

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: P949018

Luminaire Tested: **GALN-SB3D-927-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949018  
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-SB3D-927-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

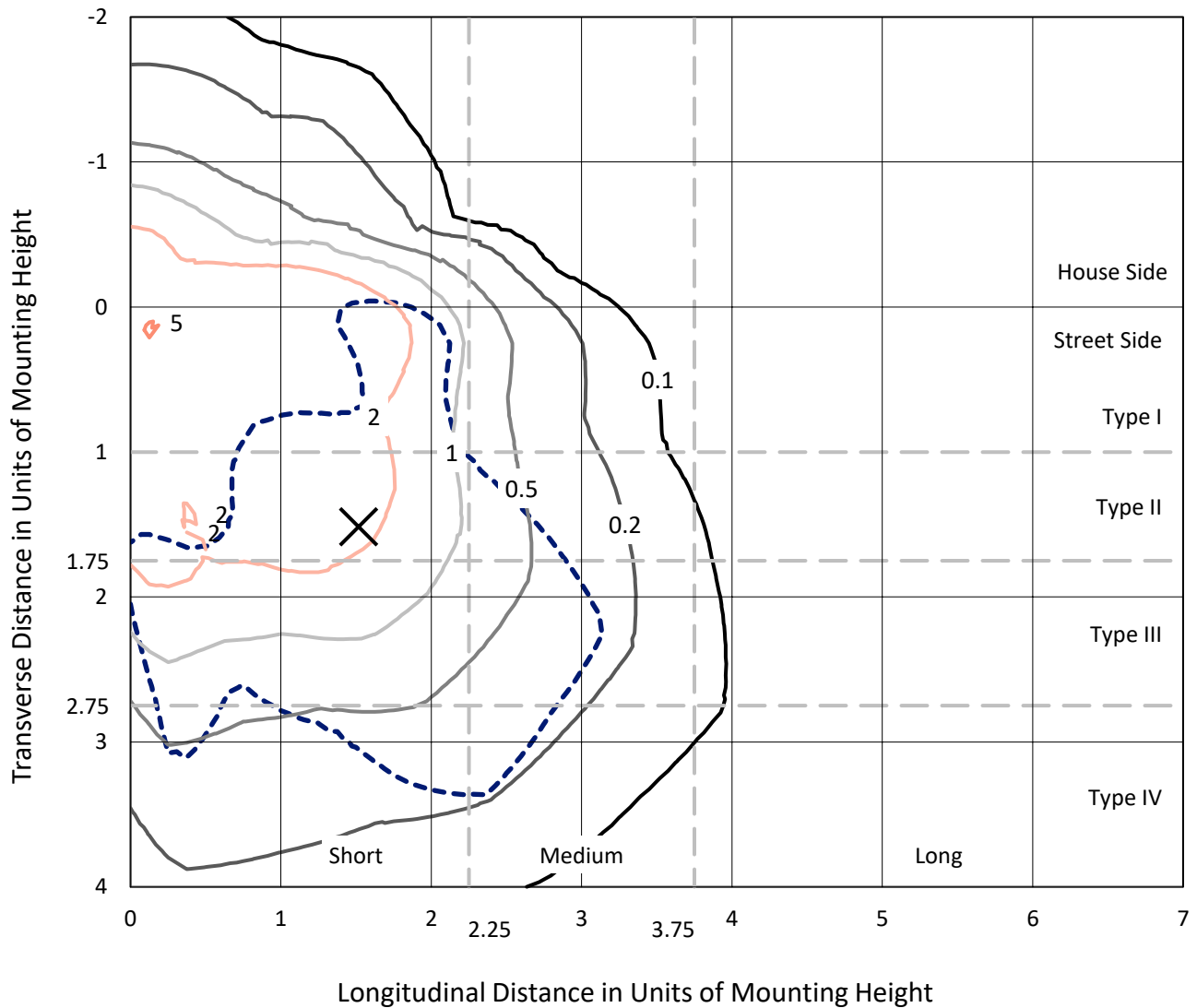
Lumens per Lamp: N/A  
Luminaire Lumens: 14184 lumens  
Efficiency: N/A  
Efficacy: 65.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

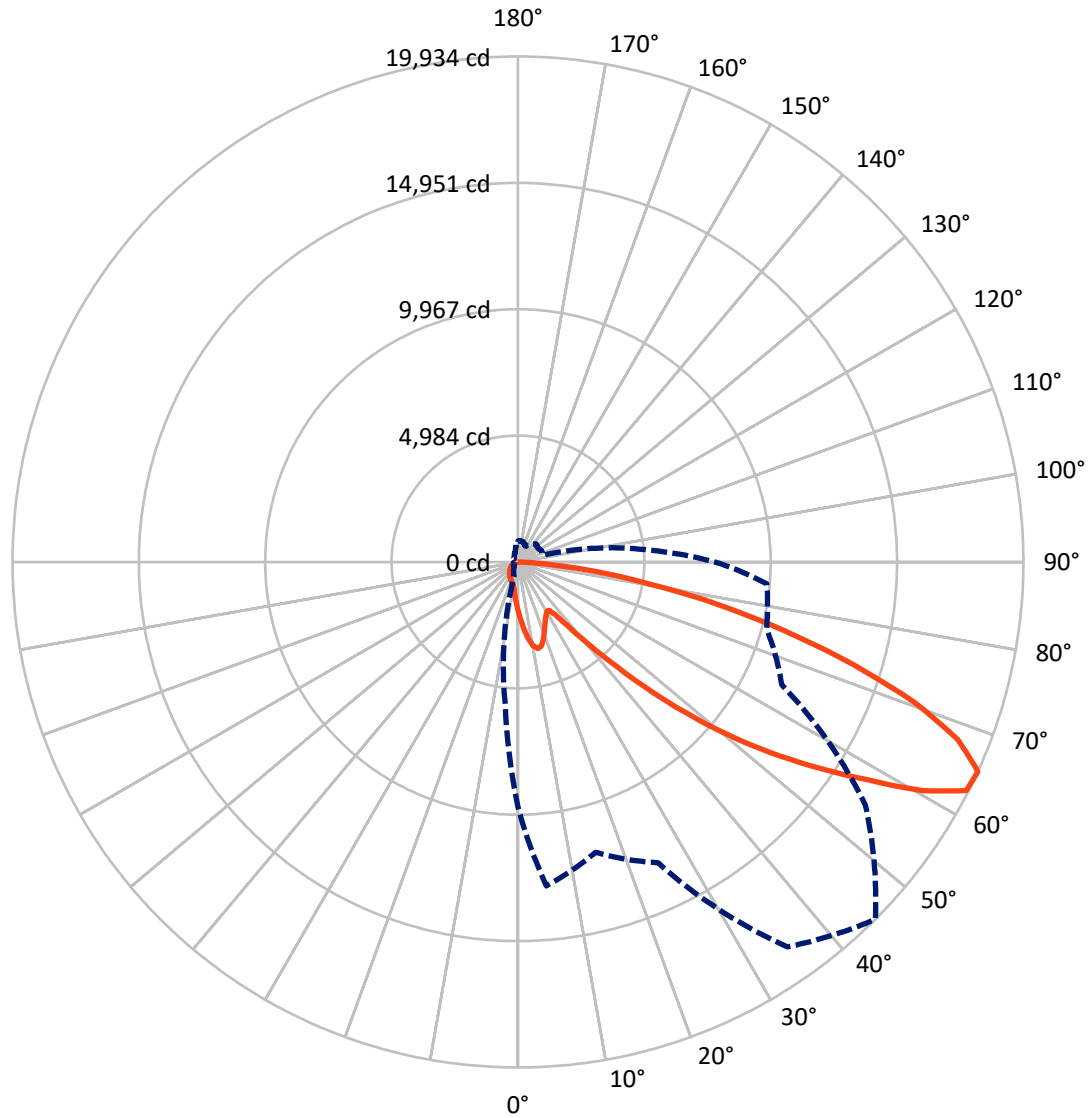
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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
<b>House Side</b>	Lumens	2819.3	0.0	2819.3
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	11364.7	0.0	11364.7
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	14184.0	0.0	14184.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	193.4	1.4
10°-20°	579.7	4.1
20°-30°	853.9	6.0
30°-40°	1097.1	7.7
40°-50°	1774.3	12.5
50°-60°	3111.4	21.9
60°-70°	3893.3	27.4
70°-80°	2275.0	16.0
80°-90°	405.9	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°	14184.0	100.0
0°-180°	14184.0	100.0

**Coefficient of Utilization**



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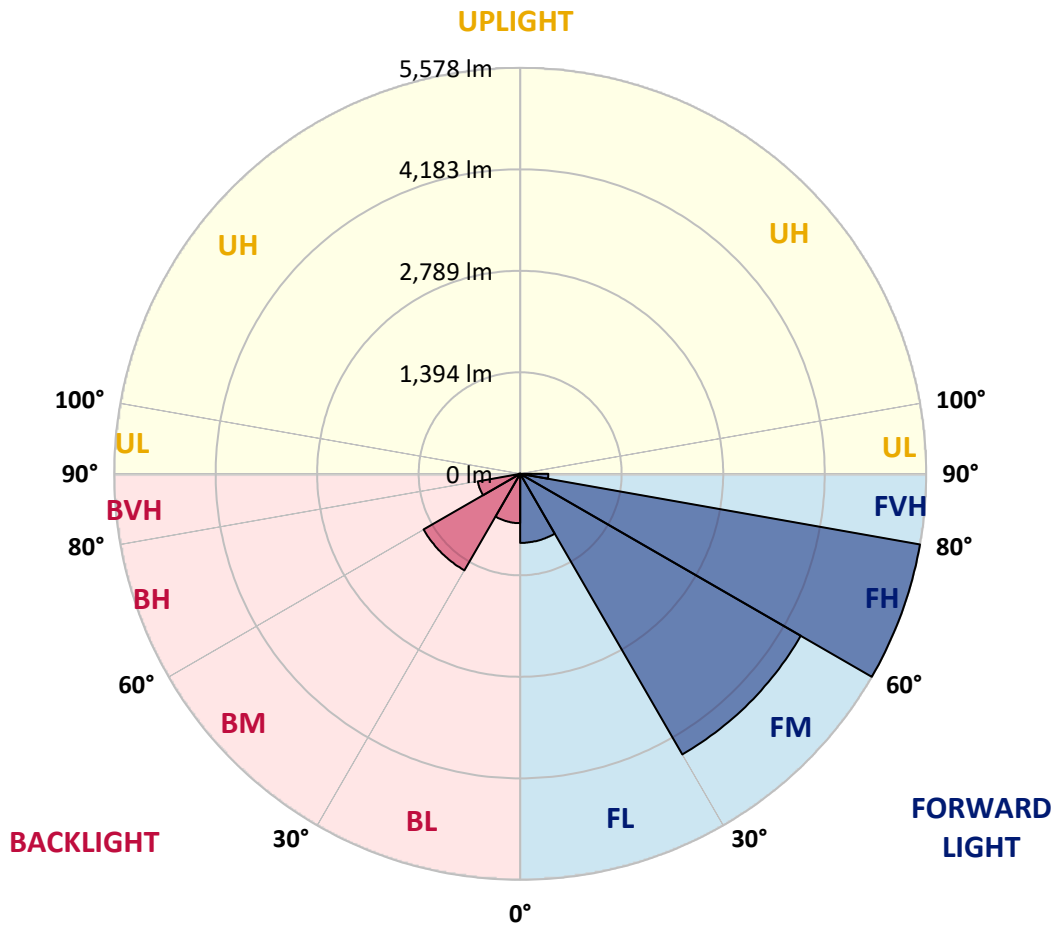
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.1	6.7			
FM (30°-60°)	4451.1	31.4			
FH (60°-80°)	5577.6	39.3			G3/7500
FVH (80°-90°)	386.9	2.7			G3/500
BL (0°-30°)	677.9	4.8	B2/1000		
BM (30°-60°)	1531.7	10.8	B2/2500		
BH (60°-80°)	590.7	4.2	B2/1000		G2/1000
BVH (80°-90°)	19.0	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°
0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
2.5°	2200.5	2217.1	2254.2	2273.8	2304.1	2306.0	2306.0	2279.6	2278.7	2224.9
