

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: STREETWORKS

Report Number: P949480

Luminaire Tested: **GLAN-SB4B-722-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949480  
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: STREETWORKS  
Catalog Number: GLAN-SB4B-722-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

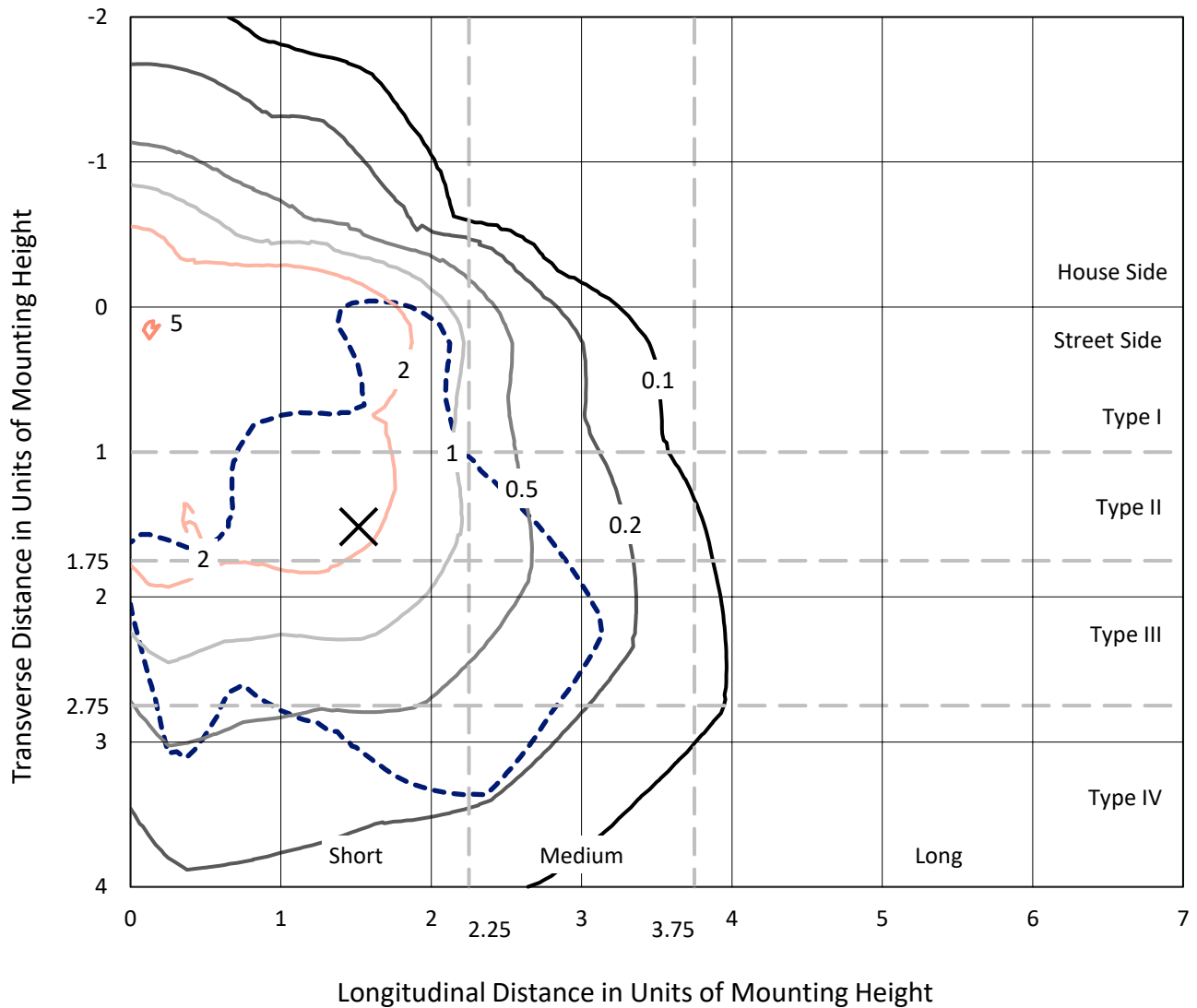
Lumens per Lamp: N/A  
Luminaire Lumens: 14228 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



REPORT NUMBER: P949480  
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### Iso-Footcandle Lines of Horizontal Illumination

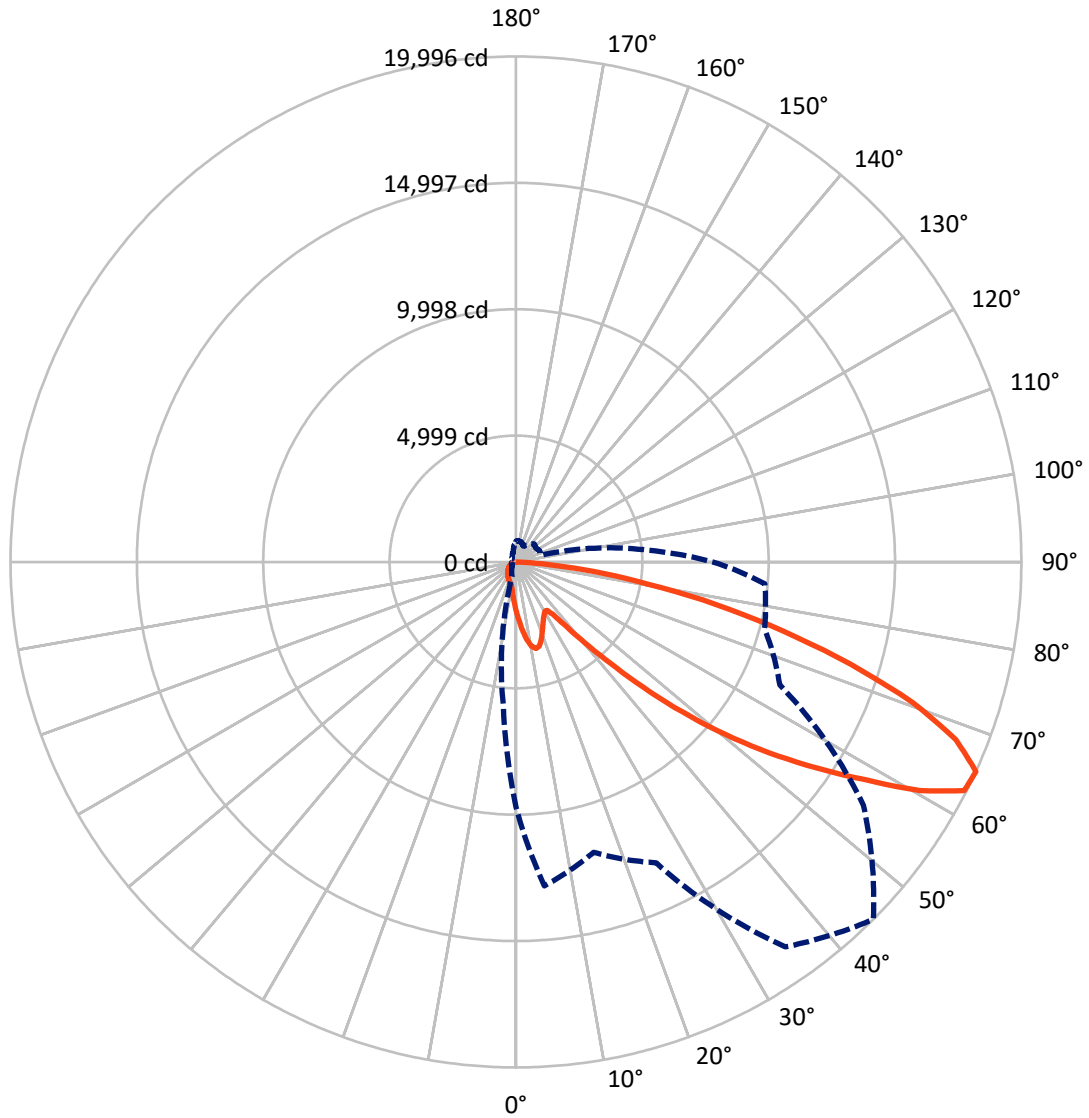
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P949480  
CATALOG NUMBER: GLAN-SB4B-722-U-SLL-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P949480  
 CATALOG NUMBER: GLAN-SB4B-722-U-SLL-HSS

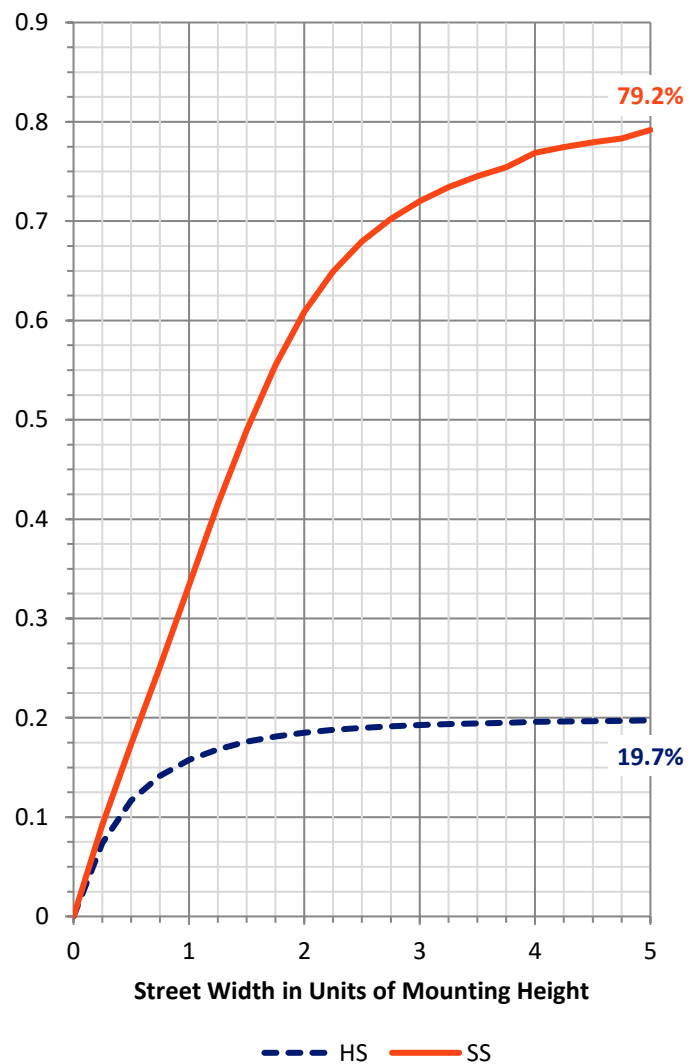
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2828.1	0.0	2828.1
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	11399.9	0.0	11399.9
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	14228.0	0.0	14228.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.0	1.4
10°-20°	581.4	4.1
20°-30°	856.6	6.0
30°-40°	1100.5	7.7
40°-50°	1779.8	12.5
50°-60°	3121.1	21.9
60°-70°	3905.3	27.4
70°-80°	2282.1	16.0
80°-90°	407.2	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°	14228.0	100.0
0°-180°	14228.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P949480

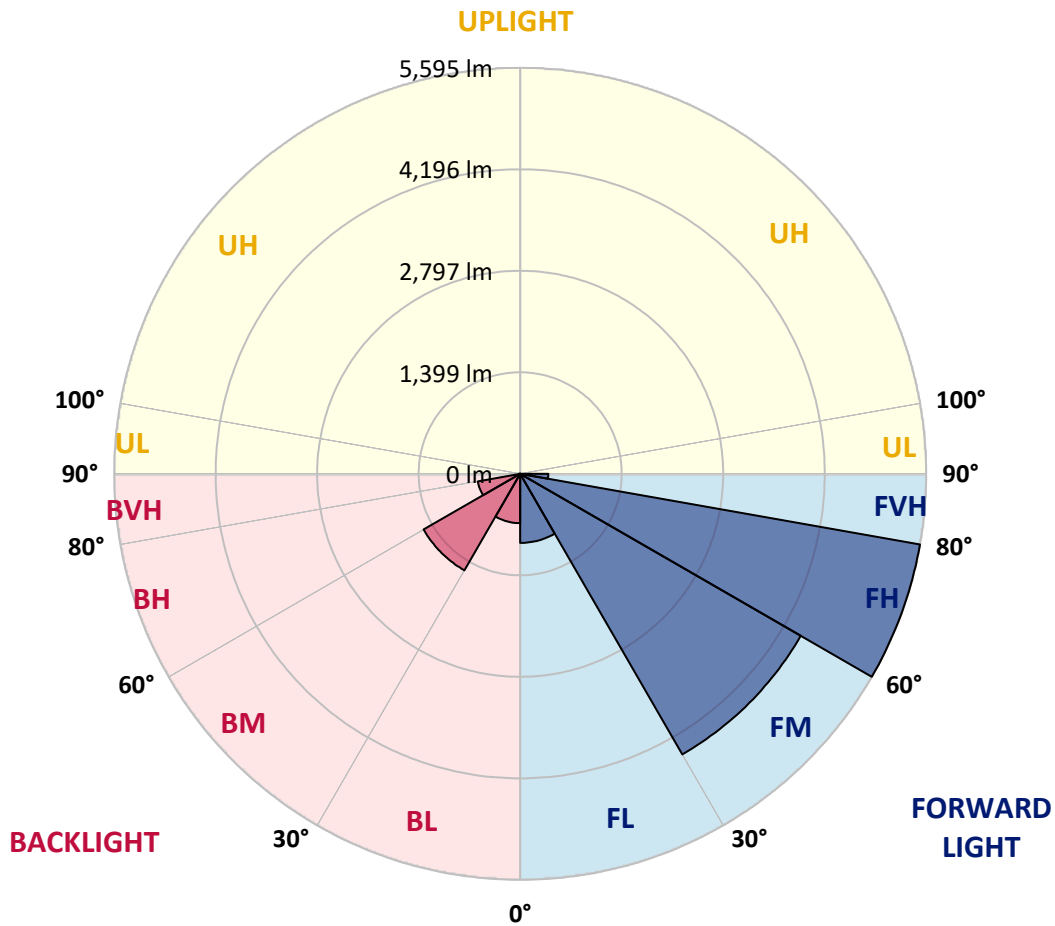
CATALOG NUMBER: GLAN-SB4B-722-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	952.0	6.7			
