

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: P948451

Luminaire Tested: **GALN-SB3C-730-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17149 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 149.1
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



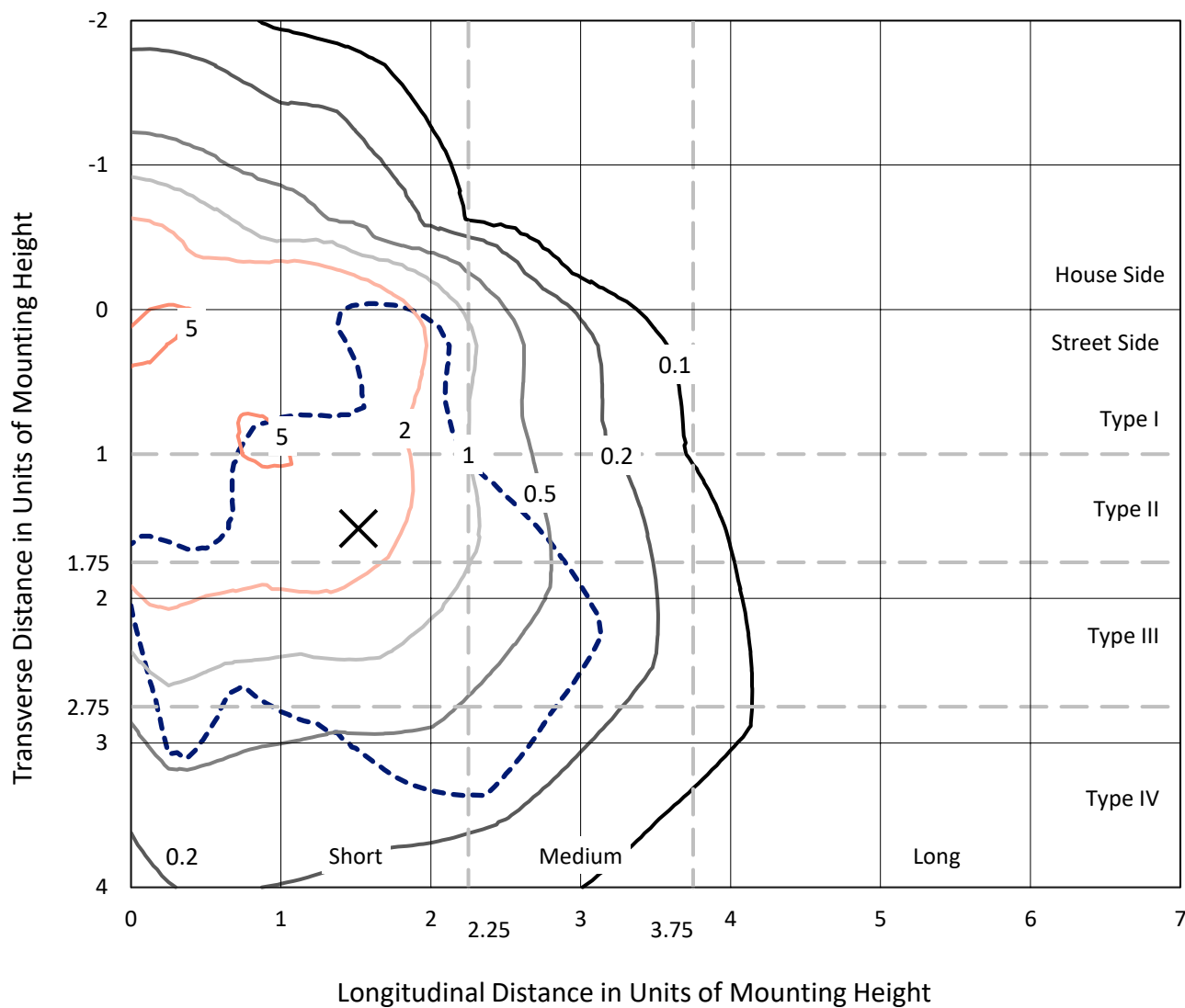
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

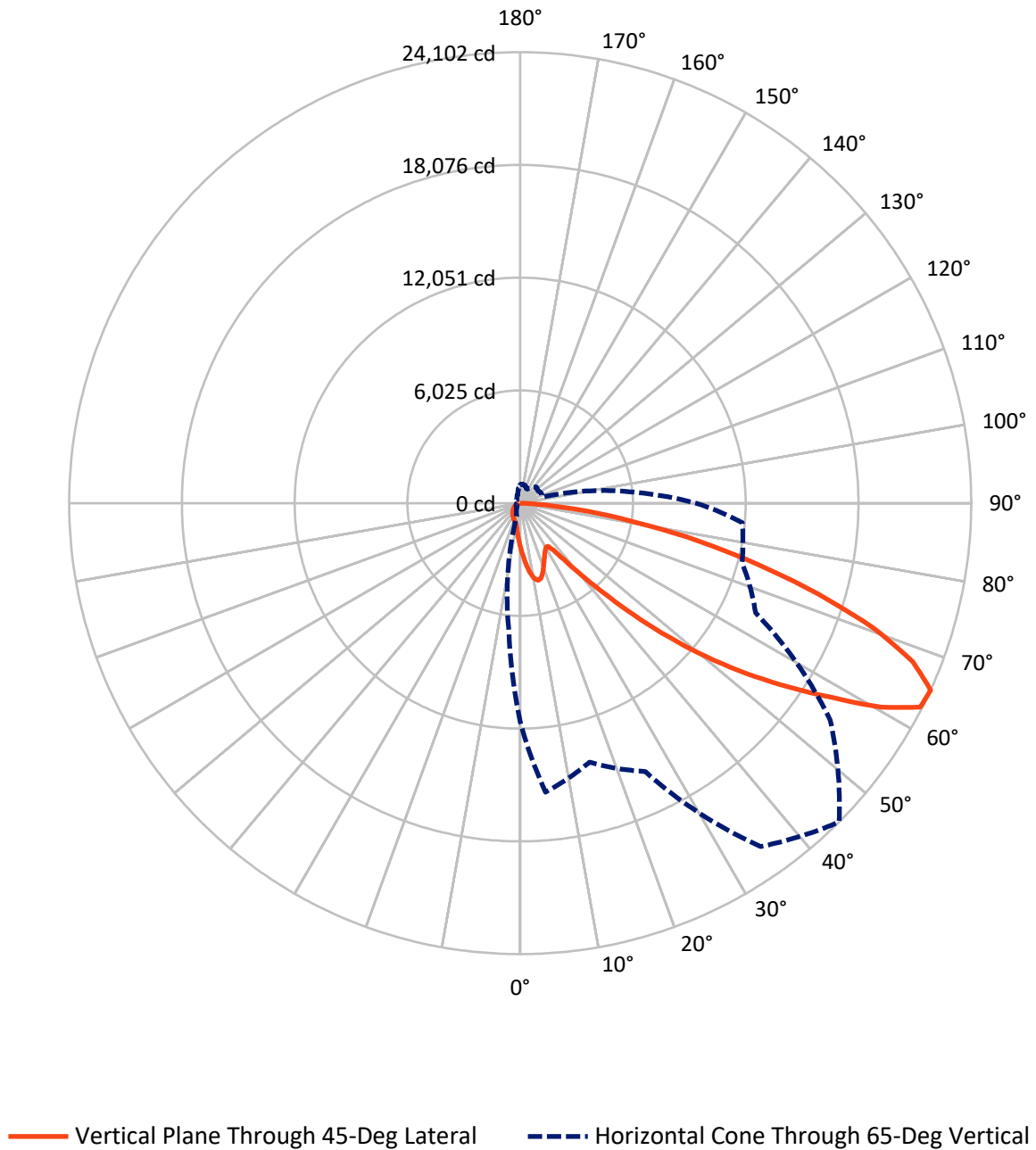


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3408.7	0.0	3408.7
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	13740.3	0.0	13740.3
	% Fixture	80.1	0.0	80.1
Total	Lumens	17149.0	0.0	17149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	1.4
10°-20°	700.8	4.1
20°-30°	1032.5	6.0
30°-40°	1326.4	7.7
40°-50°	2145.2	12.5
50°-60°	3761.8	21.9
60°-70°	4707.1	27.4
70°-80°	2750.6	16.0
80°-90°	490.8	2.9
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°	17149.0	100.0
0°-180°	17149.0	100.0

Coefficient of Utilization



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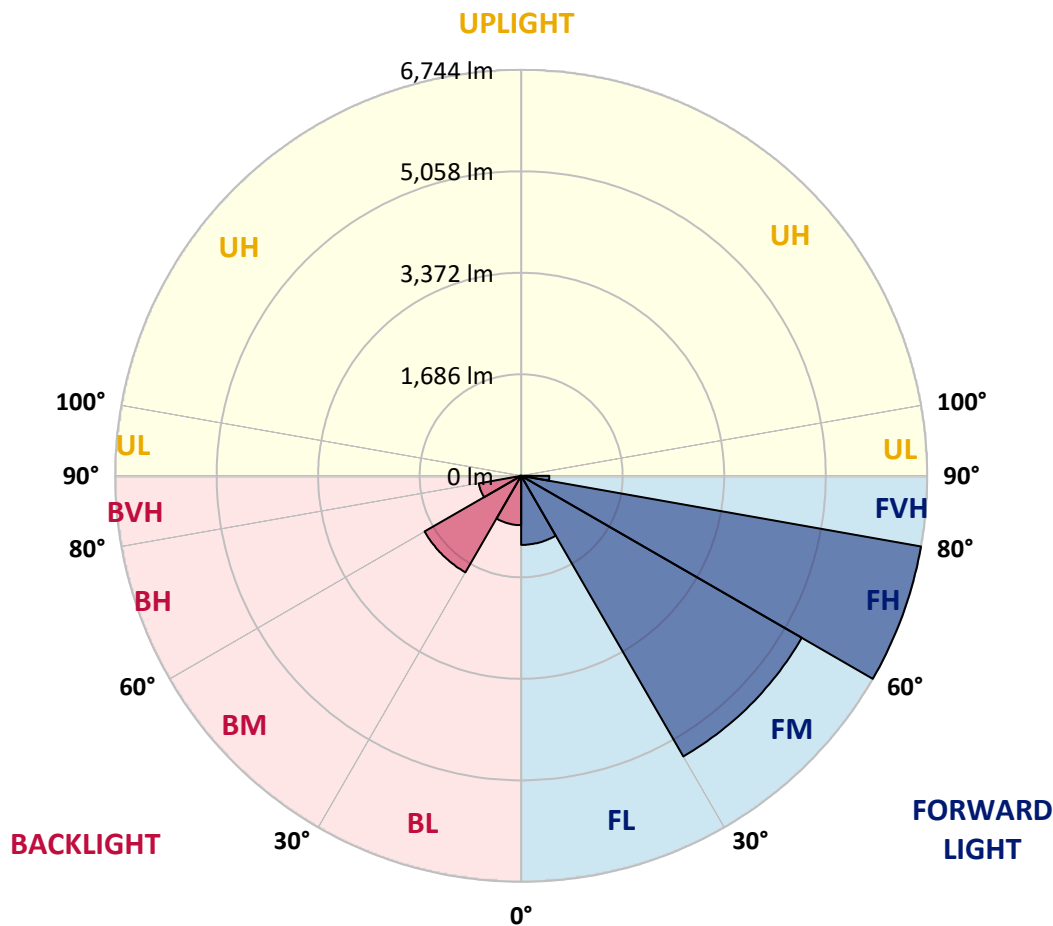
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1147.5	6.7			
FM	(30°-60°)	5381.6	31.4			
FH	(60°-80°)	6743.5	39.3			G3/7500
FVH	(80°-90°)	467.8	2.7			G3/500
BL	(0°-30°)	819.6	4.8	B2/1000		
BM	(30°-60°)	1851.9	10.8	B2/2500		
BH	(60°-80°)	714.2	4.2	B2/1000		G2/1000
BVH	(80°-90°)	23.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2660.5	2680.6	2725.5	2749.1	2785.7	2788.1	2788.1	2756.2	2755.0	2690.0	2682.9
5°	2973.6	3020.8	3127.1	3237.0	3260.6	3266.5	3254.7	3190.9	3143.7	3017.3	2990.1
7.5°	3284.3	3375.2	3537.1	3683.6	3730.8	3730.8	3702.5	3598.5	3501.6	3318.5	3250.0
10°	3541.8	3656.4	3876.1	4040.3	4094.7	4082.9	4025.0	3893.9	3760.4	3538.3	3448.5
