

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: P526312

Luminaire Tested: **GALN-SA1B-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526312  
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-SA1B-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS 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: 3905 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

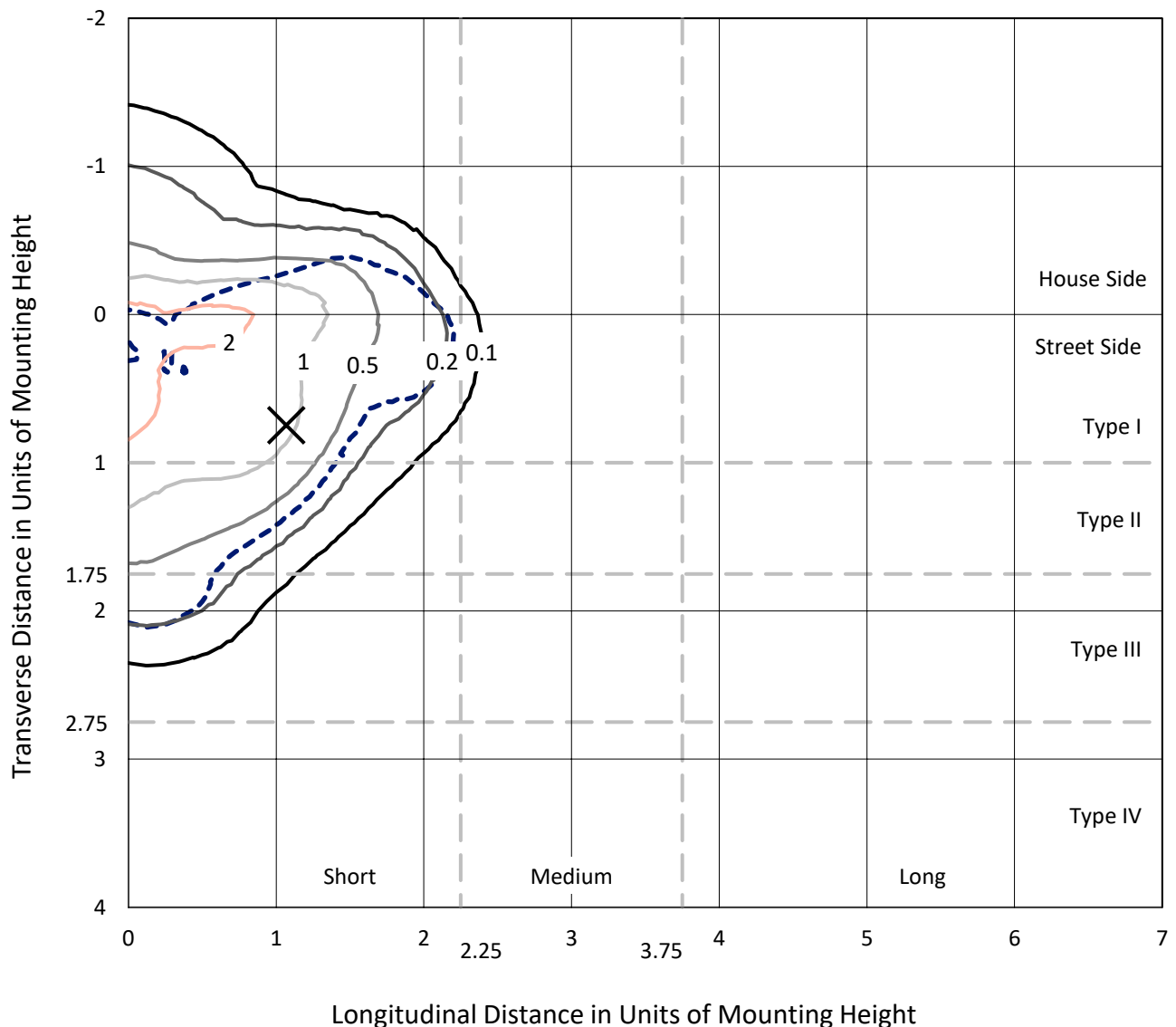
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

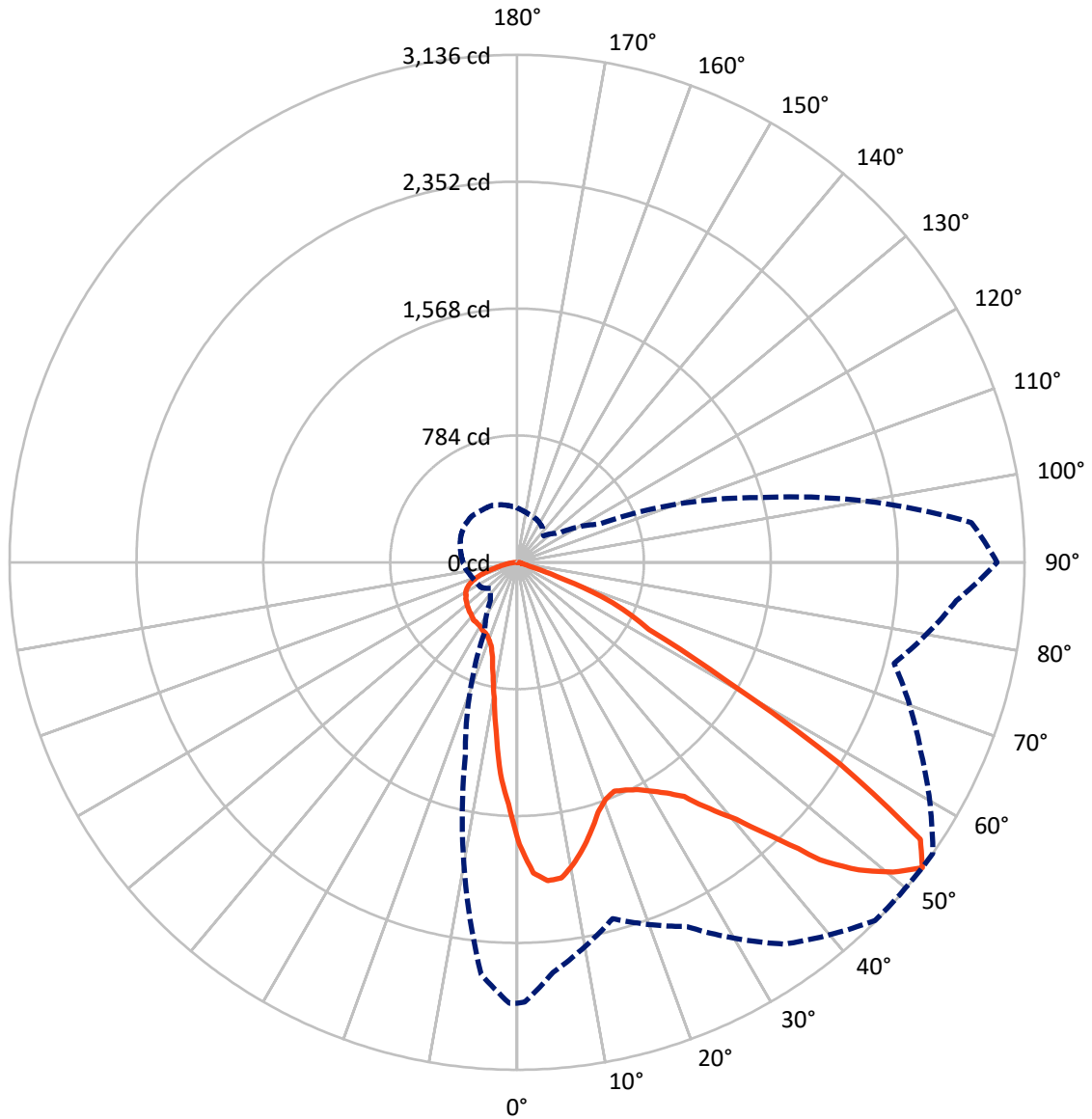
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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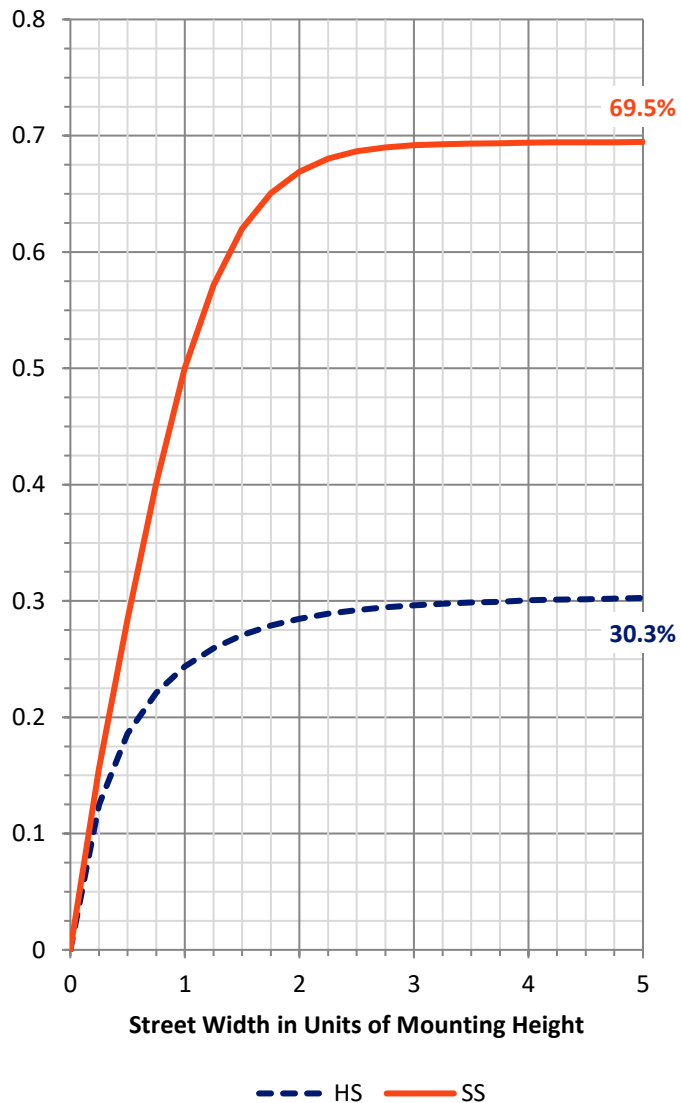
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1191.2	0.0	1191.2
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	2713.8	0.0	2713.8
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	3905.0	0.0	3905.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.1	3.4
10°-20°	286.9	7.3
20°-30°	435.1	11.1
30°-40°	628.6	16.1
40°-50°	840.0	21.5
50°-60°	937.7	24.0
60°-70°	514.4	13.2
70°-80°	111.2	2.8
80°-90°	18.0	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°	3905.0	100.0
0°-180°	3905.0	100.0

**Coefficient of Utilization**



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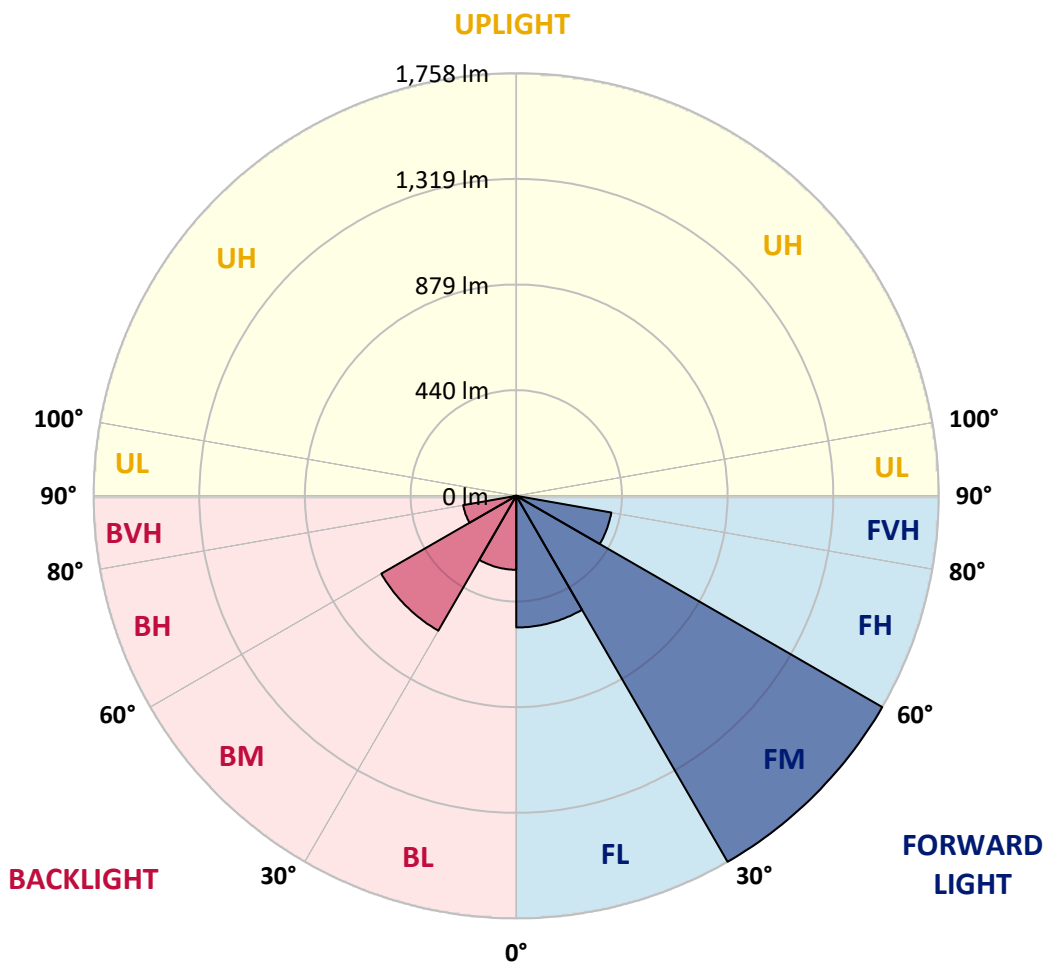
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.6	14.0			
FM (30°-60°)	1758.2	45.0			
FH (60°-80°)	401.3	10.3			G0/660
FVH (80°-90°)	6.7	0.2			G0/10
BL (0°-30°)	307.6	7.9	B1/500		
BM (30°-60°)	648.1	16.6	B1/1000		