FM (30°-60°)	4464.9	31.4			
FH (60°-80°)	5594.9	39.3			G3/7500
FVH (80°-90°)	388.1	2.7			G3/500
BL (0°-30°)	680.0	4.8	B2/1000		
BM (30°-60°)	1536.5	10.8	B2/2500		
BH (60°-80°)	592.5	4.2	B2/1000		G2/1000
BVH (80°-90°)	19.1	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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 CATALOG NUMBER: GLAN-SB4B-722-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1
2.5°	2207.3	2224.0	2261.2	2280.8	2311.2	2313.2	2313.2	2286.7	2285.7	2231.8
5°	2467.1	2506.3	2594.5	2685.6	2705.2	2710.1	2700.3	2647.4	2608.2	2503.3
7.5°	2724.8	2800.3	2934.6	3056.1	3095.3	3095.3	3071.8	2985.6	2905.2	2753.3
10°	2938.5	3033.6	3215.9	3352.1	3397.2	3387.4	3339.4	3230.6	3119.9	2935.6
12.5°	3079.7	3186.5	3386.5	3496.2	3542.3	3516.8	3461.9	3356.1	3239.4	3045.4
15°	3150.2	3262.0	3435.5	3493.3	3480.6	3454.1	3447.2	3396.3	3308.0	3126.7
17.5°	3180.6	3284.5	3405.1	3368.8	3261.0	3240.4	3309.0	3373.7	3352.1	3197.3
20°	3209.0	3296.3	3332.5	3171.8	2983.6	2965.0	3096.3	3280.6	3374.7	3263.0
22.5°	3248.3	3302.2	3227.7	2964.0	2761.1	2718.0	2863.0	3140.4	3381.6	3346.3
25°	3302.2	3316.9	3112.0	2767.0	2563.1	2520.0	2655.3	2984.6	3369.8	3436.4
27.5°	3366.9	3336.5	3001.3	2602.3	2405.3	2365.1	2500.4	2834.6	3336.5	3526.6
30°	3451.1	3362.0	2891.5	2474.9	2292.6	2263.2	2393.6	2705.2	3295.3	3641.3
32.5°	3536.4	3372.7	2789.5	2400.4	2267.1	2277.9	2384.7	2635.7	3250.2	3751.1
35°	3628.6	3407.0	2739.5	2473.9	2479.8	2573.9	2618.0	2700.3	3243.4	3900.1
37.5°	3754.0	3483.5	2799.3	2839.5	3043.4	3238.5	3202.2	3016.9	3322.7	4122.6
