Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P530266

Luminaire Tested: **GALN-SA5C-727-U-SLR-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

Test Information

Test Method:	LM-79-08
Report Number:	P530266
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA5C-727-U-SLR-GRSWH
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21929 lumens
Efficiency:	N/A
Efficacy:	81.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	269
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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Scaled Data Report

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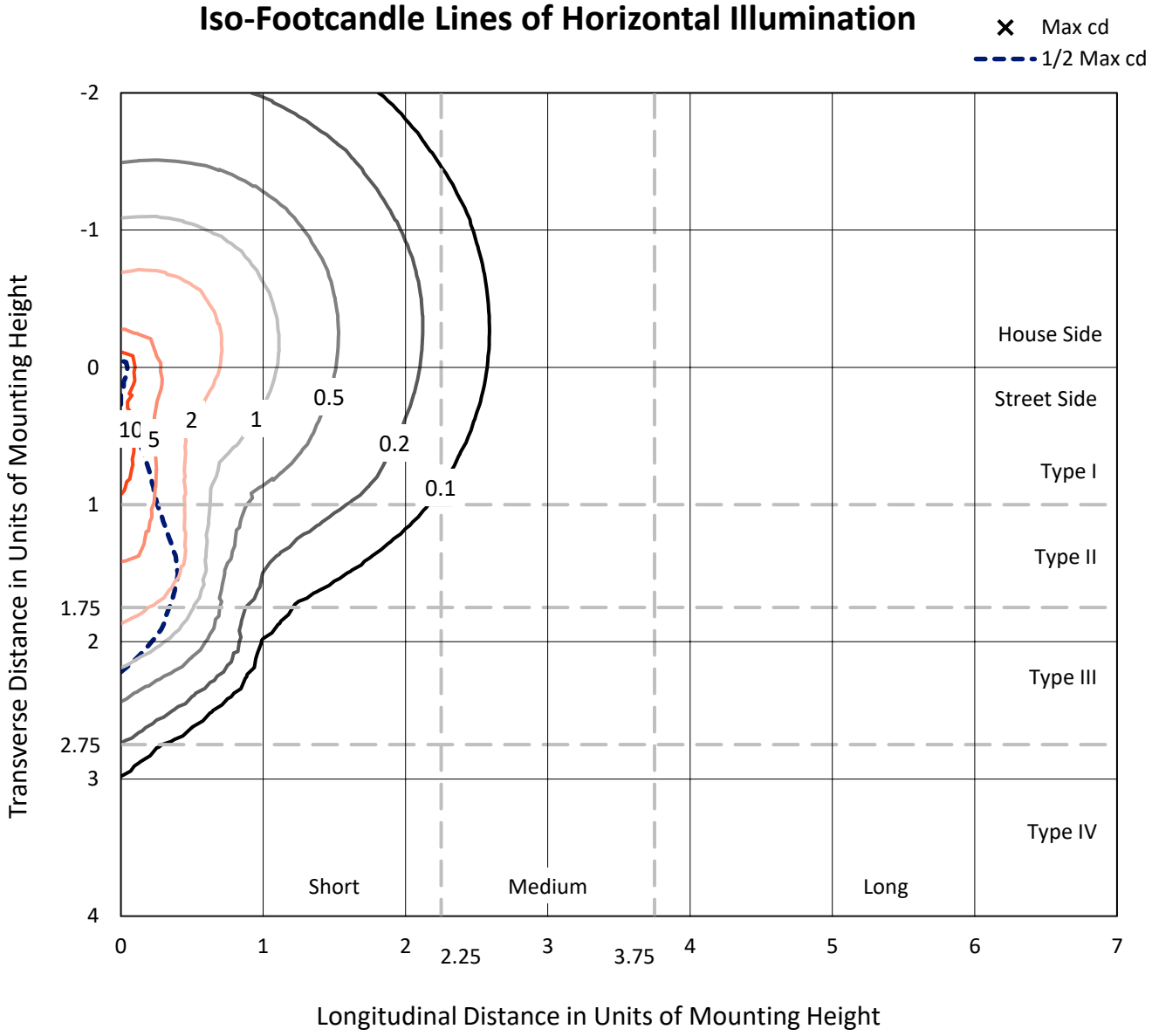
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
Type III - Short - N/A

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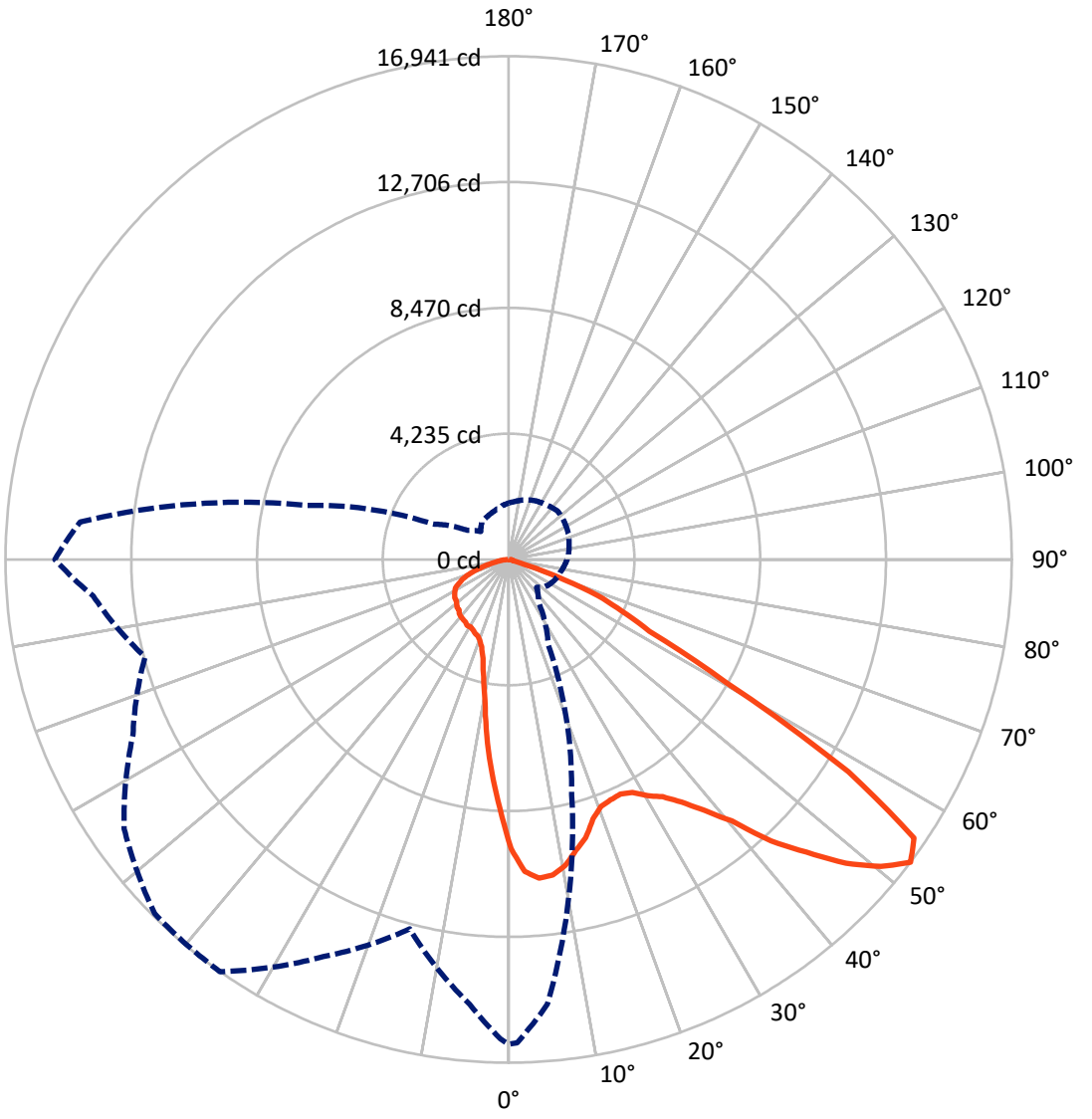
Luminous Intensity Polar Plot



Vertical Plane Through 325-Deg Lateral — Horizontal Cone Through 52.5-Deg Vertical

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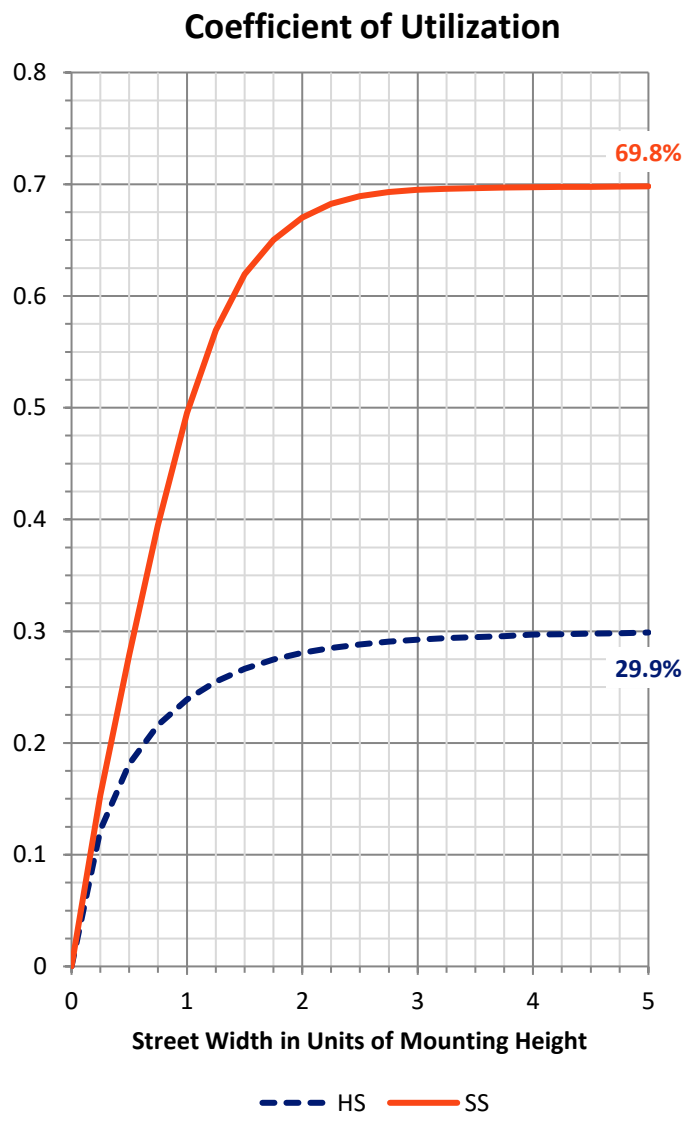
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6610.7	0.0	6610.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	15318.3	0.0	15318.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	21929.0	0.0	21929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.5	3.4
10°-20°	1609.6	7.3
20°-30°	2432.0	11.1
30°-40°	3514.3	16.0
40°-50°	4676.9	21.3
50°-60°	5231.2	23.9
60°-70°	2948.3	13.4
70°-80°	657.2	3.0
80°-90°	117.0	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°	21929.0	100.0
0°-180°	21929.0	100.0



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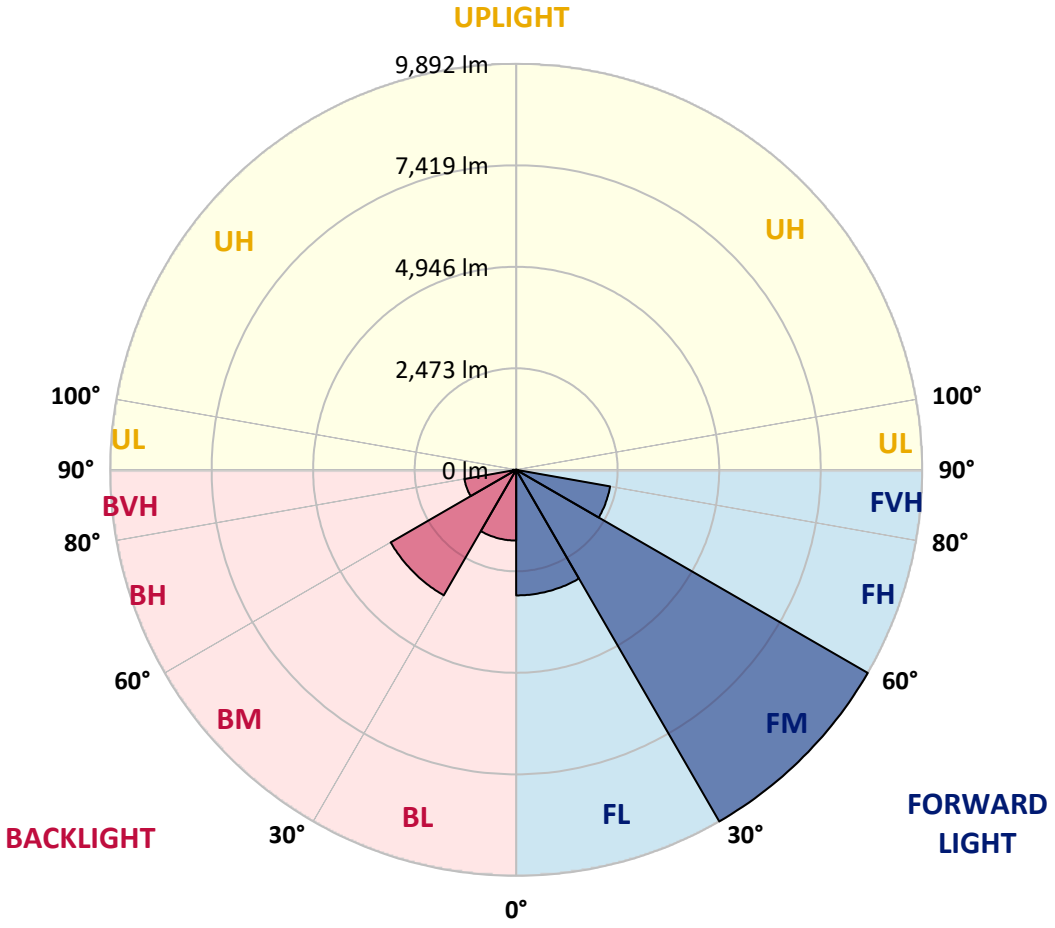
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3060.1	14.0			
