

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: P948514

Luminaire Tested: **GALN-SB3C-750-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948514
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-750-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 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: 18143 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

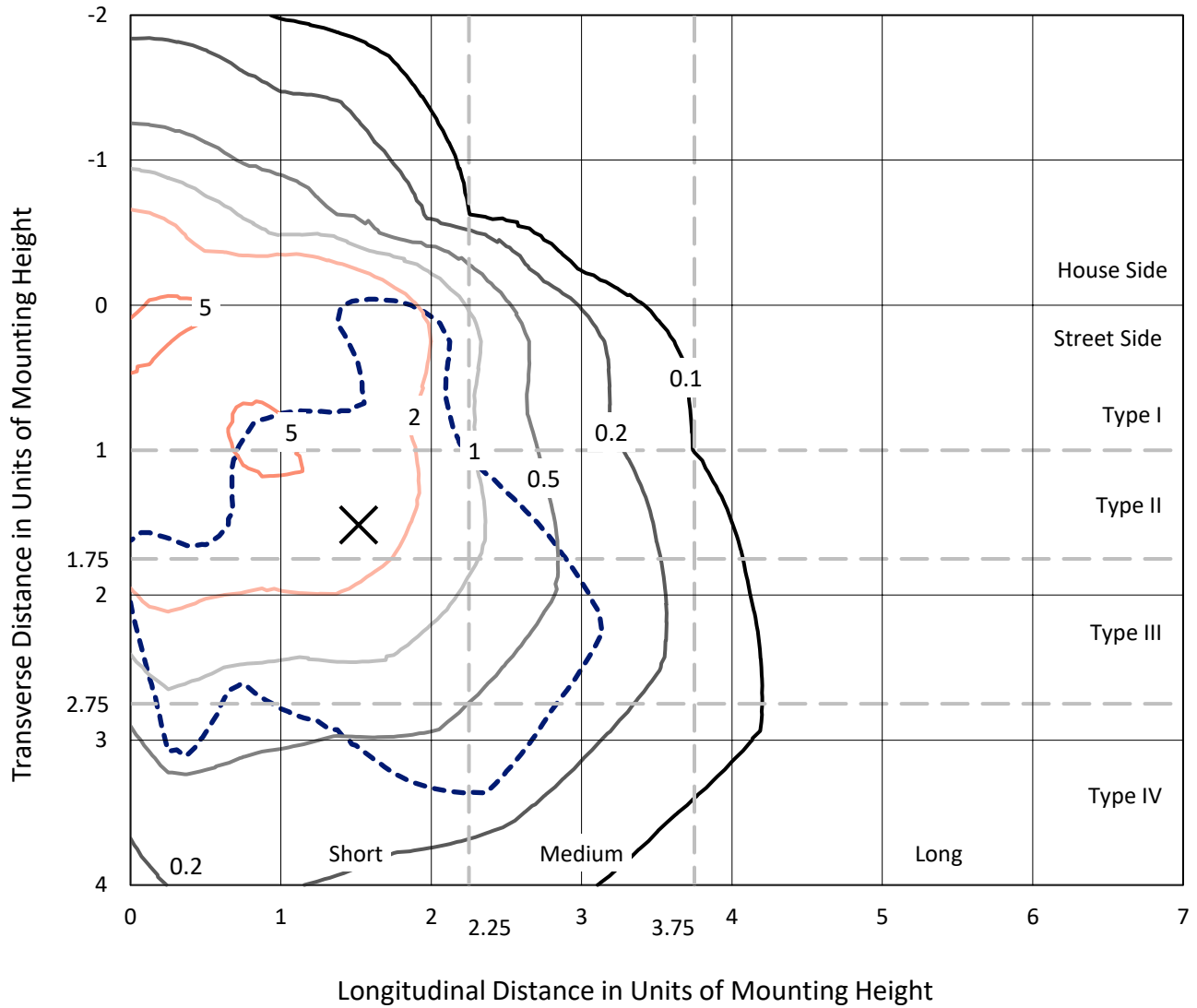
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

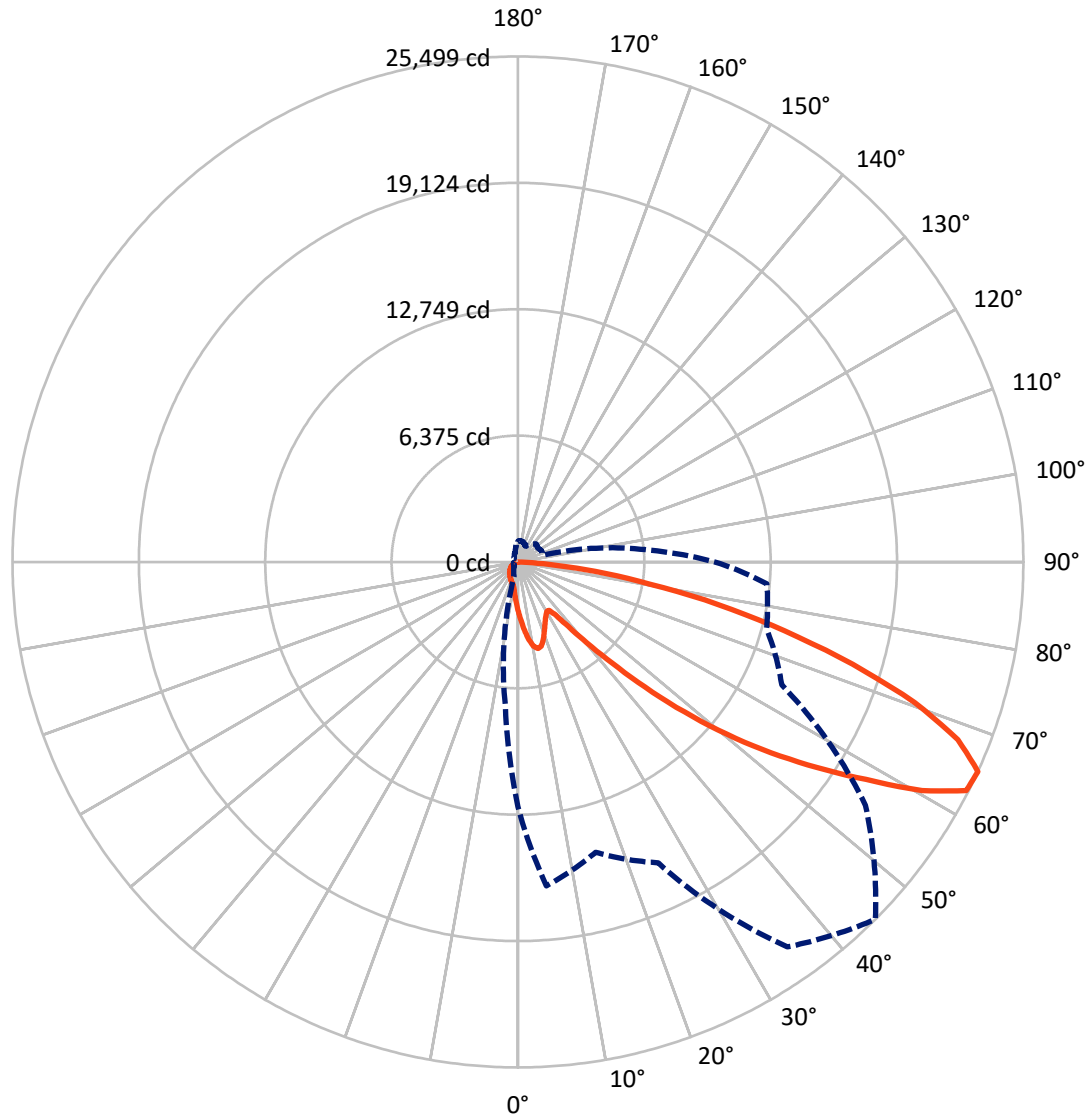
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	3606.3	0.0	3606.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	14536.7	0.0	14536.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	18143.0	0.0	18143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	1.4
10°-20°	741.4	4.1
20°-30°	1092.3	6.0
30°-40°	1403.3	7.7
40°-50°	2269.6	12.5
50°-60°	3979.9	21.9
60°-70°	4979.9	27.4
70°-80°	2910.0	16.0
80°-90°	519.2	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°	18143.0	100.0
0°-180°	18143.0	100.0

Coefficient of Utilization



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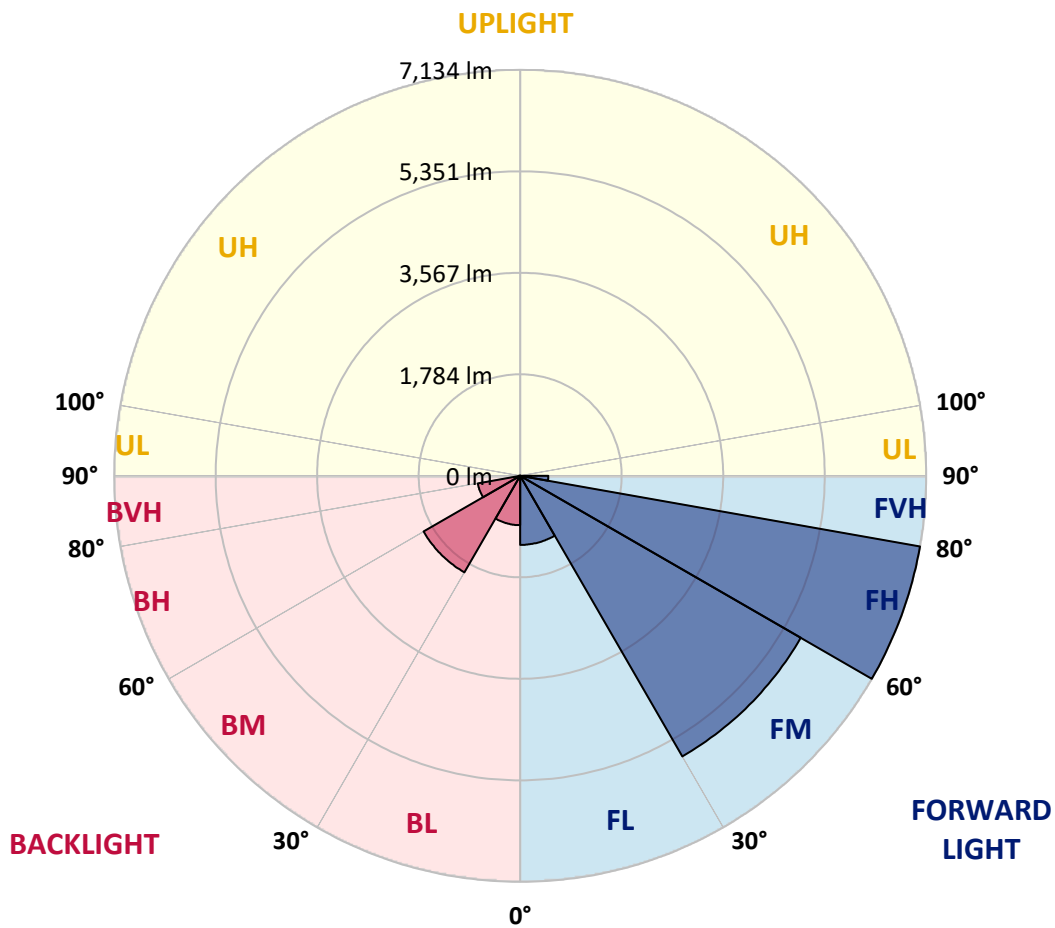
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1214.0	6.7			
FM (30°-60°)	5693.5	31.4			
FH (60°-80°)	7134.4	39.3			G3/7500
FVH (80°-90°)	494.9	2.7			G3/500
BL (0°-30°)	867.1	4.8	B2/1000		
BM (30°-60°)	1959.3	10.8	B2/2500		
BH (60°-80°)	755.6	4.2	B2/1000		G2/1000
BVH (80°-90°)	24.3	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°
0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2.5°	2814.7	2835.9	2883.4	2908.4	2947.2	2949.7	2949.7	2915.9	2914.7	2845.9
5°	3145.9	3195.9	3308.4	3424.6	3449.6	3455.9	3443.4	3375.9	3325.9	3192.2
7.5°	3474.6	3570.9	3742.1	3897.1	3947.1	3947.1	3917.1	3807.1	3704.6	3510.9
