

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: P954375

Luminaire Tested: **GALN-SB7C-927-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954375
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-SB7C-927-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24742 lumens
Efficiency: N/A
Efficacy: 70.6 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

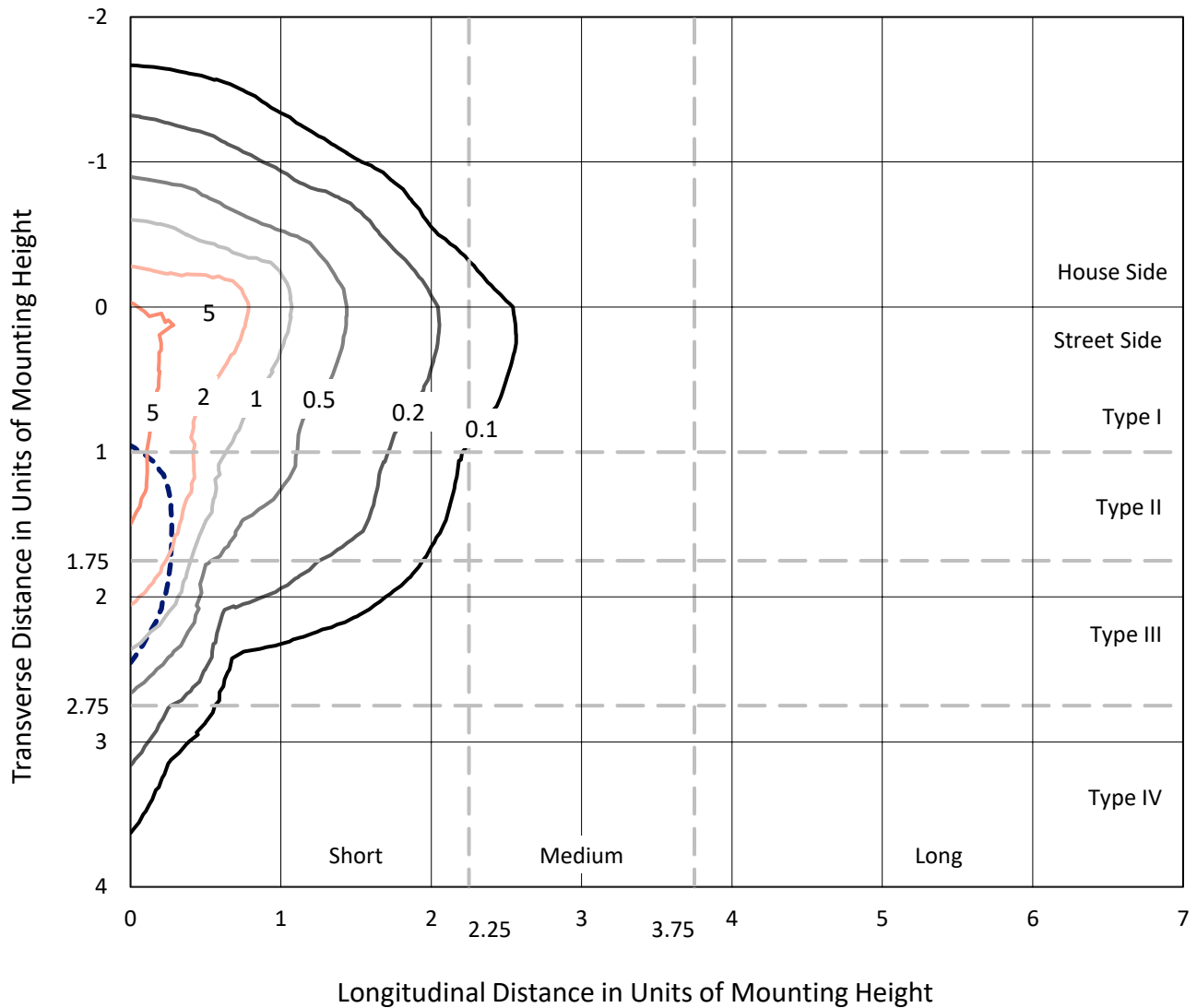
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

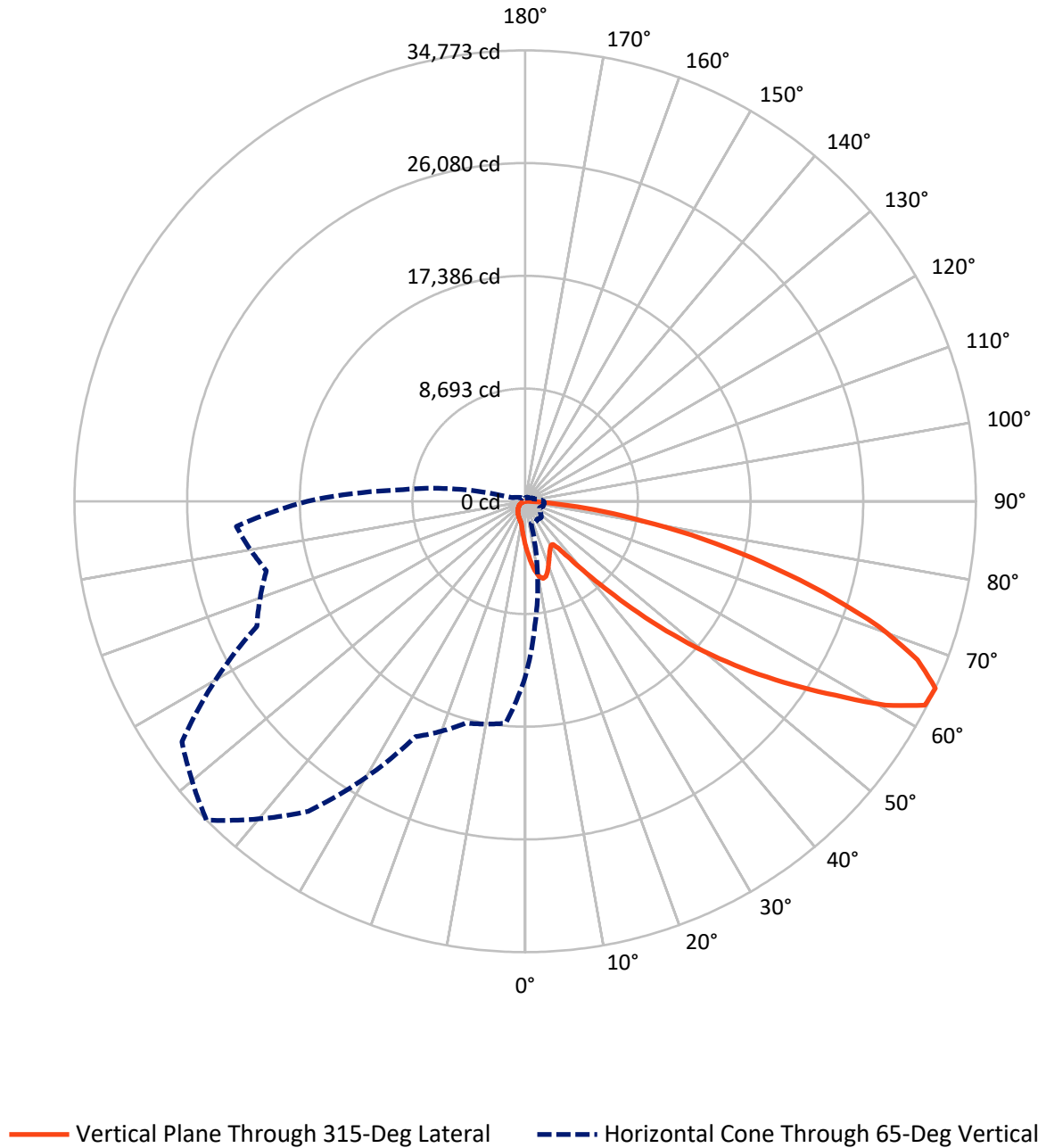
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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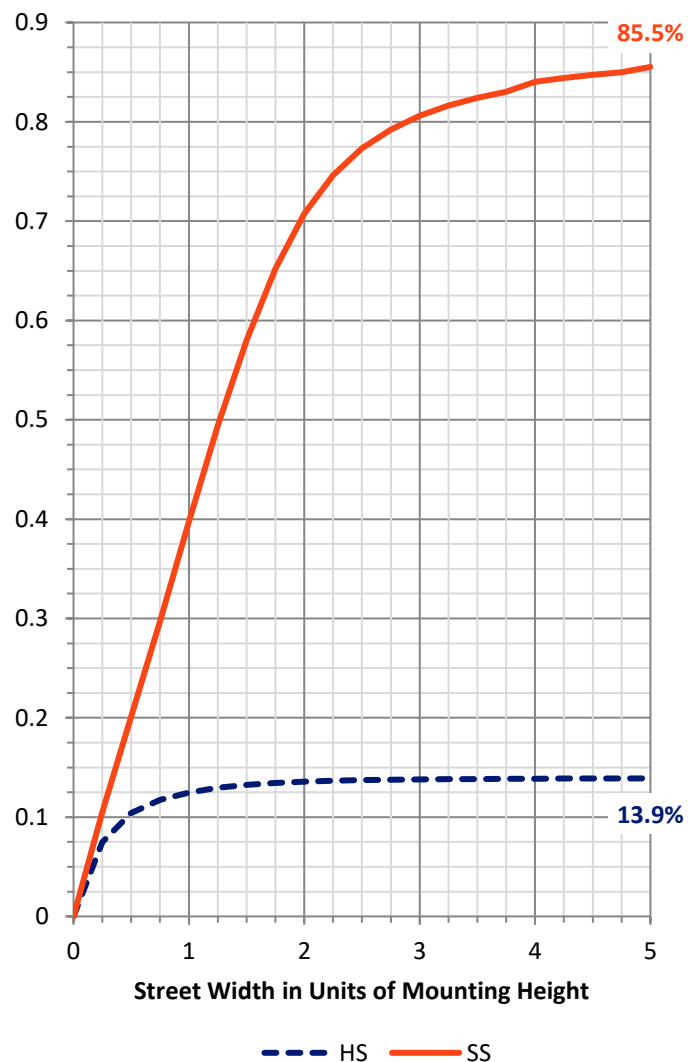
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3464.9	0.0	3464.9
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	21277.1	0.0	21277.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	24742.0	0.0	24742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.3	1.4
10°-20°	1011.1	4.1
20°-30°	1489.6	6.0
30°-40°	1913.7	7.7
40°-50°	3095.0	12.5
50°-60°	5427.5	21.9
60°-70°	6791.2	27.4
70°-80°	3968.5	16.0
80°-90°	708.0	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°	24742.0	100.0
0°-180°	24742.0	100.0

Coefficient of Utilization



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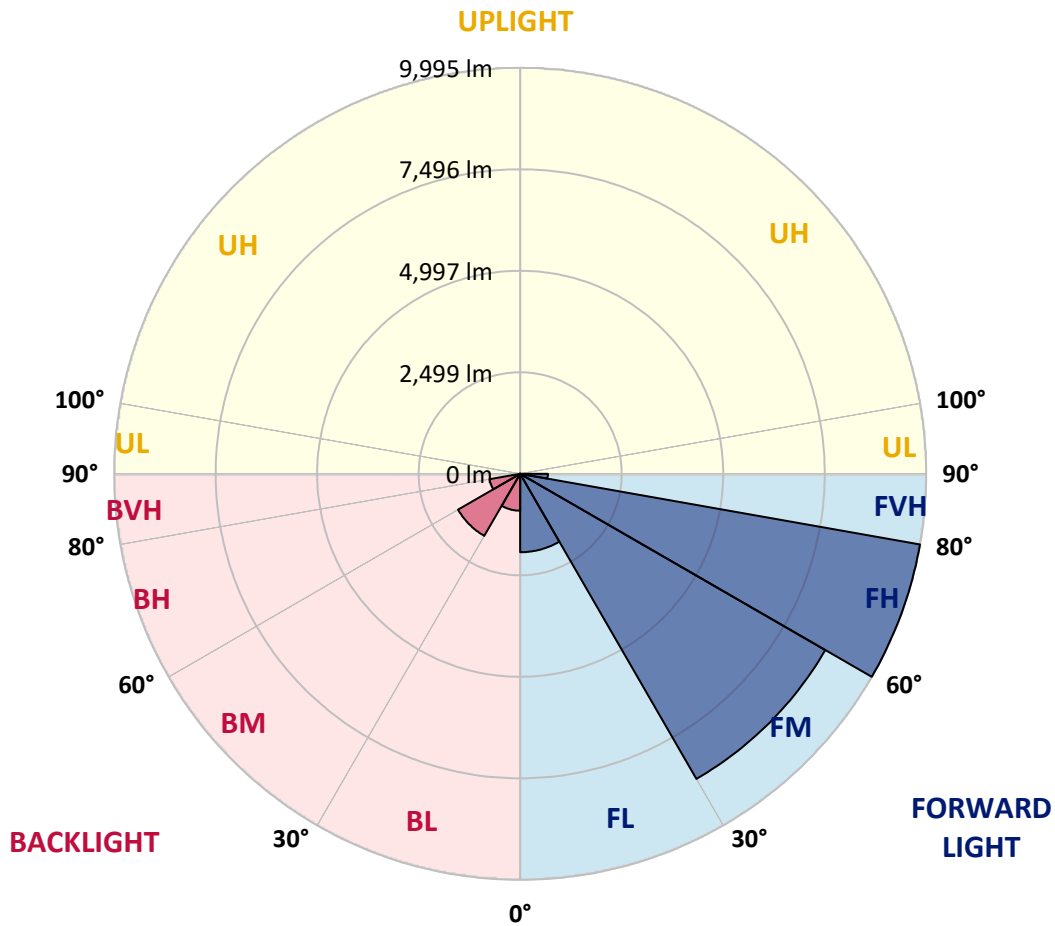
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1929.8	7.8			
FM (30°-60°)	8671.8	35.0			
FH (60°-80°)	9994.6	40.4			G4/12000
FVH (80°-90°)	680.8	2.8			G4/750
BL (0°-30°)	908.2	3.7	B2/1000		
BM (30°-60°)	1764.4	7.1	B2/2500		
BH (60°-80°)	765.1	3.1	B2/1000		G2/1000