5°	2459.4	2498.5	2586.5	2677.3	2696.9	2701.8	2692.0	2639.2	2600.1	2495.6
7.5°	2716.4	2791.7	2925.5	3046.7	3085.8	3085.8	3062.3	2976.3	2896.2	2744.8
10°	2929.4	3024.2	3206.0	3341.8	3386.7	3377.0	3329.1	3220.6	3110.2	2926.5
12.5°	3070.1	3176.6	3376.0	3485.4	3531.3	3505.9	3451.2	3345.7	3229.4	3035.9
15°	3140.5	3251.9	3424.8	3482.5	3469.8	3443.4	3436.6	3385.8	3297.8	3117.0
17.5°	3170.8	3274.4	3394.5	3358.4	3250.9	3230.4	3298.8	3363.3	3341.8	3187.4
20°	3199.1	3286.1	3322.2	3162.0	2974.4	2955.8	3086.8	3270.5	3364.3	3252.9
22.5°	3238.2	3291.9	3217.7	2954.8	2752.6	2709.6	2854.2	3130.7	3371.1	3335.9
25°	3291.9	3306.6	3102.4	2758.4	2555.2	2512.2	2647.0	2975.4	3359.4	3425.8
27.5°	3356.4	3326.1	2992.0	2594.3	2397.9	2357.8	2492.7	2825.9	3326.1	3515.7
30°	3440.5	3351.6	2882.5	2467.3	2285.5	2256.2	2386.2	2696.9	3285.1	3630.0
32.5°	3525.5	3362.3	2780.9	2393.0	2260.1	2270.8	2377.4	2627.5	3240.2	3739.5
35°	3617.3	3396.5	2731.1	2466.3	2472.1	2565.9	2609.9	2692.0	3233.3	3888.0
37.5°	3742.4	3472.7	2790.7	2830.7	3034.0	3228.4	3192.3	3007.6	3312.5	4109.8
40°	3922.2	3606.6	3050.6	3451.2	3868.5	4184.1	4046.3	3581.2	3554.8	4429.3
42.5°	4184.1	3819.6	3511.8	4209.5	4916.9	5436.7	5067.4	4320.9	3978.9	4885.6
45°	4571.0	4164.5	4069.7	5009.7	6209.7	7028.5	6260.5	5109.4	4573.0	5576.5
47.5°	5107.5	4671.7	4592.5	5853.0	7780.9	8840.1	7583.5	5840.3	5249.1	6518.4
50°	5819.8	5354.7	5087.9	6775.4	9503.6	10686.9	8905.6	6545.8	6024.0	7669.5
52.5°	6759.8	6307.4	5665.4	7653.9	11275.1	12494.6	10233.5	7165.3	6985.5	9005.2
55°	8041.8	7740.8	6454.9	8492.2	13045.7	14313.0	11509.6	7749.6	8255.8	10592.1
57.5°	9632.5	9847.5	7593.3	9464.5	14637.4	16187.1	12791.6	8566.5	9905.2	12366.6
60°	10658.5	12648.9	9773.2	10901.8	16446.1	18306.5	14548.5	10120.1	11638.6	13002.7