10°	3747.1	3868.3	4100.8	4274.5	4332.0	4319.5	4258.3	4119.5	3978.3	3743.3
12.5°	3927.1	4063.3	4318.3	4458.3	4517.0	4484.5	4414.5	4279.5	4130.8	3883.3
15°	4017.1	4159.5	4380.8	4454.5	4438.3	4404.5	4395.8	4330.8	4218.3	3987.1
17.5°	4055.8	4188.3	4342.0	4295.8	4158.3	4132.0	4219.5	4302.0	4274.5	4077.1
20°	4092.1	4203.3	4249.5	4044.6	3804.6	3780.8	3948.3	4183.3	4303.3	4160.8
22.5°	4142.0	4210.8	4115.8	3779.6	3520.9	3465.9	3650.9	4004.6	4312.0	4267.0
25°	4210.8	4229.5	3968.3	3528.4	3268.4	3213.4	3385.9	3805.8	4297.0	4382.0
27.5°	4293.3	4254.5	3827.1	3318.4	3067.2	3015.9	3188.4	3614.6	4254.5	4497.0
30°	4400.8	4287.0	3687.1	3155.9	2923.4	2885.9	3052.2	3449.6	4202.0	4643.2
32.5°	4509.5	4300.8	3557.1	3060.9	2890.9	2904.7	3040.9	3360.9	4144.5	4783.2
35°	4627.0	4344.5	3493.4	3154.7	3162.2	3282.1	3338.4	3443.4	4135.8	4973.2
37.5°	4787.0	4442.0	3569.6	3620.9	3880.8	4129.5	4083.3	3847.1	4237.0	5256.9
40°	5017.0	4613.2	3902.1	4414.5	4948.2	5351.9	5175.7	4580.7	4547.0	5665.6
42.5°	5351.9	4885.7	4492.0	5384.4	6289.3	6954.2	6481.8	5526.9	5089.4	6249.3
45°	5846.9	5326.9	5205.7	6408.0	7942.9	8990.3	8007.9	6535.5	5849.4	7133.0
47.5°	6533.0	5975.6	5874.4	7486.7	9952.7	11307.5	9700.2	7470.4	6714.3	8337.8
50°	7444.2	6849.3	6508.0	8666.6	12156.2	13669.8	11391.3	8372.8	7705.4	9810.2
52.5°	8646.6	8067.9	7246.7	9790.2	14422.2	15982.0	13089.8	9165.2	8935.3	11518.7
55°	10286.4	9901.4	8256.6	10862.6	16686.9	18308.0	14722.1	9912.7	10560.1	13548.5
57.5°	12321.2	12596.1	9712.7	12106.2	18723.0	20705.2	16362.0	10957.6	12669.9	15818.3
60°	13633.5	16179.5	12501.1	13944.7	21036.4	23416.2	18609.2	12944.8	14887.1	16631.9
62.5°	13316.0	17319.4	15840.8	16292.0	23163.7	25387.2	20811.5	14940.9	15304.6	15433.3