40°	3934.4	3617.8	3060.1	3461.9	3880.5	4197.0	4058.8	3592.3	3565.8	4443.1
42.5°	4197.0	3831.4	3522.7	4222.5	4932.2	5453.6	5083.1	4334.3	3991.2	4900.8
45°	4585.2	4177.4	4082.4	5025.3	6228.9	7050.3	6279.9	5125.3	4587.2	5593.8
47.5°	5123.3	4686.1	4606.8	5871.2	7805.0	8867.5	7607.0	5858.4	5265.4	6538.7
50°	5837.8	5371.3	5103.7	6796.4	9533.0	10720.0	8933.2	6566.1	6042.7	7693.3
52.5°	6780.8	6326.9	5683.0	7677.6	11310.1	12533.3	10265.2	7187.5	7007.2	9033.2
55°	8066.7	7764.8	6474.9	8518.6	13086.1	14357.4	11545.3	7773.7	8281.4	10624.9
57.5°	9662.4	9878.1	7616.8	9493.8	14682.8	16237.3	12831.3	8593.1	9935.9	12404.9
60°	10691.6	12688.2	9803.6	10935.7	16497.1	18363.3	14593.6	10151.5	11674.7	13043.0
62.5°	10442.6	13582.1	12422.6	12776.4	18165.3	19909.0	16320.7	11716.8	12002.1	12103.0
65°	9679.1	12860.7	11888.4	13134.2	18587.8	19996.3	16782.3	11514.9	10180.9	9881.0
67.5°	8628.4	12005.0	10619.1	12185.4	17824.2	18776.9	15922.7	10185.8	7867.7	7414.9
70°	7494.3	11058.2	9785.9	11120.9	16368.7	16651.9	14461.3	8958.7	5786.9	5007.6
72.5°	6418.1	10072.1	9215.5	10030.0	14427.0	13840.8	12558.8	7873.6	4213.7	3611.9
75°	5317.4	8617.6	8402.9	8734.2	11873.7	10902.3	10434.8	6519.0	3307.1	2613.1
77.5°	4103.0	6733.7	7227.7	6994.4	8357.8	8098.1	8088.3	4898.8	2416.1	1743.7
80°	2808.2	4693.0	5646.7	4934.1	5424.2	5291.9	6091.7	3286.5	1752.5	1049.8
82.5°	1650.6	2857.2	3930.4	2388.7	2999.3	3078.7	3627.6	1598.6	1031.1	242.1
85°	669.4	1128.2	1536.9	935.1	1446.7	1220.3	1377.1	448.9	287.2	5.9
87.5°	168.6	360.7	252.9	104.9	167.6	153.9	121.5	54.9	11.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949480  
