

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: P945912

Luminaire Tested: **GALN-SB1D-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945912
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-SB1D-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

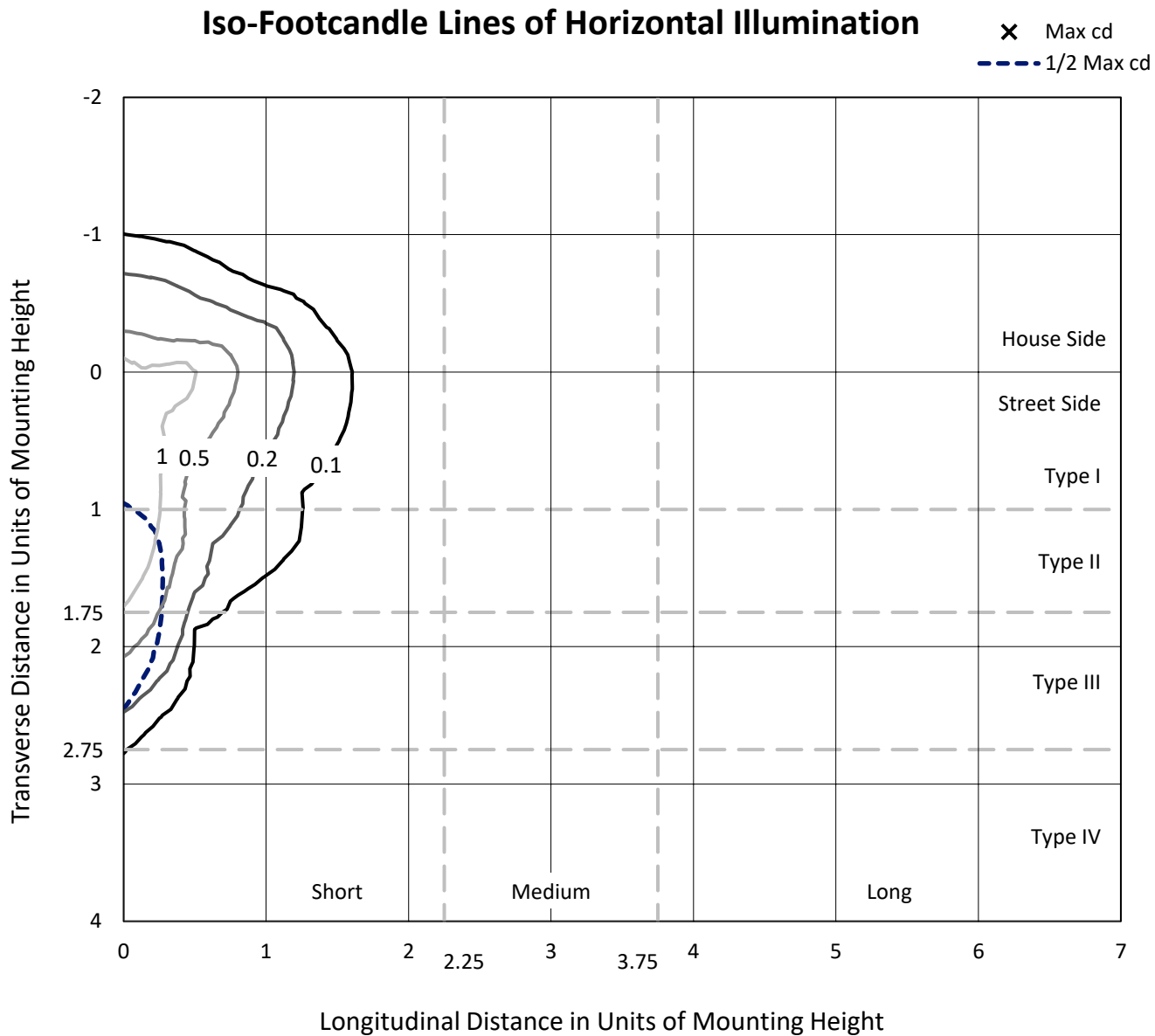
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6418 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 79.6
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



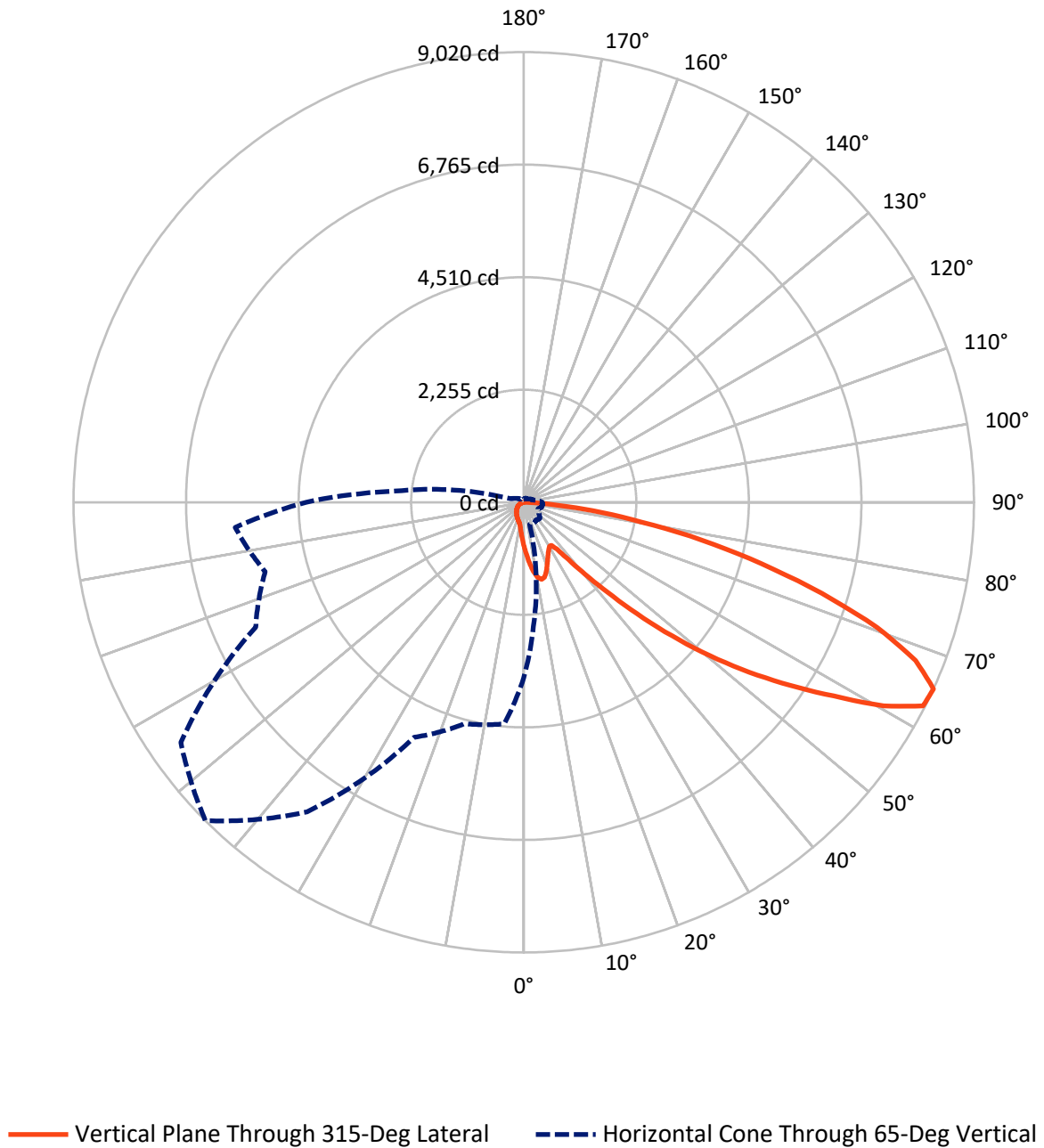
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Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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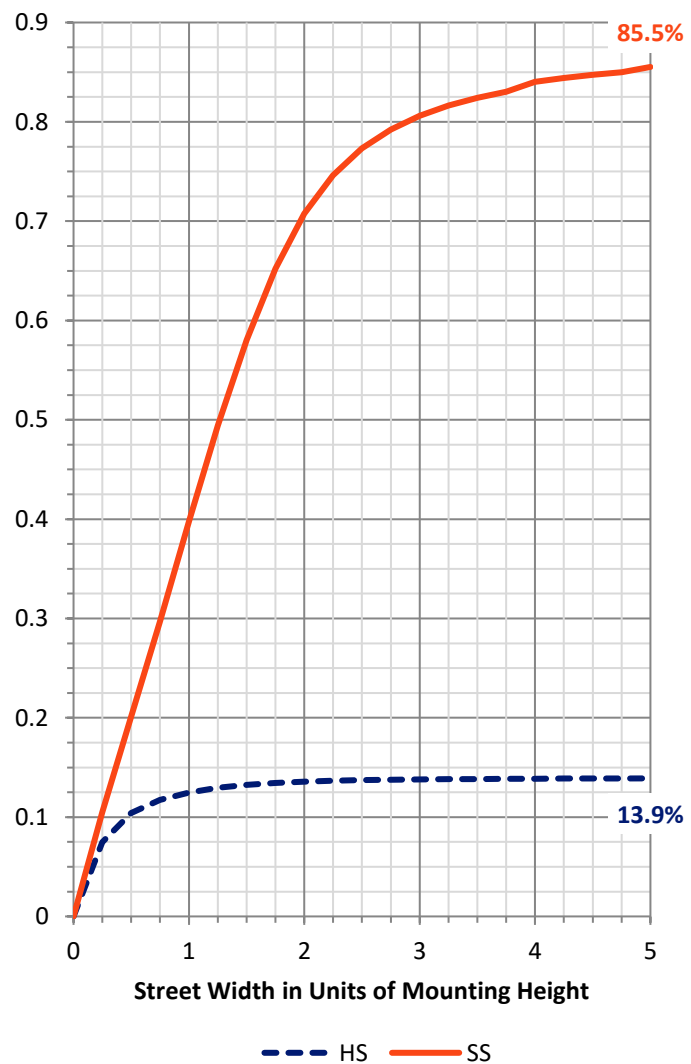
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	898.8	0.0	898.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	5519.2	0.0	5519.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	6418.0	0.0	6418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.4
10°-20°	262.3	4.1
20°-30°	386.4	6.0
30°-40°	496.4	7.7
40°-50°	802.8	12.5
50°-60°	1407.9	21.9
60°-70°	1761.6	27.4
70°-80°	1029.4	16.0
80°-90°	183.7	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°	6418.0	100.0
0°-180°	6418.0	100.0

Coefficient of Utilization



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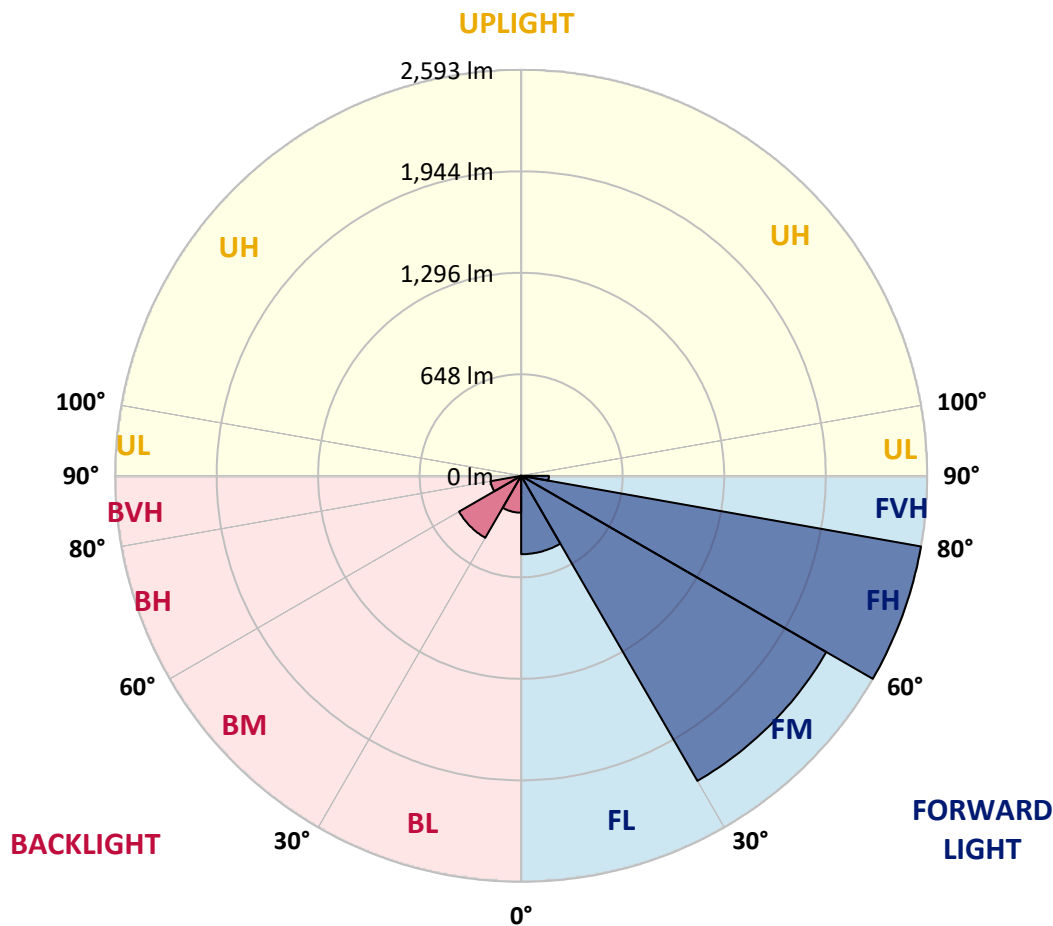
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	500.6	7.8			
FM	(30°-60°)	2249.4	35.0			
