

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: P950910

Luminaire Tested: **GALN-SB5B-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950910
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-SB5B-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

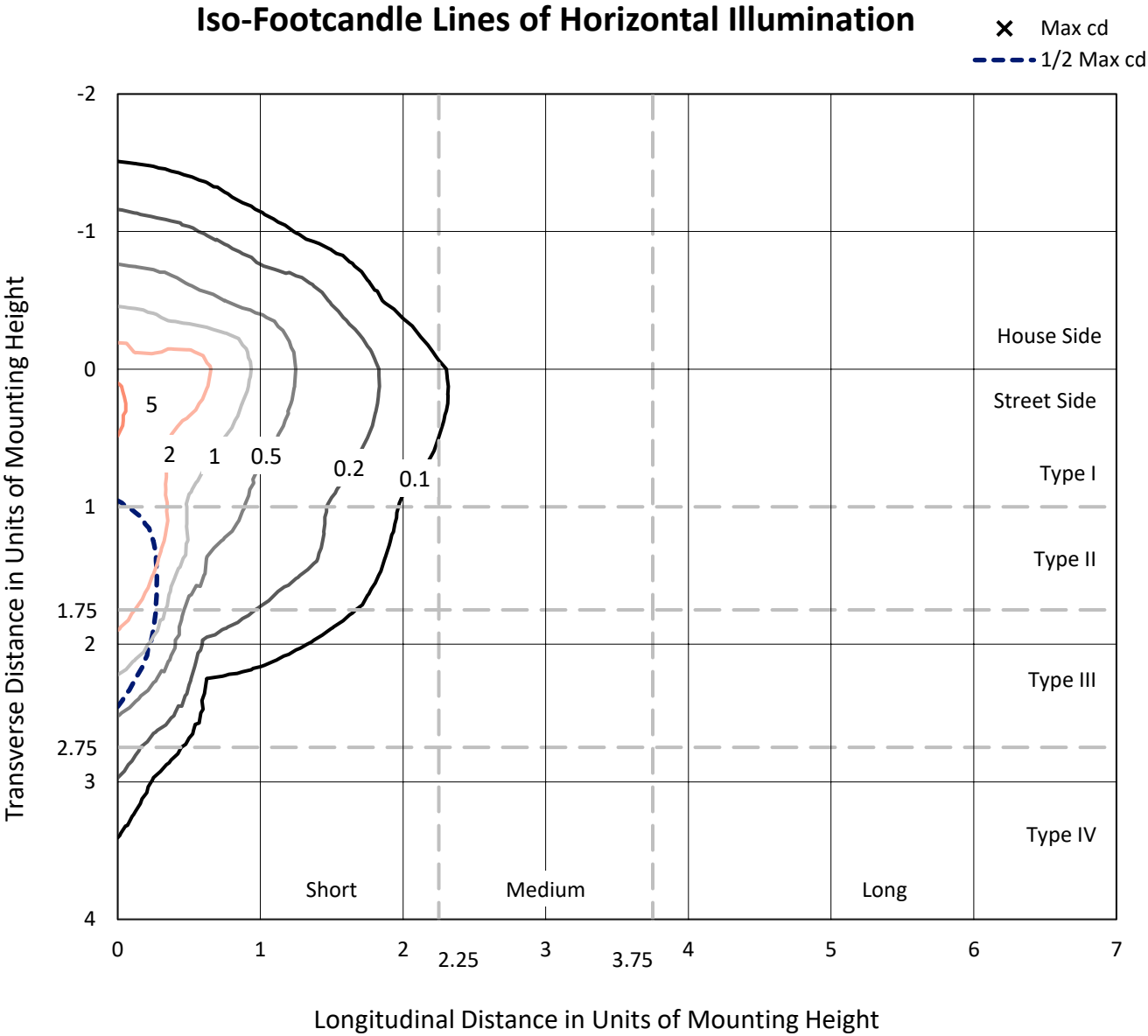
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17933 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 182.7
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

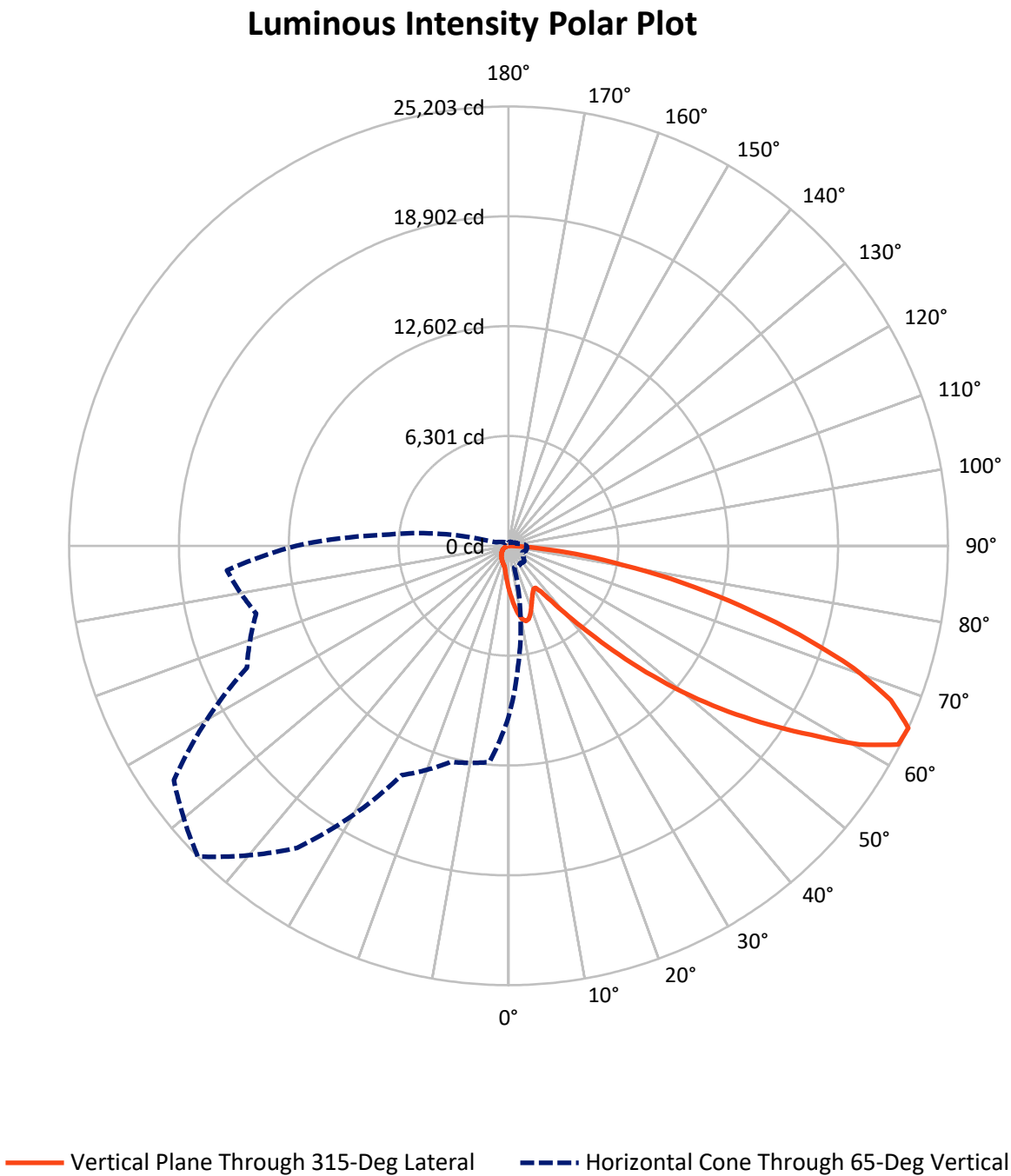


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Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type IV - Short - N/A

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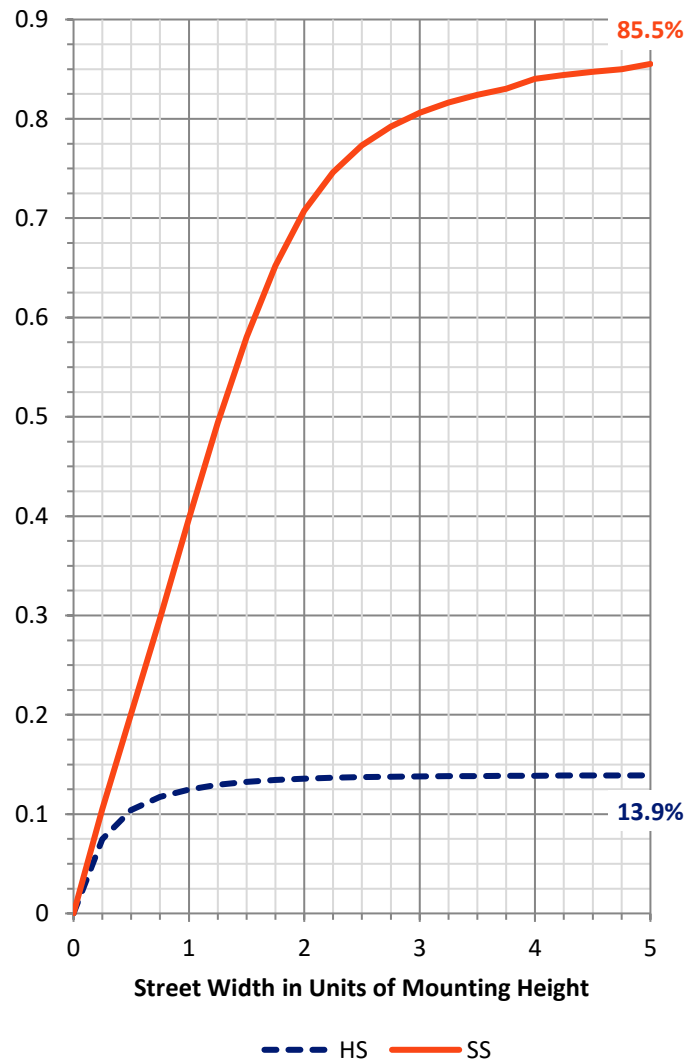
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2511.4	0.0	2511.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	15421.6	0.0	15421.6
	% Fixture	86.0	0.0	86.0
Total	Lumens	17933.0	0.0	17933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	1.4
10°-20°	732.9	4.1
20°-30°	1079.7	6.0
30°-40°	1387.1	7.7
40°-50°	2243.3	12.5
50°-60°	3933.8	21.9
60°-70°	4922.3	27.4
70°-80°	2876.4	16.0
80°-90°	513.2	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°	17933.0	100.0
0°-180°	17933.0	100.0

Coefficient of Utilization



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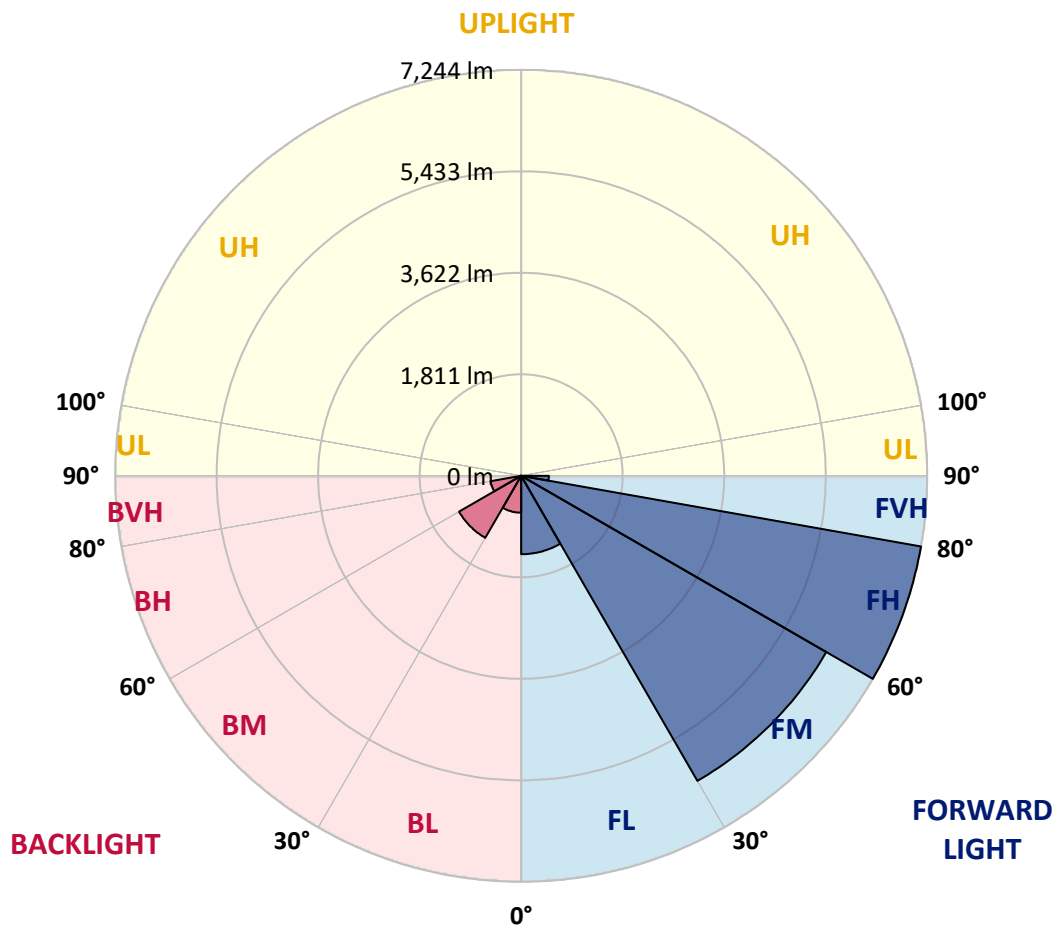
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1398.7	7.8			
FM	(30°-60°)	6285.3	35.0			
FH	(60°-80°)	7244.1	40.4			G3/7500
FVH	(80°-90°)	493.5	2.8			G3/500
