

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: P948768

Luminaire Tested: **GALN-SB3D-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948768
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-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA 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: 19249 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

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

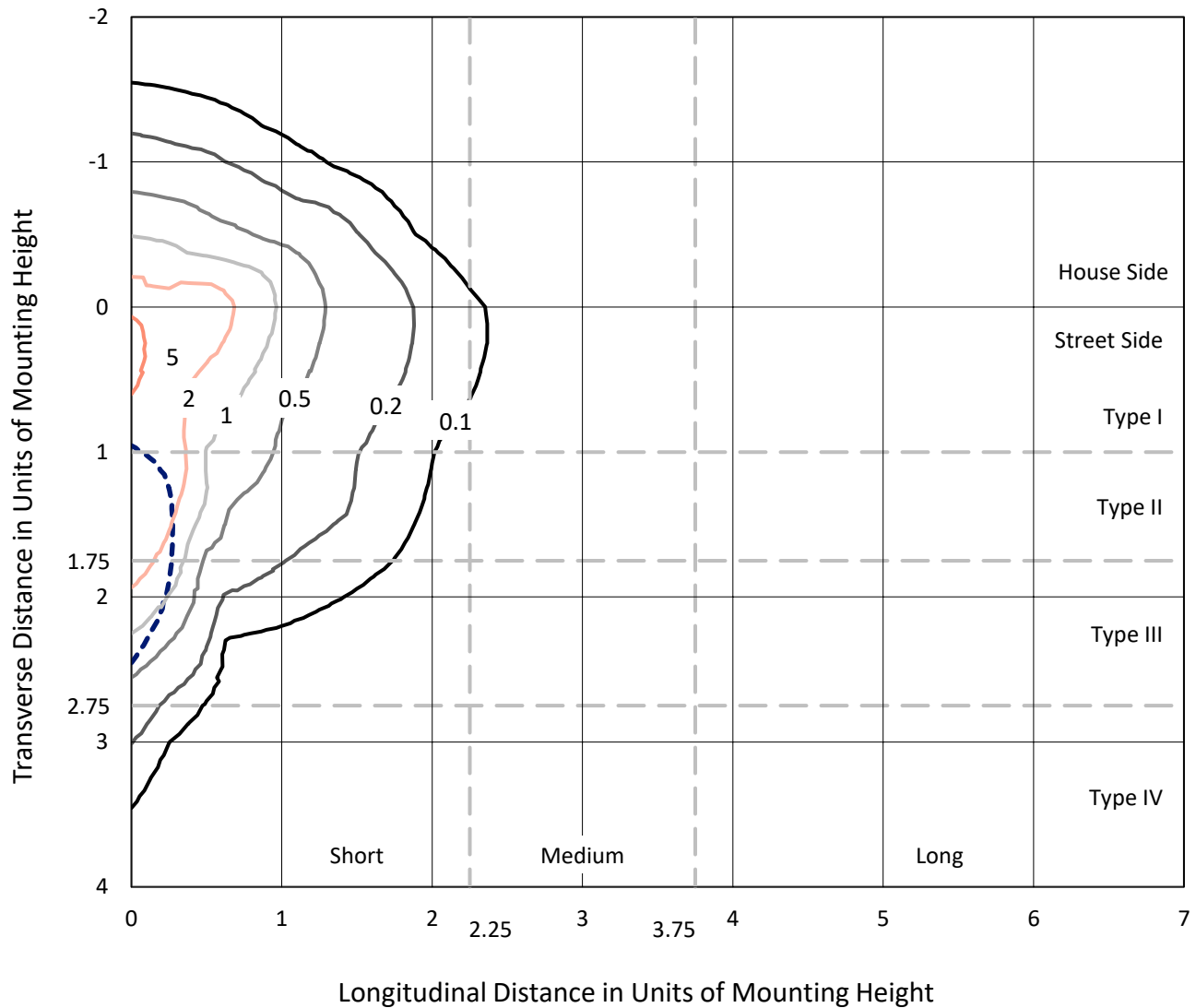


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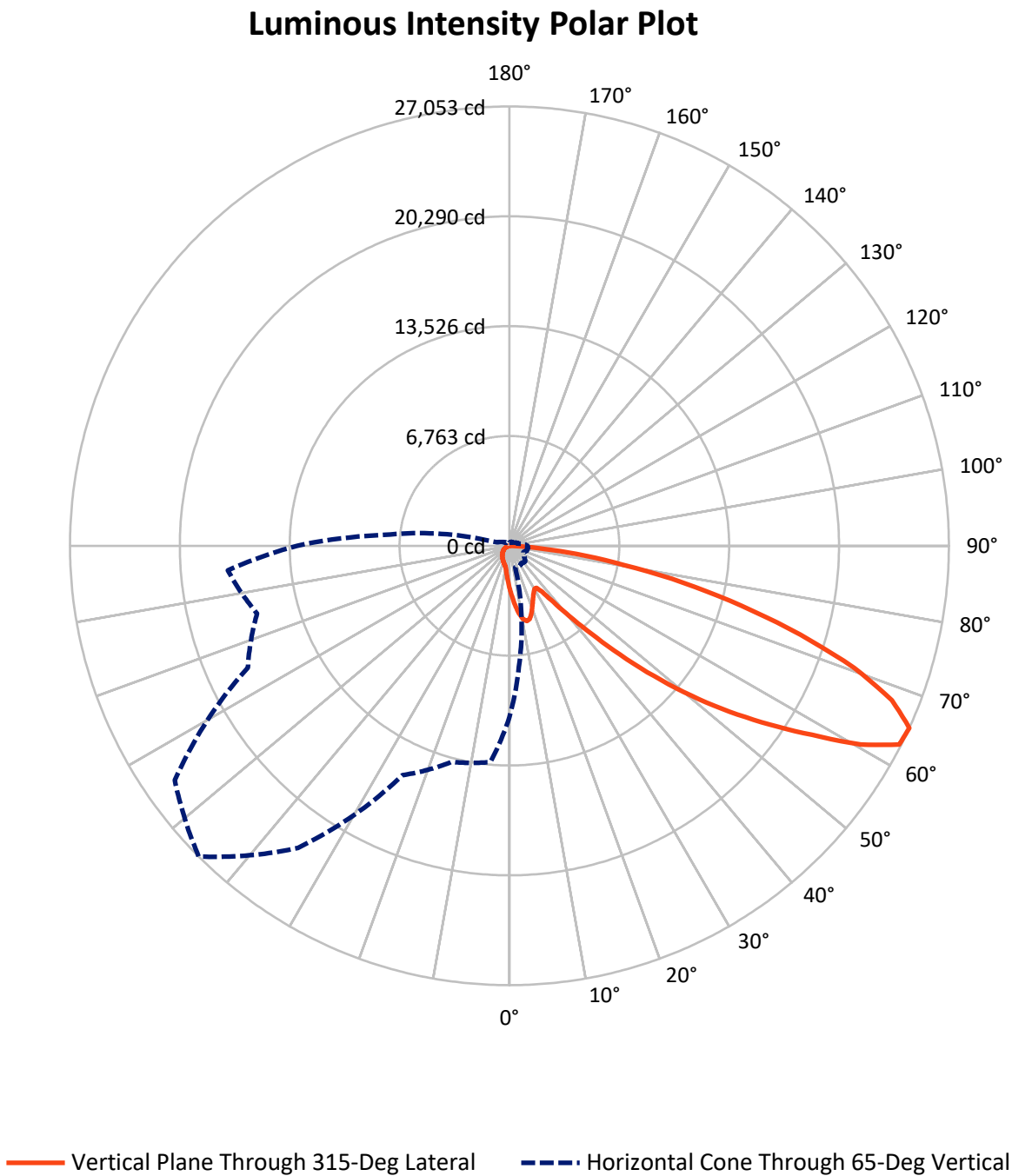
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2695.7	0.0	2695.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	16553.3	0.0	16553.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	19249.0	0.0	19249.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	1.4
10°-20°	786.6	4.1
20°-30°	1158.9	6.0
30°-40°	1488.9	7.7
40°-50°	2407.9	12.5
50°-60°	4222.5	21.9
60°-70°	5283.5	27.4
70°-80°	3087.4	16.0
80°-90°	550.8	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°	19249.0	100.0
0°-180°	19249.0	100.0

Coefficient of Utilization



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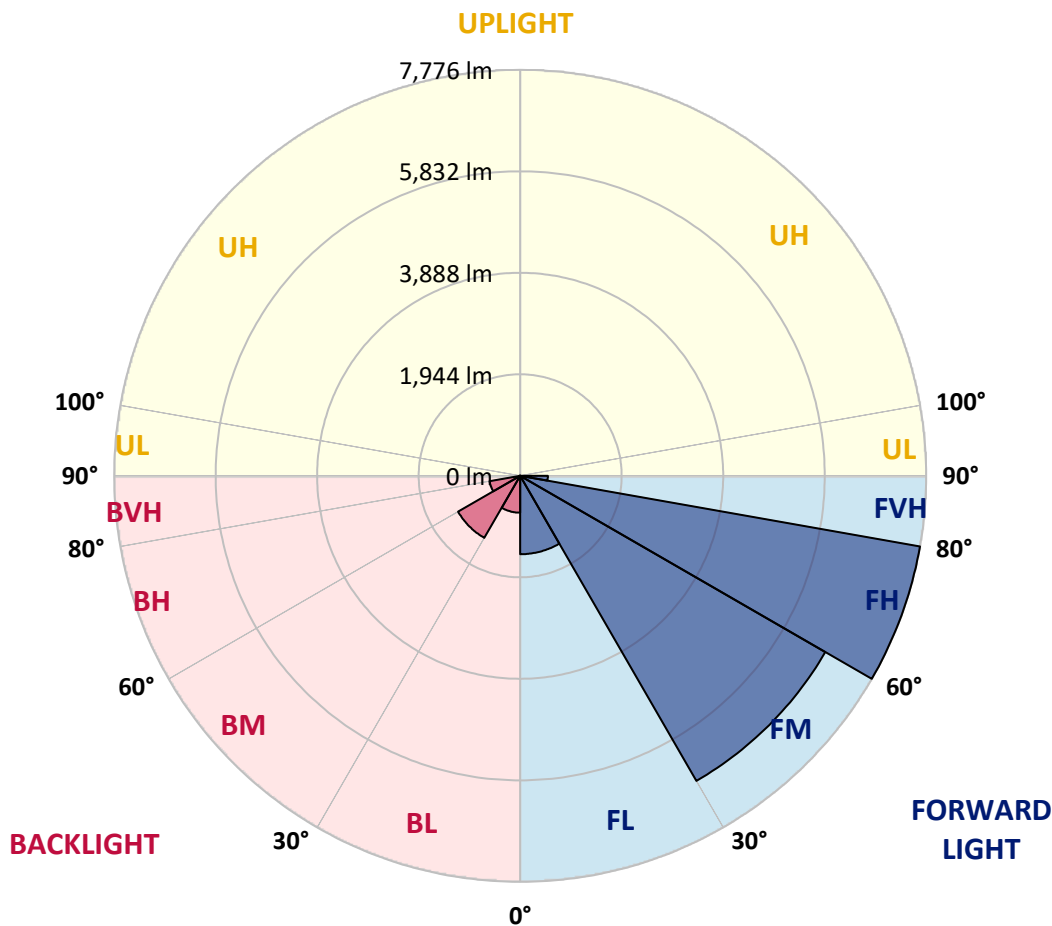
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1501.4	7.8			
FM	(30°-60°)	6746.6	35.0			
FH	(60°-80°)	7775.7	40.4			G4/12000
FVH	(80°-90°)	529.7	2.8			G4/750
BL	(0°-30°)	706.6	3.7	B2/1000		
BM	(30°-60°)	1372.7	7.1	B2/2500		
BH	(60°-80°)	595.2	3.1	B2/1000		G2/1000
BVH	(80°-90°)	21.2	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°	90°
0°	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4
2.5°	3011.5	2959.8	2929.3	2853.7	2778.1	2717.1	2634.9	2580.5	2515.5	2453.2	2397.5
5°	3356.2	3272.7	3171.9	3034.0	2908.0	2779.4	2654.8	2531.4	2401.5	2282.1	2209.2
