

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: P526936

Luminaire Tested: **GALN-SA1D-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526936
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-SA1D-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 4633 lumens
Efficiency: N/A
Efficacy: 71.3 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): 65
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



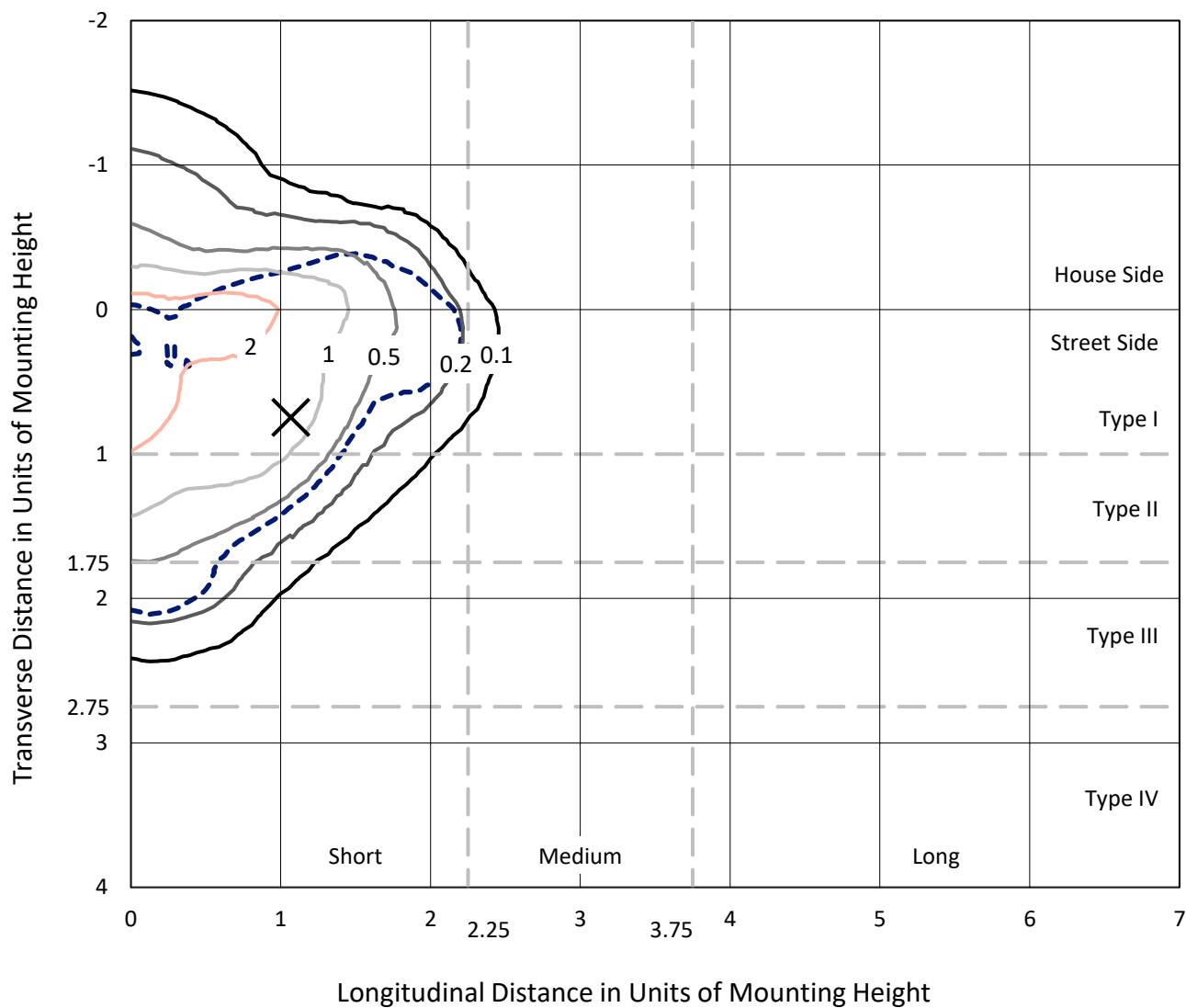
REPORT NUMBER: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



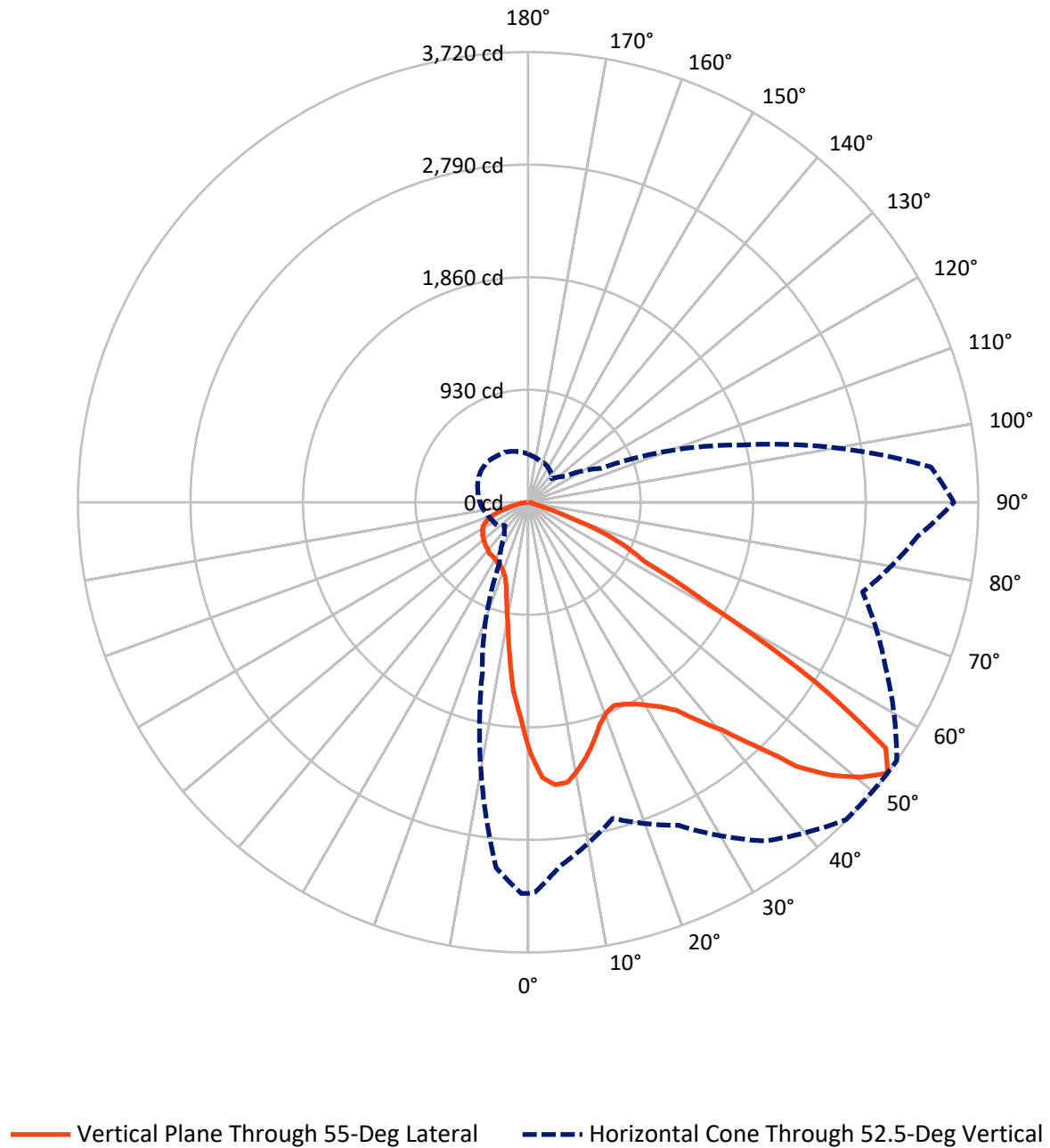
Based on 25 foot mounting height. Maximum calculated value = 3.5 fc

Type II - Short - N/A

REPORT NUMBER: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

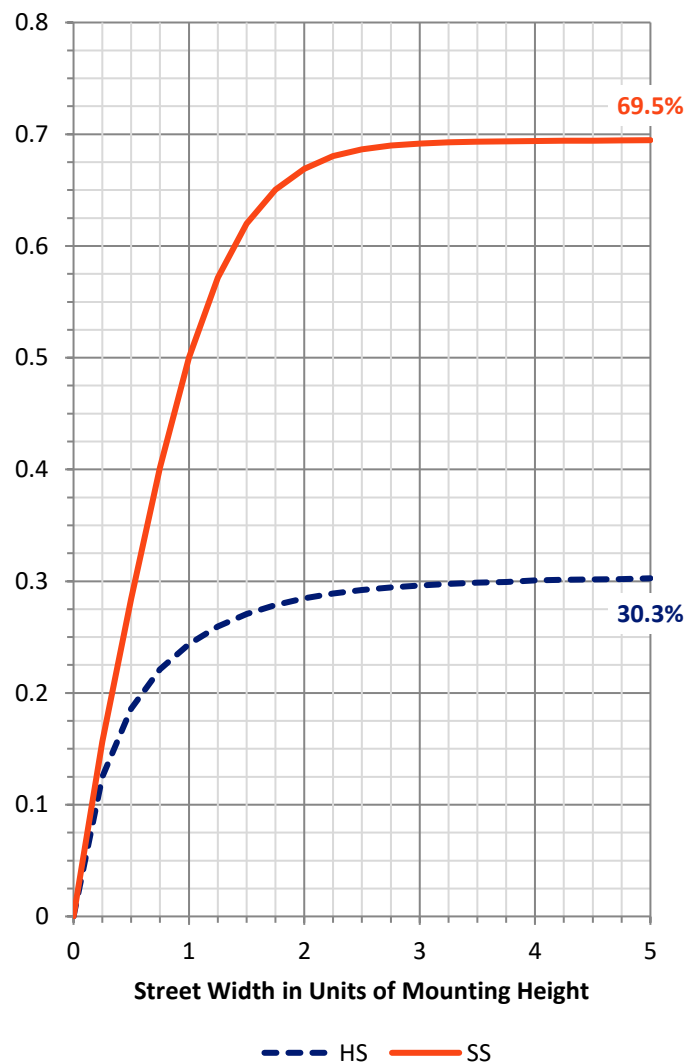
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1413.3	0.0	1413.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	3219.7	0.0	3219.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	4633.0	0.0	4633.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	3.4
10°-20°	340.4	7.3
20°-30°	516.2	11.1
30°-40°	745.8	16.1
40°-50°	996.6	21.5
50°-60°	1112.5	24.0
60°-70°	610.2	13.2
70°-80°	131.9	2.8
80°-90°	21.3	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°	4633.0	100.0
0°-180°	4633.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526936

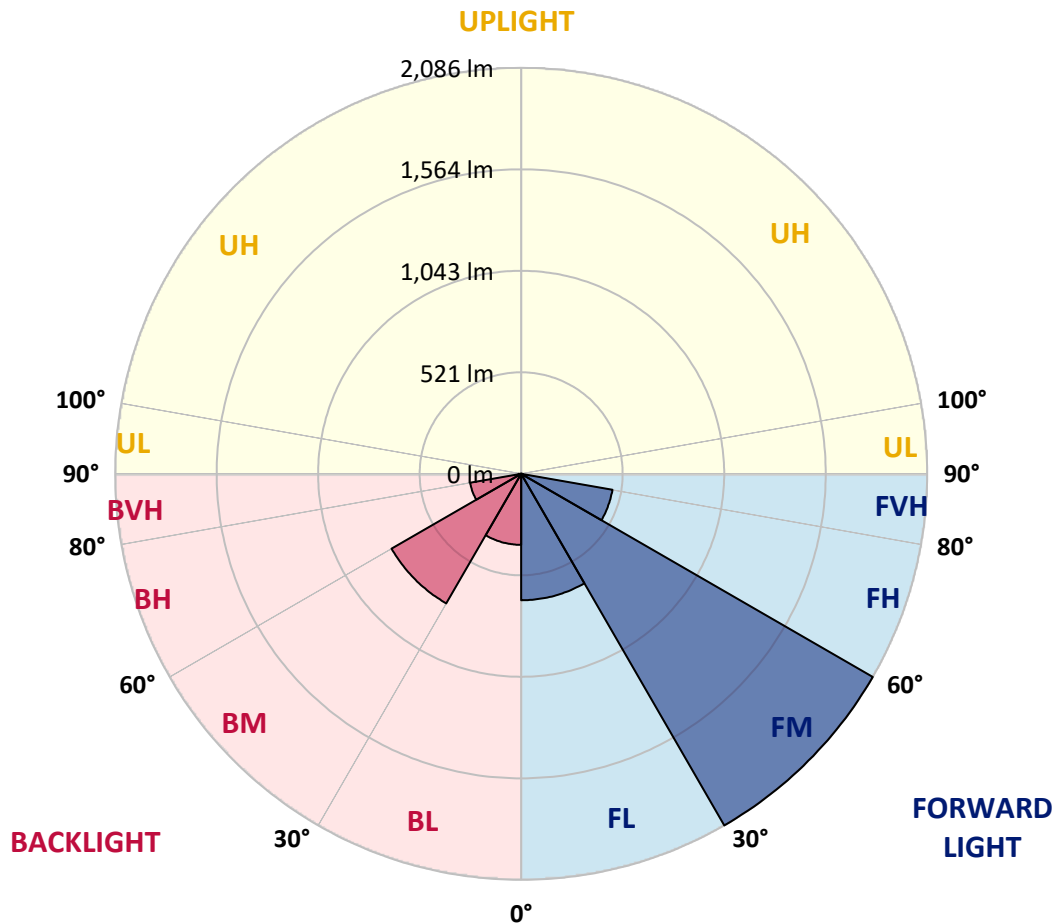
CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	649.6	14.0			
FM	(30°-60°)	2086.0	45.0			
FH	(60°-80°)	476.2	10.3			G0/660
FVH	(80°-90°)	7.9	0.2			G0/10
BL	(0°-30°)	364.9	7.9	B1/500		