BH (60°-80°)	224.2	5.7	B1/500		G1/500
BVH (80°-90°)	11.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9
2.5°	1828.0	1817.8	1826.9	1870.2	1895.3	1912.4	1923.3	1921.5	1880.5	1840.6	1840.6
5°	1774.4	1761.3	1780.1	1878.2	1976.9	1985.4	1999.7	1976.3	1915.8	1842.9	1751.6
7.5°	1619.3	1629.0	1660.4	1789.3	1917.6	1982.0	1999.1	1969.4	1871.4	1735.1	1601.1
10°	1485.3	1508.2	1580.6	1719.7	1837.7	1921.5	1940.4	1898.7	1821.2	1654.1	1534.4
12.5°	1439.2	1424.9	1505.3	1644.4	1757.3	1802.4	1810.9	1813.8	1761.3	1613.1	1467.1
15°	1433.5	1442.6	1505.3	1610.8	1680.4	1682.6	1696.9	1719.1	1726.0	1641.0	1498.5
17.5°	1515.6	1504.7	1569.2	1653.0	1619.9	1586.8	1590.3	1622.2	1678.6	1665.0	1597.1
20°	1637.0	1661.5	1712.3	1703.7	1614.8	1531.0	1531.5	1561.8	1672.9	1764.2	1734.5
22.5°	1838.9	1862.8	1900.4	1797.2	1614.8	1514.4	1495.0	1536.1	1709.4	1882.2	1889.6
25°	2023.0	2066.9	2077.2	1955.8	1695.7	1529.8	1517.3	1557.8	1745.9	1997.4	2067.5
27.5°	2190.7	2206.6	2251.7	2057.8	1740.8	1540.1	1538.9	1590.8	1792.1	2055.0	2226.6
30°	2323.0	2321.2	2346.9	2122.2	1812.6	1597.7	1542.4	1640.4	1852.5	2150.2	2373.7
32.5°	2413.0	2432.4	2486.6	2211.8	1842.9	1652.4	1609.1	1698.6	1926.1	2195.2	2477.5
35°	2571.6	2605.2	2536.8	2261.4	1938.6	1706.6	1655.8	1777.9	1962.6	2244.3	2604.6
37.5°	2720.9	2695.3	2625.7	2288.2	2000.8	1806.9	1759.6	1931.2	2076.1	2350.9	2689.0
40°	2816.7	2816.2	2692.4	2309.8	2044.7	1960.3	1957.5	2086.9	2215.2	2418.2	2783.7
42.5°	2858.4	2898.3	2719.8	2307.6	2137.1	2146.2	2203.8	2319.5	2313.8	2431.9	2781.4
44°	2915.4	2939.3	2767.1	2312.7	2198.7	2271.6	2407.3	2480.9	2399.9	2424.5	2778.5