7.5°	3648.0	3527.3	3349.6	3166.6	3006.2	2851.0	2705.2	2542.0	2384.2	2197.3	2097.8
10°	3870.8	3716.9	3483.5	3243.5	3059.2	2902.7	2760.8	2622.9	2463.8	2238.4	2113.7
12.5°	4006.0	3841.6	3564.4	3283.3	3072.5	2897.4	2787.4	2726.4	2664.0	2439.9	2294.1
15°	4105.5	3927.8	3621.5	3311.2	3042.0	2827.1	2746.3	2807.3	2878.9	2735.7	2567.2
17.5°	4208.9	4021.9	3695.7	3323.1	2959.8	2690.6	2656.1	2813.9	2979.6	2973.0	2805.9
20°	4307.0	4121.4	3760.7	3315.1	2827.1	2524.8	2555.3	2756.9	2949.1	3030.0	2939.9
22.5°	4419.7	4223.5	3823.0	3284.6	2654.8	2369.7	2465.1	2666.7	2835.1	2930.6	2902.7
25°	4557.7	4352.1	3910.5	3239.6	2469.1	2241.0	2373.6	2561.9	2698.5	2764.8	2763.5
27.5°	4706.2	4505.9	4027.2	3215.7	2319.3	2149.5	2270.2	2437.3	2559.3	2605.7	2605.7
30°	4890.5	4685.0	4165.1	3189.2	2221.1	2096.5	2162.8	2292.7	2412.1	2458.5	2458.5
32.5°	5092.1	4883.9	4297.7	3125.5	2161.5	2056.7	2058.0	2140.3	2249.0	2304.7	2312.6
35°	5344.0	5122.6	4439.6	2986.3	2113.7	2010.3	1955.9	1995.7	2085.9	2152.2	2169.4
37.5°	5703.4	5435.5	4613.3	2787.4	2043.5	1938.7	1848.5	1857.8	1926.8	1999.7	2026.2
40°	6199.3	5855.9	4817.6	2580.5	1942.7	1837.9	1730.5	1726.5	1776.9	1848.5	1877.7
42.5°	6870.3	6411.5	5062.9	2382.9	1845.9	1715.9	1605.9	1599.2	1639.0	1701.3	1731.8
45°	7756.1	7122.2	5363.9	2213.2	1770.3	1596.6	1487.8	1485.2	1518.3	1572.7	1604.5
47.5°	8889.9	8110.2	5664.9	2097.8	1730.5	1502.4	1391.0	1396.3	1425.5	1474.6	1497.1
50°	10357.8	9397.8	5756.4	2039.5	1730.5	1452.0	1304.8	1331.4	1355.2	1392.4	1405.6
52.5°	12117.5	10633.6	5454.1	1986.4	1741.1	1458.7	1231.9	1288.9	1306.2	1338.0	1343.3
55°	13748.5	11239.6	4688.9	1913.5	1743.8	1499.8	1169.6	1254.4	1286.3	1298.2	1296.9
57.5°	14695.3	11031.5	3791.2	1790.2	1733.2	1527.6	1129.8	1212.0	1273.0	1281.0	1269.0