 CATALOG NUMBER: GLAN-SB4B-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
1970.1	0°	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1
2225.9	2.5°	2187.7	2165.2	2109.3	2053.4	2008.3	1947.6	1907.4	1859.4	1813.3	1772.1
2480.8	5°	2419.0	2344.5	2242.6	2149.5	2054.4	1962.3	1871.1	1775.1	1686.9	1632.9
2696.4	7.5°	2607.2	2475.9	2340.6	2222.0	2107.3	1999.5	1879.0	1762.3	1624.1	1550.6
2861.1	10°	2747.4	2574.9	2397.5	2261.2	2145.6	2040.7	1938.8	1821.1	1654.5	1562.4
2961.1	12.5°	2839.5	2634.7	2426.9	2271.0	2141.7	2060.3	2015.2	1969.1	1803.5	1695.7
3034.6	15°	2903.2	2676.8	2447.5	2248.5	2089.7	2029.9	2075.0	2127.9	2022.1	1897.6
3111.0	17.5°	2972.8	2731.7	2456.3	2187.7	1988.7	1963.3	2079.9	2202.4	2197.5	2074.0
3183.6	20°	3046.3	2779.7	2450.4	2089.7	1866.2	1888.8	2037.8	2179.9	2239.7	2173.0
3266.9	22.5°	3121.8	2825.8	2427.9	1962.3	1751.5	1822.1	1971.1	2095.6	2166.2	2145.6
3368.8	25°	3216.9	2890.5	2394.5	1825.1	1656.5	1754.5	1893.7	1994.6	2043.6	2042.7
3478.6	27.5°	3330.6	2976.7	2376.9	1714.3	1588.8	1678.0	1801.5	1891.7	1926.0	1926.0
3614.8	30°	3462.9	3078.7	2357.3	1641.8	1549.6	1598.6	1694.7	1782.9	1817.2	1817.2
3763.8	32.5°	3609.9	3176.7	2310.2	1597.7	1520.2	1521.2	1582.0	1662.4	1703.5	1709.4
3950.0	35°	3786.4	3281.6	2207.3	1562.4	1485.9	1445.7	1475.1	1541.8	1590.8	1603.5
4215.7	37.5°	4017.7	3410.0	2060.3	1510.4	1433.0	1366.3	1373.2	1424.2	1478.1	1497.7
4582.3	40°	4328.4	3560.9	1907.4	1435.9	1358.5	1279.1	1276.2	1313.4	1366.3	1387.9
5078.2	42.5°	4739.1	3742.3	1761.3	1364.4	1268.3	1187.0	1182.1	1211.5	1257.5	1280.1