FM	(30°-60°)	9891.7	45.1			
FH	(60°-80°)	2324.1	10.6			G2/5000
FVH	(80°-90°)	42.4	0.2			G1/100
BL	(0°-30°)	1723.9	7.9	B3/2500		
BM	(30°-60°)	3530.8	16.1	B3/5000		
BH	(60°-80°)	1281.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	74.6	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2
2.5°	9894.3	10053.2	9881.6	9576.5	9360.4	9163.3	8956.7	8915.4	8645.2	8597.5	8400.5
5°	9331.7	9296.8	9087.0	8686.5	8244.7	7844.3	7548.7	7262.6	7068.7	6843.1	6827.2
7.5°	8648.4	8445.0	8324.2	7717.1	7170.4	6541.1	6271.0	5835.5	5698.9	5495.4	5390.5
10°	8038.1	7888.8	7605.9	6998.8	6236.0	5819.6	5530.4	5295.2	5136.3	4926.5	4662.7
12.5°	7736.2	7675.8	7358.0	6417.2	5851.4	5406.4	5203.0	4974.2	4704.0	4367.1	4236.8
15°	7790.2	7586.8	7345.3	6305.9	5524.0	5095.0	4770.8	4484.7	4138.3	3817.2	3629.7
17.5°	8193.9	8038.1	7555.0	6375.8	5400.1	4780.3	4192.3	3769.6	3458.1	3168.9	3038.5
20°	8988.5	8762.8	8219.3	6464.8	5133.1	4341.7	3667.9	3146.6	2812.9	2660.3	2615.8
22.5°	9868.9	9735.4	8867.7	6665.1	4920.1	3934.8	3111.6	2590.4	2466.4	2425.1	2507.7
25°	10940.0	10593.6	9875.3	6992.5	4754.9	3588.4	2641.2	2352.0	2288.4	2329.8	2425.1
27.5°	11753.7	11661.5	10580.9	7300.8	4529.2	3172.0	2377.4	2186.7	2205.8	2247.1	2336.1
30°	12719.9	12252.7	11264.2	7513.7	4325.8	2886.0	2193.1	2142.2	2161.3	2231.2	2275.7
32.5°	13301.6	13126.7	11693.3	7834.7	4090.6	2638.1	2050.1	2002.4	2031.0	2135.9	2240.8
35°	14042.1	13695.7	12224.1	7917.4	3925.3	2539.5	1948.4	1913.4	1980.1	2053.2	2170.8
37.5°	14906.6	14668.3	12958.3	7860.2	3836.3	2437.8	1862.5	1846.6	1894.3	1996.0	2132.7
40°	15418.4	15345.3	13342.9	7895.1	3696.5	2348.8	1764.0	1783.1	1881.6	1961.1	2094.6
42.5°	15911.0	15434.3	13911.8	7882.4	3607.5	2228.1	1773.5	1751.3	1827.6	1919.7	2046.9