60°	14515.0	10300.8	2791.3	1696.0	1654.9	1517.0	1117.9	1147.0	1243.8	1255.8	1239.9
62.5°	13125.3	9075.5	1937.4	1623.1	1482.5	1470.6	1113.9	1044.9	1180.2	1209.4	1186.8
65°	10550.1	7144.8	1368.5	1397.7	1299.5	1369.8	1092.7	938.8	1103.3	1143.1	1108.6
67.5°	7654.0	4834.8	987.9	1132.5	1177.5	1206.7	1044.9	861.9	1015.8	1068.8	1023.7
70°	4911.7	2611.0	693.5	747.9	991.9	1025.0	962.7	793.0	926.9	987.9	938.8
72.5°	3491.5	1542.2	498.6	523.8	797.0	854.0	847.3	716.1	823.5	897.7	839.4
75°	2409.4	850.0	336.8	373.9	578.2	693.5	653.7	615.3	697.5	773.1	716.1
77.5°	1510.4	380.6	201.6	259.9	379.3	545.0	448.2	476.1	543.7	614.0	554.3
80°	840.7	147.2	112.7	172.4	206.9	396.5	248.0	306.3	400.5	450.9	403.1
82.5°	183.0	18.6	50.4	74.3	80.9	230.7	131.3	177.7	252.0	248.0	214.8
85°	0.0	0.0	9.3	10.6	5.3	99.5	47.7	58.3	82.2	76.9	58.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	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°	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4
2.5°	2386.9	2321.9	2274.2	2250.3	2230.4	2249.0	2259.6	2259.6	2304.7	2331.2	2341.8
5°	2162.8	2046.1	1957.3	1897.6	1861.8	1873.7	1887.0	1901.6	1958.6	1997.0	2022.2
7.5°	2007.6	1828.6	1693.4	1609.8	1566.1	1572.7	1582.0	1593.9	1649.6	1688.1	1721.2
10°	1978.5	1721.2	1530.3	1420.2	1367.2	1357.9	1352.6	1348.6	1381.7	1410.9	1437.4
12.5°	2097.8	1726.5	1460.0	1326.1	1261.1	1233.2	1201.4	1176.2	1181.5	1200.1	1233.2
15°	2311.3	1794.2	1437.4	1277.0	1196.1	1149.7	1112.6	1082.1	1075.4	1082.1	1087.4
17.5°	2555.3	1885.7	1434.8	1234.6	1133.8	1086.0	1055.5	1027.7	1018.4	1019.7	1026.4
20°	2717.1	1958.6	1426.8	1186.8	1074.1	1031.7	1005.1	977.3	968.0	970.7	972.0
22.5°	2733.0	1997.0	1414.9	1133.8	1014.4	978.6	952.1	926.9	925.6	925.6	933.5
25°	2646.8	1997.0	1389.7	1086.0	957.4	925.6	901.7	871.2	876.5	879.2	889.8