45°	2913.1	2914.8	2699.9	2319.5	2251.1	2376.6	2498.0	2622.3	2475.8	2408.5	2816.2
47.5°	2846.4	2827.0	2642.8	2268.8	2414.8	2653.7	2766.0	2841.3	2569.3	2374.3	2769.4
50°	2714.7	2692.4	2504.3	2247.1	2449.0	2825.9	2981.0	3008.3	2654.2	2340.6	2723.2
52.5°	2723.8	2717.5	2543.6	2279.6	2483.2	2880.0	3128.6	3135.5	2750.6	2411.3	2723.8
55°	2886.9	2865.2	2656.5	2320.1	2458.1	2816.7	3034.6	3022.6	2718.1	2368.6	2774.0
57.5°	2641.7	2655.9	2500.3	2159.9	2151.3	2289.9	2385.7	2356.0	2268.2	2137.6	2580.7
60°	2131.4	2171.9	2186.7	1806.4	1623.3	1552.1	1523.5	1471.1	1485.9	1756.2	2267.1
62.5°	1828.0	1825.8	1918.7	1637.6	1063.4	914.6	900.9	912.9	1083.9	1728.8	2220.3
65°	1449.4	1488.2	1516.7	1387.8	841.6	679.1	678.5	754.4	938.0	1444.9	1792.7
67.5°	920.3	971.0	1006.4	887.8	562.8	483.5	470.4	561.6	650.0	947.7	1079.4
70°	518.9	542.8	558.8	512.0	358.1	250.9	236.1	257.7	392.9	613.5	639.8
72.5°	200.1	211.0	232.6	234.3	135.1	81.0	65.6	78.7	165.4	242.9	231.5
75°	30.8	33.1	46.8	55.9	38.8	29.6	31.4	32.5	46.2	62.7	52.5
77.5°	14.8	14.8	14.3	16.5	19.4	21.1	22.8	25.1	27.4	30.2	29.1
80°	9.7	9.7	9.7	11.4	14.3	17.1	19.4	20.5	21.7	23.9	22.8
82.5°	6.3	6.3	6.3	8.6	11.4	14.3	15.4	18.2	20.5	23.9	22.2
85°	3.4	3.4	3.4	5.7	8.6	12.0	11.4	9.1	5.1	0.6	1.1
87.5°	1.1	1.1	1.1	1.1	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°	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9
2.5°	1792.7	1766.5	1764.2	1710.6	1662.7	1639.3	1620.5	1568.0	1579.4	1549.2	1548.6
5°	1706.0	1652.4	1565.7	1494.5	1423.2	1408.9	1346.8	1292.6	1294.3	1255.6	1262.4