12.5°	3711.9	3840.7	4081.7	4214.0	4269.5	4238.8	4172.7	4045.1	3904.5	3670.6	3569.0
15°	3797.0	3931.7	4140.8	4210.5	4195.1	4163.2	4154.9	4093.5	3987.2	3768.6	3657.6
17.5°	3833.6	3958.8	4104.1	4060.4	3930.5	3905.7	3988.4	4066.3	4040.3	3853.7	3749.7
20°	3867.9	3973.0	4016.7	3823.0	3596.1	3573.7	3732.0	3954.1	4067.5	3932.8	3837.1
22.5°	3915.1	3980.1	3890.3	3572.5	3328.0	3276.0	3450.8	3785.2	4075.8	4033.3	3937.6
25°	3980.1	3997.8	3750.9	3335.1	3089.3	3037.3	3200.4	3597.3	4061.6	4141.9	4060.4
27.5°	4058.1	4021.4	3617.4	3136.6	2899.1	2850.7	3013.7	3416.6	4021.4	4250.6	4192.7
30°	4159.7	4052.2	3485.1	2983.0	2763.3	2727.8	2884.9	3260.6	3971.8	4388.9	4357.0
32.5°	4262.4	4065.2	3362.2	2893.2	2732.5	2745.5	2874.3	3176.7	3917.5	4521.2	4536.5
35°	4373.5	4106.5	3302.0	2981.8	2988.9	3102.3	3155.5	3254.7	3909.2	4700.7	4761.0
37.5°	4524.7	4198.6	3374.0	3422.5	3668.2	3903.3	3859.6	3636.3	4004.9	4968.9	5081.1
40°	4742.1	4360.5	3688.3	4172.7	4677.1	5058.7	4892.1	4329.8	4297.9	5355.2	5523.0
42.5°	5058.7	4618.0	4245.9	5089.4	5944.7	6573.2	6126.7	5224.1	4810.6	5906.9	6120.8
45°	5526.5	5035.1	4920.5	6057.0	7507.7	8497.7	7569.1	6177.5	5528.9	6742.2	6909.9
47.5°	6175.1	5648.2	5552.5	7076.5	9407.4	10688.0	9168.7	7061.1	6346.4	7881.0	7920.0
50°	7036.3	6474.0	6151.5	8191.7	11490.2	12920.8	10767.2	7914.1	7283.3	9272.7	9227.8
52.5°	8172.8	7625.9	6849.7	9253.8	13632.0	15106.4	12372.7	8663.1	8445.7	10887.7	10795.5
55°	9722.8	9358.9	7804.2	10267.4	15772.7	17305.0	13915.6	9369.6	9981.5	12806.2	12248.6
57.5°	11646.1	11906.0	9180.6	11442.9	17697.2	19570.9	15465.5	10357.2	11975.7	14951.6	13092.1
60°	12886.6	15293.1	11816.2	13180.7	19883.9	22133.3	17589.7	12235.6	14071.5	15720.7	12931.5