65°	12342.4	16399.5	15159.6	16748.2	23702.4	25498.5	21400.2	14683.4	12982.3	12599.9
67.5°	11002.5	15308.3	13541.0	15538.3	22728.8	23943.6	20304.0	12988.6	10032.7	9455.2
70°	9556.5	14101.0	12478.6	14180.9	20872.7	21233.9	18440.5	11423.7	7379.2	6385.6
72.5°	8184.1	12843.6	11751.2	12789.8	18396.7	17649.3	16014.5	10040.2	5373.2	4605.7
75°	6780.5	10988.8	10715.1	11137.5	15140.8	13902.2	13306.0	8312.8	4217.0	3332.1
77.5°	5231.9	8586.6	9216.5	8919.0	10657.6	10326.4	10313.9	6246.8	3080.9	2223.5
80°	3580.9	5984.3	7200.5	6291.8	6916.7	6748.0	7767.9	4190.8	2234.8	1338.6
82.5°	2104.8	3643.4	5012.0	3045.9	3824.6	3925.8	4625.7	2038.5	1314.9	308.7
85°	853.7	1438.6	1959.8	1192.4	1844.8	1556.1	1756.1	572.4	366.2	7.5
87.5°	215.0	459.9	322.5	133.7	213.7	196.2	155.0	70.0	15.0	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2512.2	0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2838.4	2.5°	2789.7	2760.9	2689.7	2618.5	2561.0	2483.5	2432.2	2371.0	2312.2	2259.8
3163.4	5°	3084.7	2989.7	2859.7	2740.9	2619.7	2502.2	2386.0	2263.5	2151.0	2082.3
3438.4	7.5°	3324.6	3157.2	2984.7	2833.4	2687.2	2549.7	2396.0	2247.3	2071.0	1977.3
3648.4	10°	3503.4	3283.4	3057.2	2883.4	2736.0	2602.2	2472.2	2322.2	2109.8	1992.3
3775.8	12.5°	3620.9	3359.6	3094.7	2895.9	2731.0	2627.2	2569.7	2511.0	2299.7	2162.3
3869.6	15°	3702.1	3413.4	3120.9	2867.2	2664.7	2588.5	2646.0	2713.5	2578.5	2419.7
3967.1	17.5°	3790.8	3483.4	3132.2	2789.7	2536.0	2503.5	2652.2	2808.4	2802.2	2644.7
4059.6	20°	3884.6	3544.6	3124.7	2664.7	2379.7	2408.5	2598.5	2779.7	2855.9	2770.9
4165.8	22.5°	3980.8	3603.4	3095.9	2502.2	2233.5	2323.5	2513.5	2672.2	2762.2	2736.0
4295.8	25°	4102.1	3685.8	3053.4	2327.2	2112.3	2237.3	2414.7	2543.5	2606.0	2604.7
4435.8	27.5°	4247.0	3795.8	3030.9	2186.0	2026.0	2139.8	2297.2	2412.2	2456.0	2456.0