BL	(0°-30°)	658.3	3.7	B2/1000		
BM	(30°-60°)	1278.9	7.1	B2/2500		
BH	(60°-80°)	554.5	3.1	B2/1000		G2/1000
BVH	(80°-90°)	19.7	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°	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1
2.5°	2805.6	2757.4	2729.0	2658.6	2588.2	2531.3	2454.7	2404.1	2343.5	2285.5	2233.6
5°	3126.8	3049.0	2955.1	2826.6	2709.2	2589.4	2473.3	2358.4	2237.3	2126.1	2058.2
7.5°	3398.6	3286.2	3120.6	2950.1	2800.6	2656.1	2520.2	2368.3	2221.2	2047.1	1954.4
10°	3606.1	3462.8	3245.4	3021.8	2850.1	2704.3	2572.1	2443.6	2295.4	2085.3	1969.2
12.5°	3732.1	3578.9	3320.7	3058.8	2862.4	2699.3	2596.8	2540.0	2481.9	2273.1	2137.2
15°	3824.8	3659.2	3373.9	3084.8	2834.0	2633.9	2558.5	2615.3	2682.0	2548.6	2391.7
17.5°	3921.1	3747.0	3443.0	3095.9	2757.4	2506.6	2474.5	2621.5	2775.9	2769.8	2614.1
20°	4012.6	3839.6	3503.6	3088.5	2633.9	2352.2	2380.6	2568.4	2747.5	2822.9	2738.9
22.5°	4117.6	3934.7	3561.6	3060.1	2473.3	2207.7	2296.6	2484.4	2641.3	2730.2	2704.3
25°	4246.1	4054.6	3643.2	3018.1	2300.3	2087.8	2211.4	2386.8	2514.0	2575.8	2574.6
27.5°	4384.4	4197.9	3751.9	2995.8	2160.7	2002.6	2115.0	2270.7	2384.3	2427.6	2427.6
30°	4556.1	4364.7	3880.4	2971.1	2069.3	1953.2	2014.9	2136.0	2247.2	2290.4	2290.4
32.5°	4743.9	4550.0	4003.9	2911.8	2013.7	1916.1	1917.3	1993.9	2095.2	2147.1	2154.5
35°	4978.6	4772.3	4136.1	2782.1	1969.2	1872.9	1822.2	1859.3	1943.3	2005.0	2021.1
37.5°	5313.4	5063.9	4297.9	2596.8	1903.7	1806.1	1722.1	1730.8	1795.0	1863.0	1887.7
40°	5775.5	5455.5	4488.2	2404.1	1809.9	1712.3	1612.2	1608.5	1655.4	1722.1	1749.3