5733.0	45°	5264.4	3964.7	1635.9	1308.5	1180.1	1099.7	1097.8	1122.3	1162.5	1186.0
6571.0	47.5°	5994.7	4187.2	1550.6	1279.1	1110.5	1028.2	1032.1	1053.7	1089.9	1106.6
7656.0	50°	6946.4	4254.9	1507.5	1279.1	1073.3	964.5	984.1	1001.7	1029.2	1039.0
8956.7	52.5°	7859.9	4031.4	1468.3	1287.0	1078.2	910.6	952.7	965.5	989.0	992.9
10162.3	55°	8307.8	3465.8	1414.4	1288.9	1108.6	864.5	927.2	950.8	959.6	958.6
10862.1	57.5°	8154.0	2802.3	1323.2	1281.1	1129.1	835.1	895.9	941.0	946.8	938.0
10728.8	60°	7613.9	2063.2	1253.6	1223.2	1121.3	826.3	847.8	919.4	928.2	916.5
9701.6	62.5°	6708.2	1432.0	1199.7	1095.8	1087.0	823.3	772.4	872.3	893.9	877.2
7798.2	65°	5281.1	1011.5	1033.1	960.6	1012.5	807.7	694.0	815.5	844.9	819.4
5657.5	67.5°	3573.7	730.2	837.1	870.4	891.9	772.4	637.1	750.8	790.0	756.7
3630.5	70°	1929.9	512.6	552.8	733.2	757.7	711.6	586.1	685.1	730.2	694.0
2580.8	72.5°	1139.9	368.5	387.2	589.1	631.2	626.3	529.3	608.7	663.6	620.4
1781.0	75°	628.3	249.0	276.4	427.4	512.6	483.2	454.8	515.6	571.4	529.3
1116.4	77.5°	281.3	149.0	192.1	280.3	402.8	331.3	351.9	401.9	453.8	409.7
621.4	80°	108.8	83.3	127.4	152.9	293.1	183.3	226.4	296.0	333.3	298.0
135.3	82.5°	13.7	37.2	54.9	59.8	170.5	97.0	131.3	186.2	183.3	158.8
0.0	85°	0.0	6.9	7.8	3.9	73.5	35.3	43.1	60.8	56.8	43.1
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



REPORT NUMBER: P949480  
 CATALOG NUMBER: GLAN-SB4B-722-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
1970.1	0°	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1
1764.3	2.5°	1716.3	1681.0	1663.3	1648.6	1662.4	1670.2	1670.2	1703.5	1723.1	1731.0