4609.5	30°	4415.8	3925.8	3005.9	2093.5	1976.0	2038.5	2161.0	2273.5	2317.2	2317.2
4799.5	32.5°	4603.2	4050.8	2945.9	2037.3	1938.5	1939.8	2017.3	2119.8	2172.3	2179.8
5036.9	35°	4828.2	4184.5	2814.7	1992.3	1894.8	1843.5	1881.0	1966.0	2028.5	2044.8
5375.7	37.5°	5123.2	4348.3	2627.2	1926.0	1827.3	1742.3	1751.1	1816.1	1884.8	1909.8
5843.1	40°	5519.4	4540.8	2432.2	1831.0	1732.3	1631.1	1627.3	1674.8	1742.3	1769.8
6475.5	42.5°	6043.1	4772.0	2246.0	1739.8	1617.3	1513.6	1507.3	1544.8	1603.6	1632.3
7310.4	45°	6713.0	5055.7	2086.0	1668.6	1504.8	1402.3	1399.8	1431.1	1482.3	1512.3
8379.1	47.5°	7644.2	5339.4	1977.3	1631.1	1416.1	1311.1	1316.1	1343.6	1389.8	1411.1
9762.7	50°	8857.8	5425.7	1922.3	1631.1	1368.6	1229.9	1254.9	1277.4	1312.4	1324.9
11421.2	52.5°	10022.7	5140.7	1872.3	1641.1	1374.8	1161.1	1214.9	1231.1	1261.1	1266.1
12958.6	55°	10593.8	4419.5	1803.6	1643.6	1413.6	1102.4	1182.4	1212.4	1223.6	1222.4
13851.0	57.5°	10397.6	3573.4	1687.3	1633.6	1439.8	1064.9	1142.4	1199.9	1207.4	1196.1
13681.0	60°	9708.9	2631.0	1598.6	1559.8	1429.8	1053.6	1081.1	1172.4	1183.6	1168.6
12371.1	62.5°	8554.1	1826.1	1529.8	1397.3	1386.1	1049.9	984.9	1112.4	1139.9	1118.6
9943.9	65°	6734.3	1289.9	1317.4	1224.9	1291.1	1029.9	884.9	1039.9	1077.4	1044.9
7214.2	67.5°	4557.0	931.1	1067.4	1109.9	1137.4	984.9	812.4	957.4	1007.4	964.9
4629.5	70°	2461.0	653.7	704.9	934.9	966.1	907.4	747.4	873.7	931.1	884.9
3290.9	72.5°	1453.6	469.9	493.7	751.2	804.9	798.7	674.9	776.2	846.2	791.2
2271.0	75°	801.2	317.5	352.5	544.9	653.7	616.2	579.9	657.4	728.7	674.9
1423.6	77.5°	358.7	190.0	245.0	357.5	513.7	422.5	448.7	512.4	578.7	522.4
792.4	80°	138.7	106.2	162.5	195.0	373.7	233.7	288.7	377.5	425.0	380.0
172.5	82.5°	17.5	47.5	70.0	76.2	217.5	123.7	167.5	237.5	233.7	202.5