45°	16019.1	15545.5	14045.3	7793.4	3499.4	2110.4	1700.4	1710.0	1802.1	1916.6	1999.2
47.5°	15949.2	15599.5	14293.2	7768.0	3397.7	2027.8	1592.4	1706.8	1760.8	1853.0	1970.6
50°	15901.5	15882.4	14503.0	7888.8	3261.0	1897.5	1462.1	1665.5	1719.5	1811.7	1938.8
52.5°	*16321.0*	*16279.7*	*15027.4*	*8206.6*	*3153.0*	*1757.6*	*1328.6*	*1560.6*	*1690.9*	*1779.9*	*1903.9*
55°	16575.3	16394.1	15926.9	8597.5	2971.8	1573.3	1236.4	1430.3	1621.0	1700.4	1827.6
57.5°	14909.8	14785.9	14407.6	8025.4	2666.7	1331.7	1122.0	1296.8	1525.6	1649.6	1779.9
60°	12405.2	12211.4	11242.0	6820.8	1967.4	1036.2	1052.0	1191.9	1500.2	1547.9	1700.4
62.5°	11696.5	11216.5	9897.5	5489.1	1509.7	889.9	944.0	1096.5	1366.7	1446.2	1598.7
65°	9280.9	8924.9	7081.4	3963.5	1010.7	772.3	861.3	988.5	1179.2	1334.9	1474.8
67.5°	5810.1	5470.0	3779.1	1875.2	705.6	661.1	769.2	902.7	1058.4	1198.3	1354.0
70°	3035.4	2663.5	1744.9	677.0	486.3	540.3	642.0	769.2	921.7	1036.2	1156.9
72.5°	1131.5	918.6	568.9	292.4	336.9	413.2	521.3	613.4	721.5	861.3	928.1
75°	174.8	149.4	146.2	178.0	228.8	298.8	371.9	464.0	559.4	648.4	692.9
77.5°	82.6	79.5	89.0	117.6	152.6	213.0	270.2	359.2	435.4	492.7	518.1
80°	54.0	50.9	57.2	79.5	114.4	158.9	216.1	276.5	346.4	394.1	387.8
82.5°	31.8	35.0	35.0	54.0	79.5	114.4	155.7	209.8	257.4	298.8	273.3
85°	19.1	15.9	15.9	31.8	54.0	92.2	130.3	89.0	92.2	92.2	104.9
87.5°	6.4	6.4	6.4	3.2	6.4	6.4	9.5	15.9	19.1	22.2	28.6
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: P530266
CATALOG NUMBER: GALN-SA5C-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2
2.5°	8394.1	8492.7	8457.7	8333.7	8429.1	8445.0	8381.4	8600.7	8642.0	8575.3	8594.4
5°	6804.9	6830.4	6887.6	7008.3	7094.2	7195.9	7195.9	7202.2	7116.4	7332.5	7269.0
