

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: P452467

Luminaire Tested: **GLAN-SA3B-830-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-830-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11635 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

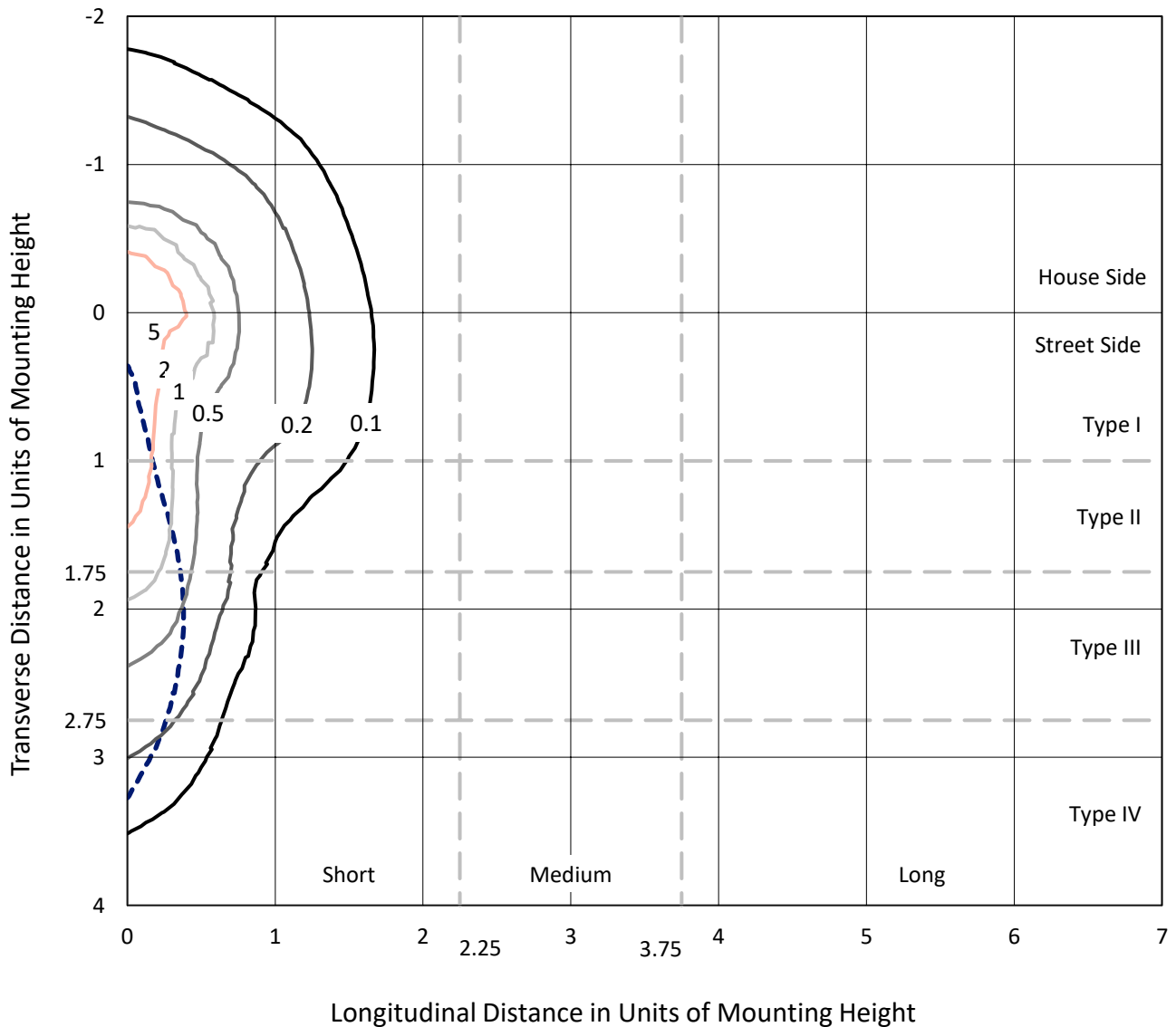
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

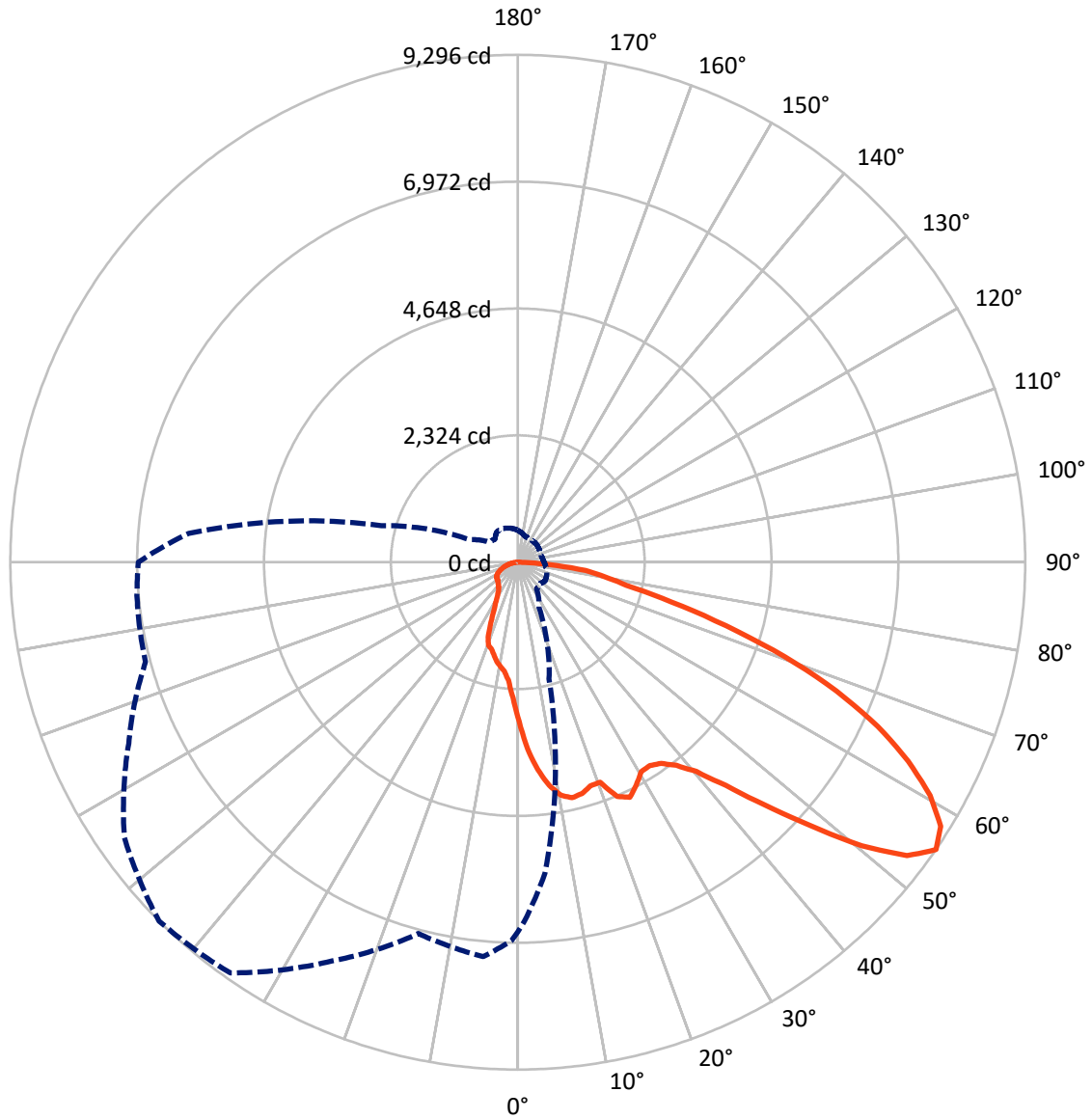
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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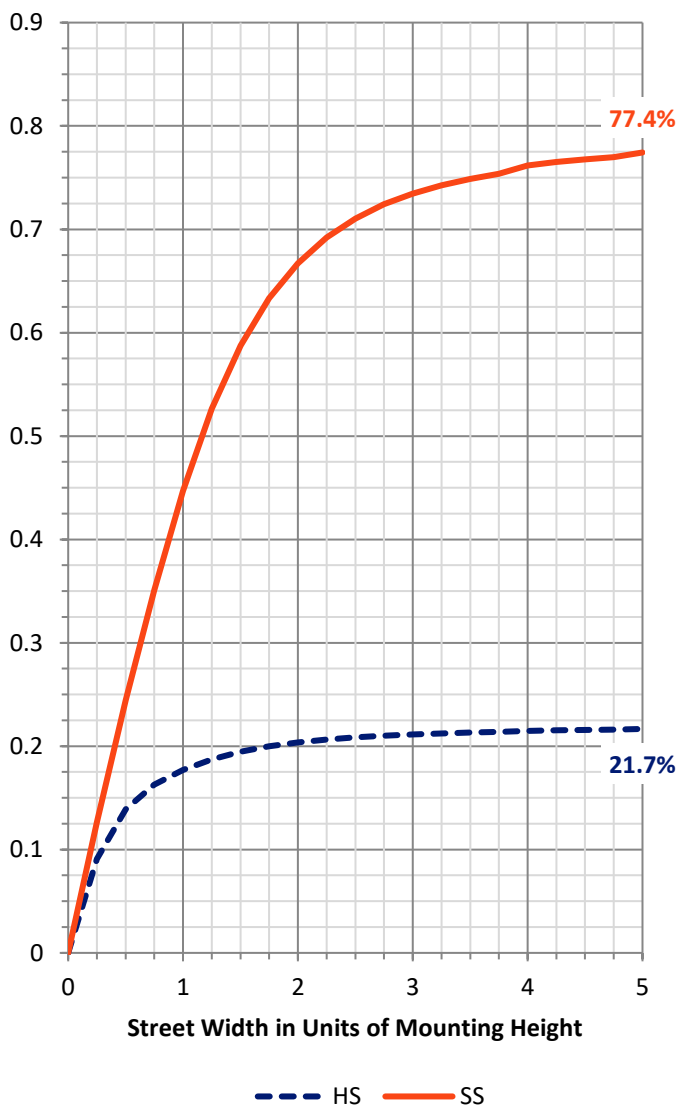
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2545.1	0.0	2545.1
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	9089.9	0.0	9089.9
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	11635.0	0.0	11635.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.5	2.1
10°-20°	656.6	5.6
20°-30°	1134.2	9.7
30°-40°	1318.1	11.3
40°-50°	1839.1	15.8
50°-60°	2495.4	21.4
60°-70°	2374.1	20.4
70°-80°	1282.6	11.0