BVH (80°-90°)	27.2	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°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
2.5°	3870.8	3804.4	3765.2	3668.0	3570.9	3492.4	3386.8	3316.9	3233.4	3153.3
5°	4314.0	4206.6	4077.1	3899.8	3737.9	3572.6	3412.3	3253.8	3086.8	2933.4
7.5°	4689.0	4533.9	4305.5	4070.3	3864.0	3664.6	3477.1	3267.5	3064.6	2824.3
10°	4975.3	4777.6	4477.6	4169.1	3932.2	3731.1	3548.7	3371.4	3166.9	2877.1
12.5°	5149.2	4937.8	4581.6	4220.3	3949.2	3724.3	3582.8	3504.4	3424.3	3136.2
15°	5277.0	5048.6	4654.9	4256.0	3910.0	3633.9	3529.9	3608.4	3700.4	3516.3
17.5°	5410.0	5169.6	4750.3	4271.4	3804.4	3458.4	3414.0	3616.9	3829.9	3821.4
20°	5536.1	5297.5	4833.9	4261.2	3633.9	3245.3	3284.5	3543.6	3790.7	3894.7
22.5°	5681.0	5428.7	4914.0	4222.0	3412.3	3045.9	3168.6	3427.7	3644.1	3766.9
25°	5858.2	5594.1	5026.5	4164.0	3173.7	2880.5	3051.0	3293.0	3468.6	3553.8
27.5°	6049.1	5791.8	5176.5	4133.3	2981.1	2762.9	2918.0	3132.8	3289.6	3349.3
30°	6286.1	6021.9	5353.7	4099.2	2855.0	2694.8	2780.0	2947.0	3100.4	3160.1
32.5°	6545.1	6277.5	5524.2	4017.4	2778.3	2643.6	2645.3	2751.0	2890.8	2962.4
35°	6869.0	6584.3	5706.5	3838.5	2716.9	2584.0	2514.1	2565.2	2681.1	2766.3
37.5°	7330.9	6986.6	5929.8	3582.8	2626.6	2491.9	2376.0	2388.0	2476.6	2570.3
40°	7968.4	7526.9	6192.3	3316.9	2497.0	2362.4	2224.3	2219.2	2284.0	2376.0
42.5°	8830.8	8241.1	6507.6	3062.9	2372.6	2205.6	2064.1	2055.6	2106.7	2186.8
45°	9969.4	9154.7	6894.6	2844.8	2275.5	2052.2	1912.4	1909.0	1951.6	2021.5
47.5°	11426.7	10424.5	7281.5	2696.5	2224.3	1931.2	1788.0	1794.8	1832.3	1895.4
