

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: P954016

Luminaire Tested: **GALN-SB7B-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954016
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-SB7B-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA 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: 18603 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

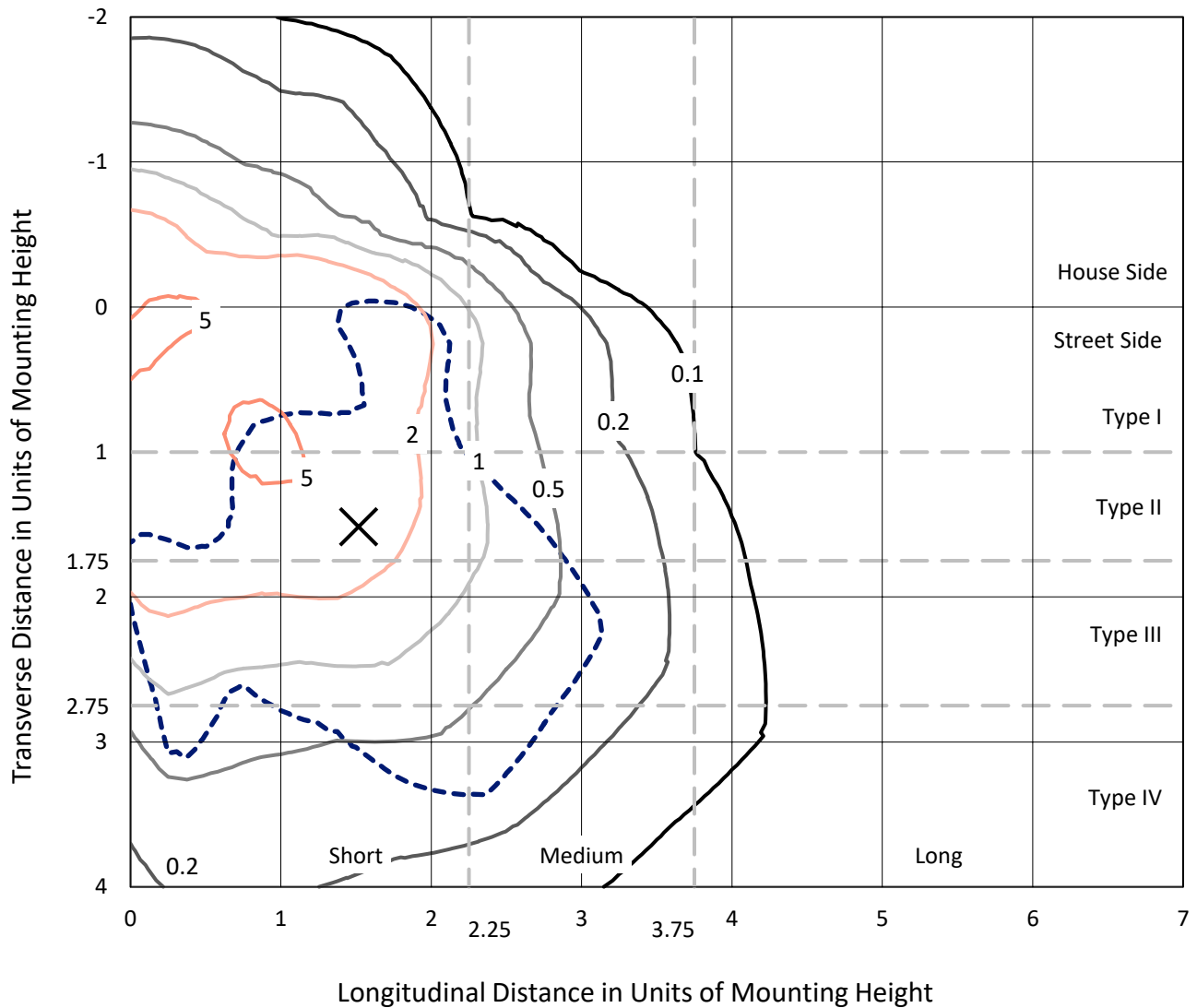
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

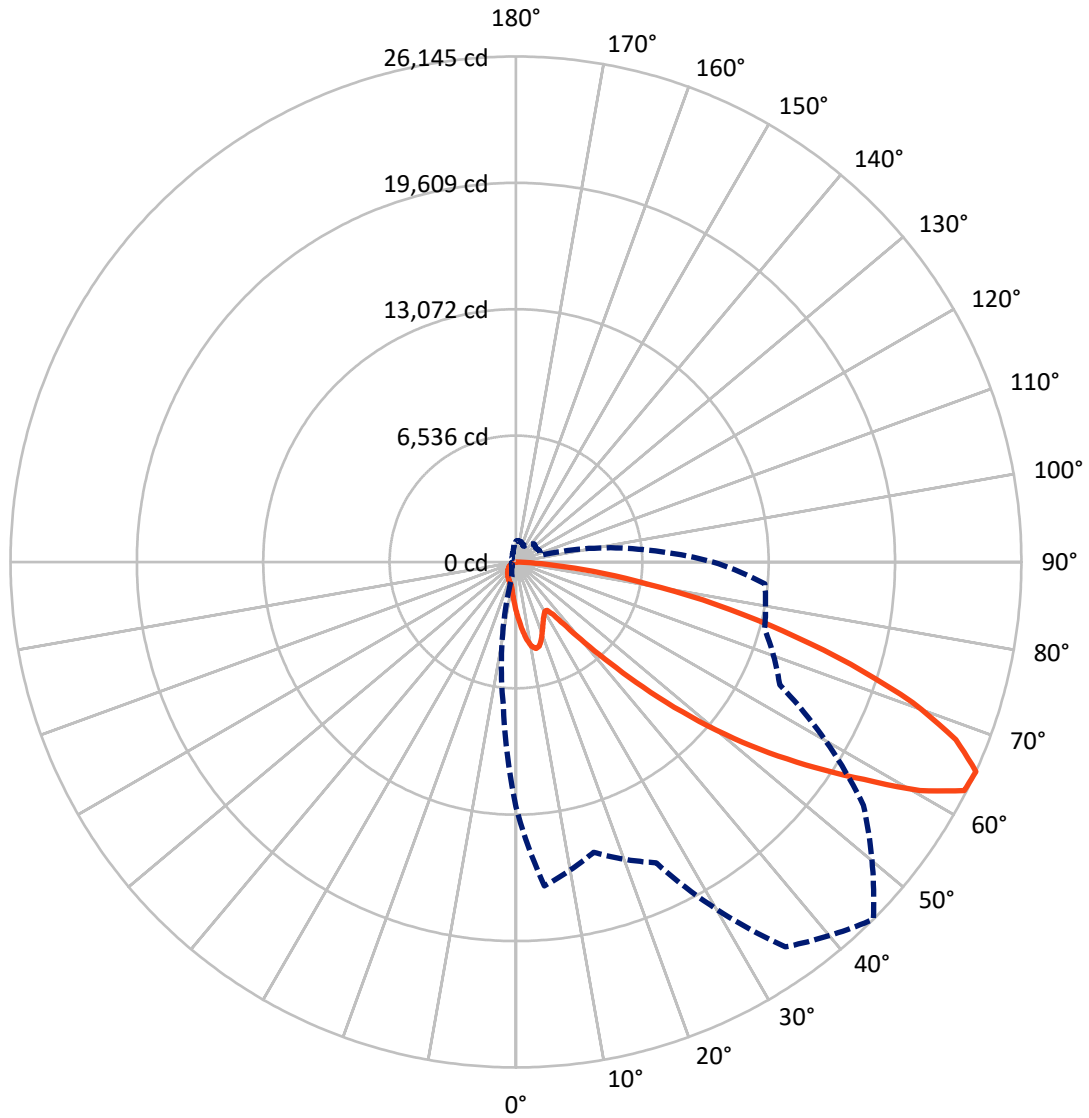
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3697.7	0.0	3697.7
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	14905.3	0.0	14905.3
	% Fixture	80.1	0.0	80.1
Total	Lumens	18603.0	0.0	18603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	1.4
10°-20°	760.2	4.1
20°-30°	1120.0	6.0
30°-40°	1438.9	7.7
40°-50°	2327.1	12.5
50°-60°	4080.8	21.9
60°-70°	5106.2	27.4
70°-80°	2983.8	16.0
80°-90°	532.4	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°	18603.0	100.0
0°-180°	18603.0	100.0

Coefficient of Utilization



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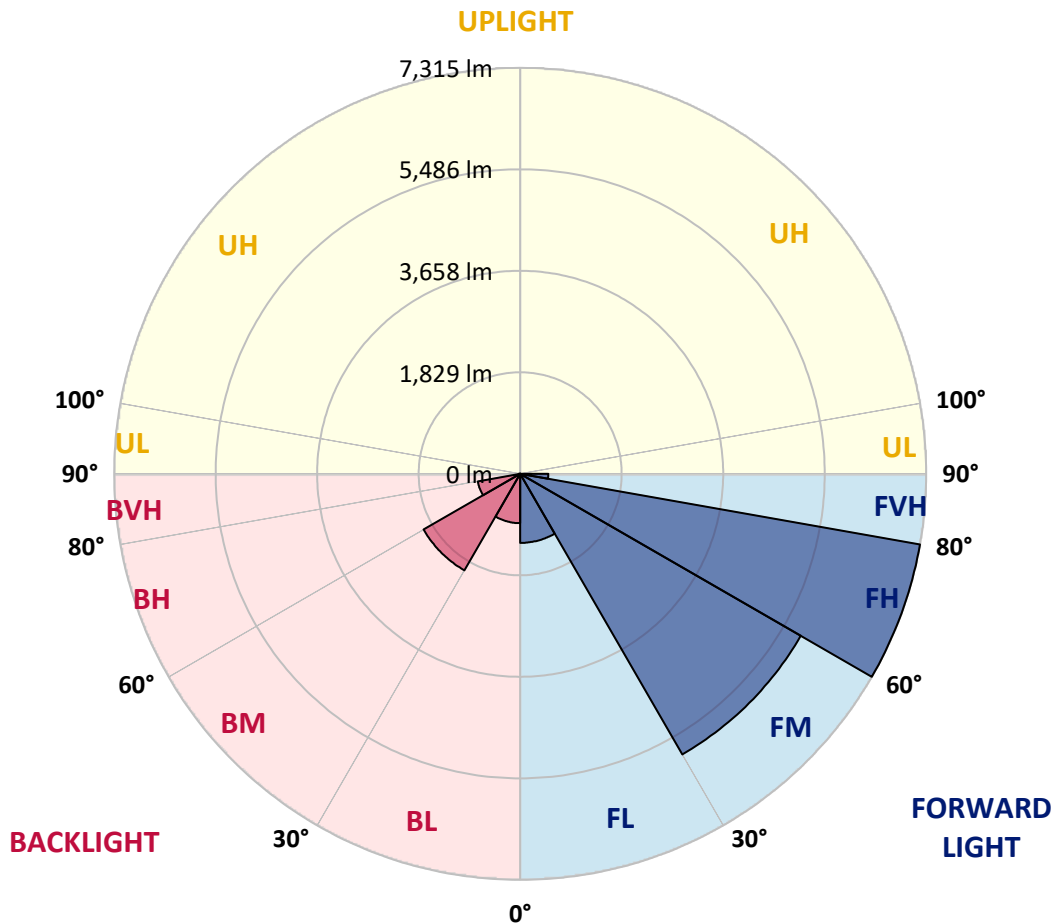
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1244.8	6.7			
FM (30°-60°)	5837.8	31.4			
FH (60°-80°)	7315.3	39.3			G3/7500
FVH (80°-90°)	507.4	2.7			G4/750
BL (0°-30°)	889.1	4.8	B2/1000		
BM (30°-60°)	2008.9	10.8	B2/2500		
BH (60°-80°)	774.7	4.2	B2/1000		G2/1000
BVH (80°-90°)	24.9	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9
2.5°	2886.1	2907.8	2956.5	2982.2	3021.9	3024.5	3024.5	2989.9	2988.6	2918.1
5°	3225.7	3276.9	3392.3	3511.5	3537.1	3543.5	3530.7	3461.5	3410.2	3273.1
7.5°	3562.7	3661.4	3837.0	3995.9	4047.1	4047.1	4016.4	3903.6	3798.5	3599.9