0.0	85°	0.0	8.7	10.0	5.0	93.7	45.0	55.0	77.5	72.5	55.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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°
2512.2	0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2249.8	2.5°	2188.5	2143.5	2121.0	2102.3	2119.8	2129.8	2129.8	2172.3	2197.3	2207.3
2038.5	5°	1928.5	1844.8	1788.6	1754.8	1766.1	1778.6	1792.3	1846.0	1882.3	1906.0
1892.3	7.5°	1723.6	1596.1	1517.3	1476.1	1482.3	1491.1	1502.3	1554.8	1591.1	1622.3
1864.8	10°	1622.3	1442.3	1338.6	1288.6	1279.9	1274.9	1271.1	1302.4	1329.9	1354.9
1977.3	12.5°	1627.3	1376.1	1249.9	1188.6	1162.4	1132.4	1108.6	1113.6	1131.1	1162.4
2178.5	15°	1691.1	1354.9	1203.6	1127.4	1083.6	1048.6	1019.9	1013.6	1019.9	1024.9
2408.5	17.5°	1777.3	1352.4	1163.6	1068.6	1023.6	994.9	968.6	959.9	961.1	967.4
2561.0	20°	1846.0	1344.9	1118.6	1012.4	972.4	947.4	921.1	912.4	914.9	916.1
2576.0	22.5°	1882.3	1333.6	1068.6	956.1	922.4	897.4	873.7	872.4	872.4	879.9
2494.7	25°	1882.3	1309.9	1023.6	902.4	872.4	849.9	821.2	826.2	828.7	838.7
2368.5	27.5°	1837.3	1264.9	987.4	856.2	824.9	802.4	776.2	782.4	786.2	797.4
2243.5	30°	1779.8	1211.1	946.1	812.4	776.2	759.9	737.4	739.9	744.9	757.4
2127.3	32.5°	1718.6	1147.4	912.4	768.7	732.4	719.9	694.9	698.7	703.7	717.4
2012.3	35°	1651.1	1072.4	872.4	728.7	692.4	682.4	653.7	656.2	663.7	678.7
1888.5	37.5°	1579.8	1011.1	832.4	689.9	652.4	642.4	612.4	614.9	623.7	641.2
1758.6	40°	1509.8	951.1	789.9	648.7	611.2	602.4	569.9	572.4	582.4	601.2
1627.3	42.5°	1433.6	904.9	734.9	606.2	566.2	557.4	527.4	531.2	542.4	561.2
1506.1	45°	1342.4	874.9	673.7	566.2	521.2	512.4	484.9	492.4	504.9	523.7
1402.3	47.5°	1248.6	862.4	622.4	523.7	474.9	467.4	445.0	457.4	471.2	486.2
1313.6	50°	1158.6	846.2	569.9	483.7	435.0	427.5	412.5	428.7	442.5	456.2