62.5°	12586.5	16370.5	14972.9	15399.4	21894.6	23996.3	19671.3	14122.3	14466.1	14587.8	11693.4
65°	11666.2	15501.0	14329.0	15830.6	22403.8	24101.5	20227.7	13878.9	12271.1	11909.6	9399.1
67.5°	10399.7	14469.6	12799.1	14687.0	21483.5	22631.8	19191.6	12277.0	9483.0	8937.2	6819.0
70°	9032.9	13328.4	11795.0	13404.0	19729.2	20070.6	17430.2	10797.9	6974.9	6035.7	4375.9
72.5°	7735.7	12139.9	11107.4	12089.1	17388.8	16682.4	15137.1	9490.1	5078.8	4353.4	3110.6
75°	6409.0	10386.8	10128.0	10527.3	14311.3	13140.6	12577.0	7857.4	3986.0	3149.6	2146.6
77.5°	4945.3	8116.1	8711.5	8430.4	10073.7	9760.6	9748.8	5904.6	2912.1	2101.7	1345.6
80°	3384.7	5656.5	6806.0	5947.1	6537.8	6378.3	7342.3	3961.2	2112.3	1265.3	749.0
82.5°	1989.5	3443.7	4737.4	2879.0	3615.0	3710.7	4372.3	1926.8	1242.8	291.8	163.0
85°	806.9	1359.8	1852.4	1127.0	1743.7	1470.8	1659.8	541.1	346.1	7.1	0.0
87.5°	203.2	434.8	304.8	126.4	202.0	185.5	146.5	66.2	14.2	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2636.9	2609.7	2542.3	2475.0	2420.7	2347.4	2299.0	2241.1	2185.6	2135.9	2126.5
5°	2915.7	2825.9	2703.0	2590.8	2476.2	2365.1	2255.3	2139.5	2033.2	1968.2	1926.8
7.5°	3142.5	2984.2	2821.2	2678.2	2540.0	2410.0	2264.7	2124.1	1957.6	1869.0	1788.6
10°	3311.4	3103.5	2889.7	2725.5	2586.1	2459.6	2336.8	2195.0	1994.2	1883.1	1762.6
12.5°	3422.5	3175.6	2925.1	2737.3	2581.3	2483.3	2428.9	2373.4	2173.8	2043.8	1869.0
15°	3499.3	3226.4	2949.9	2710.1	2518.7	2446.7	2501.0	2564.8	2437.2	2287.2	2059.2
17.5°	3583.1	3292.5	2960.6	2636.9	2397.0	2366.3	2506.9	2654.6	2648.7	2499.8	2276.5
20°	3671.8	3350.4	2953.5	2518.7	2249.4	2276.5	2456.1	2627.4	2699.5	2619.1	2420.7
22.5°	3762.7	3405.9	2926.3	2365.1	2111.1	2196.2	2375.8	2525.8	2610.9	2586.1	2434.8