1598.6	5°	1512.4	1446.7	1402.6	1376.1	1385.0	1394.8	1405.6	1447.7	1476.1	1494.7
1484.0	7.5°	1351.6	1251.7	1189.9	1157.6	1162.5	1169.3	1178.2	1219.3	1247.7	1272.2
1462.4	10°	1272.2	1131.1	1049.8	1010.5	1003.7	999.8	996.8	1021.3	1042.9	1062.5
1550.6	12.5°	1276.2	1079.2	980.2	932.1	911.5	888.0	869.4	873.3	887.0	911.5
1708.4	15°	1326.2	1062.5	943.9	884.1	849.8	822.4	799.8	794.9	799.8	803.7
1888.8	17.5°	1393.8	1060.5	912.5	838.0	802.8	780.2	759.6	752.8	753.7	758.6
2008.3	20°	1447.7	1054.7	877.2	793.9	762.6	743.0	722.4	715.5	717.5	718.5
2020.1	22.5°	1476.1	1045.8	838.0	749.8	723.4	703.8	685.1	684.2	684.2	690.0
1956.4	25°	1476.1	1027.2	802.8	707.7	684.2	666.5	644.0	647.9	649.8	657.7
1857.4	27.5°	1440.8	991.9	774.3	671.4	646.9	629.3	608.7	613.6	616.5	625.3
1759.4	30°	1395.7	949.8	742.0	637.1	608.7	595.9	578.3	580.3	584.2	594.0
1668.2	32.5°	1347.7	899.8	715.5	602.8	574.4	564.6	545.0	547.9	551.8	562.6
1578.1	35°	1294.8	841.0	684.2	571.4	543.0	535.2	512.6	514.6	520.5	532.2
1481.0	37.5°	1238.9	792.9	652.8	541.0	511.6	503.8	480.3	482.2	489.1	502.8
1379.1	40°	1184.0	745.9	619.5	508.7	479.3	472.4	447.0	448.9	456.8	471.5
1276.2	42.5°	1124.2	709.6	576.3	475.4	444.0	437.2	413.6	416.6	425.4	440.1
1181.1	45°	1052.7	686.1	528.3	444.0	408.7	401.9	380.3	386.2	396.0	410.7
1099.7	47.5°	979.2	676.3	488.1	410.7	372.5	366.6	348.9	358.7	369.5	381.3
1030.1	50°	908.6	663.6	447.0	379.3	341.1	335.2	323.5	336.2	347.0	357.8
980.2	52.5°	828.2	636.1	409.7	351.9	314.6	312.7	306.8	318.6	328.4	338.2
937.0	55°	744.9	592.0	377.4	327.4	292.1	294.0	291.1	300.9	308.8	317.6