7.5°	1550.3	1513.3	1407.8	1296.0	1201.4	1134.1	1075.4	1040.0	995.0	979.6	971.6
10°	1451.7	1406.1	1287.5	1147.2	1041.2	1005.2	948.8	917.4	871.3	848.4	832.5
12.5°	1408.4	1341.7	1193.4	1050.9	980.2	943.1	895.2	838.2	783.4	762.3	733.3
15°	1412.9	1333.1	1166.0	1012.1	927.1	855.3	812.5	749.2	693.4	656.3	635.2
17.5°	1481.9	1385.0	1178.6	982.4	860.4	770.3	686.5	618.1	573.6	545.7	538.8
20°	1645.0	1513.3	1199.7	934.5	793.7	681.4	578.2	506.9	472.7	472.1	472.7
22.5°	1780.7	1650.1	1242.4	906.0	727.0	567.3	464.7	441.9	435.1	449.3	451.0
25°	1963.7	1804.1	1316.0	891.2	665.4	483.5	420.2	411.7	411.1	429.4	429.9
27.5°	2151.3	1938.6	1359.9	847.9	602.7	440.2	393.4	391.7	400.8	420.2	418.5
30°	2279.1	2051.5	1439.2	796.0	528.6	402.0	382.6	384.9	397.4	412.2	414.5
32.5°	2427.9	2162.7	1459.7	767.5	483.0	370.1	356.4	361.5	377.5	400.8	413.4
35°	2598.4	2241.4	1491.0	728.7	465.8	345.5	338.7	344.4	363.8	379.2	392.9
37.5°	2724.4	2380.5	1496.8	698.5	447.0	331.9	321.0	339.8	351.2	372.9	379.7
40°	2817.9	2481.5	1511.6	679.7	432.2	314.2	314.2	326.7	342.1	362.1	375.8
42.5°	2877.8	2555.0	1522.4	662.6	403.7	309.0	306.2	318.7	339.3	358.6	364.9
44°	2914.2	2586.4	1511.6	646.6	395.7	302.8	302.8	313.6	329.6	352.4	359.8
45°	2923.4	2625.7	1487.6	646.0	386.0	295.4	294.2	314.7	325.6	353.5	358.1
47.5°	2958.7	2674.2	1490.5	627.8	362.6	277.7	297.6	306.8	316.5	341.0	356.4
50°	2957.6	2704.4	1484.2	601.0	345.5	257.7	290.8	301.1	310.8	335.8	342.1
52.5°	2965.6	2817.3	1541.8	558.2	314.7	232.1	268.0	290.8	302.8	323.9	337.0
55°	2961.6	2881.7	1598.8	526.3	271.4	216.7	248.6	275.4	292.5	314.7	321.0