62.5°	10410.3	13540.1	12384.1	12736.9	18109.1	19847.5	16270.2	11680.6	11964.9	12065.6
65°	9649.2	12820.9	11851.6	13093.5	18530.3	19934.4	16730.4	11479.3	10149.4	9850.4
67.5°	8601.7	11967.9	10586.2	12147.7	17769.1	18718.9	15873.5	10154.3	7843.4	7392.0
70°	7471.1	11024.0	9755.7	11086.5	16318.1	16600.5	14416.6	8931.0	5769.0	4992.2
72.5°	6398.2	10041.0	9187.0	9999.0	14382.4	13798.0	12520.0	7849.3	4200.7	3600.7
75°	5300.9	8590.9	8376.9	8707.2	11836.9	10868.6	10402.5	6498.9	3296.8	2605.0
77.5°	4090.3	6712.9	7205.4	6972.8	8332.0	8073.0	8063.3	4883.7	2408.6	1738.3
80°	2799.5	4678.5	5629.2	4918.9	5407.4	5275.5	6072.9	3276.3	1747.1	1046.5
82.5°	1645.5	2848.3	3918.3	2381.3	2990.0	3069.2	3616.4	1593.7	1027.9	241.4
85°	667.4	1124.7	1532.1	932.2	1442.2	1216.5	1372.9	447.5	286.3	5.9
87.5°	168.1	359.6	252.1	104.6	167.1	153.4	121.2	54.7	11.7	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°
1964.0	0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
2219.1	2.5°	2181.0	2158.5	2102.8	2047.1	2002.1	1941.6	1901.5	1853.6	1807.7	1766.7
2473.1	5°	2411.6	2337.3	2235.7	2142.8	2048.1	1956.2	1865.3	1769.6	1681.6	1627.9
2688.1	7.5°	2599.2	2468.2	2333.4	2215.2	2100.8	1993.3	1873.2	1756.9	1619.1	1545.8
2852.2	10°	2738.9	2566.9	2390.1	2254.2	2138.9	2034.4	1932.8	1815.5	1649.4	1557.5
2951.9	12.5°	2830.7	2626.5	2419.4	2264.0	2135.0	2053.9	2009.0	1963.1	1797.9	1690.4
3025.2	15°	2894.3	2668.5	2439.9	2241.5	2083.2	2023.6	2068.6	2121.3	2015.8	1891.7
3101.4	17.5°	2963.6	2723.3	2448.7	2181.0	1982.6	1957.2	2073.5	2195.6	2190.7	2067.6
3173.7	20°	3036.9	2771.1	2442.8	2083.2	1860.5	1882.9	2031.5	2173.1	2232.7	2166.3
3256.8	22.5°	3112.2	2817.1	2420.3	1956.2	1746.1	1816.5	1965.0	2089.1	2159.5	2138.9
3358.4	25°	3206.9	2881.6	2387.1	1819.4	1651.3	1749.1	1887.8	1988.5	2037.3	2036.3