25°	3877.3	3483.9	2886.1	2199.7	1996.5	2114.7	2282.4	2404.1	2463.2	2462.0	2358.0
27.5°	4014.4	3587.9	2864.9	2066.2	1915.0	2022.5	2171.4	2280.1	2321.4	2321.4	2238.7
30°	4173.8	3710.7	2841.2	1978.8	1867.8	1926.8	2042.6	2148.9	2190.3	2190.3	2120.6
32.5°	4351.0	3828.9	2784.5	1925.7	1832.3	1833.5	1906.8	2003.6	2053.3	2060.3	2010.7
35°	4563.7	3955.3	2660.5	1883.1	1791.0	1742.5	1778.0	1858.3	1917.4	1932.7	1902.0
37.5°	4842.5	4110.0	2483.3	1820.5	1727.2	1646.9	1655.1	1716.6	1781.5	1805.2	1785.1
40°	5217.0	4292.0	2299.0	1730.7	1637.4	1541.7	1538.2	1583.1	1646.9	1672.8	1662.2
42.5°	5712.0	4510.5	2123.0	1644.5	1528.7	1430.7	1424.8	1460.2	1515.7	1542.9	1538.2
45°	6345.2	4778.7	1971.7	1577.2	1422.4	1325.5	1323.2	1352.7	1401.1	1429.5	1423.6
47.5°	7225.4	5046.9	1869.0	1541.7	1338.5	1239.3	1244.0	1270.0	1313.7	1333.8	1325.5
50°	8372.5	5128.4	1817.0	1541.7	1293.6	1162.5	1186.1	1207.4	1240.5	1252.3	1241.6
52.5°	9473.5	4859.0	1769.7	1551.2	1299.5	1097.5	1148.3	1163.7	1192.0	1196.7	1181.4
55°	10013.4	4177.4	1704.7	1553.5	1336.1	1042.0	1117.6	1145.9	1156.6	1155.4	1129.4
57.5°	9828.0	3377.6	1594.9	1544.1	1361.0	1006.5	1079.8	1134.1	1141.2	1130.6	1082.2
60°	9177.0	2486.8	1511.0	1474.4	1351.5	995.9	1021.9	1108.1	1118.8	1104.6	1025.4
62.5°	8085.4	1726.0	1446.0	1320.8	1310.2	992.4	930.9	1051.4	1077.4	1057.3	941.6
65°	6365.3	1219.2	1245.2	1157.8	1220.4	973.5	836.4	982.9	1018.4	987.6	824.6
67.5°	4307.3	880.1	1008.9	1049.1	1075.1	930.9	767.9	904.9	952.2	912.0	688.7
70°	2326.2	617.9	666.3	883.7	913.2	857.7	706.5	825.8	880.1	836.4	561.2
72.5°	1374.0	444.2	466.6	710.0	760.8	754.9	637.9	733.6	799.8	747.8	456.0
75°	757.3	300.1	333.2	515.1	617.9	582.4	548.2	621.4	688.7	637.9	352.1
