-SA5B-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530056  
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-SA5B-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 800mA 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: 19328 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

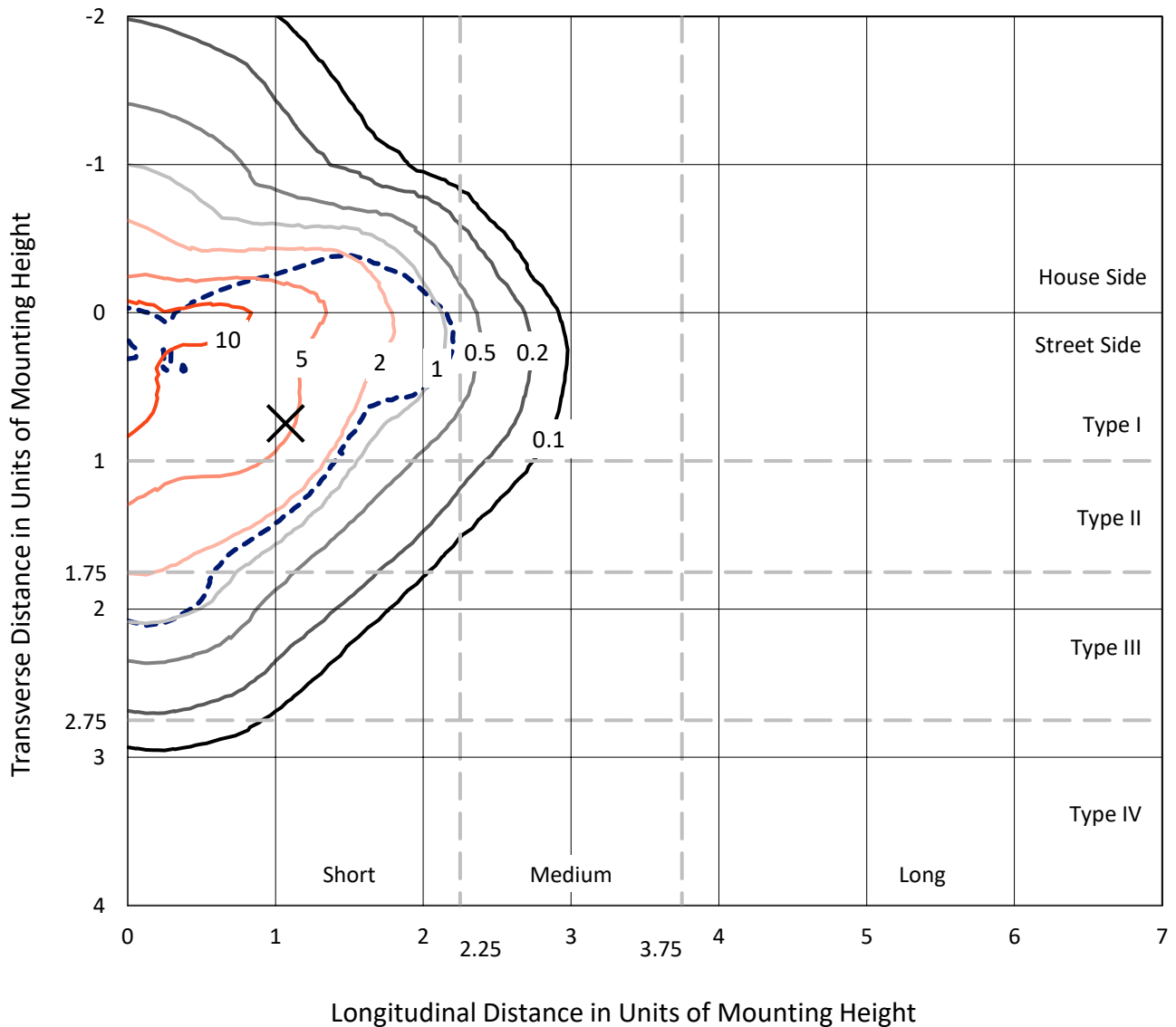
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

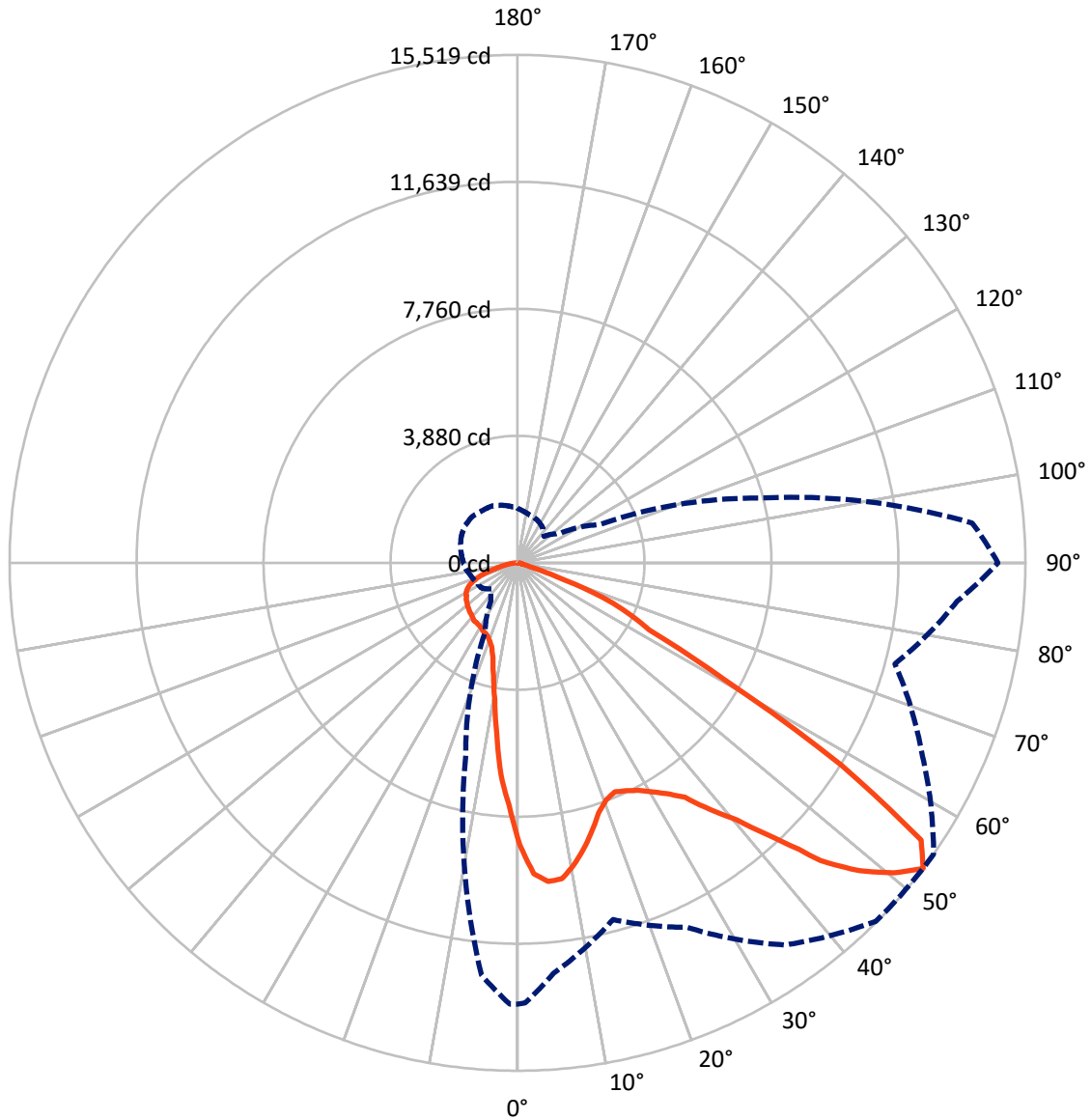
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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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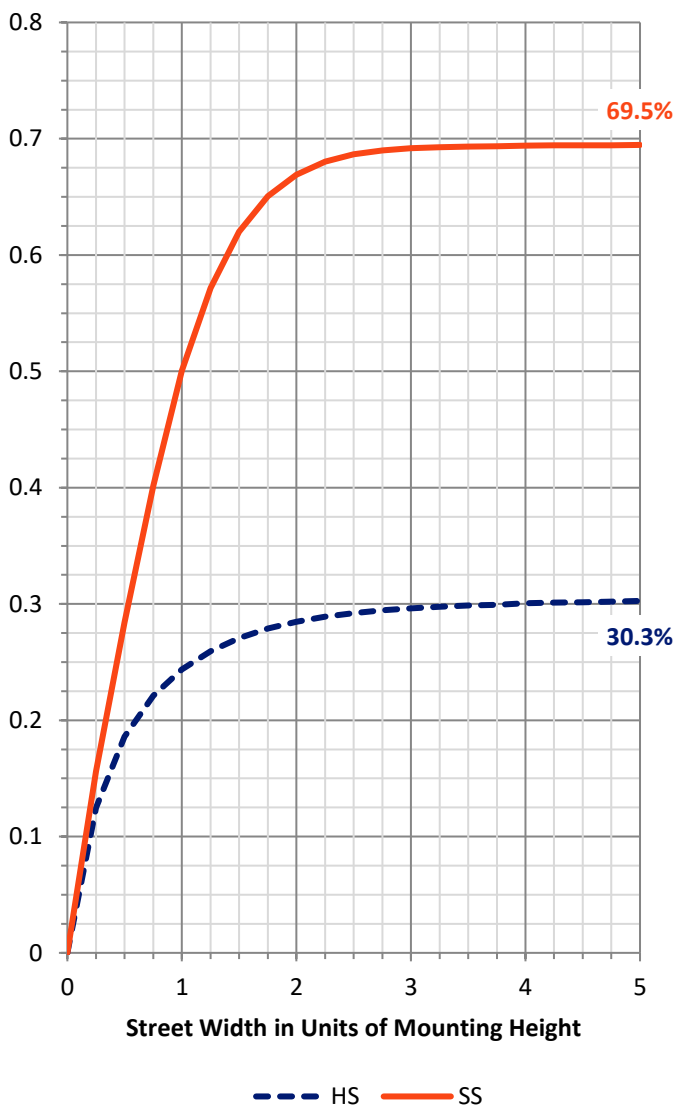
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5896.1	0.0	5896.1
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	13431.9	0.0	13431.9
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	19328.0	0.0	19328.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	658.7	3.4
10°-20°	1420.2	7.3
20°-30°	2153.5	11.1
30°-40°	3111.5	16.1
40°-50°	4157.8	21.5
50°-60°	4641.0	24.0
60°-70°	2545.8	13.2
70°-80°	550.4	2.8
80°-90°	89.0	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°	19328.0	100.0
0°-180°	19328.0	100.0

**Coefficient of Utilization**



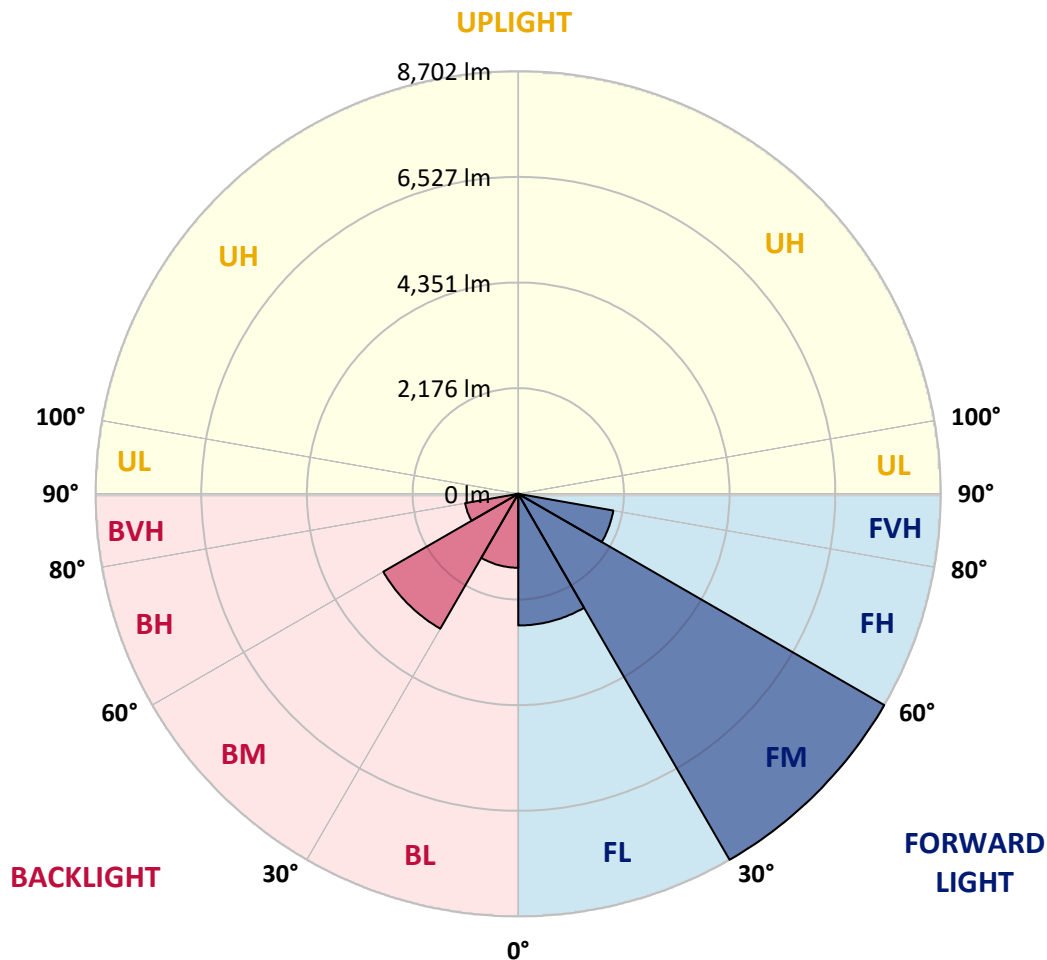
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2710.1	14.0			
FM (30°-60°)	8702.4	45.0			
FH (60°-80°)	1986.4	10.3			G2/5000
FVH (80°-90°)	33.0	0.2			G1/100
BL (0°-30°)	1522.3	7.9	B3/2500		
BM (30°-60°)	3207.9	16.6	B3/5000		
BH (60°-80°)	1109.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	56.1	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°	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8