897.8	57.5°	672.4	536.1	351.9	300.9	272.5	278.4	274.4	279.3	284.2	295.0
850.8	60°	598.9	469.5	323.5	269.5	252.9	259.7	249.0	248.0	249.9	252.9
781.2	62.5°	499.9	399.9	288.2	242.1	231.3	234.3	213.7	198.0	198.0	200.9
684.2	65°	401.9	335.2	249.0	210.7	201.9	200.0	170.5	149.0	147.0	155.8
571.4	67.5°	330.3	278.4	209.8	175.4	169.6	171.5	150.0	128.4	126.4	136.2
465.6	70°	273.5	224.5	167.6	135.3	141.1	150.0	128.4	107.8	104.9	113.7
378.3	72.5°	217.6	175.4	128.4	100.0	116.6	127.4	104.9	85.3	83.3	91.2
292.1	75°	159.8	125.5	87.2	72.5	90.2	100.0	76.5	60.8	57.8	64.7
195.1	77.5°	99.0	70.6	54.9	43.1	61.8	66.7	40.2	35.3	34.3	39.2
118.6	80°	46.1	30.4	26.5	14.7	22.5	26.5	16.7	18.6	19.6	23.5
59.8	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

REPORT NUMBER: P949480  
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**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
1970.1	0°	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1	1970.1
1785.9	2.5°	1827.0	1866.2	1929.0	1993.6	2057.4	2122.0	2184.8	2207.3
1580.0	5°	1657.5	1747.6	1872.1	2005.4	2142.6	2281.8	2409.2	2467.1
1367.3	7.5°	1468.3	1597.7	1784.9	1993.6	2212.2	2430.8	2631.7	2724.8
1156.6	10°	1266.4	1430.1	1643.7	1926.0	2239.7	2541.6	2818.0	2938.5
971.3	12.5°	1074.3	1245.8	1482.0	1820.2	2218.1	2605.3	2937.5	3079.7
841.0	15°	913.5	1065.4	1320.3	1694.7	2148.5	2609.2	2994.4	3150.2
768.4	17.5°	792.9	891.9	1155.6	1555.5	2057.4	2572.9	3014.0	3180.6
729.2	20°	733.2	760.6	941.9	1377.1	1972.1	2538.6	3033.6	3209.0
697.9	22.5°	697.9	704.7	770.4	1146.8	1870.1	2527.8	3067.9	3248.3
669.4	25°	669.4	671.4	689.1	908.6	1714.3	2521.0	3120.8	3302.2