7.5°	5301.6	5317.4	5384.2	5641.6	5714.7	5908.6	5991.3	5934.1	5762.4	5689.3	5749.7
10°	4576.9	4484.7	4462.5	4494.2	4659.5	4742.2	4812.1	4793.0	4764.4	4707.2	4643.6
12.5°	4093.8	4027.0	3973.0	3896.7	3906.2	3985.7	4039.7	3995.2	4007.9	4020.7	4039.7
15°	3569.3	3521.7	3493.0	3378.6	3365.9	3419.9	3439.0	3464.4	3512.1	3515.3	3493.0
17.5°	3013.1	2971.8	3035.4	3098.9	3054.4	3057.6	3092.6	3114.8	3102.1	3044.9	3016.3
20°	2631.7	2676.2	2739.8	2800.2	2847.8	2876.4	2889.2	2854.2	2812.9	2695.3	2692.1
22.5°	2520.5	2577.7	2631.7	2723.9	2768.4	2841.5	2774.7	2695.3	2638.1	2580.9	2514.1
25°	2437.8	2485.5	2593.6	2628.5	2714.3	2774.7	2727.1	2647.6	2549.1	2466.4	2415.6
27.5°	2377.4	2431.5	2501.4	2596.7	2663.5	2698.5	2650.8	2619.0	2517.3	2418.8	2345.7
30°	2339.3	2396.5	2523.6	2603.1	2660.3	2688.9	2606.3	2568.1	2495.0	2412.4	2348.8
32.5°	2313.9	2364.7	2472.8	2574.5	2612.6	2612.6	2625.3	2580.9	2479.1	2339.3	2285.3
35°	2231.2	2301.2	2390.1	2507.7	2577.7	2619.0	2555.4	2504.6	2437.8	2294.8	2196.3
37.5°	2183.6	2231.2	2345.7	2456.9	2517.3	2561.8	2536.4	2447.4	2358.4	2240.8	2161.3
40°	2132.7	2209.0	2310.7	2415.6	2482.3	2526.8	2507.7	2402.9	2294.8	2183.6	2129.5
42.5°	2097.7	2148.6	2253.5	2371.1	2450.5	2536.4	2479.1	2348.8	2272.5	2120.0	2059.6
45°	2069.1	2151.8	2263.0	2310.7	2393.3	2482.3	2380.6	2301.2	2212.2	2100.9	2050.1
47.5°	2034.2	2110.4	2183.6	2310.7	2348.8	2390.1	2371.1	2243.9	2167.7	2046.9	2011.9
50°	2021.5	2050.1	2183.6	2253.5	2307.5	2348.8	2298.0	2202.6	2129.5	2005.6	1929.3
52.5°	*1970.6*	*2024.6*	*2110.4*	*2202.6*	*2269.4*	*2320.2*	*2237.6*	*2177.2*	*2078.7*	*1948.4*	*1900.7*
55°	1907.0	1938.8	2091.4	2186.7	2221.7	2256.7	2224.9	2126.3	2024.6	1891.1	1843.5
57.5°	1824.4	1897.5	2021.5	2154.9	2199.4	2218.5	2167.7	2088.2	1961.1	1843.5	1767.2