80°-90°	287.4	2.5
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°	11635.0	100.0
0°-180°	11635.0	100.0

**Coefficient of Utilization**



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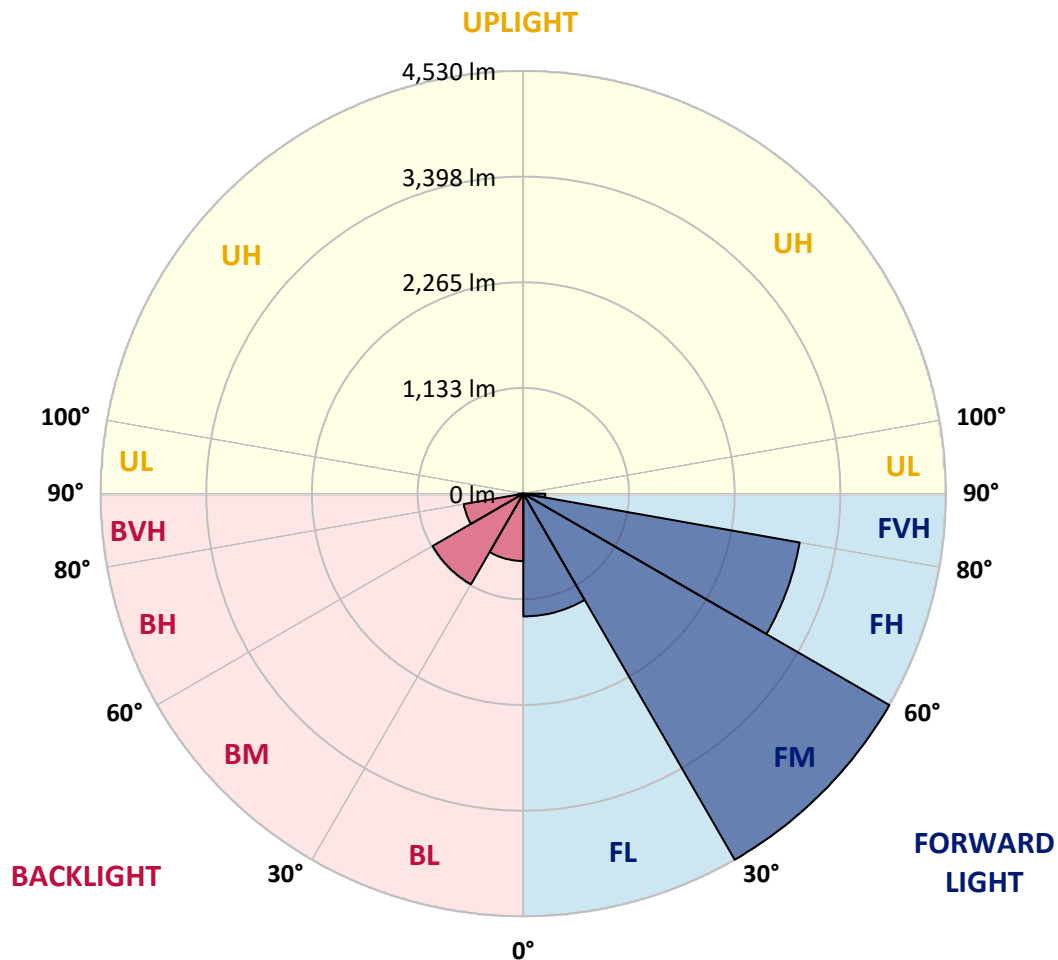
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1315.9	11.3			
FM	(30°-60°)	4530.4	38.9			
FH	(60°-80°)	3008.6	25.9			G2/5000
FVH	(80°-90°)	234.9	2.0			G3/500
BL	(0°-30°)	722.3	6.2	B2/1000		
BM	(30°-60°)	1122.2	9.6	B2/2500		
BH	(60°-80°)	648.0	5.6	B2/1000		G2/1000
BVH	(80°-90°)	52.5	0.5			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°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9
2.5°	3243.9	3231.6	3197.0	3106.5	3015.1	2922.2	2850.8	2761.8	2668.9	2619.0	2555.3
5°	3288.4	3274.6	3193.2	2989.0	2804.0	2609.8	2454.8	2318.9	2263.6	2182.3	2117.0
7.5°	3184.0	3177.8	3055.8	2762.6	2509.3	2255.2	2079.4	1970.4	1871.4	1834.6	1842.2
10°	3088.8	3064.2	2911.5	2528.5	2232.9	2026.5	1900.6	1793.9	1724.0	1705.6	1709.4
