

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: P526702

Luminaire Tested: **GALN-SA1C-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526702
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-SA1C-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 4210 lumens
Efficiency: N/A
Efficacy: 73.9 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): 57
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

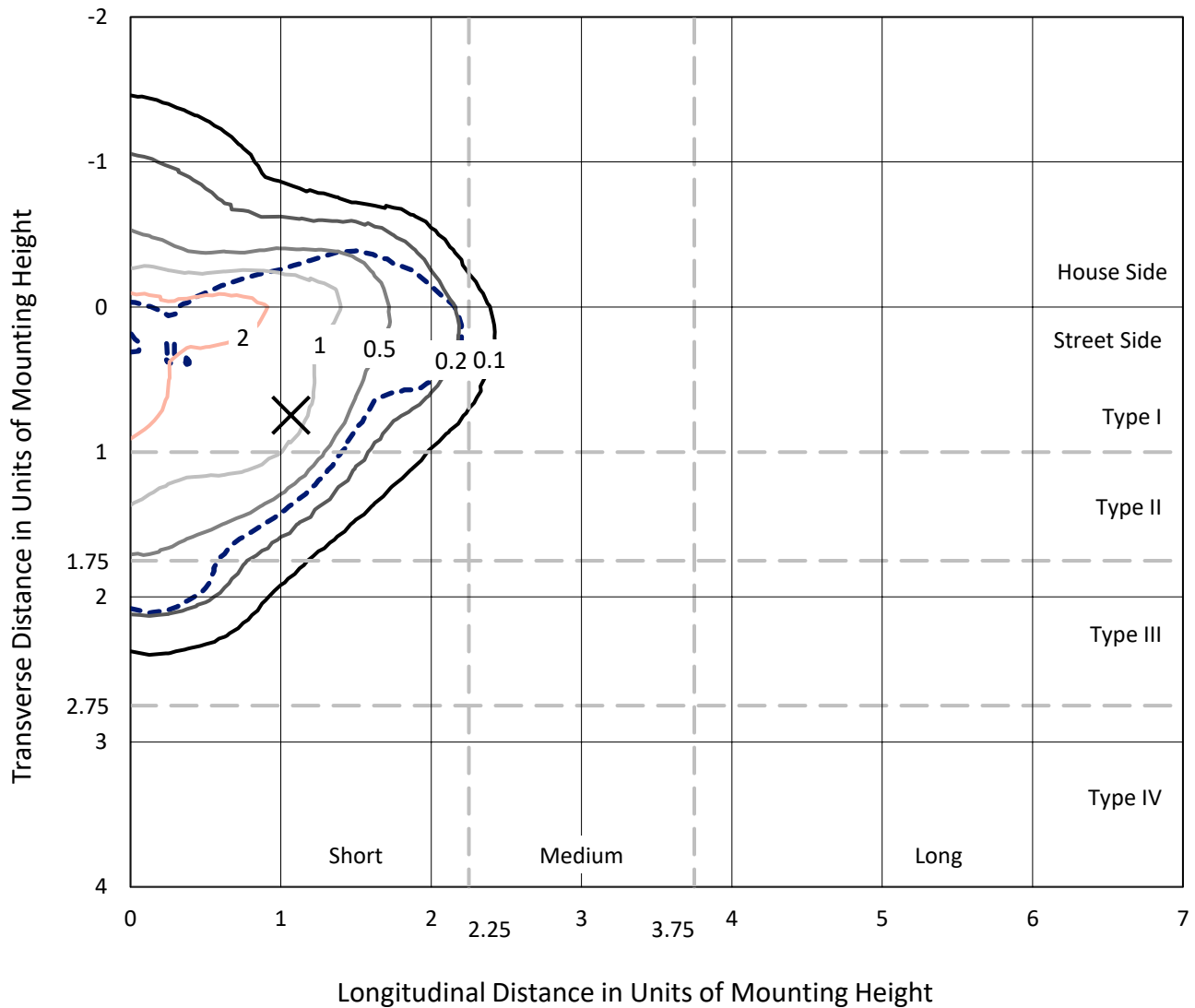


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

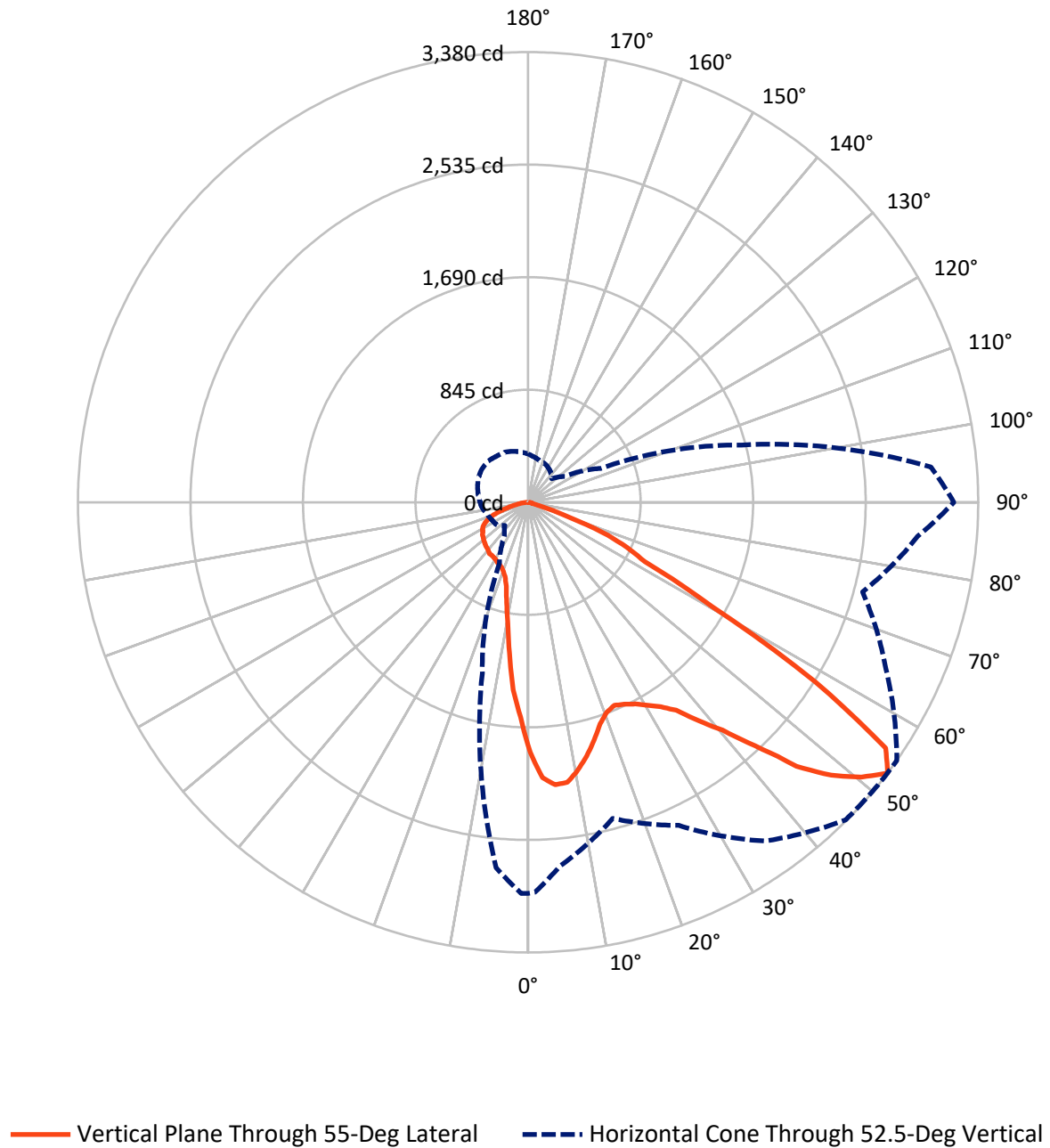


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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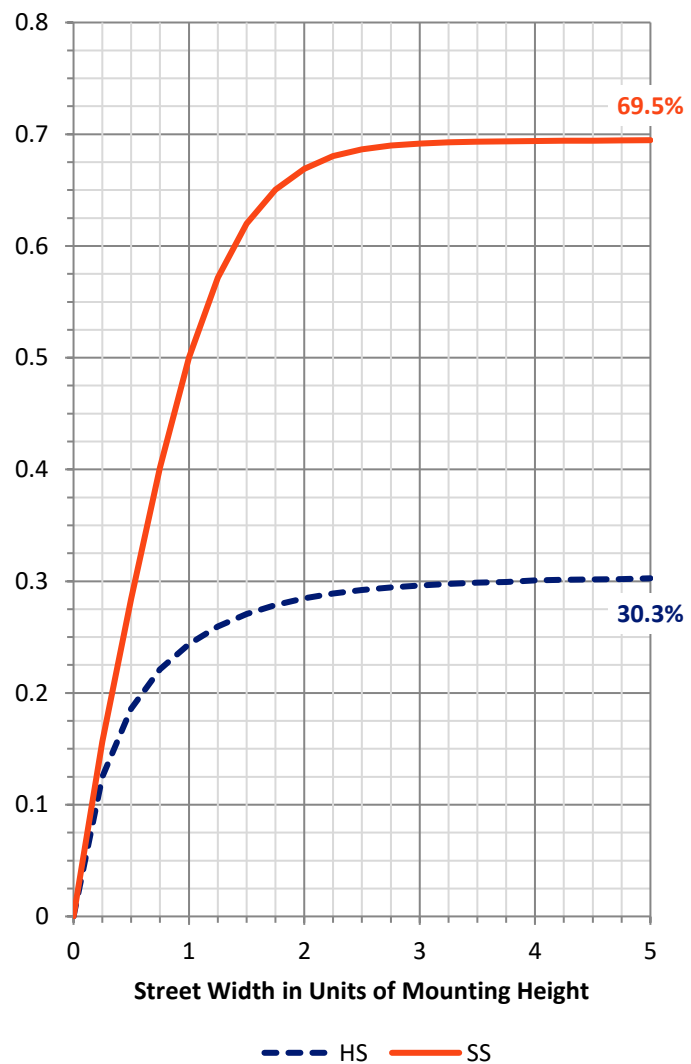
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1284.3	0.0	1284.3
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	2925.7	0.0	2925.7
	% Fixture	69.5	0.0	69.5
Total	Lumens	4210.0	0.0	4210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	3.4
10°-20°	309.3	7.3
20°-30°	469.1	11.1
30°-40°	677.7	16.1
40°-50°	905.6	21.5
50°-60°	1010.9	24.0
60°-70°	554.5	13.2
70°-80°	119.9	2.8
80°-90°	19.4	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°	4210.0	100.0
0°-180°	4210.0	100.0

Coefficient of Utilization



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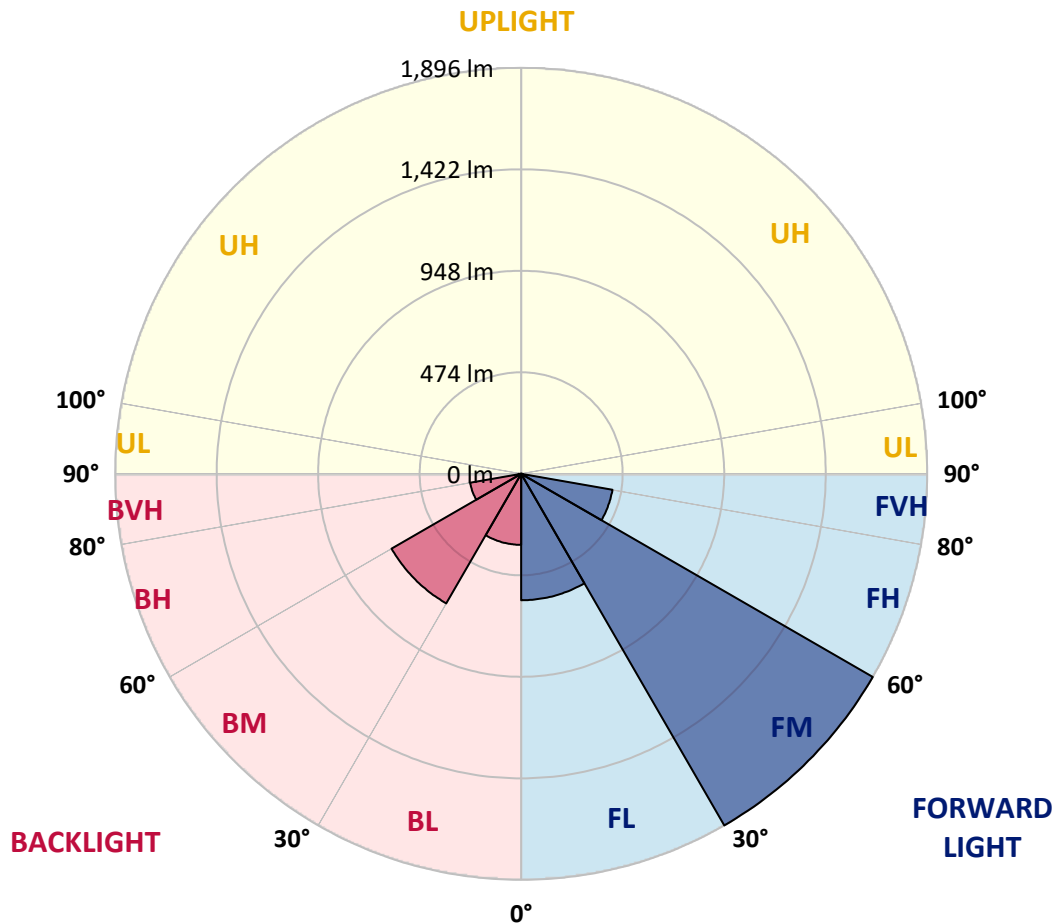
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	590.3	14.0			
FM	(30°-60°)	1895.5	45.0			
FH	(60°-80°)	432.7	10.3			G0/660
FVH	(80°-90°)	7.2	0.2			G0/10
BL	(0°-30°)	331.6	7.9	B1/500		
BM	(30°-60°)	698.8	16.6	B1/1000		