FH	(60°-80°)	2592.6	40.4			G2/5000
FVH	(80°-90°)	176.6	2.8			G2/225
BL	(0°-30°)	235.6	3.7	B1/500		
BM	(30°-60°)	457.7	7.1	B1/1000		
BH	(60°-80°)	198.5	3.1	B1/500		G1/500
BVH	(80°-90°)	7.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7
2.5°	1004.1	986.8	976.7	951.5	926.3	905.9	878.5	860.4	838.7	817.9	799.4
5°	1119.0	1091.2	1057.6	1011.6	969.6	926.7	885.2	844.0	800.7	760.9	736.6
7.5°	1216.3	1176.1	1116.8	1055.8	1002.3	950.6	902.0	847.6	795.0	732.6	699.5
10°	1290.6	1239.3	1161.5	1081.5	1020.0	967.8	920.5	874.5	821.5	746.3	704.8
12.5°	1335.7	1280.9	1188.5	1094.7	1024.4	966.1	929.4	909.0	888.2	813.5	764.9
15°	1368.8	1309.6	1207.5	1104.0	1014.3	942.6	915.7	936.0	959.9	912.1	856.0
17.5°	1403.3	1341.0	1232.2	1108.0	986.8	897.1	885.6	938.2	993.5	991.3	935.6
20°	1436.0	1374.1	1253.9	1105.3	942.6	841.8	852.0	919.2	983.3	1010.3	980.2
22.5°	1473.6	1408.2	1274.7	1095.2	885.2	790.1	821.9	889.1	945.3	977.1	967.8
25°	1519.6	1451.1	1303.9	1080.1	823.3	747.2	791.4	854.2	899.7	921.8	921.4
27.5°	1569.1	1502.4	1342.8	1072.2	773.3	716.7	756.9	812.6	853.3	868.8	868.8
30°	1630.6	1562.1	1388.7	1063.3	740.6	699.0	721.1	764.4	804.2	819.7	819.7
32.5°	1697.8	1628.4	1433.0	1042.1	720.7	685.7	686.2	713.6	749.9	768.4	771.1
35°	1781.8	1708.0	1480.3	995.7	704.8	670.3	652.1	665.4	695.5	717.6	723.3
37.5°	1901.6	1812.3	1538.2	929.4	681.3	646.4	616.3	619.4	642.4	666.7	675.6
40°	2067.0	1952.5	1606.3	860.4	647.7	612.8	577.0	575.7	592.5	616.3	626.1