2.5°	9047.9	8997.1	9042.3	9256.8	9381.0	9465.6	9519.2	9510.8	9307.6	9110.0	9110.0
5°	8782.6	8717.7	8810.9	9296.3	9784.5	9826.9	9897.4	9781.7	9482.6	9121.3	8669.8
7.5°	8015.0	8063.0	8218.2	8856.0	9491.0	9809.9	9894.6	9747.8	9262.4	8587.9	7924.7
10°	7351.8	7464.7	7823.1	8511.7	9095.9	9510.8	9603.9	9397.9	9014.1	8187.2	7594.5
12.5°	7123.2	7052.6	7450.6	8139.2	8698.0	8920.9	8963.3	8977.4	8717.7	7984.0	7261.5
15°	7095.0	7140.1	7450.6	7972.7	8317.0	8328.3	8398.8	8508.9	8542.8	8122.3	7416.7
17.5°	7501.4	7447.8	7766.7	8181.5	8017.8	7854.1	7871.1	8029.1	8308.5	8240.8	7904.9
20°	8102.5	8223.9	8475.0	8432.7	7992.4	7577.6	7580.4	7730.0	8280.3	8731.8	8585.1
22.5°	9101.6	9220.1	9406.4	8895.5	7992.4	7495.7	7399.8	7603.0	8460.9	9316.0	9352.7
25°	10013.1	10230.4	10281.2	9680.1	8393.2	7571.9	7509.8	7710.2	8641.5	9886.1	10233.3
27.5°	10842.8	10921.9	11144.8	10185.3	8616.1	7622.7	7617.1	7873.9	8870.1	10171.2	11020.6
30°	11497.6	11489.1	11616.1	10504.2	8971.7	7907.8	7634.0	8119.4	9169.3	10642.5	11748.8
32.5°	11943.5	12039.5	12307.6	10947.3	9121.3	8178.7	7964.2	8407.3	9533.3	10865.4	12262.4
35°	12728.1	12894.6	12555.9	11192.8	9595.4	8446.8	8195.6	8799.6	9714.0	11108.1	12891.8
37.5°	13467.5	13340.5	12996.2	11325.4	9903.1	8943.5	8709.3	9558.7	10275.6	11635.9	13309.4
40°	13941.6	13938.8	13326.4	11432.7	10120.4	9702.7	9688.6	10329.2	10964.2	11968.9	13777.9
42.5°	14147.6	14345.2	13461.8	11421.4	10577.6	10622.7	10907.8	11480.7	11452.4	12036.6	13766.6
44°	14429.8	14548.4	13696.1	11446.8	10882.4	11243.6	11915.3	12279.3	11878.6	11999.9	13752.5
45°	14418.6	14427.0	13363.1	11480.7	11142.0	11762.9	12364.0	12979.2	12253.9	11920.9	13938.8