640.0	27.5°	641.0	641.0	650.8	732.2	1502.6	2491.6	3189.4	3366.9
610.6	30°	612.6	612.6	619.5	647.9	1254.6	2433.7	3271.8	3451.1
581.2	32.5°	583.2	583.2	589.1	609.7	1001.7	2361.2	3347.2	3536.4
550.9	35°	553.8	551.8	559.7	581.2	796.9	2269.1	3422.7	3628.6
520.5	37.5°	522.4	521.4	529.3	553.8	688.1	2162.2	3479.6	3754.0
490.1	40°	489.1	489.1	497.9	524.4	656.7	2028.0	3569.7	3934.4
458.7	42.5°	458.7	456.8	466.6	498.9	633.2	1899.6	3731.5	4197.0
430.3	45°	429.3	425.4	434.2	474.4	592.0	1854.5	4033.4	4585.2
402.8	47.5°	401.9	392.1	399.9	445.0	554.8	2023.1	4527.4	5123.3
378.3	50°	379.3	360.7	367.6	415.6	526.3	2388.7	5168.4	5837.8
355.8	52.5°	355.8	331.3	335.2	379.3	500.9	2736.6	5863.3	6780.8
333.3	55°	331.3	303.8	305.8	343.1	464.6	2788.6	6541.6	8066.7
307.8	57.5°	303.8	278.4	278.4	309.7	438.1	2417.1	7063.0	9662.4
276.4	60°	273.5	256.8	251.9	283.3	461.7	1705.5	7123.8	10691.6
236.2	62.5°	240.1	231.3	224.5	257.8	479.3	1010.5	6634.7	10442.6
186.2	65°	201.9	200.0	195.1	283.3	403.8	596.9	5695.7	9679.1
158.8	67.5°	169.6	166.6	166.6	297.0	306.8	375.4	4449.9	8628.4
135.3	70°	146.0	135.3	135.3	224.5	186.2	259.7	3107.1	7494.3
111.7	72.5°	122.5	110.8	102.9	179.4	139.2	190.2	1941.7	6418.1
85.3	75°	98.0	89.2	79.4	118.6	103.9	144.1	1128.2	5317.4
53.9	77.5°	70.6	66.7	55.9	87.2	75.5	103.9	671.4	4103.0
33.3	80°	36.3	37.2	35.3	50.0	51.0	70.6	382.3	2808.2
21.6	82.5°	21.6	16.7	18.6	24.5	29.4	40.2	144.1	1650.6
15.7	85°	13.7	8.8	8.8	11.8	14.7	15.7	44.1	669.4
7.8	87.5°	6.9	2.9	3.9	5.9	4.9	3.9	2.0	168.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)