42.5°	2290.7	2137.7	1688.1	794.5	615.4	572.1	535.4	533.2	546.5	567.3	577.4
45°	2586.0	2374.7	1788.4	737.9	590.2	532.3	496.1	495.2	506.2	524.4	535.0
47.5°	2964.1	2704.1	1888.8	699.5	577.0	500.9	463.8	465.6	475.3	491.7	499.2
50°	3453.5	3133.4	1919.3	680.0	577.0	484.1	435.1	443.9	451.9	464.2	468.7
52.5°	4040.2	3545.5	1818.5	662.3	580.5	486.3	410.7	429.8	435.5	446.1	447.9
55°	4584.0	3747.5	1563.4	638.0	581.4	500.1	390.0	418.3	428.9	432.8	432.4
57.5°	4899.7	3678.1	1264.1	596.9	577.9	509.3	376.7	404.1	424.4	427.1	423.1
60°	4839.6	3434.5	930.7	565.5	551.8	505.8	372.7	382.4	414.7	418.7	413.4
62.5°	4376.2	3026.0	646.0	541.2	494.3	490.3	371.4	348.4	393.5	403.2	395.7
65°	3517.6	2382.2	456.3	466.0	433.3	456.7	364.3	313.0	367.9	381.1	369.6
67.5°	2552.0	1612.0	329.4	377.6	392.6	402.3	348.4	287.4	338.7	356.4	341.3
70°	1637.7	870.6	231.2	249.4	330.7	341.8	321.0	264.4	309.1	329.4	313.0
72.5°	1164.1	514.2	166.2	174.6	265.7	284.7	282.5	238.8	274.6	299.3	279.9
75°	803.4	283.4	112.3	124.7	192.8	231.2	218.0	205.1	232.6	257.8	238.8
77.5°	503.6	126.9	67.2	86.7	126.5	181.7	149.4	158.7	181.3	204.7	184.8
80°	280.3	49.1	37.6	57.5	69.0	132.2	82.7	102.1	133.5	150.3	134.4
82.5°	61.0	6.2	16.8	24.8	27.0	76.9	43.8	59.2	84.0	82.7	71.6
85°	0.0	0.0	3.1	3.5	1.8	33.2	15.9	19.5	27.4	25.6	19.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7
2.5°	795.8	774.2	758.3	750.3	743.7	749.9	753.4	753.4	768.4	777.3	780.8