BH	(60°-80°)	241.7	5.7	B1/500		G1/500
BVH	(80°-90°)	12.2	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°	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0
2.5°	1970.8	1959.7	1969.6	2016.3	2043.3	2061.8	2073.5	2071.6	2027.4	1984.3	1984.3
5°	1913.0	1898.9	1919.2	2024.9	2131.3	2140.5	2155.8	2130.6	2065.5	1986.8	1888.4
7.5°	1745.8	1756.3	1790.1	1929.0	2067.3	2136.8	2155.2	2123.3	2017.5	1870.6	1726.1
10°	1601.4	1625.9	1704.0	1854.0	1981.3	2071.6	2091.9	2047.0	1963.4	1783.3	1654.2
12.5°	1551.6	1536.2	1622.9	1772.9	1894.6	1943.1	1952.4	1955.4	1898.9	1739.1	1581.7
15°	1545.4	1555.3	1622.9	1736.6	1811.6	1814.1	1829.4	1853.4	1860.8	1769.2	1615.5
17.5°	1633.9	1622.3	1691.7	1782.1	1746.4	1710.8	1714.5	1748.9	1809.8	1795.0	1721.8
20°	1764.9	1791.3	1846.0	1836.8	1740.9	1650.5	1651.2	1683.7	1803.6	1902.0	1870.0
22.5°	1982.5	2008.3	2048.9	1937.6	1740.9	1632.7	1611.8	1656.1	1842.9	2029.2	2037.2
25°	2181.0	2228.4	2239.4	2108.5	1828.2	1649.3	1635.8	1679.4	1882.3	2153.4	2229.0
27.5°	2361.8	2379.0	2427.6	2218.5	1876.8	1660.4	1659.1	1715.1	1932.1	2215.5	2400.5
30°	2504.4	2502.5	2530.2	2288.0	1954.2	1722.5	1662.8	1768.6	1997.2	2318.1	2559.1
32.5°	2601.5	2622.4	2680.8	2384.5	1986.8	1781.5	1734.8	1831.3	2076.5	2366.7	2671.0
35°	2772.4	2808.7	2734.9	2438.0	2090.1	1839.9	1785.2	1916.7	2115.9	2419.6	2808.1
37.5°	2933.5	2905.8	2830.8	2466.9	2157.1	1948.1	1897.0	2082.1	2238.2	2534.5	2899.0
40°	3036.7	3036.1	2902.7	2490.3	2204.4	2113.4	2110.4	2249.9	2388.2	2607.0	3001.1
42.5°	3081.6	3124.6	2932.2	2487.8	2304.0	2313.8	2375.9	2500.7	2494.6	2621.8	2998.6