BM	(30°-60°)	769.0	16.6	B1/1000		
BH	(60°-80°)	266.0	5.7	B1/500		G1/500
BVH	(80°-90°)	13.4	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



REPORT NUMBER: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7
2.5°	2168.8	2156.6	2167.5	2218.9	2248.7	2268.9	2281.8	2279.8	2231.1	2183.7	2183.7
5°	2105.2	2089.7	2112.0	2228.4	2345.4	2355.5	2372.4	2344.7	2273.0	2186.4	2078.2
7.5°	1921.2	1932.7	1969.9	2122.8	2275.0	2351.5	2371.8	2336.6	2220.2	2058.6	1899.6
10°	1762.3	1789.3	1875.2	2040.3	2180.3	2279.8	2302.1	2252.7	2160.7	1962.5	1820.4
12.5°	1707.5	1690.5	1785.9	1951.0	2084.9	2138.4	2148.5	2151.9	2089.7	1913.8	1740.6
15°	1700.7	1711.5	1785.9	1911.1	1993.6	1996.3	2013.2	2039.6	2047.7	1946.9	1777.8
17.5°	1798.1	1785.3	1861.7	1961.1	1921.9	1882.7	1886.7	1924.6	1991.6	1975.4	1894.8
20°	1942.2	1971.3	2031.5	2021.4	1915.8	1816.4	1817.1	1852.9	1984.8	2093.1	2057.9
22.5°	2181.7	2210.1	2254.7	2132.3	1915.8	1796.8	1773.8	1822.5	2028.1	2233.1	2241.9
25°	2400.2	2452.3	2464.5	2320.4	2011.9	1815.0	1800.1	1848.2	2071.4	2369.7	2453.0
27.5°	2599.1	2618.0	2671.5	2441.5	2065.3	1827.2	1825.8	1887.4	2126.2	2438.1	2641.7
30°	2756.0	2754.0	2784.4	2517.9	2150.6	1895.5	1829.9	1946.3	2197.9	2551.0	2816.2
32.5°	2862.9	2885.9	2950.2	2624.1	2186.4	1960.5	1909.1	2015.3	2285.2	2604.5	2939.3
35°	3051.0	3090.9	3009.7	2683.0	2300.1	2024.7	1964.5	2109.3	2328.5	2662.7	3090.2
37.5°	3228.2	3197.8	3115.2	2714.8	2373.8	2143.8	2087.6	2291.3	2463.1	2789.2	3190.3
40°	3341.9	3341.2	3194.4	2740.5	2425.9	2325.8	2322.4	2476.0	2628.2	2869.0	3302.6