47.5°	14088.4	13992.4	13080.8	11229.5	11952.0	13134.5	13690.4	14063.0	12716.8	11751.6	13707.4
50°	13436.4	13326.4	12395.0	11122.2	12121.3	13986.8	14754.4	14889.9	13137.3	11585.1	13478.8
52.5°	13481.6	13450.5	12589.8	11283.1	12290.6	14254.9	15485.3	15519.2	13614.2	11935.0	13481.6
55°	14288.7	14181.5	13148.6	11483.5	12166.5	13941.6	15019.7	14960.4	13453.4	11723.4	13729.9
57.5°	13075.2	13145.7	12375.3	10690.4	10648.1	11333.9	11808.0	11661.3	11226.7	10580.4	12773.2
60°	10549.3	10749.7	10823.1	8940.7	8034.8	7682.0	7540.9	7281.2	7354.6	8692.3	11221.0
62.5°	9047.9	9036.6	9496.7	8105.3	5263.4	4526.8	4459.1	4518.3	5365.0	8556.9	10989.6
65°	7174.0	7365.9	7507.0	6869.2	4165.5	3361.2	3358.4	3733.8	4642.5	7151.4	8873.0
67.5°	4555.0	4806.2	4981.2	4394.1	2785.5	2393.2	2328.3	2779.9	3217.3	4690.5	5342.4
70°	2568.2	2686.7	2765.7	2534.3	1772.3	1241.8	1168.4	1275.6	1944.5	3036.7	3166.5
72.5°	990.6	1044.2	1151.5	1159.9	668.9	400.8	324.6	389.5	818.4	1202.3	1145.8
75°	152.4	163.7	231.4	276.6	191.9	146.8	155.2	160.9	228.6	310.4	259.6
77.5°	73.4	73.4	70.6	81.8	96.0	104.4	112.9	124.2	135.5	149.6	143.9
80°	48.0	48.0	48.0	56.4	70.6	84.7	96.0	101.6	107.2	118.5	112.9
82.5°	31.0	31.0	31.0	42.3	56.4	70.6	76.2	90.3	101.6	118.5	110.1
85°	16.9	16.9	16.9	28.2	42.3	59.3	56.4	45.2	25.4	2.8	5.6
87.5°	5.6	5.6	5.6	5.6	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°	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8
2.5°	8873.0	8743.1	8731.8	8466.6	8229.5	8113.8	8020.7	7761.0	7817.5	7667.9	7665.1
5°	8444.0	8178.7	7749.7	7397.0	7044.2	6973.6	6666.0	6397.9	6406.4	6214.5	6248.3
7.5°	7673.5	7490.1	6968.0	6414.8	5946.3	5613.3	5322.6	5147.7	4924.7	4848.5	4809.0
10°	7185.3	6959.5	6372.5	5678.2	5153.3	4975.5	4696.1	4540.9	4312.3	4199.4	4120.4