42.5°	6400.6	5973.1	4716.7	2220.0	1719.7	1598.6	1496.1	1489.9	1526.9	1585.0	1613.4
45°	7225.8	6635.3	4997.2	2061.9	1649.3	1487.4	1386.1	1383.6	1414.5	1465.2	1494.8
47.5°	8282.1	7555.7	5277.6	1954.4	1612.2	1399.7	1295.9	1300.9	1328.1	1373.8	1394.8
50°	9649.7	8755.3	5362.9	1900.0	1612.2	1352.8	1215.6	1240.3	1262.6	1297.2	1309.5
52.5°	11289.1	9906.6	5081.2	1850.6	1622.1	1358.9	1147.7	1200.8	1216.9	1246.5	1251.5
55°	12808.6	10471.2	4368.4	1782.7	1624.5	1397.2	1089.6	1168.7	1198.3	1209.5	1208.2
57.5°	13690.7	10277.3	3532.0	1667.8	1614.7	1423.2	1052.6	1129.2	1186.0	1193.4	1182.3
60°	13522.6	9596.6	2600.5	1580.1	1541.8	1413.3	1041.4	1068.6	1158.8	1169.9	1155.1
62.5°	12228.0	8455.1	1804.9	1512.1	1381.2	1370.1	1037.7	973.5	1099.5	1126.7	1105.7
65°	9828.8	6656.3	1274.9	1302.1	1210.7	1276.2	1018.0	874.7	1027.8	1064.9	1032.8
67.5°	7130.7	4504.3	920.4	1055.0	1097.0	1124.2	973.5	803.0	946.3	995.7	953.7
70°	4575.9	2432.5	646.1	696.8	924.1	955.0	896.9	738.8	863.5	920.4	874.7
72.5°	3252.8	1436.8	464.5	488.0	742.5	795.6	789.4	667.1	767.2	836.4	782.0
75°	2244.7	791.9	313.8	348.4	538.6	646.1	609.1	573.2	649.8	720.2	667.1
77.5°	1407.1	354.6	187.8	242.1	353.3	507.7	417.6	443.5	506.5	572.0	516.4
80°	783.2	137.1	105.0	160.6	192.7	369.4	231.0	285.4	373.1	420.0	375.6
82.5°	170.5	17.3	46.9	69.2	75.4	215.0	122.3	165.5	234.7	231.0	200.1
85°	0.0	0.0	8.6	9.9	4.9	92.7	44.5	54.4	76.6	71.7	54.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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°	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1