60°	1738.6	1814.9	1951.5	2059.6	2104.1	2174.0	2097.7	2050.1	1903.9	1773.5	1690.9
62.5°	1652.8	1738.6	1840.3	1977.0	2015.1	2043.7	2024.6	1957.9	1840.3	1694.1	1592.4
65°	1551.1	1614.6	1741.8	1811.7	1837.1	1903.9	1837.1	1811.7	1706.8	1566.9	1481.1
67.5°	1398.5	1452.5	1563.8	1630.5	1649.6	1678.2	1675.0	1646.4	1528.8	1433.5	1357.2
70°	1223.7	1271.4	1341.3	1420.7	1430.3	1465.2	1433.5	1427.1	1350.8	1220.5	1179.2
72.5°	982.1	1026.6	1118.8	1153.8	1156.9	1169.6	1153.8	1131.5	1112.4	975.8	934.4
75°	753.3	778.7	823.2	855.0	855.0	870.9	861.3	839.1	788.2	702.4	661.1
77.5°	524.4	549.9	607.1	626.1	623.0	629.3	600.7	578.5	502.2	457.7	422.7
80°	381.4	397.3	425.9	438.6	441.8	451.3	416.4	397.3	352.8	301.9	286.1
82.5°	276.5	286.1	289.2	305.1	305.1	289.2	279.7	260.6	228.8	197.1	184.3
85°	114.4	117.6	120.8	139.8	143.0	171.6	158.9	149.4	130.3	111.2	101.7
87.5°	28.6	31.8	41.3	35.0	41.3	41.3	44.5	50.9	50.9	41.3	41.3
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°	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2	9732.2
2.5°	8667.5	8692.9	9017.1	9058.4	9217.3	9379.4	9706.8	9942.0	10132.7	10256.7	10291.6
5°	7335.7	7497.8	7647.2	7888.8	8108.1	8419.6	8778.7	9223.7	9783.1	10069.1	10183.6
7.5°	5743.3	5934.1	6150.2	6385.4	6706.4	7265.8	7745.7	8260.6	8975.8	9271.4	9719.5
10°	4688.1	4901.1	5187.1	5368.3	5756.1	6290.0	6849.4	7443.8	8127.1	8553.0	9071.1
12.5°	4144.6	4319.4	4583.2	4964.6	5253.9	5600.3	6016.7	6766.8	7745.7	8149.4	8505.4
15°	3543.9	3737.8	4042.9	4465.6	4812.1	5225.3	5692.5	6509.3	7551.9	8174.8	8476.8
17.5°	3048.1	3187.9	3508.9	3874.5	4271.8	4723.1	5393.7	6496.6	7755.3	8553.0	9045.7
20°	2704.8	2723.9	2898.7	3210.2	3750.5	4338.5	5209.4	6433.1	8406.8	9204.6	9827.6
22.5°	2488.7	2469.6	2472.8	2736.6	3114.8	3960.3	4920.1	6649.2	9147.4	10240.8	10660.3