3467.8	27.5°	3320.3	2967.5	2369.5	1709.0	1583.9	1672.8	1796.0	1885.9	1920.1	1920.1
3603.7	30°	3452.2	3069.2	2350.0	1636.7	1544.8	1593.7	1689.5	1777.4	1811.6	1811.6
3752.2	32.5°	3598.8	3166.9	2303.1	1592.7	1515.5	1516.5	1577.1	1657.2	1698.3	1704.1
3937.8	35°	3774.7	3271.4	2200.5	1557.5	1481.3	1441.3	1470.6	1537.0	1585.9	1598.6
4202.6	37.5°	4005.3	3399.4	2053.9	1505.8	1428.6	1362.1	1369.0	1419.8	1473.5	1493.1
4568.1	40°	4315.0	3549.9	1901.5	1431.5	1354.3	1275.2	1272.2	1309.4	1362.1	1383.6
5062.5	42.5°	4724.4	3730.7	1755.9	1360.2	1264.4	1183.3	1178.4	1207.7	1253.7	1276.1
5715.2	45°	5248.2	3952.5	1630.8	1304.5	1176.5	1096.3	1094.4	1118.8	1158.9	1182.3
6550.7	47.5°	5976.1	4174.3	1545.8	1275.2	1107.1	1025.0	1028.9	1050.4	1086.6	1103.2
7632.4	50°	6924.9	4241.7	1502.8	1275.2	1070.0	961.5	981.0	998.6	1026.0	1035.8
8929.0	52.5°	7835.6	4018.9	1463.7	1283.0	1074.8	907.8	949.8	962.5	985.9	989.8
10130.9	55°	8282.1	3455.1	1410.0	1284.9	1105.1	861.8	924.4	947.8	956.6	955.6
10828.5	57.5°	8128.7	2793.6	1319.1	1277.1	1125.7	832.5	893.1	938.0	943.9	935.1
10695.7	60°	7590.3	2056.9	1249.7	1219.5	1117.8	823.7	845.2	916.5	925.3	913.6
9671.6	62.5°	6687.5	1427.6	1196.0	1092.4	1083.6	820.8	770.0	869.6	891.1	874.5
7774.0	65°	5264.8	1008.4	1029.9	957.6	1009.4	805.2	691.8	813.0	842.3	816.9
5640.0	67.5°	3562.6	728.0	834.5	867.7	889.2	770.0	635.1	748.5	787.6	754.3
3619.3	70°	1924.0	511.0	551.1	730.9	755.3	709.4	584.3	683.0	728.0	691.8
2572.8	72.5°	1136.4	367.4	386.0	587.3	629.3	624.4	527.6	606.8	661.5	618.5
1775.4	75°	626.3	248.2	275.6	426.0	511.0	481.7	453.4	514.0	569.7	527.6
1113.0	77.5°	280.4	148.5	191.5	279.5	401.6	330.3	350.8	400.6	452.4	408.4
619.5	80°	108.5	83.1	127.0	152.4	292.2	182.7	225.7	295.1	332.2	297.0