42.5°	3391.2	3438.6	3226.9	2737.8	2535.5	2546.3	2614.6	2752.0	2745.2	2885.2	3299.9
44°	3458.9	3487.3	3283.0	2743.8	2608.5	2695.1	2856.1	2943.4	2847.3	2876.4	3296.5
45°	3456.2	3458.2	3203.2	2752.0	2670.8	2819.6	2963.7	3111.2	2937.3	2857.5	3341.2
47.5°	3377.0	3354.0	3135.5	2691.8	2864.9	3148.4	3281.7	3370.9	3048.3	2816.9	3285.7
50°	3220.8	3194.4	2971.1	2666.0	2905.5	3352.7	3536.7	3569.2	3149.1	2777.0	3230.9
52.5°	3231.6	3224.2	3017.8	2704.6	2946.1	3417.0	3711.9	3720.0	3263.4	2860.9	3231.6
55°	3425.1	3399.4	3151.8	2752.6	2916.3	3341.9	3600.3	3586.1	3224.8	2810.1	3291.1
57.5°	3134.2	3151.1	2966.4	2562.5	2552.4	2716.8	2830.4	2795.3	2691.1	2536.2	3061.8
60°	2528.7	2576.7	2594.3	2143.1	1926.0	1841.4	1807.6	1745.3	1762.9	2083.6	2689.7
62.5°	2168.8	2166.1	2276.4	1942.9	1261.7	1085.1	1068.9	1083.1	1286.0	2051.1	2634.3
65°	1719.6	1765.6	1799.5	1646.6	998.5	805.7	805.0	895.0	1112.8	1714.2	2126.9
67.5°	1091.9	1152.1	1194.0	1053.3	667.7	573.7	558.1	666.3	771.2	1124.3	1280.6
70°	615.6	644.0	663.0	607.5	424.8	297.7	280.1	305.8	466.1	727.9	759.0
72.5°	237.4	250.3	276.0	278.0	160.3	96.1	77.8	93.4	196.2	288.2	274.7
75°	36.5	39.2	55.5	66.3	46.0	35.2	37.2	38.6	54.8	74.4	62.2
77.5°	17.6	17.6	16.9	19.6	23.0	25.0	27.1	29.8	32.5	35.9	34.5
80°	11.5	11.5	11.5	13.5	16.9	20.3	23.0	24.4	25.7	28.4	27.1
82.5°	7.4	7.4	7.4	10.1	13.5	16.9	18.3	21.6	24.4	28.4	26.4
85°	4.1	4.1	4.1	6.8	10.1	14.2	13.5	10.8	6.1	0.7	1.4
87.5°	1.4	1.4	1.4	1.4	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

REPORT NUMBER: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7