2.5°	2223.7	2163.2	2118.7	2096.5	2077.9	2095.2	2105.1	2105.1	2147.1	2171.8	2181.7
5°	2014.9	1906.2	1823.4	1767.9	1734.5	1745.6	1758.0	1771.6	1824.7	1860.5	1884.0
7.5°	1870.4	1703.6	1577.6	1499.8	1459.0	1465.2	1473.8	1484.9	1536.8	1572.7	1603.5
10°	1843.2	1603.5	1425.6	1323.1	1273.7	1265.0	1260.1	1256.4	1287.3	1314.5	1339.2
12.5°	1954.4	1608.5	1360.2	1235.4	1174.9	1148.9	1119.3	1095.8	1100.7	1118.0	1148.9
15°	2153.3	1671.5	1339.2	1189.7	1114.3	1071.1	1036.5	1008.1	1001.9	1008.1	1013.0
17.5°	2380.6	1756.7	1336.7	1150.2	1056.3	1011.8	983.4	957.4	948.8	950.0	956.2
20°	2531.3	1824.7	1329.3	1105.7	1000.7	961.1	936.4	910.5	901.8	904.3	905.5
22.5°	2546.2	1860.5	1318.2	1056.3	945.1	911.7	887.0	863.5	862.3	862.3	869.7
25°	2465.9	1860.5	1294.7	1011.8	892.0	862.3	840.1	811.7	816.6	819.1	829.0
27.5°	2341.1	1816.0	1250.2	976.0	846.2	815.4	793.1	767.2	773.4	777.1	788.2
30°	2217.5	1759.2	1197.1	935.2	803.0	767.2	751.1	728.9	731.4	736.3	748.7
32.5°	2102.6	1698.7	1134.1	901.8	759.8	723.9	711.6	686.9	690.6	695.5	709.1
35°	1989.0	1632.0	1060.0	862.3	720.2	684.4	674.5	646.1	648.6	656.0	670.8
37.5°	1866.7	1561.5	999.4	822.8	681.9	644.9	635.0	605.3	607.8	616.5	633.8
40°	1738.2	1492.4	940.1	780.8	641.2	604.1	595.5	563.3	565.8	575.7	594.2
42.5°	1608.5	1417.0	894.4	726.4	599.2	559.6	551.0	521.3	525.0	536.2	554.7
45°	1488.7	1326.8	864.8	665.9	559.6	515.2	506.5	479.3	486.7	499.1	517.6
47.5°	1386.1	1234.2	852.4	615.2	517.6	469.5	462.0	439.8	452.2	465.7	480.6
50°	1298.4	1145.2	836.4	563.3	478.1	429.9	422.5	407.7	423.7	437.3	450.9