25°	2380.6	2329.8	2298.0	2355.2	2698.5	3512.1	4700.8	6935.2	9945.2	11095.8	11610.7
27.5°	2323.4	2234.4	2170.8	2180.4	2431.5	3286.5	4564.2	7059.2	10736.6	12287.6	12468.8
30°	2301.2	2189.9	2097.7	2066.0	2231.2	2971.8	4271.8	7272.2	11445.4	12942.4	13098.1
32.5°	2221.7	2085.0	1996.0	1967.4	2034.2	2695.3	4062.0	7424.7	12071.5	13654.4	13600.3
35°	2129.5	2015.1	1903.9	1849.8	1897.5	2517.3	3893.5	7351.6	12808.9	14207.4	14178.8
37.5°	2120.0	1970.6	1878.4	1789.4	1786.3	2298.0	3664.7	7421.5	13279.3	15199.1	14808.1
40°	2037.3	1942.0	1821.2	1748.1	1706.8	2186.7	3442.2	7256.3	13969.0	15599.5	15214.9
42.5°	2040.5	1897.5	1792.6	1706.8	1665.5	2024.6	3289.6	7211.8	14210.6	16251.1	15405.6
45°	1989.7	1849.8	1760.8	1659.1	1636.9	1900.7	3143.4	7005.2	14636.5	16282.9	15167.3
47.5°	1938.8	1814.9	1719.5	1598.7	1547.9	1856.2	3029.0	6833.5	14414.0	15984.1	14836.7
50°	1903.9	1760.8	1671.8	1586.0	1443.0	1779.9	2879.6	6792.2	14102.5	15580.5	14223.3
52.5°	*1843.5*	*1716.3*	*1624.2*	*1557.4*	*1328.6*	*1710.0*	*2822.4*	*7033.8*	*14483.9*	*15278.5*	*14045.3*
55°	1786.3	1655.9	1538.3	1408.0	1233.2	1525.6	2663.5	7259.4	15040.1	15974.6	14852.6
57.5°	1725.9	1601.9	1474.8	1319.0	1141.0	1334.9	2498.2	7300.8	13997.6	14763.6	14099.3
60°	1646.4	1487.5	1392.1	1188.7	1042.5	1106.1	1980.1	6436.2	10857.4	12329.0	12351.2
62.5°	1557.4	1385.8	1303.1	1064.8	940.8	953.5	1614.6	5409.6	8807.3	10205.8	10812.9
65°	1439.8	1274.5	1176.0	985.3	867.7	826.4	1182.4	3963.5	6690.5	8279.7	8969.4
67.5°	1287.2	1131.5	1007.5	858.2	775.5	708.8	807.3	2231.2	3950.7	5559.0	5768.8
70°	1125.1	991.7	861.3	737.4	645.2	597.5	591.2	988.5	1888.0	2990.9	3404.1
72.5°	886.8	791.4	686.5	594.4	534.0	464.0	422.7	410.0	638.9	1217.3	1681.4