2.5°	2126.9	2095.8	2093.1	2029.5	1972.6	1944.9	1922.6	1860.3	1873.9	1838.0	1837.3
5°	2024.1	1960.5	1857.6	1773.1	1688.5	1671.6	1597.9	1533.6	1535.6	1489.6	1497.7
7.5°	1839.4	1795.4	1670.3	1537.7	1425.4	1345.5	1275.9	1233.9	1180.5	1162.2	1152.7
10°	1722.3	1668.2	1527.5	1361.1	1235.3	1192.7	1125.7	1088.5	1033.7	1006.6	987.7
12.5°	1670.9	1591.8	1415.9	1246.8	1162.9	1118.9	1062.1	994.4	929.5	904.5	870.0
15°	1676.3	1581.6	1383.4	1200.8	1100.0	1014.7	964.0	888.9	822.6	778.6	753.6
17.5°	1758.2	1643.2	1398.3	1165.6	1020.8	913.9	814.5	733.3	680.5	647.4	639.3
20°	1951.7	1795.4	1423.3	1108.8	941.7	808.4	686.0	601.4	560.8	560.1	560.8
22.5°	2112.7	1957.8	1474.1	1074.9	862.5	673.1	551.3	524.3	516.2	533.1	535.1
25°	2329.8	2140.4	1561.3	1057.4	789.5	573.7	498.6	488.4	487.7	509.4	510.1
27.5°	2552.4	2300.1	1613.4	1005.9	715.0	522.3	466.8	464.7	475.6	498.6	496.5
30°	2703.9	2434.0	1707.5	944.4	627.1	476.9	453.9	456.6	471.5	489.1	491.8
32.5°	2880.5	2565.9	1731.8	910.6	573.0	439.0	422.8	428.9	447.8	475.6	490.5
35°	3082.8	2659.3	1769.0	864.6	552.7	410.0	401.8	408.6	431.6	449.9	466.1
37.5°	3232.3	2824.3	1775.8	828.7	530.4	393.7	380.9	403.2	416.7	442.4	450.5
40°	3343.2	2944.1	1793.4	806.4	512.8	372.7	372.7	387.6	405.9	429.6	445.8
42.5°	3414.2	3031.4	1806.2	786.1	479.0	366.7	363.3	378.2	402.5	425.5	433.0
44°	3457.5	3068.6	1793.4	767.1	469.5	359.2	359.2	372.1	391.0	418.1	426.9
45°	3468.4	3115.2	1765.0	766.5	458.0	350.4	349.1	373.4	386.3	419.4	424.8
47.5°	3510.3	3172.7	1768.3	744.8	430.2	329.5	353.1	364.0	375.5	404.5	422.8
50°	3509.0	3208.6	1760.9	713.0	410.0	305.8	345.0	357.2	368.7	398.5	405.9