52.5°	1235.4	1043.9	801.8	516.4	443.5	396.6	394.1	386.7	401.5	413.9	426.2
55°	1181.0	938.9	746.2	475.6	412.6	368.1	370.6	366.9	379.3	389.1	400.3
57.5°	1131.6	847.5	675.8	443.5	379.3	343.4	350.9	345.9	352.1	358.3	371.9
60°	1072.3	754.8	591.8	407.7	339.7	318.7	327.4	313.8	312.6	315.0	318.7
62.5°	984.6	630.1	504.0	363.2	305.1	291.6	295.3	269.3	249.6	249.6	253.3
65°	862.3	506.5	422.5	313.8	265.6	254.5	252.0	215.0	187.8	185.3	196.4
67.5°	720.2	416.3	350.9	264.4	221.1	213.7	216.2	189.0	161.8	159.4	171.7
70°	586.8	344.7	282.9	211.3	170.5	177.9	189.0	161.8	135.9	132.2	143.3
72.5°	476.9	274.3	221.1	161.8	126.0	147.0	160.6	132.2	107.5	105.0	114.9
75°	368.1	201.4	158.1	110.0	91.4	113.7	126.0	96.4	76.6	72.9	81.5
77.5°	245.8	124.8	88.9	69.2	54.4	77.8	84.0	50.7	44.5	43.2	49.4
80°	149.5	58.1	38.3	33.4	18.5	28.4	33.4	21.0	23.5	24.7	29.6
82.5°	75.4	16.1	6.2	1.2	0.0	0.0	9.9	4.9	9.9	12.4	18.5
85°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	11.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
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°	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1
2.5°	2250.9	2302.8	2352.2	2431.3	2512.8	2593.1	2674.6	2753.7	2782.1	2803.1	2850.1
5°	1991.5	2089.1	2202.7	2359.6	2527.6	2700.6	2876.0	3036.6	3109.5	3158.9	3270.1
7.5°	1723.4	1850.6	2013.7	2249.7	2512.8	2788.3	3063.8	3317.0	3434.4	3529.5	3698.8
10°	1457.8	1596.1	1802.4	2071.8	2427.6	2822.9	3203.4	3551.8	3703.7	3823.6	4053.3
12.5°	1224.3	1354.0	1570.2	1867.9	2294.1	2795.7	3283.7	3702.5	3881.6	4016.3	4268.3