50°	13313.6	12079.5	7399.1	2621.5	2224.3	1866.4	1677.2	1711.3	1742.0	1789.7
52.5°	15575.4	13668.1	7010.5	2553.3	2238.0	1874.9	1583.4	1656.7	1678.9	1719.8
55°	17671.9	14447.0	6027.0	2459.5	2241.4	1927.8	1503.3	1612.4	1653.3	1668.7
57.5°	18888.9	14179.4	4873.1	2301.0	2227.7	1963.5	1452.2	1557.9	1636.3	1646.5
60°	18657.1	13240.3	3587.9	2180.0	2127.2	1949.9	1436.9	1474.4	1598.8	1614.1
62.5°	16870.8	11665.4	2490.2	2086.3	1905.6	1890.3	1431.8	1343.1	1517.0	1554.5
65°	13560.7	9183.7	1759.0	1796.5	1670.4	1760.7	1404.5	1206.8	1418.1	1469.2
67.5°	9838.2	6214.5	1269.8	1455.6	1513.6	1551.1	1343.1	1107.9	1305.6	1373.8
70°	6313.3	3356.1	891.4	961.3	1274.9	1317.6	1237.4	1019.3	1191.4	1269.8
72.5°	4487.9	1982.3	640.9	673.3	1024.4	1097.7	1089.2	920.4	1058.5	1153.9
75°	3097.0	1092.6	432.9	480.7	743.1	891.4	840.3	790.9	896.5	993.7
77.5°	1941.4	489.2	259.1	334.1	487.5	700.5	576.1	611.9	698.8	789.2
80°	1080.6	189.2	144.9	221.6	265.9	509.6	318.7	393.7	514.7	579.5
82.5°	235.2	23.9	64.8	95.5	104.0	296.6	168.7	228.4	323.8	318.7
85°	0.0	0.0	11.9	13.6	6.8	127.8	61.4	75.0	105.7	98.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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°
3426.0	0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
3081.7	2.5°	3068.0	2984.5	2923.2	2892.5	2866.9	2890.8	2904.4	2904.4	2962.4	2996.5
2839.6	5°	2780.0	2630.0	2515.8	2439.1	2393.1	2408.4	2425.5	2444.2	2517.5	2566.9
2696.5	7.5°	2580.6	2350.5	2176.6	2069.2	2013.0	2021.5	2033.4	2048.8	2120.4	2169.8
2716.9	10°	2543.1	2212.4	1967.0	1825.5	1757.3	1745.4	1738.6	1733.4	1776.1	1813.6