57.5°	2705.0	2547.0	1479.6	466.4	224.7	198.4	221.2	259.4	281.1	303.9	311.9
60°	2210.1	1963.2	1220.2	343.3	184.7	182.5	205.8	254.3	263.4	283.4	297.1
62.5°	2042.4	1722.0	967.6	262.3	157.9	167.1	189.9	229.8	244.0	268.6	281.1
65°	1598.2	1143.8	599.3	177.3	139.1	150.0	171.6	201.3	224.7	247.5	262.3
67.5°	946.5	624.9	296.5	124.3	121.5	132.9	155.1	177.3	204.1	229.2	236.6
70°	515.5	307.3	126.6	94.7	103.2	113.5	135.1	150.5	176.2	195.6	208.1
72.5°	165.4	93.5	63.3	70.1	78.7	90.7	103.8	122.6	140.8	152.2	162.5
75°	39.9	39.3	45.0	49.0	57.0	66.1	77.0	86.7	100.9	111.8	120.9
77.5°	27.9	30.2	34.8	40.5	43.3	46.8	53.6	61.0	67.3	75.3	81.0
80°	21.7	23.4	26.8	29.6	32.5	35.4	38.8	41.6	45.6	50.7	53.6
82.5°	20.5	21.7	25.1	26.8	25.7	25.1	27.4	28.5	29.1	30.8	32.5
85°	1.7	0.0	1.1	4.0	9.7	14.3	15.4	15.4	14.8	16.0	16.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.3	1.7
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°	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9
2.5°	1541.8	1522.4	1529.8	1538.9	1525.8	1495.6	1503.6	1500.2	1531.0	1528.7	1559.5
5°	1292.6	1262.4	1265.8	1310.3	1296.0	1311.4	1280.6	1276.7	1282.4	1285.2	1290.3
7.5°	989.3	985.3	1019.5	1057.1	1074.8	1056.6	1026.3	1019.5	1013.2	1000.7	1029.2
10°	807.4	808.5	806.2	834.8	854.7	850.7	832.5	830.2	818.2	813.7	829.6
12.5°	720.7	705.3	697.9	688.8	704.2	714.4	706.5	700.8	701.3	707.0	709.3
15°	636.9	627.2	611.2	601.0	608.4	603.3	600.4	611.8	609.0	607.8	621.5
17.5°	542.8	550.8	549.7	538.3	548.0	544.0	543.4	535.4	524.6	516.6	521.2