15°	1060.0	1151.4	1342.9	1664.1	2136.0	2708.0	3288.6	3774.1	3970.6	4111.4	4330.1
17.5°	968.6	999.4	1124.2	1456.5	1960.6	2593.1	3242.9	3798.8	4008.9	4139.8	4291.8
20°	919.1	924.1	958.7	1187.2	1735.7	2485.6	3199.7	3823.6	4044.7	4154.6	4200.3
22.5°	879.6	879.6	888.2	971.0	1445.4	2357.1	3186.1	3866.8	4094.1	4162.1	4068.2
25°	843.8	843.8	846.2	868.5	1145.2	2160.7	3177.4	3933.5	4162.1	4180.6	3922.4
27.5°	806.7	807.9	807.9	820.3	922.8	1893.9	3140.4	4020.0	4243.6	4205.3	3782.8
30°	769.7	772.1	772.1	780.8	816.6	1581.3	3067.5	4123.8	4349.8	4237.4	3644.4
32.5°	732.6	735.1	735.1	742.5	768.4	1262.6	2976.1	4218.9	4457.3	4251.0	3515.9
35°	694.3	698.0	695.5	705.4	732.6	1004.4	2859.9	4314.0	4573.4	4294.2	3452.9
37.5°	656.0	658.5	657.2	667.1	698.0	867.2	2725.3	4385.7	4731.6	4390.6	3528.3
40°	617.7	616.5	616.5	627.6	660.9	827.7	2556.0	4499.3	4958.9	4559.8	3856.9
42.5°	578.2	578.2	575.7	588.0	628.8	798.1	2394.2	4703.2	5290.0	4829.2	4440.0
45°	542.3	541.1	536.2	547.3	597.9	746.2	2337.4	5083.7	5779.2	5265.3	5145.4
47.5°	507.7	506.5	494.2	504.0	560.9	699.2	2549.9	5706.3	6457.4	5906.4	5806.4
50°	476.9	478.1	454.6	463.3	523.8	663.4	3010.7	6514.2	7358.0	6770.0	6432.7
52.5°	448.4	448.4	417.6	422.5	478.1	631.3	3449.2	7390.1	8546.5	7974.5	7162.8
55°	420.0	417.6	383.0	385.4	432.4	585.6	3514.7	8245.0	10167.3	9786.8	8161.0
57.5°	387.9	383.0	350.9	350.9	390.4	552.2	3046.5	8902.3	12178.5	12450.3	9600.3
60°	348.4	344.7	323.7	317.5	357.0	581.9	2149.6	8978.9	13475.7	15992.2	12356.4
62.5°	297.7	302.7	291.6	282.9	324.9	604.1	1273.7	8362.4	13161.9	17118.9	15657.4