134.8	82.5°	13.7	37.1	54.7	59.6	170.0	96.7	130.9	185.7	182.7	158.3
0.0	85°	0.0	6.8	7.8	3.9	73.3	35.2	43.0	60.6	56.7	43.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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°
1964.0	0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
1758.8	2.5°	1711.0	1675.8	1658.2	1643.5	1657.2	1665.0	1665.0	1698.3	1717.8	1725.6
1593.7	5°	1507.7	1442.2	1398.3	1371.9	1380.7	1390.5	1401.2	1443.2	1471.6	1490.1
1479.4	7.5°	1347.5	1247.8	1186.2	1154.0	1158.9	1165.7	1174.5	1215.5	1243.9	1268.3
1457.9	10°	1268.3	1127.6	1046.5	1007.4	1000.6	996.7	993.7	1018.2	1039.7	1059.2
1545.8	12.5°	1272.2	1075.8	977.1	929.3	908.7	885.3	866.7	870.6	884.3	908.7
1703.1	15°	1322.1	1059.2	941.0	881.4	847.2	819.8	797.3	792.5	797.3	801.2
1882.9	17.5°	1389.5	1057.3	909.7	835.4	800.3	777.8	757.3	750.4	751.4	756.3
2002.1	20°	1443.2	1051.4	874.5	791.5	760.2	740.7	720.1	713.3	715.3	716.2
2013.9	22.5°	1471.6	1042.6	835.4	747.5	721.1	701.6	683.0	682.0	682.0	687.9
1950.4	25°	1471.6	1024.0	800.3	705.5	682.0	664.4	642.0	645.9	647.8	655.7
1851.7	27.5°	1436.4	988.9	771.9	669.3	644.9	627.3	606.8	611.7	614.6	623.4
1753.9	30°	1391.4	946.8	739.7	635.1	606.8	594.1	576.5	578.5	582.4	592.1
1663.1	32.5°	1343.6	897.0	713.3	600.9	572.6	562.8	543.3	546.2	550.1	560.9
1573.2	35°	1290.8	838.4	682.0	569.7	541.3	533.5	511.0	513.0	518.9	530.6
1476.4	37.5°	1235.1	790.5	650.8	539.4	510.1	502.2	478.8	480.7	487.6	501.3
1374.8	40°	1180.4	743.6	617.5	507.1	477.8	471.0	445.6	447.5	455.3	470.0
1272.2	42.5°	1120.8	707.4	574.6	473.9	442.6	435.8	412.3	415.3	424.1	438.7
1177.4	45°	1049.4	684.0	526.7	442.6	407.5	400.6	379.1	385.0	394.8	409.4
1096.3	47.5°	976.2	674.2	486.6	409.4	371.3	365.4	347.9	357.6	368.4	380.1