12.5°	3009.7	2976.7	2796.3	2371.1	2112.4	1947.4	1787.0	1675.7	1611.9	1629.6	1689.5
15°	2993.6	2949.1	2748.0	2317.4	2046.4	1833.8	1658.0	1529.8	1482.2	1520.6	1616.6
17.5°	3098.0	3042.0	2830.9	2335.0	1983.5	1717.9	1502.2	1355.6	1315.7	1377.1	1502.2
20°	3433.5	3350.6	3089.6	2437.1	1977.3	1660.3	1411.6	1264.2	1281.1	1397.8	1528.3
22.5°	4053.7	3929.3	3542.4	2586.0	2009.6	1645.7	1393.2	1316.4	1409.3	1508.3	1594.3
25°	4176.5	4079.0	3623.8	2619.8	2002.7	1635.7	1445.4	1483.8	1587.4	1636.5	1606.6
27.5°	4245.6	4134.3	3618.4	2452.5	1790.8	1483.8	1381.7	1445.4	1471.5	1423.9	1342.5
30°	4406.8	4290.9	3709.8	2276.7	1474.5	1100.7	964.9	938.8	956.4	965.6	936.5
32.5°	4628.6	4514.2	3881.7	2161.5	1275.0	910.4	776.8	740.0	731.5	721.5	710.0
35°	4915.7	4739.9	4050.6	2087.9	1192.8	842.1	719.2	690.8	679.3	665.5	653.2
37.5°	5207.4	5023.1	4264.0	2010.3	1138.3	794.5	680.9	667.8	647.8	633.3	615.6
40°	5517.5	5311.0	4458.2	1942.8	1085.4	763.8	653.2	651.7	625.6	608.7	588.0