20°	480.7	495.5	506.9	507.5	512.6	512.0	503.5	479.0	471.0	469.3	470.4
22.5°	458.4	466.4	480.1	499.5	499.5	490.4	480.1	451.6	444.2	436.2	432.8
25°	440.8	456.2	473.8	476.1	485.2	476.7	460.1	445.9	430.5	419.7	419.7
27.5°	431.6	448.7	461.9	465.8	478.4	471.5	454.4	436.2	417.9	417.4	407.7
30°	427.6	443.6	452.2	461.9	467.6	456.7	451.6	432.2	414.0	409.4	393.4
32.5°	415.7	438.5	454.4	452.2	456.7	452.2	444.7	428.8	408.3	398.0	396.3
35°	402.0	424.8	441.9	453.9	456.7	447.0	442.5	420.8	392.9	387.7	370.1
37.5°	394.6	408.3	429.4	448.7	452.7	447.6	432.2	410.0	382.0	376.3	360.9
40°	385.4	403.1	419.7	435.6	447.6	435.1	417.4	395.7	383.2	366.1	361.5
42.5°	378.6	398.6	412.2	429.9	443.6	427.1	406.5	391.7	374.0	362.6	349.5
44°	376.3	394.6	403.7	425.4	436.8	424.2	407.1	391.7	371.2	360.9	349.5
45°	368.3	393.4	403.1	422.5	432.2	421.9	400.3	384.9	370.1	357.5	345.5
47.5°	360.4	377.5	394.0	409.4	416.2	412.8	394.6	375.8	358.1	350.7	339.3
50°	358.1	375.2	390.6	404.8	412.8	406.0	389.4	371.2	350.7	338.7	329.0
52.5°	346.7	367.8	384.9	389.4	399.7	395.7	383.2	363.2	343.8	333.6	325.6
55°	330.1	352.4	375.8	381.5	396.3	390.0	371.2	352.4	335.8	320.4	310.2
57.5°	323.9	345.5	368.3	375.8	384.9	374.6	370.1	350.1	323.9	315.9	299.9
60°	307.9	335.3	354.1	371.2	371.8	368.9	360.9	338.1	316.5	301.6	290.2
62.5°	295.4	321.0	335.8	351.8	361.5	353.5	345.5	324.4	301.1	284.5	271.4
65°	277.1	300.5	313.0	322.7	333.6	332.4	318.7	303.3	278.8	265.7	253.2
67.5°	249.2	269.7	286.8	295.9	302.8	301.1	290.8	280.0	254.9	241.8	232.6
70°	215.5	236.6	247.5	252.6	259.4	262.9	254.9	249.7	227.5	210.4	201.8