1027.0	50°	905.8	661.5	445.6	378.1	340.0	334.2	322.5	335.2	345.9	356.7
977.1	52.5°	825.7	634.2	408.4	350.8	313.7	311.7	305.8	317.6	327.3	337.1
934.1	55°	742.6	590.2	376.2	326.4	291.2	293.1	290.2	300.0	307.8	316.6
895.1	57.5°	670.3	534.5	350.8	300.0	271.6	277.5	273.6	278.5	283.4	294.1
848.1	60°	597.0	468.0	322.5	268.7	252.1	258.9	248.2	247.2	249.2	252.1
778.8	62.5°	498.3	398.7	287.3	241.4	230.6	233.5	213.0	197.4	197.4	200.3
682.0	65°	400.6	334.2	248.2	210.1	201.3	199.3	170.0	148.5	146.6	155.4
569.7	67.5°	329.3	277.5	209.1	174.9	169.0	171.0	149.5	128.0	126.0	135.8
464.1	70°	272.6	223.8	167.1	134.8	140.7	149.5	128.0	107.5	104.6	113.3
377.2	72.5°	216.9	174.9	128.0	99.7	116.3	127.0	104.6	85.0	83.1	90.9
291.2	75°	159.3	125.1	87.0	72.3	89.9	99.7	76.2	60.6	57.7	64.5
194.4	77.5°	98.7	70.4	54.7	43.0	61.6	66.4	40.1	35.2	34.2	39.1
118.2	80°	45.9	30.3	26.4	14.7	22.5	26.4	16.6	18.6	19.5	23.5
59.6	82.5°	12.7	4.9	1.0	0.0	0.0	7.8	3.9	7.8	9.8	14.7
4.9	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9	8.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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-SB3D-927-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
1964.0	0°	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0	1964.0
1780.3	2.5°	1821.4	1860.5	1923.0	1987.5	2051.0	2115.5	2178.0	2200.5
1575.1	5°	1652.3	1742.2	1866.3	1999.2	2136.0	2274.8	2401.8	2459.4
1363.1	7.5°	1463.7	1592.7	1779.4	1987.5	2205.4	2423.3	2623.6	2716.4
1153.0	10°	1262.5	1425.6	1638.6	1920.1	2232.7	2533.7	2809.2	2929.4
968.3	12.5°	1070.9	1241.9	1477.4	1814.5	2211.2	2597.2	2928.5	3070.1
838.4	15°	910.7	1062.1	1316.2	1689.5	2141.9	2601.1	2985.1	3140.5
766.1	17.5°	790.5	889.2	1152.0	1550.7	2051.0	2565.0	3004.7	3170.8