44°	3143.1	3168.9	2983.3	2493.3	2370.4	2449.1	2595.4	2674.7	2587.4	2613.8	2995.6
45°	3140.6	3142.5	2910.7	2500.7	2426.9	2562.2	2693.1	2827.1	2669.1	2596.6	3036.1
47.5°	3068.7	3047.8	2849.3	2446.0	2603.4	2860.9	2982.0	3063.2	2770.0	2559.7	2985.7
50°	2926.7	2902.7	2699.9	2422.6	2640.2	3046.6	3213.8	3243.3	2861.5	2523.4	2935.9
52.5°	2936.5	2929.8	2742.3	2457.7	2677.1	3105.0	3373.0	3380.4	2965.4	2599.7	2936.5
55°	3112.4	3089.0	2864.0	2501.3	2650.1	3036.7	3271.6	3258.7	2930.4	2553.6	2990.6
57.5°	2848.0	2863.4	2695.6	2328.6	2319.4	2468.7	2572.0	2540.0	2445.4	2304.6	2782.2
60°	2297.8	2341.5	2357.5	1947.4	1750.1	1673.3	1642.5	1586.0	1602.0	1893.4	2444.1
62.5°	1970.8	1968.4	2068.6	1765.5	1146.5	986.0	971.3	984.2	1168.6	1863.8	2393.7
65°	1562.6	1604.4	1635.2	1496.2	907.3	732.1	731.5	813.3	1011.2	1557.7	1932.7
67.5°	992.2	1046.9	1085.0	957.1	606.7	521.3	507.1	605.5	700.8	1021.7	1163.7
70°	559.4	585.2	602.4	552.0	386.0	270.5	254.5	277.9	423.5	661.4	689.7
72.5°	215.8	227.4	250.8	252.7	145.7	87.3	70.7	84.8	178.3	261.9	249.6
75°	33.2	35.7	50.4	60.2	41.8	32.0	33.8	35.0	49.8	67.6	56.6
77.5°	16.0	16.0	15.4	17.8	20.9	22.7	24.6	27.0	29.5	32.6	31.4
80°	10.5	10.5	10.5	12.3	15.4	18.4	20.9	22.1	23.4	25.8	24.6
82.5°	6.8	6.8	6.8	9.2	12.3	15.4	16.6	19.7	22.1	25.8	24.0
85°	3.7	3.7	3.7	6.1	9.2	12.9	12.3	9.8	5.5	0.6	1.2
87.5°	1.2	1.2	1.2	1.2	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°	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0
2.5°	1932.7	1904.4	1902.0	1844.2	1792.5	1767.3	1747.0	1690.5	1702.8	1670.2	1669.6