12.5°	6970.8	6640.6	5906.8	5201.3	4851.3	4667.9	4430.8	4148.6	3877.7	3773.3	3629.3
15°	6993.4	6598.3	5771.4	5009.4	4588.9	4233.3	4021.6	3708.4	3431.8	3248.3	3143.9
17.5°	7334.9	6855.1	5833.5	4862.6	4258.7	3812.8	3397.9	3059.3	2839.1	2700.8	2667.0
20°	8142.0	7490.1	5937.9	4625.6	3928.5	3372.5	2861.7	2508.9	2339.6	2336.8	2339.6
22.5°	8813.7	8167.4	6149.5	4484.5	3598.3	2808.1	2300.1	2187.2	2153.3	2223.9	2232.4
25°	9719.6	8929.4	6513.6	4411.1	3293.5	2393.2	2080.0	2037.6	2034.8	2125.1	2127.9
27.5°	10648.1	9595.4	6730.9	4196.6	2983.1	2178.7	1947.3	1938.8	1984.0	2080.0	2071.5
30°	11280.3	10154.2	7123.2	3939.8	2616.2	1989.6	1893.7	1905.0	1967.1	2040.4	2051.7
32.5°	12016.9	10704.6	7224.8	3798.7	2390.4	1831.6	1763.9	1789.3	1868.3	1984.0	2046.1
35°	12860.7	11094.0	7380.0	3606.8	2305.7	1710.2	1676.4	1704.6	1800.6	1876.8	1944.5
37.5°	13484.4	11782.6	7408.2	3457.2	2212.6	1642.5	1588.9	1682.0	1738.5	1845.7	1879.6
40°	13947.3	12282.2	7481.6	3364.0	2139.2	1555.0	1555.0	1617.1	1693.3	1792.1	1859.8
42.5°	14243.6	12646.2	7535.2	3279.4	1998.1	1529.6	1515.5	1577.6	1679.2	1775.2	1806.2
44°	14424.2	12801.4	7481.6	3200.4	1958.6	1498.6	1498.6	1552.2	1631.2	1744.1	1780.8
45°	14469.4	12996.2	7363.1	3197.5	1910.6	1461.9	1456.2	1557.8	1611.5	1749.8	1772.3
47.5°	14644.3	13236.1	7377.2	3107.2	1794.9	1374.4	1473.2	1518.3	1566.3	1687.7	1763.9
50°	14638.7	13385.6	7346.2	2974.6	1710.2	1275.6	1439.3	1490.1	1538.1	1662.3	1693.3
52.5°	14678.2	13944.4	7631.2	2762.9	1557.8	1148.6	1326.4	1439.3	1498.6	1603.0	1667.9
55°	14658.4	14263.3	7913.4	2604.9	1343.4	1072.4	1230.5	1363.1	1447.8	1557.8	1588.9
57.5°	13388.5	12606.7	7323.6	2308.5	1111.9	982.1	1095.0	1284.1	1391.3	1504.2	1543.7