27.5°	2512.9	1949.3	1342.0	1047.6	908.3	875.2	851.3	823.5	830.1	834.1	846.0
30°	2380.3	1888.3	1284.9	1003.8	861.9	823.5	806.2	782.4	785.0	790.3	803.6
32.5°	2256.9	1823.3	1217.3	968.0	815.5	777.1	763.8	737.3	741.3	746.6	761.2
35°	2134.9	1751.7	1137.8	925.6	773.1	734.6	724.0	693.5	696.2	704.1	720.0
37.5°	2003.7	1676.1	1072.8	883.2	732.0	692.2	681.6	649.8	652.4	661.7	680.3
40°	1865.8	1601.9	1009.1	838.1	688.2	648.4	639.2	604.7	607.3	617.9	637.8
42.5°	1726.5	1521.0	960.1	779.7	643.1	600.7	591.4	559.6	563.6	575.5	595.4
45°	1597.9	1424.2	928.2	714.7	600.7	553.0	543.7	514.5	522.5	535.7	555.6
47.5°	1487.8	1324.7	915.0	660.4	555.6	503.9	495.9	472.1	485.3	499.9	515.8
50°	1393.7	1229.3	897.7	604.7	513.2	461.5	453.5	437.6	454.8	469.4	484.0
52.5°	1326.1	1120.5	860.6	554.3	476.1	425.7	423.0	415.1	431.0	444.2	457.5
55°	1267.7	1007.8	800.9	510.5	442.9	395.2	397.8	393.8	407.1	417.7	429.6
57.5°	1214.7	909.7	725.4	476.1	407.1	368.6	376.6	371.3	377.9	384.6	399.1
60°	1151.0	810.2	635.2	437.6	364.7	342.1	351.4	336.8	335.5	338.1	342.1
62.5°	1056.9	676.3	541.0	389.9	327.5	312.9	316.9	289.1	267.9	267.9	271.8
65°	925.6	543.7	453.5	336.8	285.1	273.2	270.5	230.7	201.6	198.9	210.8
67.5°	773.1	446.9	376.6	283.8	237.4	229.4	232.1	202.9	173.7	171.1	184.3
70°	629.9	370.0	303.7	226.8	183.0	191.0	202.9	173.7	145.9	141.9	153.8
72.5°	511.9	294.4	237.4	173.7	135.3	157.8	172.4	141.9	115.4	112.7	123.3
75°	395.2	216.1	169.7	118.0	98.1	122.0	135.3	103.4	82.2	78.2	87.5
77.5°	263.9	133.9	95.5	74.3	58.3	83.5	90.2	54.4	47.7	46.4	53.0
80°	160.5	62.3	41.1	35.8	19.9	30.5	35.8	22.5	25.2	26.5	31.8
82.5°	80.9	17.2	6.6	1.3	0.0	0.0	10.6	5.3	10.6	13.3	19.9
85°	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.6	11.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