5°	721.1	682.2	652.6	632.7	620.8	624.7	629.2	634.0	653.0	665.9	674.3
7.5°	669.4	609.7	564.6	536.7	522.2	524.4	527.5	531.4	550.0	562.8	573.9
10°	659.7	573.9	510.2	473.5	455.8	452.7	451.0	449.6	460.7	470.4	479.3
12.5°	699.5	575.7	486.8	442.1	420.5	411.2	400.6	392.2	393.9	400.1	411.2
15°	770.6	598.2	479.3	425.8	398.8	383.3	370.9	360.8	358.6	360.8	362.5
17.5°	852.0	628.7	478.4	411.6	378.0	362.1	351.9	342.7	339.6	340.0	342.2
20°	905.9	653.0	475.7	395.7	358.1	344.0	335.1	325.9	322.8	323.6	324.1
22.5°	911.2	665.9	471.8	378.0	338.2	326.3	317.5	309.1	308.6	308.6	311.3
25°	882.5	665.9	463.4	362.1	319.2	308.6	300.7	290.5	292.3	293.1	296.7
27.5°	837.8	649.9	447.4	349.3	302.9	291.8	283.8	274.6	276.8	278.1	282.1
30°	793.6	629.6	428.4	334.7	287.4	274.6	268.8	260.9	261.7	263.5	267.9
32.5°	752.5	607.9	405.9	322.8	271.9	259.1	254.7	245.8	247.2	248.9	253.8
35°	711.8	584.1	379.4	308.6	257.8	244.9	241.4	231.2	232.1	234.8	240.1
37.5°	668.1	558.9	357.7	294.5	244.1	230.8	227.3	216.6	217.5	220.6	226.8
40°	622.1	534.1	336.5	279.4	229.5	216.2	213.1	201.6	202.5	206.0	212.7
42.5°	575.7	507.1	320.1	260.0	214.4	200.3	197.2	186.6	187.9	191.9	198.5
45°	532.8	474.9	309.5	238.3	200.3	184.4	181.3	171.5	174.2	178.6	185.3
47.5°	496.1	441.7	305.1	220.2	185.3	168.0	165.4	157.4	161.8	166.7	172.0
50°	464.7	409.9	299.3	201.6	171.1	153.9	151.2	145.9	151.7	156.5	161.4
52.5°	442.1	373.6	286.9	184.8	158.7	141.9	141.0	138.4	143.7	148.1	152.5