10°	3842.1	3966.4	4204.8	4382.9	4441.9	4429.0	4366.2	4224.0	4079.2	3838.2
12.5°	4026.6	4166.3	4427.8	4571.3	4631.5	4598.2	4526.4	4388.0	4235.5	3981.8
15°	4118.9	4265.0	4491.8	4567.5	4550.8	4516.2	4507.2	4440.6	4325.2	4088.2
17.5°	4158.6	4294.5	4452.1	4404.7	4263.7	4236.8	4326.5	4411.1	4382.9	4180.4
20°	4195.8	4309.9	4357.3	4147.1	3901.0	3876.7	4048.4	4289.4	4412.4	4266.3
22.5°	4247.1	4317.5	4220.2	3875.4	3610.1	3553.7	3743.4	4106.1	4421.4	4375.2
25°	4317.5	4336.8	4068.9	3617.8	3351.3	3294.9	3471.7	3902.3	4406.0	4493.1
27.5°	4402.1	4362.4	3924.1	3402.5	3144.9	3092.4	3269.2	3706.2	4362.4	4611.0
30°	4512.3	4395.7	3780.6	3235.9	2997.6	2959.1	3129.6	3537.1	4308.6	4761.0
32.5°	4623.8	4409.8	3647.3	3138.5	2964.2	2978.3	3118.0	3446.1	4249.6	4904.5
35°	4744.3	4454.7	3581.9	3234.6	3242.3	3365.4	3423.0	3530.7	4240.7	5099.3
37.5°	4908.3	4554.6	3660.1	3712.7	3979.2	4234.2	4186.8	3944.6	4344.5	5390.2
40°	5144.2	4730.2	4001.0	4526.4	5073.7	5487.6	5306.9	4696.9	4662.3	5809.3
42.5°	5487.6	5009.6	4605.9	5520.9	6448.8	7130.6	6646.1	5667.0	5218.5	6407.8
45°	5995.1	5462.0	5337.7	6570.5	8144.3	9218.2	8210.9	6701.2	5997.7	7313.8
47.5°	6698.7	6127.1	6023.3	7676.5	10205.0	11594.2	9946.1	7659.8	6884.5	8549.2
50°	7632.9	7022.9	6673.0	8886.3	12464.4	14016.3	11680.1	8585.1	7900.8	10058.9
52.5°	8865.8	8272.4	7430.4	10038.4	14787.8	16387.2	13421.7	9397.6	9161.8	11810.8
55°	10547.2	10152.5	8465.9	11138.0	17110.0	18772.2	15095.4	10164.0	10827.8	13892.0
57.5°	12633.5	12915.5	9958.9	12413.1	19197.7	21230.2	16776.8	11235.4	12991.1	16219.3
60°	13979.2	16589.7	12818.1	14298.3	21569.8	24009.9	19081.0	13273.0	15264.6	17053.6
62.5°	13653.7	17758.5	16242.4	16705.0	23751.0	26030.9	21339.1	15319.7	15692.6	15824.6
65°	12655.3	16815.2	15543.9	17172.8	24303.4	26144.9	21942.7	15055.7	13311.5	12919.3