52.5°	3518.4	3342.5	1829.2	662.3	373.4	275.3	318.0	345.0	359.2	384.2	399.8
55°	3513.7	3419.0	1896.9	624.4	322.0	257.1	294.9	326.7	347.0	373.4	380.9
57.5°	3209.3	3021.9	1755.5	553.4	266.5	235.4	262.5	307.8	333.5	360.6	370.0
60°	2622.1	2329.2	1447.7	407.2	219.2	216.5	244.2	301.7	312.5	336.2	352.5
62.5°	2423.2	2043.0	1148.0	311.2	187.4	198.2	225.3	272.6	289.5	318.6	333.5
65°	1896.2	1357.0	711.0	210.4	165.1	177.9	203.6	238.8	266.5	293.6	311.2
67.5°	1123.0	741.4	351.8	147.5	144.1	157.6	184.0	210.4	242.2	271.9	280.7
70°	611.5	364.6	150.2	112.3	122.4	134.6	160.3	178.6	209.0	232.0	246.9
72.5°	196.2	110.9	75.1	83.2	93.4	107.6	123.1	145.4	167.1	180.6	192.8
75°	47.4	46.7	53.4	58.2	67.6	78.5	91.3	102.8	119.7	132.6	143.4
77.5°	33.1	35.9	41.3	48.0	51.4	55.5	63.6	72.4	79.8	89.3	96.1
80°	25.7	27.7	31.8	35.2	38.6	41.9	46.0	49.4	54.1	60.2	63.6
82.5°	24.4	25.7	29.8	31.8	30.4	29.8	32.5	33.8	34.5	36.5	38.6
85°	2.0	0.0	1.4	4.7	11.5	16.9	18.3	18.3	17.6	18.9	18.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	2.0
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: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7
2.5°	1829.2	1806.2	1815.0	1825.8	1810.3	1774.4	1783.9	1779.8	1816.4	1813.7	1850.2
5°	1533.6	1497.7	1501.8	1554.6	1537.7	1555.9	1519.4	1514.7	1521.4	1524.8	1530.9
7.5°	1173.7	1169.0	1209.6	1254.2	1275.2	1253.5	1217.7	1209.6	1202.1	1187.2	1221.1
10°	957.9	959.3	956.6	990.4	1014.1	1009.3	987.7	985.0	970.8	965.4	984.3
12.5°	855.1	836.8	828.0	817.2	835.5	847.6	838.2	831.4	832.1	838.8	841.6
15°	755.6	744.1	725.2	713.0	721.8	715.7	712.3	725.9	722.5	721.1	737.4