75°	635.7	556.2	495.8	435.4	390.9	352.8	321.0	292.4	267.0	305.1	419.5
77.5°	400.5	371.9	324.2	308.3	282.9	273.3	260.6	244.7	225.7	213.0	213.0
80°	270.2	251.1	235.2	232.0	222.5	219.3	222.5	206.6	187.5	171.6	178.0
82.5°	181.2	178.0	174.8	171.6	174.8	178.0	184.3	181.2	165.3	155.7	158.9
85°	108.1	114.4	120.8	127.1	139.8	124.0	101.7	85.8	76.3	69.9	66.7
87.5°	41.3	57.2	50.9	47.7	50.9	47.7	44.5	41.3	35.0	31.8	31.8
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: P530266
CATALOG NUMBER: GALN-SA5C-727-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9732.2	9732.2	9732.2	9732.2	*9732.2*	9732.2	9732.2	9732.2	9732.2	9732.2
2.5°	10523.6	10587.2	10641.2	10628.5	*10517.3*	10367.9	10307.5	9999.2	9935.6	9894.3
5°	10666.7	11035.4	11114.8	11067.1	*10777.9*	10412.4	10056.4	9605.1	9341.3	9331.7
7.5°	10402.9	10857.4	11000.4	11108.5	*10723.9*	10088.2	9478.0	8801.0	8635.7	8648.4
10°	9732.2	10456.9	10809.7	10920.9	*10479.1*	9929.3	9083.8	8397.3	8044.5	8038.1
12.5°	9360.4	9929.3	10027.8	10183.6	*10053.2*	9497.0	8855.0	8085.8	7742.6	7736.2
15°	9029.8	9404.9	9433.5	9652.8	*9722.7*	9347.6	8915.4	8095.4	7818.8	7790.2
17.5°	9319.0	9058.4	8950.3	8978.9	*9185.5*	9322.2	9265.0	8635.7	8352.8	8193.9
20°	9512.9	8931.3	8603.9	8635.7	*8880.4*	9379.4	9786.3	9417.6	8969.4	8988.5
22.5°	10031.0	8950.3	8438.6	8403.7	*8791.4*	9678.2	10374.3	10406.0	9973.8	9868.9
25°	10806.5	9169.7	8387.8	8378.2	*8750.1*	9999.2	11060.8	11575.7	11133.9	10940.0
27.5°	11429.5	9512.9	8546.7	8578.5	*8880.4*	10259.8	11645.6	12329.0	11992.1	11753.7
30°	11976.2	9868.9	8769.2	8623.0	*9230.0*	10396.5	11896.7	13187.1	12917.0	12719.9
32.5°	12201.8	10374.3	9122.0	8880.4	*9519.3*	10561.8	12418.0	14019.9	13787.8	13301.6
35°	12583.2	10657.1	9312.7	9293.6	*10024.6*	10959.1	12662.7	14569.7	14474.4	14042.1