5°	1839.3	1781.5	1688.0	1611.2	1534.4	1519.0	1452.0	1393.6	1395.4	1353.6	1361.0
7.5°	1671.4	1631.5	1517.8	1397.3	1295.2	1222.7	1159.4	1121.3	1072.7	1056.1	1047.5
10°	1565.1	1515.9	1388.0	1236.8	1122.5	1083.8	1022.9	989.1	939.3	914.7	897.5
12.5°	1518.4	1446.4	1286.6	1132.9	1056.7	1016.8	965.1	903.6	844.6	821.9	790.5
15°	1523.3	1437.2	1257.1	1091.1	999.5	922.1	876.0	807.7	747.5	707.5	684.8
17.5°	1597.7	1493.2	1270.6	1059.2	927.6	830.5	740.1	666.4	618.4	588.3	580.9
20°	1773.5	1631.5	1293.4	1007.5	855.7	734.6	623.3	546.5	509.6	509.0	509.6
22.5°	1919.8	1779.0	1339.5	976.8	783.8	611.7	501.0	476.4	469.0	484.4	486.2
25°	2117.1	1945.0	1418.8	960.8	717.4	521.3	453.1	443.8	443.2	462.9	463.5
27.5°	2319.4	2090.1	1466.1	914.1	649.8	474.6	424.2	422.3	432.2	453.1	451.2
30°	2457.1	2211.8	1551.6	858.2	569.9	433.4	412.5	414.9	428.5	444.4	446.9
32.5°	2617.5	2331.7	1573.7	827.4	520.7	399.0	384.2	389.7	406.9	432.2	445.7
35°	2801.3	2416.5	1607.5	785.6	502.2	372.5	365.1	371.3	392.2	408.8	423.5
37.5°	2937.2	2566.5	1613.7	753.0	481.9	357.8	346.1	366.4	378.7	402.0	409.4
40°	3038.0	2675.3	1629.6	732.8	466.0	338.7	338.7	352.2	368.8	390.4	405.1
42.5°	3102.5	2754.6	1641.3	714.3	435.2	333.2	330.1	343.6	365.8	386.7	393.4
44°	3141.9	2788.4	1629.6	697.1	426.6	326.4	326.4	338.1	355.3	379.9	387.9
45°	3151.7	2830.8	1603.8	696.5	416.2	318.4	317.2	339.3	351.0	381.1	386.0
47.5°	3189.8	2883.1	1606.9	676.8	391.0	299.4	320.9	330.7	341.2	367.6	384.2
50°	3188.6	2915.6	1600.1	647.9	372.5	277.9	313.5	324.6	335.0	362.1	368.8
52.5°	3197.2	3037.4	1662.2	601.8	339.3	250.2	288.9	313.5	326.4	349.2	363.3