55°	422.7	336.0	267.0	170.2	147.7	131.8	132.6	131.3	135.7	139.3	143.3
57.5°	405.0	303.3	241.8	158.7	135.7	122.9	125.6	123.8	126.0	128.2	133.1
60°	383.8	270.1	211.8	145.9	121.6	114.1	117.2	112.3	111.9	112.7	114.1
62.5°	352.4	225.5	180.4	130.0	109.2	104.3	105.7	96.4	89.3	89.3	90.6
65°	308.6	181.3	151.2	112.3	95.1	91.1	90.2	76.9	67.2	66.3	70.3
67.5°	257.8	149.0	125.6	94.6	79.1	76.5	77.4	67.6	57.9	57.0	61.5
70°	210.0	123.4	101.2	75.6	61.0	63.7	67.6	57.9	48.6	47.3	51.3
72.5°	170.7	98.2	79.1	57.9	45.1	52.6	57.5	47.3	38.5	37.6	41.1
75°	131.8	72.1	56.6	39.3	32.7	40.7	45.1	34.5	27.4	26.1	29.2
77.5°	88.0	44.7	31.8	24.8	19.5	27.9	30.1	18.1	15.9	15.5	17.7
80°	53.5	20.8	13.7	11.9	6.6	10.2	11.9	7.5	8.4	8.8	10.6
82.5°	27.0	5.7	2.2	0.4	0.0	0.0	3.5	1.8	3.5	4.4	6.6
85°	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.2	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7
2.5°	805.6	824.1	841.8	870.1	899.3	928.0	957.2	985.5	995.7	1003.2	1020.0
5°	712.7	747.6	788.3	844.5	904.6	966.5	1029.3	1086.8	1112.8	1130.5	1170.3
7.5°	616.8	662.3	720.7	805.1	899.3	997.9	1096.5	1187.1	1229.1	1263.2	1323.7
10°	521.7	571.2	645.1	741.5	868.8	1010.3	1146.5	1271.1	1325.5	1368.4	1450.6
12.5°	438.2	484.6	562.0	668.5	821.0	1000.5	1175.2	1325.1	1389.2	1437.4	1527.6
15°	379.4	412.1	480.6	595.6	764.4	969.2	1177.0	1350.7	1421.0	1471.4	1549.7
17.5°	346.6	357.7	402.3	521.3	701.7	928.0	1160.6	1359.6	1434.7	1481.6	1536.0
20°	328.9	330.7	343.1	424.9	621.2	889.6	1145.1	1368.4	1447.5	1486.9	1503.3