60°	10938.8	9716.8	6039.5	1699.0	914.4	903.1	1018.8	1258.7	1303.9	1402.6	1470.4
62.5°	10109.1	8523.0	4789.3	1298.2	781.7	826.9	939.8	1137.3	1207.9	1329.3	1391.3
65°	7910.6	5661.3	2966.1	877.7	688.6	742.2	849.5	996.2	1111.9	1224.8	1298.2
67.5°	4684.8	3093.1	1467.5	615.2	601.1	657.6	767.6	877.7	1010.3	1134.5	1171.2
70°	2551.3	1521.2	626.5	468.5	510.8	561.6	668.9	745.1	872.1	968.0	1030.1
72.5°	818.4	462.8	313.3	347.1	389.5	448.7	513.6	606.8	697.1	753.5	804.3
75°	197.6	194.7	223.0	242.7	282.2	327.4	381.0	429.0	499.5	553.1	598.3
77.5°	138.3	149.6	172.2	200.4	214.5	231.4	265.3	302.0	333.0	372.5	400.8
80°	107.2	115.7	132.6	146.8	160.9	175.0	191.9	206.0	225.8	251.2	265.3
82.5°	101.6	107.2	124.2	132.6	127.0	124.2	135.5	141.1	143.9	152.4	160.9
85°	8.5	0.0	5.6	19.8	48.0	70.6	76.2	76.2	73.4	79.0	79.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	11.3	8.5
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°	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8
2.5°	7631.2	7535.2	7571.9	7617.1	7552.2	7402.6	7442.1	7425.2	7577.6	7566.3	7718.7
5°	6397.9	6248.3	6265.3	6485.4	6414.8	6491.0	6338.6	6318.9	6347.1	6361.2	6386.6
7.5°	4896.5	4876.7	5046.1	5232.3	5319.8	5229.5	5079.9	5046.1	5015.0	4952.9	5094.0
10°	3996.2	4001.9	3990.6	4131.7	4230.5	4210.7	4120.4	4109.1	4049.8	4027.3	4106.3
12.5°	3567.2	3491.0	3454.4	3409.2	3485.4	3536.2	3496.7	3468.5	3471.3	3499.5	3510.8
15°	3152.4	3104.4	3025.4	2974.6	3011.3	2985.9	2971.8	3028.2	3014.1	3008.5	3076.2
17.5°	2686.7	2726.2	2720.6	2664.1	2712.1	2692.4	2689.5	2650.0	2596.4	2556.9	2579.5
20°	2379.1	2452.5	2508.9	2511.7	2537.1	2534.3	2492.0	2370.6	2331.1	2322.7	2328.3