55°	3192.9	3106.8	1723.7	567.4	292.6	233.6	268.0	296.9	315.4	339.3	346.1
57.5°	2916.3	2746.0	1595.2	502.8	242.2	213.9	238.5	279.7	303.1	327.6	336.3
60°	2382.7	2116.5	1315.5	370.1	199.2	196.7	221.9	274.2	284.0	305.5	320.3
62.5°	2201.9	1856.5	1043.2	282.8	170.3	180.1	204.7	247.7	263.1	289.5	303.1
65°	1723.1	1233.1	646.1	191.2	150.0	161.7	185.0	217.0	242.2	266.8	282.8
67.5°	1020.4	673.7	319.7	134.0	130.9	143.2	167.2	191.2	220.1	247.1	255.1
70°	555.7	331.3	136.5	102.0	111.3	122.3	145.7	162.3	190.0	210.9	224.4
72.5°	178.3	100.8	68.2	75.6	84.8	97.7	111.9	132.2	151.8	164.1	175.2
75°	43.0	42.4	48.6	52.9	61.5	71.3	83.0	93.4	108.8	120.5	130.3
77.5°	30.1	32.6	37.5	43.6	46.7	50.4	57.8	65.8	72.5	81.1	87.3
80°	23.4	25.2	28.9	32.0	35.0	38.1	41.8	44.9	49.2	54.7	57.8
82.5°	22.1	23.4	27.0	28.9	27.7	27.0	29.5	30.7	31.4	33.2	35.0
85°	1.8	0.0	1.2	4.3	10.5	15.4	16.6	16.6	16.0	17.2	17.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.5	1.8
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°	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0
2.5°	1662.2	1641.3	1649.3	1659.1	1645.0	1612.4	1621.0	1617.3	1650.5	1648.1	1681.3
5°	1393.6	1361.0	1364.7	1412.6	1397.3	1413.9	1380.7	1376.4	1382.5	1385.6	1391.1
7.5°	1066.5	1062.2	1099.1	1139.7	1158.8	1139.1	1106.5	1099.1	1092.4	1078.8	1109.6
10°	870.5	871.7	869.2	900.0	921.5	917.2	897.5	895.0	882.1	877.2	894.4
12.5°	777.0	760.4	752.4	742.6	759.2	770.3	761.6	755.5	756.1	762.3	764.7
15°	686.6	676.2	659.0	647.9	655.9	650.4	647.3	659.6	656.5	655.3	670.1