2948.7	12.5°	2696.5	2219.2	1876.6	1704.5	1620.9	1585.2	1544.2	1511.9	1518.7	1542.5
3299.8	15°	2970.9	2306.1	1847.6	1641.4	1537.4	1477.8	1430.0	1390.8	1382.3	1390.8
3606.6	17.5°	3284.5	2423.7	1844.2	1586.9	1457.3	1396.0	1356.8	1321.0	1309.0	1310.7
3778.8	20°	3492.4	2517.5	1834.0	1525.5	1380.6	1326.1	1292.0	1256.2	1244.3	1247.7
3731.1	22.5°	3512.9	2566.9	1818.7	1457.3	1303.9	1257.9	1223.8	1191.4	1189.7	1189.7
3552.1	25°	3402.1	2566.9	1786.3	1396.0	1230.6	1189.7	1159.0	1119.8	1126.7	1130.1
3349.3	27.5°	3230.0	2505.6	1724.9	1346.5	1167.6	1124.9	1094.3	1058.5	1067.0	1072.1
3160.1	30°	3059.5	2427.2	1651.6	1290.3	1107.9	1058.5	1036.3	1005.6	1009.0	1015.9
2972.6	32.5°	2901.0	2343.6	1564.7	1244.3	1048.2	998.8	981.8	947.7	952.8	959.6
2788.5	35°	2744.2	2251.6	1462.4	1189.7	993.7	944.3	930.6	891.4	894.8	905.1
2604.4	37.5°	2575.4	2154.4	1378.9	1135.2	940.9	889.7	876.1	835.2	838.6	850.5
2413.5	40°	2398.2	2059.0	1297.1	1077.2	884.6	833.5	821.6	777.2	780.6	794.3
2226.0	42.5°	2219.2	1955.0	1234.0	1002.2	826.7	772.1	760.2	719.3	724.4	739.7
2062.4	45°	2053.9	1830.6	1193.1	918.7	772.1	710.8	698.8	661.3	671.6	688.6
1924.3	47.5°	1912.4	1702.8	1176.1	848.8	714.2	647.7	637.5	606.8	623.8	642.6
1806.7	50°	1791.4	1580.0	1153.9	777.2	659.6	593.2	582.9	562.5	584.6	603.4
1726.6	52.5°	1704.5	1440.3	1106.2	712.5	611.9	547.1	543.7	533.5	554.0	571.0
1667.0	55°	1629.5	1295.4	1029.5	656.2	569.3	507.9	511.3	506.2	523.3	536.9
1631.2	57.5°	1561.3	1169.3	932.3	611.9	523.3	473.8	484.1	477.3	485.8	494.3
1593.7	60°	1479.5	1041.4	816.4	562.5	468.7	439.8	451.7	432.9	431.2	434.6