22.5°	2269.0	2308.5	2376.3	2472.2	2472.2	2427.1	2376.3	2235.2	2198.5	2159.0	2142.0
25°	2181.6	2257.8	2345.2	2356.5	2401.7	2359.3	2277.5	2207.0	2130.8	2077.1	2077.1
27.5°	2136.4	2221.1	2286.0	2305.7	2367.8	2333.9	2249.3	2159.0	2068.7	2065.8	2017.9
30°	2116.6	2195.7	2238.0	2286.0	2314.2	2260.6	2235.2	2139.2	2048.9	2026.3	1947.3
32.5°	2057.4	2170.3	2249.3	2238.0	2260.6	2238.0	2201.3	2122.3	2020.7	1969.9	1961.4
35°	1989.6	2102.5	2187.2	2246.5	2260.6	2212.6	2190.0	2082.8	1944.5	1919.1	1831.6
37.5°	1953.0	2020.7	2125.1	2221.1	2240.8	2215.4	2139.2	2029.2	1890.9	1862.6	1786.4
40°	1907.8	1995.3	2077.1	2156.2	2215.4	2153.3	2065.8	1958.6	1896.5	1811.8	1789.3
42.5°	1873.9	1972.7	2040.4	2127.9	2195.7	2113.8	2012.2	1938.8	1851.4	1794.9	1730.0
44°	1862.6	1953.0	1998.1	2105.4	2161.8	2099.7	2015.0	1938.8	1837.2	1786.4	1730.0
45°	1823.1	1947.3	1995.3	2091.2	2139.2	2088.4	1981.2	1905.0	1831.6	1769.5	1710.2
47.5°	1783.6	1868.3	1950.1	2026.3	2060.2	2043.3	1953.0	1859.8	1772.3	1735.6	1679.2
50°	1772.3	1857.0	1933.2	2003.8	2043.3	2009.4	1927.6	1837.2	1735.6	1676.4	1628.4
52.5°	1715.9	1820.3	1905.0	1927.6	1978.4	1958.6	1896.5	1797.7	1701.8	1651.0	1611.5
55°	1634.0	1744.1	1859.8	1888.0	1961.4	1930.4	1837.2	1744.1	1662.3	1586.1	1535.3
57.5°	1603.0	1710.2	1823.1	1859.8	1905.0	1854.2	1831.6	1732.8	1603.0	1563.5	1484.5
60°	1524.0	1659.4	1752.6	1837.2	1840.1	1826.0	1786.4	1673.6	1566.3	1492.9	1436.5
62.5°	1461.9	1588.9	1662.3	1741.3	1789.3	1749.8	1710.2	1605.8	1490.1	1408.3	1343.4
65°	1371.6	1487.3	1549.4	1597.4	1651.0	1645.3	1577.6	1501.4	1380.0	1315.1	1253.1
67.5°	1233.3	1334.9	1419.6	1464.7	1498.6	1490.1	1439.3	1385.7	1261.5	1196.6	1151.5
70°	1066.8	1171.2	1224.8	1250.2	1284.1	1301.0	1261.5	1236.1	1126.1	1041.4	999.1