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°	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4
2.5°	2416.1	2471.8	2524.8	2609.7	2697.2	2783.4	2870.9	2955.8	2986.3	3008.8	3059.2
5°	2137.6	2242.4	2364.4	2532.8	2713.1	2898.8	3087.1	3259.4	3337.7	3390.7	3510.1
7.5°	1849.8	1986.4	2161.5	2414.7	2697.2	2992.9	3288.6	3560.5	3686.4	3788.5	3970.2
10°	1564.7	1713.3	1934.7	2223.8	2605.7	3030.0	3438.5	3812.4	3975.5	4104.1	4350.8
12.5°	1314.1	1453.4	1685.4	2005.0	2462.5	3000.9	3524.7	3974.2	4166.5	4311.0	4581.5
15°	1137.8	1235.9	1441.4	1786.2	2292.7	2906.7	3530.0	4051.1	4261.9	4413.1	4647.8
17.5°	1039.6	1072.8	1206.7	1563.4	2104.4	2783.4	3480.9	4077.6	4303.0	4443.6	4606.7
20°	986.6	991.9	1029.0	1274.3	1863.1	2668.0	3434.5	4104.1	4341.5	4459.5	4508.6
22.5°	944.2	944.2	953.4	1042.3	1551.5	2530.1	3419.9	4150.6	4394.5	4467.5	4366.7
25°	905.7	905.7	908.3	932.2	1229.3	2319.3	3410.6	4222.2	4467.5	4487.4	4210.2
27.5°	865.9	867.2	867.2	880.5	990.6	2032.8	3370.8	4315.0	4555.0	4513.9	4060.4
30°	826.1	828.8	828.8	838.1	876.5	1697.4	3292.6	4426.4	4669.0	4548.4	3911.9
32.5°	786.4	789.0	789.0	797.0	824.8	1355.2	3194.5	4528.5	4784.4	4563.0	3774.0
35°	745.2	749.2	746.6	757.2	786.4	1078.1	3069.8	4630.6	4909.1	4609.4	3706.3
37.5°	704.1	706.8	705.5	716.1	749.2	930.9	2925.3	4707.5	5078.8	4712.8	3787.2
40°	663.0	661.7	661.7	673.6	709.4	888.5	2743.6	4829.5	5322.8	4894.5	4139.9
42.5°	620.6	620.6	617.9	631.2	675.0	856.6	2569.9	5048.3	5678.2	5183.5	4765.8
45°	582.1	580.8	575.5	587.4	641.8	800.9	2508.9	5456.7	6203.3	5651.6	5523.0
47.5°	545.0	543.7	530.4	541.0	602.0	750.5	2737.0	6125.0	6931.3	6339.9	6232.5
50°	511.9	513.2	488.0	497.3	562.2	712.1	3231.6	6992.3	7898.0	7266.8	6904.8