1249.9	52.5°	1056.1	811.2	522.4	448.7	401.2	398.7	391.2	406.2	418.7	431.2
1194.9	55°	949.9	754.9	481.2	417.5	372.5	375.0	371.2	383.7	393.7	405.0
1144.9	57.5°	857.4	683.7	448.7	383.7	347.5	355.0	350.0	356.2	362.5	376.2
1084.9	60°	763.7	598.7	412.5	343.7	322.5	331.2	317.5	316.2	318.7	322.5
996.1	62.5°	637.4	509.9	367.5	308.7	295.0	298.7	272.5	252.5	252.5	256.2
872.4	65°	512.4	427.5	317.5	268.7	257.5	255.0	217.5	190.0	187.5	198.7
728.7	67.5°	421.2	355.0	267.5	223.7	216.2	218.7	191.2	163.7	161.2	173.7
593.7	70°	348.7	286.2	213.7	172.5	180.0	191.2	163.7	137.5	133.7	145.0
482.4	72.5°	277.5	223.7	163.7	127.5	148.7	162.5	133.7	108.7	106.2	116.2
372.5	75°	203.7	160.0	111.2	92.5	115.0	127.5	97.5	77.5	73.7	82.5
248.7	77.5°	126.2	90.0	70.0	55.0	78.7	85.0	51.2	45.0	43.7	50.0
151.2	80°	58.7	38.7	33.7	18.7	28.7	33.7	21.2	23.7	25.0	30.0
76.2	82.5°	16.2	6.2	1.2	0.0	0.0	10.0	5.0	10.0	12.5	18.7
6.2	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	11.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
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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 CATALOG NUMBER: GALN-SB3C-750-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
2512.2	0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2277.3	2.5°	2329.7	2379.7	2459.7	2542.2	2623.5	2706.0	2785.9	2814.7
2014.8	5°	2113.5	2228.5	2387.2	2557.2	2732.2	2909.7	3072.2	3145.9
1743.6	7.5°	1872.3	2037.3	2276.0	2542.2	2820.9	3099.7	3355.9	3474.6
1474.8	10°	1614.8	1823.6	2096.0	2456.0	2855.9	3240.9	3593.4	3747.1
1238.6	12.5°	1369.9	1588.6	1889.8	2321.0	2828.4	3322.1	3745.8	3927.1
1072.4	15°	1164.9	1358.6	1683.6	2161.0	2739.7	3327.1	3818.3	4017.1
979.9	17.5°	1011.1	1137.4	1473.6	1983.5	2623.5	3280.9	3843.3	4055.8