67.5°	11281.5	15696.5	13884.3	15932.3	23305.0	24550.7	20818.8	13317.9	10287.0	9694.9
70°	9798.7	14458.5	12795.0	14540.5	21401.9	21772.3	18908.0	11713.4	7566.3	6547.5
72.5°	8391.6	13169.2	12049.2	13114.1	18863.2	18096.8	16420.5	10294.7	5509.4	4722.5
75°	6952.4	11267.4	10986.7	11419.9	15524.7	14254.7	13643.4	8523.6	4324.0	3416.6
77.5°	5364.6	8804.3	9450.2	9145.2	10927.8	10588.2	10575.4	6405.2	3159.0	2279.9
80°	3671.6	6136.1	7383.0	6451.3	7092.1	6919.1	7964.8	4297.0	2291.4	1372.5
82.5°	2158.1	3735.7	5139.0	3123.1	3921.6	4025.4	4743.0	2090.2	1348.2	316.5
85°	875.3	1475.1	2009.5	1222.6	1891.6	1595.5	1800.6	587.0	375.5	7.7
87.5°	220.4	471.6	330.6	137.1	219.1	201.2	158.9	71.8	15.4	0.0
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2575.9	0°	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9
2910.4	2.5°	2860.4	2830.9	2757.9	2684.9	2625.9	2546.4	2493.9	2431.1	2370.9	2317.0
3243.6	5°	3162.9	3065.5	2932.2	2810.4	2686.1	2565.7	2446.5	2320.9	2205.6	2135.1
3525.6	7.5°	3408.9	3237.2	3060.3	2905.3	2755.3	2614.4	2456.7	2304.2	2123.5	2027.4
3740.9	10°	3592.2	3366.6	3134.7	2956.5	2805.3	2668.2	2534.9	2381.1	2163.3	2042.8
3871.6	12.5°	3712.7	3444.8	3173.1	2969.4	2800.2	2693.8	2634.9	2574.6	2358.1	2217.1
3967.7	15°	3796.0	3499.9	3200.0	2939.9	2732.3	2654.1	2713.0	2782.3	2643.8	2481.1
4067.6	17.5°	3886.9	3571.7	3211.6	2860.4	2600.3	2566.9	2719.5	2879.6	2873.2	2711.8
4162.5	20°	3983.1	3634.5	3203.9	2732.3	2440.1	2469.6	2664.3	2850.2	2928.3	2841.2
4271.4	22.5°	4081.7	3694.7	3174.4	2565.7	2290.1	2382.4	2577.2	2740.0	2832.2	2805.3
4404.7	25°	4206.1	3779.3	3130.8	2386.3	2165.8	2294.0	2476.0	2608.0	2672.0	2670.8
4548.2	27.5°	4354.7	3892.1	3107.8	2241.4	2077.4	2194.0	2355.5	2473.4	2518.3	2518.3