1525.5	62.5°	1358.5	869.3	695.4	501.1	421.0	402.3	407.4	371.6	344.3	344.3
1424.9	65°	1189.7	698.8	582.9	432.9	366.5	351.1	347.7	296.6	259.1	255.7
1315.8	67.5°	993.7	574.4	484.1	364.8	305.1	294.9	298.3	260.8	223.3	219.9
1206.8	70°	809.6	475.5	390.3	291.5	235.2	245.4	260.8	223.3	187.5	182.4
1078.9	72.5°	657.9	378.4	305.1	223.3	173.9	202.8	221.6	182.4	148.3	144.9
920.4	75°	507.9	277.8	218.2	151.7	126.1	156.8	173.9	132.9	105.7	100.6
712.5	77.5°	339.2	172.2	122.7	95.5	75.0	107.4	115.9	69.9	61.4	59.7
518.2	80°	206.2	80.1	52.8	46.0	25.6	39.2	46.0	29.0	32.4	34.1
276.1	82.5°	104.0	22.2	8.5	1.7	0.0	0.0	13.6	6.8	13.6	17.0
75.0	85°	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	8.5
0.0	87.5°	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3426.0	0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
3010.1	2.5°	3105.5	3177.1	3245.3	3354.4	3466.9	3577.7	3690.2	3799.3	3838.5	3867.4
2599.3	5°	2747.6	2882.3	3039.1	3255.5	3487.3	3726.0	3968.0	4189.6	4290.1	4358.3
2212.4	7.5°	2377.7	2553.3	2778.3	3103.8	3466.9	3847.0	4227.1	4576.5	4738.4	4869.7
1847.6	10°	2011.3	2202.2	2486.8	2858.4	3349.3	3894.7	4419.7	4900.3	5110.0	5275.3
1585.2	12.5°	1689.1	1868.1	2166.4	2577.2	3165.2	3857.2	4530.5	5108.3	5355.4	5541.2
1397.7	15°	1462.4	1588.6	1852.8	2295.9	2947.0	3736.2	4537.3	5207.1	5478.2	5672.5
1319.3	17.5°	1336.3	1378.9	1551.1	2009.6	2705.0	3577.7	4474.2	5241.2	5531.0	5711.7
1249.4	20°	1268.1	1274.9	1322.7	1638.0	2394.8	3429.4	4414.6	5275.3	5580.4	5732.1
1199.9	22.5°	1213.6	1213.6	1225.5	1339.7	1994.2	3252.1	4395.8	5335.0	5648.6	5742.3