929.9	20°	934.9	969.9	1201.1	1756.1	2514.7	3237.1	3868.3	4092.1
889.9	22.5°	889.9	898.7	982.4	1462.3	2384.7	3223.4	3912.1	4142.0
853.7	25°	853.7	856.2	878.7	1158.6	2186.0	3214.6	3979.6	4210.8
816.2	27.5°	817.4	817.4	829.9	933.6	1916.0	3177.2	4067.1	4293.3
778.7	30°	781.2	781.2	789.9	826.2	1599.8	3103.4	4172.0	4400.8
741.2	32.5°	743.7	743.7	751.2	777.4	1277.4	3010.9	4268.3	4509.5
702.4	35°	706.2	703.7	713.7	741.2	1016.1	2893.4	4364.5	4627.0
663.7	37.5°	666.2	664.9	674.9	706.2	877.4	2757.2	4437.0	4787.0
624.9	40°	623.7	623.7	634.9	668.7	837.4	2586.0	4552.0	5017.0
584.9	42.5°	584.9	582.4	594.9	636.2	807.4	2422.2	4758.2	5351.9
548.7	45°	547.4	542.4	553.7	604.9	754.9	2364.7	5143.2	5846.9
513.7	47.5°	512.4	499.9	509.9	567.4	707.4	2579.7	5773.1	6533.0
482.4	50°	483.7	459.9	468.7	529.9	671.2	3045.9	6590.5	7444.2
453.7	52.5°	453.7	422.5	427.5	483.7	638.7	3489.6	7476.7	8646.6
425.0	55°	422.5	387.5	390.0	437.5	592.4	3555.9	8341.6	10286.4
392.5	57.5°	387.5	355.0	355.0	395.0	558.7	3082.2	9006.5	12321.2
352.5	60°	348.7	327.5	321.2	361.2	588.7	2174.8	9084.0	13633.5
301.2	62.5°	306.2	295.0	286.2	328.7	611.2	1288.6	8460.3	13316.0
237.5	65°	257.5	255.0	248.7	361.2	514.9	761.2	7263.0	12342.4
202.5	67.5°	216.2	212.5	212.5	378.7	391.2	478.7	5674.4	11002.5
172.5	70°	186.2	172.5	172.5	286.2	237.5	331.2	3962.1	9556.5
142.5	72.5°	156.2	141.2	131.2	228.7	177.5	242.5	2476.0	8184.1
108.7	75°	125.0	113.7	101.2	151.2	132.5	183.7	1438.6	6780.5
68.7	77.5°	90.0	85.0	71.2	111.2	96.2	132.5	856.2	5231.9
42.5	80°	46.2	47.5	45.0	63.7	65.0	90.0	487.4	3580.9
27.5	82.5°	27.5	21.2	23.7	31.2	37.5	51.2	183.7	2104.8
20.0	85°	17.5	11.2	11.2	15.0	18.7	20.0	56.2	853.7
10.0	87.5°	8.7	3.7	5.0	7.5	6.2	5.0	2.5	215.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)