4726.4	30°	4527.7	4025.4	3082.1	2146.6	2026.1	2090.2	2215.8	2331.1	2376.0	2376.0
4921.2	32.5°	4720.0	4153.5	3020.6	2088.9	1987.7	1989.0	2068.4	2173.5	2227.3	2235.0
5164.7	35°	4950.6	4290.6	2886.1	2042.8	1942.8	1890.3	1928.7	2015.9	2080.0	2096.6
5512.0	37.5°	5253.1	4458.5	2693.8	1974.9	1873.6	1786.5	1795.5	1862.1	1932.6	1958.2
5991.3	40°	5659.3	4655.9	2493.9	1877.5	1776.2	1672.4	1668.6	1717.3	1786.5	1814.7
6639.7	42.5°	6196.3	4893.0	2302.9	1783.9	1658.3	1552.0	1545.6	1584.0	1644.2	1673.7
7495.8	45°	6883.2	5183.9	2138.9	1710.9	1543.0	1437.9	1435.3	1467.4	1519.9	1550.7
8591.5	47.5°	7838.0	5474.8	2027.4	1672.4	1452.0	1344.3	1349.5	1377.7	1425.1	1446.9
10010.2	50°	9082.4	5563.2	1971.0	1672.4	1403.3	1261.0	1286.7	1309.7	1345.6	1358.4
11710.8	52.5°	10276.8	5271.0	1919.8	1682.7	1409.7	1190.6	1245.7	1262.3	1293.1	1298.2
13287.1	55°	10862.4	4531.6	1849.3	1685.2	1449.4	1130.3	1212.3	1243.1	1254.6	1253.4
14202.2	57.5°	10661.2	3664.0	1730.1	1675.0	1476.3	1091.9	1171.3	1230.3	1238.0	1226.4
14027.9	60°	9955.1	2697.7	1639.1	1599.4	1466.1	1080.3	1108.5	1202.1	1213.6	1198.3
12684.8	62.5°	8770.9	1872.3	1568.6	1432.8	1421.2	1076.5	1009.9	1140.6	1168.8	1147.0
10196.0	65°	6905.0	1322.6	1350.8	1255.9	1323.8	1056.0	907.3	1066.3	1104.7	1071.4
7397.1	67.5°	4672.5	954.8	1094.4	1138.0	1166.2	1009.9	833.0	981.7	1032.9	989.4
4746.9	70°	2523.4	670.3	722.8	958.6	990.6	930.4	766.4	895.8	954.8	907.3
3374.3	72.5°	1490.4	481.9	506.2	770.2	825.3	818.9	692.0	795.8	867.6	811.2
2328.6	75°	821.5	325.5	361.4	558.8	670.3	631.8	594.6	674.1	747.1	692.0
1459.7	77.5°	367.8	194.8	251.2	366.5	526.7	433.2	460.1	525.4	593.4	535.7
812.5	80°	142.3	108.9	166.6	199.9	383.2	239.7	296.0	387.0	435.7	389.6
176.9	82.5°	17.9	48.7	71.8	78.2	223.0	126.9	171.7	243.5	239.7	207.6