1143.7	25°	1164.1	1164.1	1167.6	1198.2	1580.0	2981.1	4383.9	5427.0	5742.3	5767.9
1087.4	27.5°	1113.0	1114.7	1114.7	1131.8	1273.2	2612.9	4332.8	5546.3	5854.8	5802.0
1032.9	30°	1061.9	1065.3	1065.3	1077.2	1126.7	2181.7	4232.2	5689.5	6001.4	5846.3
978.4	32.5°	1010.7	1014.2	1014.2	1024.4	1060.2	1742.0	4106.1	5820.7	6149.7	5865.1
925.5	35°	957.9	963.0	959.6	973.2	1010.7	1385.7	3945.8	5952.0	6309.9	5924.7
874.4	37.5°	905.1	908.5	906.8	920.4	963.0	1196.5	3760.1	6050.9	6528.1	6057.7
819.8	40°	852.2	850.5	850.5	865.9	911.9	1142.0	3526.5	6207.7	6841.7	6291.2
765.3	42.5°	797.7	797.7	794.3	811.3	867.6	1101.1	3303.3	6488.9	7298.5	6662.8
714.2	45°	748.3	746.6	739.7	755.1	825.0	1029.5	3224.8	7013.9	7973.5	7264.4
663.0	47.5°	700.5	698.8	681.8	695.4	773.8	964.7	3518.0	7872.9	8909.2	8149.0
622.1	50°	657.9	659.6	627.2	639.2	722.7	915.3	4153.8	8987.6	10151.8	9340.5
588.0	52.5°	618.7	618.7	576.1	582.9	659.6	871.0	4758.9	10196.1	11791.5	11002.3
552.2	55°	579.5	576.1	528.4	531.8	596.6	807.9	4849.2	11375.6	14027.7	13502.8
513.0	57.5°	535.2	528.4	484.1	484.1	538.6	761.9	4203.2	12282.4	16802.6	17177.6
439.8	60°	480.7	475.5	446.6	438.0	492.6	802.8	2965.8	12388.1	18592.3	22064.3
349.4	62.5°	410.8	417.6	402.3	390.3	448.3	833.5	1757.3	11537.5	18159.4	23618.8
271.0	65°	323.8	351.1	347.7	339.2	492.6	702.2	1038.0	9904.6	16831.6	22364.3
236.9	67.5°	276.1	294.9	289.8	289.8	516.5	533.5	652.8	7738.3	15004.4	20876.3
197.7	70°	235.2	254.0	235.2	235.2	390.3	323.8	451.7	5403.2	13032.3	19229.8
158.5	72.5°	194.3	213.1	192.6	179.0	311.9	242.0	330.7	3376.5	11160.8	17515.1