17.5°	585.2	593.8	592.6	580.3	590.8	586.4	585.8	577.2	565.5	556.9	561.9
20°	518.2	534.2	546.5	547.1	552.6	552.0	542.8	516.4	507.8	505.9	507.1
22.5°	494.2	502.8	517.6	538.5	538.5	528.7	517.6	486.9	478.9	470.3	466.6
25°	475.2	491.8	510.8	513.3	523.1	513.9	496.1	480.7	464.1	452.4	452.4
27.5°	465.3	483.8	497.9	502.2	515.8	508.4	489.9	470.3	450.6	450.0	439.5
30°	461.0	478.3	487.5	497.9	504.1	492.4	486.9	466.0	446.3	441.4	424.2
32.5°	448.1	472.7	489.9	487.5	492.4	487.5	479.5	462.3	440.1	429.1	427.2
35°	433.4	458.0	476.4	489.3	492.4	481.9	477.0	453.7	423.5	418.0	399.0
37.5°	425.4	440.1	462.9	483.8	488.1	482.6	466.0	442.0	411.9	405.7	389.1
40°	415.6	434.6	452.4	469.7	482.6	469.0	450.0	426.6	413.1	394.7	389.7
42.5°	408.2	429.7	444.4	463.5	478.3	460.4	438.3	422.3	403.3	391.0	376.8
44°	405.7	425.4	435.2	458.6	470.9	457.4	438.9	422.3	400.2	389.1	376.8
45°	397.1	424.2	434.6	455.5	466.0	454.9	431.5	414.9	399.0	385.4	372.5
47.5°	388.5	406.9	424.8	441.4	448.7	445.1	425.4	405.1	386.0	378.1	365.8
50°	386.0	404.5	421.1	436.5	445.1	437.7	419.9	400.2	378.1	365.1	354.7
52.5°	373.8	396.5	414.9	419.9	430.9	426.6	413.1	391.6	370.7	359.6	351.0
55°	355.9	379.9	405.1	411.3	427.2	420.5	400.2	379.9	362.1	345.5	334.4
57.5°	349.2	372.5	397.1	405.1	414.9	403.9	399.0	377.4	349.2	340.6	323.3
60°	332.0	361.5	381.7	400.2	400.8	397.7	389.1	364.5	341.2	325.2	312.9
62.5°	318.4	346.1	362.1	379.3	389.7	381.1	372.5	349.8	324.6	306.7	292.6
65°	298.8	324.0	337.5	347.9	359.6	358.4	343.6	327.0	300.6	286.5	272.9
67.5°	268.6	290.8	309.2	319.0	326.4	324.6	313.5	301.8	274.8	260.6	250.8