22.5°	314.8	314.8	317.9	347.5	517.3	843.6	1140.3	1383.9	1465.2	1489.5	1455.9
25°	302.0	302.0	302.9	310.8	409.9	773.3	1137.2	1407.8	1489.5	1496.2	1403.8
27.5°	288.7	289.2	289.2	293.6	330.3	677.8	1123.9	1438.7	1518.7	1505.0	1353.8
30°	275.4	276.3	276.3	279.4	292.3	565.9	1097.8	1475.8	1556.8	1516.5	1304.3
32.5°	262.2	263.1	263.1	265.7	275.0	451.9	1065.1	1509.9	1595.2	1521.4	1258.3
35°	248.5	249.8	248.9	252.5	262.2	359.5	1023.5	1543.9	1636.8	1536.9	1235.8
37.5°	234.8	235.7	235.2	238.8	249.8	310.4	975.3	1569.6	1693.4	1571.3	1262.7
40°	221.1	220.6	220.6	224.6	236.5	296.2	914.8	1610.2	1774.7	1631.9	1380.3
42.5°	206.9	206.9	206.0	210.5	225.0	285.6	856.9	1683.2	1893.2	1728.3	1589.0
45°	194.1	193.7	191.9	195.9	214.0	267.0	836.5	1819.4	2068.3	1884.4	1841.5
47.5°	181.7	181.3	176.9	180.4	200.7	250.2	912.6	2042.2	2311.0	2113.8	2078.0
50°	170.7	171.1	162.7	165.8	187.5	237.4	1077.5	2331.4	2633.3	2422.9	2302.2
52.5°	160.5	160.5	149.4	151.2	171.1	225.9	1234.4	2644.8	3058.7	2854.0	2563.5
55°	150.3	149.4	137.1	137.9	154.7	209.6	1257.9	2950.8	3638.8	3502.6	2920.7
57.5°	138.8	137.1	125.6	125.6	139.7	197.6	1090.3	3186.0	4358.5	4455.8	3435.8
60°	124.7	123.4	115.8	113.6	127.8	208.2	769.3	3213.4	4822.8	5723.4	4422.2
62.5°	106.6	108.3	104.3	101.2	116.3	216.2	455.8	2992.8	4710.5	6126.6	5603.6
65°	84.0	91.1	90.2	88.0	127.8	182.2	269.3	2569.2	4366.1	5801.2	5362.6
67.5°	71.6	76.5	75.2	75.2	134.0	138.4	169.3	2007.3	3892.1	5415.2	4790.1