112.5	75°	148.3	170.4	155.1	138.1	206.2	180.7	250.6	1961.8	9246.7	14985.7
68.2	77.5°	93.7	122.7	115.9	97.2	151.7	131.2	180.7	1167.6	7134.9	11709.7
40.9	80°	58.0	63.1	64.8	61.4	86.9	88.6	122.7	664.7	4883.3	8161.0
25.6	82.5°	37.5	37.5	29.0	32.4	42.6	51.1	69.9	250.6	2870.3	4968.5
15.3	85°	27.3	23.9	15.3	15.3	20.5	25.6	27.3	76.7	1164.1	1961.8
6.8	87.5°	13.6	11.9	5.1	6.8	10.2	8.5	6.8	3.4	293.2	627.2
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-SB7C-927-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3426.0	0°	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0	3426.0
3932.2	2.5°	3966.3	4019.1	4022.5	4022.5	3976.5	3974.8	3881.1	3870.8
4511.7	5°	4670.2	4704.3	4712.8	4695.8	4603.8	4535.6	4353.2	4314.0
5103.2	7.5°	5314.5	5382.7	5382.7	5341.8	5191.8	5052.0	4787.8	4689.0
5592.4	10°	5829.3	5907.7	5890.6	5807.1	5617.9	5425.3	5104.9	4975.3
5888.9	12.5°	6079.8	6159.9	6115.6	6020.2	5836.1	5633.3	5295.8	5149.2
5974.2	15°	6074.7	6052.6	6006.5	5994.6	5906.0	5752.6	5437.2	5277.0
5921.3	17.5°	5858.2	5670.8	5635.0	5754.3	5866.8	5829.3	5560.0	5410.0
5795.2	20°	5515.6	5188.4	5156.0	5384.4	5704.8	5868.5	5674.2	5536.1
5612.8	22.5°	5154.3	4801.5	4726.5	4978.7	5461.1	5880.4	5819.0	5681.0
5411.7	25°	4811.7	4457.2	4382.2	4617.4	5190.1	5860.0	5975.9	5858.2
5219.1	27.5°	4525.4	4182.8	4112.9	4348.1	4929.3	5802.0	6132.7	6049.1
5028.2	30°	4303.8	3986.7	3935.6	4162.3	4704.3	5730.4	6332.1	6286.1
4850.9	32.5°	4174.2	3942.4	3961.2	4147.0	4583.3	5652.0	6523.0	6545.1
4764.0	35°	4302.1	4312.3	4475.9	4552.6	4695.8	5640.1	6782.1	6869.0