65°	234.7	254.5	252.0	245.8	357.0	509.0	752.4	7178.9	12199.5	16209.6	14984.1
67.5°	200.1	213.7	210.0	210.0	374.3	386.7	473.2	5608.7	10875.2	15131.1	13384.3
70°	170.5	184.1	170.5	170.5	282.9	234.7	327.4	3916.2	9445.8	13937.7	12334.2
72.5°	140.8	154.4	139.6	129.7	226.1	175.4	239.7	2447.3	8089.4	12694.9	11615.2
75°	107.5	123.5	112.4	100.1	149.5	131.0	181.6	1421.9	6702.0	10861.6	10591.1
77.5°	67.9	88.9	84.0	70.4	110.0	95.1	131.0	846.2	5171.4	8487.2	9109.8
80°	42.0	45.7	46.9	44.5	63.0	64.2	88.9	481.8	3539.4	5915.1	7117.1
82.5°	27.2	27.2	21.0	23.5	30.9	37.1	50.7	181.6	2080.4	3601.2	4953.9
85°	19.8	17.3	11.1	11.1	14.8	18.5	19.8	55.6	843.8	1421.9	1937.1
87.5°	9.9	8.6	3.7	4.9	7.4	6.2	4.9	2.5	212.5	454.6	318.7
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-SB5B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1	2483.1
2.5°	2874.8	2913.1	2915.5	2915.5	2882.2	2880.9	2813.0	2805.6
5°	3385.0	3409.7	3415.9	3403.5	3336.8	3287.4	3155.2	3126.8
7.5°	3852.0	3901.4	3901.4	3871.7	3763.0	3661.7	3470.2	3398.6
10°	4225.1	4281.9	4269.5	4209.0	4071.9	3932.3	3700.0	3606.1
12.5°	4406.7	4464.7	4432.6	4363.4	4230.0	4083.0	3838.4	3732.1
15°	4403.0	4386.9	4353.5	4344.9	4280.6	4169.5	3940.9	3824.8
17.5°	4246.1	4110.2	4084.2	4170.7	4252.2	4225.1	4029.9	3921.1
20°	3997.7	3760.5	3737.1	3902.6	4134.9	4253.5	4112.6	4012.6
22.5°	3735.8	3480.1	3425.8	3608.6	3958.2	4262.1	4217.6	4117.6
25°	3487.5	3230.6	3176.2	3346.7	3761.8	4247.3	4331.3	4246.1
27.5°	3280.0	3031.7	2981.0	3151.5	3572.8	4205.3	4445.0	4384.4