72.5°	857.9	925.7	1004.7	1027.3	1041.4	1052.7	1052.7	1030.1	917.2	883.3	810.0
75°	632.2	685.8	745.1	745.1	770.5	773.3	778.9	764.8	680.1	635.0	618.1
77.5°	429.0	468.5	516.5	536.2	553.1	550.3	547.5	508.0	462.8	443.1	426.2
80°	279.4	318.9	341.5	366.9	383.8	381.0	386.6	358.4	338.7	304.8	310.4
82.5°	166.5	197.6	220.1	251.2	251.2	259.6	259.6	251.2	231.4	214.5	214.5
85°	79.0	104.4	118.5	138.3	149.6	152.4	135.5	115.7	96.0	87.5	96.0
87.5°	14.1	19.8	28.2	25.4	31.0	28.2	28.2	28.2	28.2	22.6	25.4
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: P530056

CATALOG NUMBER: GALN-SA5B-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8	8621.8
2.5°	7662.2	7803.3	7902.1	8065.8	8348.0	8573.8	8805.2	8977.4	8997.1	9047.9
5°	6479.7	6555.9	6807.1	7134.5	7365.9	7746.9	7992.4	8438.3	8604.8	8782.6
7.5°	5060.2	5184.4	5520.2	5740.3	6248.3	6725.3	7219.2	7769.5	7989.6	8015.0
10°	4267.1	4447.8	4676.4	5029.1	5305.7	5836.3	6451.5	7063.9	7309.5	7351.8
12.5°	3747.9	3979.3	4284.1	4538.1	4803.4	5266.2	5856.0	6612.4	6931.3	7123.2
15°	3248.3	3488.2	3824.1	4176.8	4411.1	4964.2	5658.5	6510.8	6925.6	7095.0
17.5°	2734.7	2957.7	3234.2	3615.2	4086.5	4707.4	5627.4	6849.4	7303.8	7501.4
20°	2294.4	2418.6	2740.3	3132.6	3722.5	4444.9	5638.7	7349.0	8015.0	8102.5
22.5°	2122.3	2150.5	2277.5	2638.7	3285.0	4176.8	5839.1	8057.3	8813.7	9101.6
25°	1989.6	1984.0	2017.9	2260.6	2966.1	4072.4	6036.7	8709.3	9699.9	10013.1
27.5°	1916.3	1859.8	1862.6	2091.2	2740.3	3903.1	6290.7	9457.2	10704.6	10842.8
30°	1879.6	1868.3	1834.4	1927.6	2494.8	3649.1	6333.0	10193.7	11297.2	11497.6
32.5°	1857.0	1746.9	1704.6	1738.5	2263.4	3372.5	6491.0	10679.2	12031.0	11943.5