17.5°	644.0	653.5	652.1	638.6	650.1	645.4	644.7	635.2	622.4	612.9	618.3
20°	570.3	587.9	601.4	602.1	608.2	607.5	597.3	568.3	558.8	556.8	558.1
22.5°	543.9	553.4	569.6	592.6	592.6	581.8	569.6	535.8	527.0	517.5	513.5
25°	522.9	541.2	562.2	564.9	575.7	565.5	545.9	529.0	510.7	497.9	497.9
27.5°	512.1	532.4	548.0	552.7	567.6	559.5	539.2	517.5	495.9	495.2	483.7
30°	507.4	526.3	536.5	548.0	554.7	541.9	535.8	512.8	491.1	485.7	466.8
32.5°	493.2	520.2	539.2	536.5	541.9	536.5	527.7	508.7	484.4	472.2	470.2
35°	476.9	504.0	524.3	538.5	541.9	530.4	525.0	499.2	466.1	460.0	439.0
37.5°	468.1	484.4	509.4	532.4	537.1	531.0	512.8	486.4	453.2	446.5	428.2
40°	457.3	478.3	497.9	516.8	531.0	516.2	495.2	469.5	454.6	434.3	428.9
42.5°	449.2	472.9	489.1	510.1	526.3	506.7	482.3	464.7	443.8	430.2	414.7
44°	446.5	468.1	479.0	504.7	518.2	503.3	483.0	464.7	440.4	428.2	414.7
45°	437.0	466.8	478.3	501.3	512.8	500.6	474.9	456.6	439.0	424.2	410.0
47.5°	427.5	447.8	467.5	485.7	493.8	489.8	468.1	445.8	424.8	416.0	402.5
50°	424.8	445.1	463.4	480.3	489.8	481.7	462.0	440.4	416.0	401.8	390.3
52.5°	411.3	436.3	456.6	462.0	474.2	469.5	454.6	430.9	407.9	395.7	386.3
55°	391.7	418.1	445.8	452.6	470.2	462.7	440.4	418.1	398.5	380.2	368.0
57.5°	384.2	410.0	437.0	445.8	456.6	444.5	439.0	415.4	384.2	374.8	355.8
60°	365.3	397.8	420.1	440.4	441.1	437.7	428.2	401.2	375.5	357.9	344.3
62.5°	350.4	380.9	398.5	417.4	428.9	419.4	410.0	384.9	357.2	337.6	322.0
65°	328.8	356.5	371.4	382.9	395.7	394.4	378.2	359.9	330.8	315.2	300.4
67.5°	295.6	320.0	340.3	351.1	359.2	357.2	345.0	332.2	302.4	286.8	276.0