52.5°	481.4	481.4	448.2	453.5	513.2	677.6	3702.3	7932.5	9173.6	8559.7	7688.5
55°	450.9	448.2	411.1	413.7	464.1	628.6	3772.6	8850.1	10913.4	10505.0	8759.9
57.5°	416.4	411.1	376.6	376.6	419.0	592.7	3270.1	9555.6	13072.3	13364.0	10304.8
60°	373.9	370.0	347.4	340.8	383.2	624.6	2307.3	9637.8	14464.6	17165.8	13263.2
62.5°	319.6	324.9	312.9	303.7	348.8	648.4	1367.2	8976.1	14127.8	18375.1	16806.4
65°	252.0	273.2	270.5	263.9	383.2	546.3	807.6	7705.7	13094.8	17399.2	16083.7
67.5°	214.8	229.4	225.4	225.4	401.8	415.1	507.9	6020.3	11673.3	16241.5	14366.5
70°	183.0	197.6	183.0	183.0	303.7	252.0	351.4	4203.6	10139.0	14960.6	13239.3
72.5°	151.2	165.8	149.8	139.2	242.7	188.3	257.3	2626.9	8683.0	13626.5	12467.6
75°	115.4	132.6	120.7	107.4	160.5	140.6	194.9	1526.3	7193.8	11658.7	11368.3
77.5°	72.9	95.5	90.2	75.6	118.0	102.1	140.6	908.3	5550.9	9110.0	9778.3
80°	45.1	49.1	50.4	47.7	67.6	69.0	95.5	517.2	3799.1	6349.2	7639.4
82.5°	29.2	29.2	22.5	25.2	33.2	39.8	54.4	194.9	2233.1	3865.5	5317.5
85°	21.2	18.6	11.9	11.9	15.9	19.9	21.2	59.7	905.7	1526.3	2079.3
87.5°	10.6	9.3	4.0	5.3	8.0	6.6	5.3	2.7	228.1	488.0	342.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948768

CATALOG NUMBER: GALN-SB3D-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4	2665.4
2.5°	3085.7	3126.8	3129.5	3129.5	3093.7	3092.4	3019.4	3011.5
5°	3633.4	3659.9	3666.5	3653.3	3581.7	3528.6	3386.7	3356.2
7.5°	4134.6	4187.7	4187.7	4155.9	4039.2	3930.4	3724.9	3648.0
10°	4535.1	4596.1	4582.8	4517.9	4370.7	4220.8	3971.5	3870.8
12.5°	4730.0	4792.4	4757.9	4683.6	4540.4	4382.6	4120.1	4006.0
15°	4726.1	4708.8	4673.0	4663.7	4594.8	4475.4	4230.1	4105.5
17.5°	4557.7	4411.8	4383.9	4476.8	4564.3	4535.1	4325.6	4208.9
20°	4291.1	4036.5	4011.3	4189.0	4438.3	4565.6	4414.4	4307.0
22.5°	4010.0	3735.5	3677.2	3873.4	4248.7	4574.9	4527.2	4419.7