727.0	20°	730.9	758.3	939.0	1372.9	1966.0	2530.8	3024.2	3199.1
695.7	22.5°	695.7	702.6	768.0	1143.2	1864.4	2520.0	3058.4	3238.2
667.4	25°	667.4	669.3	686.9	905.8	1709.0	2513.2	3111.2	3291.9
638.1	27.5°	639.0	639.0	648.8	729.9	1497.9	2483.9	3179.6	3356.4
608.8	30°	610.7	610.7	617.5	645.9	1250.7	2426.2	3261.7	3440.5
579.4	32.5°	581.4	581.4	587.3	607.8	998.6	2353.9	3336.9	3525.5
549.1	35°	552.1	550.1	557.9	579.4	794.4	2262.1	3412.1	3617.3
518.9	37.5°	520.8	519.8	527.6	552.1	685.9	2155.5	3468.8	3742.4
488.6	40°	487.6	487.6	496.4	522.8	654.7	2021.7	3558.7	3922.2
457.3	42.5°	457.3	455.3	465.1	497.4	631.2	1893.7	3719.9	4184.1
429.0	45°	428.0	424.1	432.9	472.9	590.2	1848.7	4020.9	4571.0
401.6	47.5°	400.6	390.9	398.7	443.6	553.1	2016.8	4513.4	5107.5
377.2	50°	378.1	359.6	366.4	414.3	524.7	2381.3	5152.4	5819.8
354.7	52.5°	354.7	330.3	334.2	378.1	499.3	2728.1	5845.2	6759.8
332.2	55°	330.3	302.9	304.9	342.0	463.2	2779.9	6521.4	8041.8
306.8	57.5°	302.9	277.5	277.5	308.8	436.8	2409.6	7041.2	9632.5
275.6	60°	272.6	256.0	251.1	282.4	460.2	1700.2	7101.8	10658.5
235.5	62.5°	239.4	230.6	223.8	257.0	477.8	1007.4	6614.2	10410.3
185.7	65°	201.3	199.3	194.4	282.4	402.6	595.1	5678.1	9649.2
158.3	67.5°	169.0	166.1	166.1	296.1	305.8	374.2	4436.2	8601.7
134.8	70°	145.6	134.8	134.8	223.8	185.7	258.9	3097.5	7471.1
111.4	72.5°	122.1	110.4	102.6	178.8	138.8	189.6	1935.7	6398.2
85.0	75°	97.7	88.9	79.1	118.2	103.6	143.6	1124.7	5300.9
53.7	77.5°	70.4	66.4	55.7	87.0	75.2	103.6	669.3	4090.3
33.2	80°	36.2	37.1	35.2	49.8	50.8	70.4	381.1	2799.5
21.5	82.5°	21.5	16.6	18.6	24.4	29.3	40.1	143.6	1645.5
15.6	85°	13.7	8.8	8.8	11.7	14.7	15.6	44.0	667.4
7.8	87.5°	6.8	2.9	3.9	5.9	4.9	3.9	2.0	168.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)