72.5°	173.3	187.0	203.0	207.5	210.4	212.7	212.7	208.1	185.3	178.5	163.6
75°	127.7	138.6	150.5	150.5	155.7	156.2	157.4	154.5	137.4	128.3	124.9
77.5°	86.7	94.7	104.3	108.3	111.8	111.2	110.6	102.6	93.5	89.5	86.1
80°	56.4	64.4	69.0	74.1	77.5	77.0	78.1	72.4	68.4	61.6	62.7
82.5°	33.6	39.9	44.5	50.7	50.7	52.5	52.5	50.7	46.8	43.3	43.3
85°	16.0	21.1	23.9	27.9	30.2	30.8	27.4	23.4	19.4	17.7	19.4
87.5°	2.9	4.0	5.7	5.1	6.3	5.7	5.7	5.7	5.7	4.6	5.1
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: P526312

CATALOG NUMBER: GALN-SA1B-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9	1741.9
2.5°	1548.1	1576.6	1596.5	1629.6	1686.6	1732.2	1779.0	1813.8	1817.8	1828.0
5°	1309.2	1324.6	1375.3	1441.4	1488.2	1565.2	1614.8	1704.9	1738.5	1774.4
7.5°	1022.4	1047.4	1115.3	1159.8	1262.4	1358.8	1458.5	1569.7	1614.2	1619.3
10°	862.1	898.6	944.8	1016.1	1072.0	1179.2	1303.5	1427.2	1476.8	1485.3
12.5°	757.2	804.0	865.5	916.9	970.5	1064.0	1183.1	1336.0	1400.4	1439.2
15°	656.3	704.8	772.6	843.9	891.2	1003.0	1143.2	1315.4	1399.2	1433.5
17.5°	552.5	597.6	653.4	730.4	825.6	951.1	1137.0	1383.9	1475.7	1515.6
20°	463.6	488.7	553.7	632.9	752.1	898.1	1139.2	1484.8	1619.3	1637.0
22.5°	428.8	434.5	460.1	533.1	663.7	843.9	1179.7	1627.9	1780.7	1838.9
25°	402.0	400.8	407.7	456.7	599.3	822.8	1219.6	1759.6	1959.7	2023.0
27.5°	387.2	375.8	376.3	422.5	553.7	788.6	1271.0	1910.7	2162.7	2190.7
30°	379.7	377.5	370.6	389.4	504.0	737.3	1279.5	2059.5	2282.5	2323.0
32.5°	375.2	352.9	344.4	351.2	457.3	681.4	1311.4	2157.6	2430.7	2413.0