0.0	85°	0.0	9.0	10.3	5.1	96.1	46.1	56.4	79.5	74.3	56.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
2575.9	0°	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9
2306.8	2.5°	2244.0	2197.9	2174.8	2155.6	2173.5	2183.8	2183.8	2227.3	2253.0	2263.2
2090.2	5°	1977.4	1891.6	1833.9	1799.3	1810.8	1823.6	1837.7	1892.9	1930.0	1954.4
1940.3	7.5°	1767.3	1636.5	1555.8	1513.5	1519.9	1528.9	1540.4	1594.3	1631.4	1663.5
1912.1	10°	1663.5	1478.9	1372.5	1321.3	1312.3	1307.2	1303.3	1335.4	1363.6	1389.2
2027.4	12.5°	1668.6	1411.0	1281.6	1218.8	1191.8	1161.1	1136.7	1141.9	1159.8	1191.8
2233.7	15°	1733.9	1389.2	1234.1	1156.0	1111.1	1075.2	1045.7	1039.3	1045.7	1050.9
2469.6	17.5°	1822.4	1386.6	1193.1	1095.7	1049.6	1020.1	993.2	984.2	985.5	991.9
2625.9	20°	1892.9	1379.0	1147.0	1038.1	997.0	971.4	944.5	935.5	938.1	939.4
2641.3	22.5°	1930.0	1367.4	1095.7	980.4	945.8	920.2	895.8	894.5	894.5	902.2
2558.0	25°	1930.0	1343.1	1049.6	925.3	894.5	871.5	842.0	847.1	849.7	859.9
2428.5	27.5°	1883.9	1296.9	1012.4	877.9	845.8	822.8	795.8	802.3	806.1	817.6
2300.4	30°	1824.9	1241.8	970.1	833.0	795.8	779.2	756.1	758.7	763.8	776.6
2181.2	32.5°	1762.1	1176.5	935.5	788.2	751.0	738.2	712.5	716.4	721.5	735.6
2063.3	35°	1692.9	1099.6	894.5	747.1	710.0	699.7	670.3	672.8	680.5	695.9
1936.4	37.5°	1619.9	1036.8	853.5	707.4	669.0	658.7	628.0	630.5	639.5	657.4
1803.1	40°	1548.1	975.3	809.9	665.1	626.7	617.7	584.4	587.0	597.2	616.4
1668.6	42.5°	1469.9	927.8	753.6	621.6	580.5	571.6	540.8	544.7	556.2	575.4
1544.3	45°	1376.4	897.1	690.8	580.5	534.4	525.4	497.2	504.9	517.7	537.0
1437.9	47.5°	1280.3	884.3	638.2	537.0	487.0	479.3	456.2	469.0	483.1	498.5
1346.9	50°	1188.0	867.6	584.4	496.0	446.0	438.3	422.9	439.6	453.7	467.8