77.5°	339.1	179.6	231.6	337.9	485.6	399.3	424.1	484.4	547.0	493.8	235.1
80°	131.1	100.4	153.6	184.3	353.2	220.9	272.9	356.8	401.7	359.1	142.9
82.5°	16.5	44.9	66.2	72.1	205.6	117.0	158.3	224.5	220.9	191.4	72.1
85°	0.0	8.3	9.5	4.7	88.6	42.5	52.0	73.2	68.5	52.0	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2068.6	2026.1	2004.8	1987.1	2003.6	2013.1	2013.1	2053.3	2076.9	2086.3	2152.5
5°	1822.9	1743.7	1690.6	1658.7	1669.3	1681.1	1694.1	1744.9	1779.2	1801.6	1904.4
7.5°	1629.1	1508.6	1434.2	1395.2	1401.1	1409.4	1420.0	1469.6	1503.9	1533.4	1648.0
10°	1533.4	1363.3	1265.3	1218.0	1209.7	1205.0	1201.5	1231.0	1257.0	1280.6	1394.0
12.5°	1538.2	1300.7	1181.4	1123.5	1098.7	1070.3	1047.9	1052.6	1069.2	1098.7	1170.8
15°	1598.4	1280.6	1137.7	1065.6	1024.3	991.2	964.0	958.1	964.0	968.7	1013.6
17.5°	1679.9	1278.3	1099.9	1010.1	967.6	940.4	915.6	907.3	908.5	914.4	926.2
20°	1744.9	1271.2	1057.3	956.9	919.1	895.5	870.7	862.4	864.8	866.0	879.0
22.5°	1779.2	1260.5	1010.1	903.8	871.9	848.2	825.8	824.6	824.6	831.7	841.1
25°	1779.2	1238.1	967.6	853.0	824.6	803.3	776.2	780.9	783.3	792.7	806.9
27.5°	1736.6	1195.6	933.3	809.3	779.7	758.5	733.6	739.5	743.1	753.7	771.4
30°	1682.3	1144.8	894.3	767.9	733.6	718.3	697.0	699.4	704.1	715.9	736.0
32.5°	1624.4	1084.5	862.4	726.6	692.3	680.5	656.9	660.4	665.1	678.1	700.6
35°	1560.6	1013.6	824.6	688.7	654.5	645.0	617.9	620.2	627.3	641.5	663.9
37.5°	1493.3	955.7	786.8	652.1	616.7	607.2	578.9	581.2	589.5	606.1	627.3
40°	1427.1	899.0	746.6	613.1	577.7	569.4	538.7	541.1	550.5	568.2	590.7
42.5°	1355.1	855.3	694.7	573.0	535.2	526.9	498.5	502.1	512.7	530.4	552.9
45°	1268.8	827.0	636.8	535.2	492.6	484.4	458.4	465.5	477.3	495.0	518.6