4868.0	37.5°	4937.8	5292.4	5631.6	5568.5	5246.3	5778.1	7169.0	7330.9
5321.3	40°	6020.2	6748.0	7298.5	7058.2	6246.9	6200.8	7726.3	7968.4
6125.8	42.5°	7342.8	8576.9	9483.6	8839.4	7537.1	6940.6	8522.3	8830.8
7099.1	45°	8738.8	10831.9	12260.2	10920.5	8912.6	7976.9	9727.4	9969.4
8011.0	47.5°	10209.7	13572.7	15420.3	13228.4	10187.6	9156.4	11370.5	11426.7
8875.2	50°	11818.8	16577.6	18641.7	15534.5	11418.2	10508.0	13378.3	13313.6
9882.5	52.5°	13351.1	19667.8	21795.0	17850.9	12498.8	12185.2	15708.4	15575.4
11259.7	55°	14813.5	22756.3	24967.0	20076.9	13518.1	14401.0	18476.4	17671.9
13245.4	57.5°	16509.5	25532.9	28236.2	22313.2	14943.0	17278.2	21571.7	18888.9
17048.1	60°	19016.7	28687.9	31933.2	25377.8	17653.1	20301.9	22681.3	18657.1
21602.4	62.5°	22217.7	31588.9	34621.1	28381.1	20375.2	20871.2	21046.7	16870.8
20673.5	65°	22839.8	32323.5	34772.8	29183.9	20024.1	17704.3	17182.7	13560.7
18466.2	67.5°	21189.9	30995.7	32652.4	27689.0	17712.8	13681.7	12894.3	9838.2
17017.4	70°	19338.9	28464.6	28957.2	25147.7	15578.8	10063.2	8708.1	6313.3
16025.4	72.5°	17441.8	25088.0	24068.8	21839.3	13692.0	7327.5	6281.0	4487.9
14612.4	75°	15188.5	20647.9	18958.8	18145.7	11336.4	5750.9	4544.1	3097.0
12568.7	77.5°	12163.1	14534.0	14082.3	14065.2	8518.9	4201.5	3032.2	1941.4
9819.4	80°	8580.3	9432.5	9202.4	10593.3	5715.1	3047.6	1825.5	1080.6
6834.9	82.5°	4153.8	5215.7	5353.7	6308.2	2780.0	1793.1	421.0	235.2
2672.6	85°	1626.1	2515.8	2122.1	2394.8	780.6	499.4	10.2	0.0
439.8	87.5°	182.4	291.5	267.6	211.4	95.5	20.5	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)