1281.6	52.5°	1082.9	831.7	535.7	460.1	411.4	408.8	401.1	416.5	429.3	442.1
1225.2	55°	974.0	774.1	493.4	428.0	381.9	384.5	380.6	393.4	403.7	415.2
1173.9	57.5°	879.1	701.0	460.1	393.4	356.3	364.0	358.8	365.2	371.7	385.7
1112.4	60°	783.0	613.9	422.9	352.4	330.6	339.6	325.5	324.2	326.8	330.6
1021.4	62.5°	653.6	522.9	376.8	316.5	302.4	306.3	279.4	258.9	258.9	262.7
894.5	65°	525.4	438.3	325.5	275.5	264.0	261.4	223.0	194.8	192.2	203.8
747.1	67.5°	431.9	364.0	274.3	229.4	221.7	224.3	196.1	167.9	165.3	178.1
608.7	70°	357.6	293.5	219.1	176.9	184.5	196.1	167.9	141.0	137.1	148.7
494.7	72.5°	284.5	229.4	167.9	130.7	152.5	166.6	137.1	111.5	108.9	119.2
381.9	75°	208.9	164.0	114.1	94.8	117.9	130.7	100.0	79.5	75.6	84.6
255.0	77.5°	129.4	92.3	71.8	56.4	80.7	87.1	52.5	46.1	44.9	51.3
155.1	80°	60.2	39.7	34.6	19.2	29.5	34.6	21.8	24.3	25.6	30.8
78.2	82.5°	16.7	6.4	1.3	0.0	0.0	10.3	5.1	10.3	12.8	19.2
6.4	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.4	11.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
0.0	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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 CATALOG NUMBER: GALN-SB7B-927-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2575.9	0°	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9	2575.9
2335.0	2.5°	2388.8	2440.1	2522.1	2606.7	2690.0	2774.6	2856.6	2886.1
2065.9	5°	2167.1	2285.0	2447.8	2622.1	2801.5	2983.5	3150.1	3225.7
1787.8	7.5°	1919.8	2088.9	2333.7	2606.7	2892.5	3178.2	3441.0	3562.7
1512.2	10°	1655.8	1869.8	2149.2	2518.3	2928.3	3323.1	3684.5	3842.1
1270.0	12.5°	1404.6	1628.9	1937.7	2379.8	2900.2	3406.4	3840.8	4026.6
1099.6	15°	1194.4	1393.0	1726.3	2215.8	2809.2	3411.5	3915.1	4118.9
1004.7	17.5°	1036.8	1166.2	1511.0	2033.8	2690.0	3364.1	3940.8	4158.6