35°	352.4	332.4	326.7	333.6	424.2	650.0	1290.3	2243.1	2541.9	2571.6
37.5°	343.8	326.1	314.7	309.0	393.4	623.8	1279.5	2374.8	2649.7	2720.9
40°	335.8	317.0	303.3	297.6	369.5	589.0	1276.1	2476.3	2774.0	2816.7
42.5°	326.7	314.7	299.4	289.1	340.4	554.2	1236.7	2507.7	2812.2	2858.4
44°	323.9	305.6	289.7	286.2	329.0	536.5	1228.8	2536.2	2845.3	2915.4
45°	321.0	303.9	285.7	281.1	325.0	526.9	1217.9	2543.0	2900.0	2913.1
47.5°	313.0	302.2	284.5	272.0	316.5	505.8	1185.4	2504.3	2844.1	2846.4
50°	306.8	294.2	276.0	251.5	305.1	488.1	1200.3	2490.0	2709.5	2714.7
52.5°	299.9	281.1	270.8	228.6	286.2	473.3	1231.6	2554.5	2724.9	2723.8
55°	291.9	271.4	246.3	209.3	254.9	454.4	1307.4	2681.6	2867.5	2886.9
57.5°	279.4	261.7	225.8	192.2	219.0	418.5	1282.9	2438.1	2638.3	2641.7
60°	262.9	246.3	204.7	179.0	179.6	330.1	1147.2	1899.9	2081.8	2131.4
62.5°	246.9	237.8	187.0	160.2	152.8	262.9	969.9	1578.9	1787.0	1828.0
65°	228.1	205.8	171.6	146.0	131.1	184.2	687.1	1179.7	1394.1	1449.4
67.5°	204.1	180.2	151.1	128.3	112.3	123.2	354.7	670.5	887.8	920.3
70°	178.5	156.2	127.2	108.3	90.7	85.0	156.2	319.9	485.2	518.9
72.5°	146.5	126.0	101.5	85.5	67.9	58.7	52.5	85.5	172.2	200.1
75°	106.1	91.8	76.4	61.0	47.9	37.6	30.8	25.7	28.5	30.8
77.5°	78.1	66.7	56.4	43.3	33.6	26.8	21.1	16.0	15.4	14.8
80°	61.0	54.2	45.0	34.8	26.2	20.0	14.8	10.8	9.7	9.7
82.5°	47.9	44.5	37.1	28.5	21.7	16.0	10.8	7.4	6.3	6.3
85°	18.2	18.2	26.8	23.4	16.5	11.4	7.4	4.0	3.4	3.4
87.5°	4.6	4.6	4.6	4.6	4.0	3.4	3.4	1.7	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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