47.5°	1180.2	815.2	588.3	495.0	448.9	441.8	420.6	432.4	445.4	459.6	485.6
50°	1095.1	799.8	538.7	457.2	411.1	404.0	389.9	405.2	418.2	431.2	456.0
52.5°	998.3	766.7	493.8	424.1	379.2	376.9	369.8	384.0	395.8	407.6	428.8
55°	897.9	713.6	454.8	394.6	352.1	354.4	350.9	362.7	372.1	382.8	401.7
57.5°	810.4	646.2	424.1	362.7	328.4	335.5	330.8	336.7	342.6	355.6	371.0
60°	721.8	565.9	389.9	324.9	304.8	313.1	300.1	298.9	301.3	304.8	333.2
62.5°	602.5	482.0	347.3	291.8	278.8	282.4	257.5	238.6	238.6	242.2	284.7
65°	484.4	404.0	300.1	254.0	243.4	241.0	205.6	179.6	177.2	187.8	224.5
67.5°	398.1	335.5	252.8	211.5	204.4	206.7	180.8	154.8	152.4	164.2	191.4
70°	329.6	270.5	202.0	163.0	170.1	180.8	154.8	130.0	126.4	137.0	163.0
72.5°	262.3	211.5	154.8	120.5	140.6	153.6	126.4	102.8	100.4	109.9	134.7
75°	192.6	151.2	105.1	87.4	108.7	120.5	92.1	73.2	69.7	78.0	102.8
77.5°	119.3	85.1	66.2	52.0	74.4	80.3	48.4	42.5	41.3	47.3	65.0
80°	55.5	36.6	31.9	17.7	27.2	31.9	20.1	22.4	23.6	28.4	40.2
82.5°	15.4	5.9	1.2	0.0	0.0	9.5	4.7	9.5	11.8	17.7	26.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.9	10.6	18.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	9.5
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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CATALOG NUMBER: GALN-SB3C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6	2374.6
2.5°	2202.1	2249.4	2325.0	2402.9	2479.7	2557.7	2633.3	2660.5
5°	1997.7	2106.4	2256.4	2417.1	2582.5	2750.3	2903.8	2973.6
7.5°	1769.7	1925.7	2151.3	2402.9	2666.4	2929.8	3172.0	3284.3
10°	1526.4	1723.6	1981.2	2321.4	2699.5	3063.3	3396.5	3541.8
12.5°	1294.8	1501.5	1786.3	2193.8	2673.5	3140.1	3540.6	3711.9