70°	232.4	255.1	266.8	272.3	279.7	283.4	274.8	269.2	245.3	226.8	217.6
72.5°	186.9	201.6	218.8	223.8	226.8	229.3	229.3	224.4	199.8	192.4	176.4
75°	137.7	149.4	162.3	162.3	167.8	168.4	169.7	166.6	148.1	138.3	134.6
77.5°	93.4	102.0	112.5	116.8	120.5	119.9	119.3	110.7	100.8	96.5	92.8
80°	60.9	69.5	74.4	79.9	83.6	83.0	84.2	78.1	73.8	66.4	67.6
82.5°	36.3	43.0	47.9	54.7	54.7	56.6	56.6	54.7	50.4	46.7	46.7
85°	17.2	22.7	25.8	30.1	32.6	33.2	29.5	25.2	20.9	19.1	20.9
87.5°	3.1	4.3	6.1	5.5	6.8	6.1	6.1	6.1	6.1	4.9	5.5
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: P526702

CATALOG NUMBER: GALN-SA1C-830-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0	1878.0
2.5°	1669.0	1699.7	1721.2	1756.9	1818.4	1867.5	1917.9	1955.4	1959.7	1970.8
5°	1411.4	1428.0	1482.7	1554.0	1604.4	1687.4	1740.9	1838.0	1874.3	1913.0
7.5°	1102.2	1129.3	1202.4	1250.4	1361.0	1464.9	1572.5	1692.3	1740.3	1745.8
10°	929.5	968.8	1018.6	1095.4	1155.7	1271.3	1405.3	1538.7	1592.1	1601.4
12.5°	816.4	866.8	933.2	988.5	1046.3	1147.1	1275.6	1440.3	1509.8	1551.6
15°	707.5	759.8	833.0	909.8	960.8	1081.3	1232.5	1418.2	1508.5	1545.4
17.5°	595.7	644.2	704.5	787.5	890.1	1025.4	1225.8	1491.9	1590.9	1633.9
20°	499.8	526.8	596.9	682.3	810.8	968.2	1228.2	1600.7	1745.8	1764.9
22.5°	462.3	468.4	496.1	574.8	715.5	909.8	1271.9	1755.0	1919.8	1982.5
25°	433.4	432.2	439.5	492.4	646.1	887.0	1314.9	1897.0	2112.8	2181.0
27.5°	417.4	405.1	405.7	455.5	596.9	850.2	1370.2	2059.9	2331.7	2361.8
30°	409.4	406.9	399.6	419.9	543.4	794.8	1379.4	2220.4	2460.7	2504.4
32.5°	404.5	380.5	371.3	378.7	493.0	734.6	1413.9	2326.1	2620.6	2601.5