35°	1744.1	1645.3	1617.1	1651.0	2099.7	3217.3	6386.6	11102.5	12581.3	12728.1
37.5°	1701.8	1614.3	1557.8	1529.6	1947.3	3087.5	6333.0	11754.4	13114.7	13467.5
40°	1662.3	1569.1	1501.4	1473.2	1828.8	2915.3	6316.1	12256.8	13729.9	13941.6
42.5°	1617.1	1557.8	1481.6	1430.8	1684.8	2743.2	6121.3	12412.0	13919.0	14147.6
44°	1603.0	1512.7	1433.7	1416.7	1628.4	2655.7	6081.8	12553.1	14082.7	14429.8
45°	1588.9	1504.2	1413.9	1391.3	1608.6	2607.7	6028.2	12587.0	14353.6	14418.6
47.5°	1549.4	1495.8	1408.3	1346.2	1566.3	2503.3	5867.3	12395.0	14077.1	14088.4
50°	1518.3	1456.2	1365.9	1244.6	1509.9	2415.8	5940.7	12324.5	13411.0	13436.4
52.5°	1484.5	1391.3	1340.5	1131.7	1416.7	2342.4	6095.9	12643.4	13487.2	13481.6
55°	1445.0	1343.4	1219.2	1035.7	1261.5	2249.3	6471.3	13272.7	14192.8	14288.7
57.5°	1382.9	1295.4	1117.6	951.1	1083.7	2071.5	6349.9	12067.7	13058.3	13075.2
60°	1301.0	1219.2	1013.2	886.2	889.0	1634.0	5678.2	9403.5	10303.8	10549.3
62.5°	1222.0	1176.9	925.7	793.0	756.3	1301.0	4800.5	7814.6	8844.7	9047.9
65°	1128.9	1018.8	849.5	722.5	649.1	911.6	3400.7	5839.1	6900.2	7174.0
67.5°	1010.3	891.8	747.9	635.0	556.0	609.6	1755.4	3318.9	4394.1	4555.0
70°	883.3	773.3	629.3	536.2	448.7	420.5	773.3	1583.2	2401.7	2568.2
72.5°	725.3	623.7	502.3	423.3	335.8	290.7	259.6	423.3	852.3	990.6
75°	524.9	454.4	378.2	302.0	237.1	186.3	152.4	127.0	141.1	152.4
77.5°	386.6	330.2	279.4	214.5	166.5	132.6	104.4	79.0	76.2	73.4
80°	302.0	268.1	223.0	172.2	129.8	98.8	73.4	53.6	48.0	48.0
82.5°	237.1	220.1	183.4	141.1	107.2	79.0	53.6	36.7	31.0	31.0
85°	90.3	90.3	132.6	115.7	81.8	56.4	36.7	19.8	16.9	16.9
87.5°	22.6	22.6	22.6	22.6	19.8	16.9	16.9	8.5	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)