70°	255.7	280.7	293.6	299.7	307.8	311.9	302.4	296.3	269.9	249.6	239.5
72.5°	205.7	221.9	240.8	246.2	249.6	252.3	252.3	246.9	219.9	211.7	194.2
75°	151.5	164.4	178.6	178.6	184.7	185.4	186.7	183.3	163.0	152.2	148.2
77.5°	102.8	112.3	123.8	128.5	132.6	131.9	131.2	121.8	110.9	106.2	102.1
80°	67.0	76.4	81.9	87.9	92.0	91.3	92.7	85.9	81.2	73.1	74.4
82.5°	39.9	47.4	52.8	60.2	60.2	62.2	62.2	60.2	55.5	51.4	51.4
85°	18.9	25.0	28.4	33.1	35.9	36.5	32.5	27.7	23.0	21.0	23.0
87.5°	3.4	4.7	6.8	6.1	7.4	6.8	6.8	6.8	6.8	5.4	6.1
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: P526936

CATALOG NUMBER: GALN-SA1D-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7	2066.7
2.5°	1836.7	1870.5	1894.2	1933.4	2001.1	2055.2	2110.6	2151.9	2156.6	2168.8
5°	1553.2	1571.5	1631.7	1710.2	1765.6	1857.0	1915.8	2022.7	2062.6	2105.2
7.5°	1212.9	1242.7	1323.2	1376.0	1497.7	1612.1	1730.5	1862.4	1915.1	1921.2
10°	1022.9	1066.1	1120.9	1205.5	1271.8	1399.0	1546.5	1693.3	1752.1	1762.3
12.5°	898.4	953.9	1026.9	1087.8	1151.4	1262.3	1403.7	1585.0	1661.5	1707.5
15°	778.6	836.1	916.6	1001.2	1057.4	1189.9	1356.4	1560.7	1660.1	1700.7
17.5°	655.5	709.0	775.3	866.6	979.6	1128.4	1348.9	1641.8	1750.8	1798.1
20°	550.0	579.8	656.9	750.9	892.3	1065.5	1351.6	1761.6	1921.2	1942.2
22.5°	508.7	515.5	545.9	632.5	787.4	1001.2	1399.7	1931.4	2112.7	2181.7
25°	476.9	475.6	483.7	541.9	711.0	976.2	1447.0	2087.6	2325.1	2400.2
27.5°	459.3	445.8	446.5	501.3	656.9	935.6	1507.9	2266.9	2565.9	2599.1
30°	450.5	447.8	439.7	462.0	598.0	874.7	1518.0	2443.5	2708.0	2756.0