30°	3119.4	2889.6	2852.5	3016.8	3409.7	4153.4	4589.5	4556.1
32.5°	3025.5	2857.5	2871.1	3005.7	3322.0	4096.6	4727.9	4743.9
35°	3118.1	3125.6	3244.2	3299.7	3403.5	4087.9	4915.6	4978.6
37.5°	3578.9	3835.9	4081.7	4036.0	3802.6	4188.0	5196.1	5313.4
40°	4363.4	4890.9	5290.0	5115.8	4527.7	4494.4	5600.1	5775.5
42.5°	5322.1	6216.5	6873.7	6406.8	5462.9	5030.5	6177.0	6400.6
45°	6333.9	7850.9	8886.2	7915.2	6459.9	5781.7	7050.4	7225.8
47.5°	7400.0	9837.5	11176.6	9587.9	7384.0	6636.5	8241.3	8282.1
50°	8566.2	12015.5	13511.5	11259.4	8275.9	7616.2	9696.6	9649.7
52.5°	9676.9	14255.2	15797.0	12938.3	9059.2	8831.8	11385.4	11289.1
55°	10736.8	16493.8	18096.1	14551.7	9797.9	10437.9	13391.7	12808.6
57.5°	11966.0	18506.2	20465.6	16172.6	10830.7	12523.2	15635.2	13690.7
60°	13783.3	20793.0	23145.2	18393.8	12795.0	14714.8	16439.4	13522.6
62.5°	16103.4	22895.6	25093.4	20570.6	14767.9	15127.4	15254.7	12228.0
65°	16554.3	23428.1	25203.3	21152.5	14513.4	12832.1	12454.0	9828.8
67.5°	15358.4	22465.7	23666.5	20069.0	12838.2	9916.5	9345.8	7130.7
70°	14016.8	20631.1	20988.1	18227.0	11291.5	7293.8	6311.6	4575.9
72.5°	12641.8	18183.8	17445.0	15829.1	9923.9	5311.0	4552.4	3252.8
75°	11008.6	14965.6	13741.3	13152.0	8216.6	4168.2	3293.6	2244.7
77.5°	8815.8	10534.2	10206.8	10194.5	6174.5	3045.3	2197.8	1407.1
80°	6219.0	6836.7	6669.9	7678.0	4142.3	2208.9	1323.1	783.2
82.5°	3010.7	3780.3	3880.4	4572.2	2014.9	1299.6	305.1	170.5
85°	1178.6	1823.4	1538.1	1735.7	565.8	362.0	7.4	0.0
87.5°	132.2	211.3	194.0	153.2	69.2	14.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)