70°	61.0	65.9	61.0	61.0	101.2	84.0	117.2	1401.6	3380.6	4988.1	4414.3
72.5°	50.4	55.3	50.0	46.4	80.9	62.8	85.8	875.9	2895.1	4543.4	4156.9
75°	38.5	44.2	40.2	35.8	53.5	46.9	65.0	508.9	2398.6	3887.2	3790.4
77.5°	24.3	31.8	30.1	25.2	39.3	34.0	46.9	302.9	1850.8	3037.5	3260.3
80°	15.0	16.4	16.8	15.9	22.5	23.0	31.8	172.4	1266.7	2116.9	2547.1
82.5°	9.7	9.7	7.5	8.4	11.1	13.3	18.1	65.0	744.6	1288.8	1773.0
85°	7.1	6.2	4.0	4.0	5.3	6.6	7.1	19.9	302.0	508.9	693.3
87.5°	3.5	3.1	1.3	1.8	2.7	2.2	1.8	0.9	76.0	162.7	114.1
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-SB1D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	888.7	888.7	888.7	888.7	888.7	888.7	888.7	888.7
2.5°	1028.8	1042.5	1043.4	1043.4	1031.5	1031.1	1006.7	1004.1
5°	1211.4	1220.3	1222.5	1218.1	1194.2	1176.5	1129.2	1119.0
7.5°	1378.6	1396.3	1396.3	1385.6	1346.7	1310.5	1242.0	1216.3
10°	1512.1	1532.4	1528.0	1506.3	1457.3	1407.3	1324.2	1290.6
12.5°	1577.1	1597.9	1586.4	1561.6	1513.9	1461.3	1373.7	1335.7
15°	1575.8	1570.0	1558.1	1555.0	1532.0	1492.2	1410.4	1368.8
17.5°	1519.6	1471.0	1461.7	1492.6	1521.8	1512.1	1442.2	1403.3
20°	1430.7	1345.9	1337.5	1396.7	1479.8	1522.3	1471.9	1436.0
22.5°	1337.0	1245.5	1226.0	1291.5	1416.6	1525.4	1509.4	1473.6
25°	1248.1	1156.2	1136.7	1197.7	1346.3	1520.1	1550.1	1519.6
27.5°	1173.9	1085.0	1066.9	1127.9	1278.6	1505.0	1590.8	1569.1
30°	1116.4	1034.1	1020.9	1079.7	1220.3	1486.5	1642.5	1630.6