32.5°	445.1	418.7	408.6	416.7	542.5	808.4	1555.9	2559.8	2883.9	2862.9
35°	418.1	394.4	387.6	395.7	503.3	771.2	1530.9	2661.3	3015.8	3051.0
37.5°	407.9	387.0	373.4	366.7	466.8	740.1	1518.0	2817.6	3143.6	3228.2
40°	398.5	376.1	359.9	353.1	438.4	698.8	1514.0	2938.0	3291.1	3341.9
42.5°	387.6	373.4	355.2	343.0	403.9	657.5	1467.3	2975.2	3336.4	3391.2
44°	384.2	362.6	343.7	339.6	390.3	636.6	1457.8	3009.0	3375.7	3458.9
45°	380.9	360.6	338.9	333.5	385.6	625.1	1445.0	3017.1	3440.6	3456.2
47.5°	371.4	358.5	337.6	322.7	375.5	600.0	1406.4	2971.1	3374.3	3377.0
50°	364.0	349.1	327.4	298.3	361.9	579.1	1424.0	2954.2	3214.7	3220.8
52.5°	355.8	333.5	321.3	271.3	339.6	561.5	1461.2	3030.7	3232.9	3231.6
55°	346.4	322.0	292.2	248.3	302.4	539.2	1551.2	3181.5	3402.1	3425.1
57.5°	331.5	310.5	267.9	228.0	259.8	496.5	1522.1	2892.7	3130.1	3134.2
60°	311.9	292.2	242.9	212.4	213.1	391.7	1361.1	2254.1	2469.9	2528.7
62.5°	292.9	282.1	221.9	190.1	181.3	311.9	1150.7	1873.2	2120.1	2168.8
65°	270.6	244.2	203.6	173.2	155.6	218.5	815.2	1399.7	1654.0	1719.6
67.5°	242.2	213.8	179.3	152.2	133.3	146.1	420.8	795.6	1053.3	1091.9
70°	211.7	185.4	150.9	128.5	107.6	100.8	185.4	379.5	575.7	615.6
72.5°	173.9	149.5	120.4	101.5	80.5	69.7	62.2	101.5	204.3	237.4
75°	125.8	108.9	90.6	72.4	56.8	44.6	36.5	30.4	33.8	36.5
77.5°	92.7	79.1	67.0	51.4	39.9	31.8	25.0	18.9	18.3	17.6
80°	72.4	64.3	53.4	41.3	31.1	23.7	17.6	12.9	11.5	11.5
82.5°	56.8	52.8	44.0	33.8	25.7	18.9	12.9	8.8	7.4	7.4
85°	21.6	21.6	31.8	27.7	19.6	13.5	8.8	4.7	4.1	4.1
87.5°	5.4	5.4	5.4	5.4	4.7	4.1	4.1	2.0	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)