37.5°	12888.4	10943.2	9989.7	9779.9	*10717.5*	11626.5	13056.8	15329.4	15110.1	14906.6
40°	13123.6	11454.9	10622.2	10898.7	*11569.3*	12233.6	13419.2	15377.0	16009.5	15418.4
42.5°	12907.4	11912.6	11661.5	12322.6	*12958.3*	12926.5	13460.5	15745.7	16219.3	15911.0
45°	12853.4	12688.1	13304.7	13905.4	*14051.7*	13501.8	13164.9	15338.9	16155.7	16019.1
47.5°	12723.1	13450.9	14525.2	15504.2	*15281.7*	13886.4	12812.1	15265.8	16193.9	15949.2
50°	12678.6	13616.2	15427.9	16381.4	*16247.9*	14220.1	12646.8	14795.4	15923.7	15901.5
52.5°	*12675.4*	*13956.3*	*15802.9*	*16858.2*	*16940.8*	*14747.7*	*12872.5*	*15033.8*	*16133.5*	*16321.0*
55°	12818.4	13848.2	15755.3	16594.4	*16562.6*	14512.5	12897.9	15192.7	16390.9	16575.3
57.5°	12090.6	12405.2	13002.8	13667.1	*13495.4*	12020.7	11518.5	14045.3	15043.3	14909.8
60°	10441.0	9455.7	8781.9	8750.1	*8416.4*	7955.5	9427.1	12535.6	12535.6	12405.2
62.5°	9144.2	6207.4	5333.3	5085.4	*5323.8*	5854.6	9093.4	12192.3	11845.9	11696.5
65°	7996.8	4739.0	3855.4	3785.5	*4198.7*	4999.6	8222.5	10387.0	9776.7	9280.9
67.5°	5145.8	3470.8	2866.9	2742.9	*3242.0*	3671.0	5473.2	6388.6	6004.0	5810.1
70°	3318.2	2259.8	1595.6	1497.0	*1690.9*	2263.0	3496.2	3725.1	3165.7	3035.4
72.5°	1570.1	975.8	559.4	460.9	*518.1*	864.5	1382.6	1487.5	1236.4	1131.5
75°	499.0	359.2	228.8	197.1	*187.5*	222.5	317.8	244.7	178.0	174.8
77.5°	222.5	213.0	181.2	152.6	*133.5*	111.2	92.2	76.3	79.5	82.6
80°	184.3	168.5	149.4	133.5	*111.2*	85.8	66.7	50.9	50.9	54.0
82.5°	162.1	146.2	130.3	111.2	*95.4*	69.9	50.9	35.0	31.8	31.8
85°	69.9	82.6	89.0	95.4	*76.3*	57.2	35.0	22.2	19.1	19.1
87.5°	28.6	25.4	22.2	19.1	*15.9*	15.9	12.7	9.5	6.4	6.4
90°	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)