32.5°	1082.8	1022.7	1027.5	1075.7	1188.9	1466.1	1692.0	1697.8
35°	1115.9	1118.6	1161.0	1180.9	1218.1	1463.0	1759.2	1781.8
37.5°	1280.9	1372.8	1460.8	1444.4	1360.9	1498.8	1859.6	1901.6
40°	1561.6	1750.4	1893.2	1830.9	1620.4	1608.5	2004.2	2067.0
42.5°	1904.7	2224.8	2460.0	2292.9	1955.1	1800.4	2210.7	2290.7
45°	2266.8	2809.8	3180.3	2832.7	2311.9	2069.2	2523.3	2586.0
47.5°	2648.4	3520.7	4000.0	3431.4	2642.6	2375.1	2949.5	2964.1
50°	3065.8	4300.2	4835.6	4029.6	2961.8	2725.8	3470.3	3453.5
52.5°	3463.2	5101.8	5653.6	4630.5	3242.2	3160.8	4074.7	4040.2
55°	3842.6	5902.9	6476.4	5207.9	3506.6	3735.6	4792.7	4584.0
57.5°	4282.5	6623.2	7324.4	5788.0	3876.2	4481.9	5595.6	4899.7
60°	4932.9	7441.5	8283.4	6582.9	4579.2	5266.2	5883.5	4839.6
62.5°	5763.2	8194.1	8980.6	7362.0	5285.3	5413.9	5459.5	4376.2
65°	5924.6	8384.6	9020.0	7570.2	5194.2	4592.4	4457.1	3517.6
67.5°	5496.6	8040.2	8469.9	7182.5	4594.6	3549.0	3344.7	2552.0
70°	5016.4	7383.6	7511.4	6523.2	4041.1	2610.4	2258.9	1637.7
72.5°	4524.3	6507.8	6243.4	5665.1	3551.7	1900.7	1629.3	1164.1
75°	3939.8	5356.0	4917.8	4706.9	2940.6	1491.8	1178.7	803.4
77.5°	3155.1	3770.1	3652.9	3648.5	2209.8	1089.9	786.6	503.6
80°	2225.7	2446.8	2387.1	2747.9	1482.5	790.5	473.5	280.3
82.5°	1077.5	1352.9	1388.7	1636.3	721.1	465.1	109.2	61.0
85°	421.8	652.6	550.5	621.2	202.5	129.5	2.7	0.0
87.5°	47.3	75.6	69.4	54.8	24.8	5.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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