15°	1101.1	1284.2	1591.3	2042.6	2589.6	3144.9	3609.1	3797.0
17.5°	955.7	1075.1	1392.9	1874.9	2479.7	3101.1	3632.8	3833.6
20°	883.7	916.8	1135.3	1659.8	2377.0	3059.8	3656.4	3867.9
22.5°	841.1	849.4	928.6	1382.2	2254.1	3046.8	3697.7	3915.1
25°	806.9	809.3	830.5	1095.1	2066.2	3038.5	3761.5	3980.1
27.5°	772.6	772.6	784.4	882.5	1811.1	3003.1	3844.2	4058.1
30°	738.4	738.4	746.6	780.9	1512.2	2933.4	3943.5	4159.7
32.5°	702.9	702.9	710.0	734.8	1207.4	2846.0	4034.4	4262.4
35°	667.5	665.1	674.6	700.6	960.5	2734.9	4125.4	4373.5
37.5°	629.7	628.5	637.9	667.5	829.3	2606.1	4193.9	4524.7
40°	589.5	589.5	600.1	632.0	791.5	2444.3	4302.6	4742.1
42.5°	552.9	550.5	562.3	601.3	763.2	2289.5	4497.5	5058.7
45°	517.4	512.7	523.4	571.8	713.6	2235.2	4861.4	5526.5
47.5°	484.4	472.6	482.0	536.3	668.7	2438.4	5456.8	6175.1
50°	457.2	434.8	443.0	500.9	634.4	2879.0	6229.5	7036.3
52.5°	428.8	399.3	404.0	457.2	603.7	3298.4	7067.1	8172.8
55°	399.3	366.2	368.6	413.5	560.0	3361.0	7884.6	9722.8
57.5°	366.2	335.5	335.5	373.3	528.1	2913.3	8513.1	11646.1
60°	329.6	309.5	303.6	341.4	556.4	2055.6	8586.3	12886.6
62.5°	289.4	278.8	270.5	310.7	577.7	1218.0	7996.8	12586.5
65°	243.4	241.0	235.1	341.4	486.7	719.5	6865.0	11666.2
67.5°	204.4	200.8	200.8	358.0	369.8	452.5	5363.5	10399.7
70°	176.0	163.0	163.0	270.5	224.5	313.1	3745.0	9032.9
72.5°	147.7	133.5	124.0	216.2	167.8	229.2	2340.3	7735.7
75°	118.1	107.5	95.7	142.9	125.2	173.7	1359.8	6409.0
77.5°	85.1	80.3	67.3	105.1	91.0	125.2	809.3	4945.3
80°	43.7	44.9	42.5	60.3	61.4	85.1	460.7	3384.7
82.5°	26.0	20.1	22.4	29.5	35.4	48.4	173.7	1989.5
85°	16.5	10.6	10.6	14.2	17.7	18.9	53.2	806.9
87.5°	8.3	3.5	4.7	7.1	5.9	4.7	2.4	203.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)