953.5	20°	958.6	994.5	1231.6	1800.6	2578.5	3319.2	3966.4	4195.8
912.5	22.5°	912.5	921.4	1007.3	1499.4	2445.2	3305.1	4011.3	4247.1
875.3	25°	875.3	877.9	900.9	1188.0	2241.4	3296.2	4080.5	4317.5
836.9	27.5°	838.1	838.1	851.0	957.3	1964.6	3257.7	4170.2	4402.1
798.4	30°	801.0	801.0	809.9	847.1	1640.4	3182.1	4277.8	4512.3
760.0	32.5°	762.5	762.5	770.2	797.1	1309.7	3087.3	4376.5	4623.8
720.2	35°	724.1	721.5	731.8	760.0	1041.9	2966.8	4475.2	4744.3
680.5	37.5°	683.1	681.8	692.0	724.1	899.6	2827.1	4549.5	4908.3
640.8	40°	639.5	639.5	651.0	685.6	858.6	2651.5	4667.4	5144.2
599.8	42.5°	599.8	597.2	610.0	652.3	827.9	2483.6	4878.9	5487.6
562.6	45°	561.3	556.2	567.7	620.3	774.1	2424.7	5273.6	5995.1
526.7	47.5°	525.4	512.6	522.9	581.8	725.4	2645.1	5919.5	6698.7
494.7	50°	496.0	471.6	480.6	543.4	688.2	3123.1	6757.6	7632.9
465.2	52.5°	465.2	433.2	438.3	496.0	654.9	3578.1	7666.2	8865.8
435.7	55°	433.2	397.3	399.8	448.5	607.5	3646.0	8553.1	10547.2
402.4	57.5°	397.3	364.0	364.0	405.0	572.9	3160.3	9234.9	12633.5
361.4	60°	357.6	335.8	329.4	370.4	603.6	2229.9	9314.3	13979.2
308.9	62.5°	314.0	302.4	293.5	337.0	626.7	1321.3	8674.8	13653.7
243.5	65°	264.0	261.4	255.0	370.4	528.0	780.5	7447.1	12655.3
207.6	67.5°	221.7	217.9	217.9	388.3	401.1	490.8	5818.2	11281.5
176.9	70°	191.0	176.9	176.9	293.5	243.5	339.6	4062.5	9798.7
146.1	72.5°	160.2	144.8	134.6	234.5	182.0	248.6	2538.8	8391.6
111.5	75°	128.2	116.6	103.8	155.1	135.8	188.4	1475.1	6952.4
70.5	77.5°	92.3	87.1	73.0	114.1	98.7	135.8	877.9	5364.6
43.6	80°	47.4	48.7	46.1	65.4	66.6	92.3	499.8	3671.6
28.2	82.5°	28.2	21.8	24.3	32.0	38.4	52.5	188.4	2158.1
20.5	85°	17.9	11.5	11.5	15.4	19.2	20.5	57.7	875.3
10.3	87.5°	9.0	3.8	5.1	7.7	6.4	5.1	2.6	220.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)