35°	379.9	358.4	352.2	359.6	457.4	700.8	1391.1	2418.3	2740.4	2772.4
37.5°	370.7	351.6	339.3	333.2	424.2	672.5	1379.4	2560.3	2856.6	2933.5
40°	362.1	341.8	327.0	320.9	398.3	635.0	1375.8	2669.8	2990.6	3036.7
42.5°	352.2	339.3	322.7	311.7	367.0	597.5	1333.3	2703.6	3031.8	3081.6
44°	349.2	329.5	312.3	308.6	354.7	578.5	1324.7	2734.3	3067.5	3143.1
45°	346.1	327.6	308.0	303.1	350.4	568.0	1313.1	2741.7	3126.5	3140.6
47.5°	337.5	325.8	306.7	293.2	341.2	545.3	1278.0	2699.9	3066.2	3068.7
50°	330.7	317.2	297.5	271.1	328.9	526.2	1294.0	2684.5	2921.2	2926.7
52.5°	323.3	303.1	292.0	246.5	308.6	510.2	1327.8	2754.0	2937.8	2936.5
55°	314.7	292.6	265.6	225.6	274.8	489.9	1409.6	2891.1	3091.5	3112.4
57.5°	301.2	282.2	243.4	207.2	236.1	451.2	1383.1	2628.6	2844.3	2848.0
60°	283.4	265.6	220.7	193.0	193.6	355.9	1236.8	2048.3	2244.4	2297.8
62.5°	266.2	256.3	201.6	172.7	164.7	283.4	1045.6	1702.2	1926.5	1970.8
65°	245.9	221.9	185.0	157.4	141.4	198.6	740.7	1271.9	1503.0	1562.6
67.5°	220.1	194.3	162.9	138.3	121.1	132.8	382.4	722.9	957.1	992.2
70°	192.4	168.4	137.1	116.8	97.7	91.6	168.4	344.9	523.1	559.4
72.5°	158.0	135.9	109.4	92.2	73.2	63.3	56.6	92.2	185.6	215.8
75°	114.3	99.0	82.4	65.8	51.6	40.6	33.2	27.7	30.7	33.2
77.5°	84.2	71.9	60.9	46.7	36.3	28.9	22.7	17.2	16.6	16.0
80°	65.8	58.4	48.6	37.5	28.3	21.5	16.0	11.7	10.5	10.5
82.5°	51.6	47.9	40.0	30.7	23.4	17.2	11.7	8.0	6.8	6.8
85°	19.7	19.7	28.9	25.2	17.8	12.3	8.0	4.3	3.7	3.7
87.5°	4.9	4.9	4.9	4.9	4.3	3.7	3.7	1.8	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)