25°	3743.5	3467.6	3409.3	3592.3	4037.8	4559.0	4649.1	4557.7
27.5°	3520.7	3254.1	3199.8	3382.8	3835.0	4513.9	4771.1	4706.2
30°	3348.3	3101.6	3061.9	3238.2	3659.9	4458.2	4926.3	4890.5
32.5°	3247.5	3067.2	3081.8	3226.3	3565.8	4397.2	5074.8	5092.1
35°	3347.0	3354.9	3482.2	3541.9	3653.3	4387.9	5276.4	5344.0
37.5°	3841.6	4117.4	4381.3	4332.2	4081.6	4495.3	5577.4	5703.4
40°	4683.6	5249.9	5678.2	5491.2	4860.0	4824.2	6011.0	6199.3
42.5°	5712.6	6672.7	7378.2	6876.9	5863.8	5399.7	6630.3	6870.3
45°	6798.7	8427.1	9538.3	8496.0	6933.9	6205.9	7567.8	7756.1
47.5°	7943.1	10559.4	11996.8	10291.5	7925.8	7123.6	8846.1	8889.9
50°	9194.9	12897.2	14503.1	12085.7	8883.2	8175.1	10408.2	10357.8
52.5°	10387.0	15301.3	16956.3	13887.8	9724.0	9480.0	12220.9	12117.5
55°	11524.7	17704.2	19424.1	15619.6	10516.9	11203.8	14374.4	13748.5
57.5°	12844.2	19864.3	21967.4	17359.4	11625.5	13442.2	16782.6	14695.3
60°	14794.8	22318.8	24843.6	19743.6	13734.0	15794.6	17645.8	14515.0
62.5°	17285.1	24575.8	26934.8	22080.1	15851.7	16237.5	16374.1	13125.3
65°	17769.1	25147.3	27052.8	22704.7	15578.5	13773.7	13368.0	10550.1
67.5°	16485.5	24114.3	25403.2	21541.8	13780.4	10644.2	10031.6	7654.0
70°	15045.4	22145.1	22528.3	19564.6	12120.1	7829.0	6774.8	4911.7
72.5°	13569.5	19518.2	18725.2	16990.7	10652.2	5700.7	4886.5	3491.5
75°	11816.5	16063.8	14749.7	14117.2	8819.6	4474.1	3535.3	2409.4
77.5°	9462.7	11307.3	10955.9	10942.6	6627.6	3268.7	2359.1	1510.4
80°	6675.4	7338.4	7159.4	8241.4	4446.3	2371.0	1420.2	840.7
82.5°	3231.6	4057.7	4165.1	4907.7	2162.8	1395.0	327.5	183.0
85°	1265.1	1957.3	1650.9	1863.1	607.3	388.5	8.0	0.0
87.5°	141.9	226.8	208.2	164.4	74.3	15.9	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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