42.5°	5786.1	5573.5	4631.7	1901.3	1044.7	731.5	636.3	640.9	614.1	588.7	561.9
45°	5999.5	5790.7	4792.1	1901.3	1011.7	699.3	633.3	630.2	603.3	571.9	541.2
47.5°	6186.8	5971.1	4948.7	1949.7	991.0	672.4	616.4	621.8	594.1	554.2	524.3
50°	6331.9	6141.5	5159.8	2024.9	970.2	650.9	594.9	624.1	586.4	545.0	510.5
52.5°	6516.9	6346.5	5413.8	2127.8	952.6	627.1	575.7	624.1	585.7	545.8	508.1
55°	6773.3	6593.6	5720.1	2213.0	924.2	604.9	558.8	606.4	583.4	541.9	502.0
57.5°	6952.9	6818.5	5936.6	2269.8	883.5	576.5	543.5	589.5	573.4	527.3	483.6
58°	6961.3	6830.1	5968.0	2282.8	873.5	571.1	539.6	581.8	568.8	521.2	477.4
60°	6864.6	6751.8	5974.2	2264.4	816.7	544.2	519.7	550.4	544.2	485.1	444.4
62.5°	6513.0	6392.5	5726.3	2114.7	741.5	511.2	489.0	508.1	494.3	434.5	396.8
65°	6013.3	5791.5	5216.6	1879.8	687.8	475.9	447.5	449.0	434.5	391.5	358.5
67.5°	5347.8	5099.9	4416.7	1584.3	647.1	436.8	398.4	394.5	376.9	349.3	322.4
70°	4528.8	4359.2	3589.3	1288.8	601.8	393.8	343.1	340.8	330.1	309.3	285.5
72.5°	3670.6	3454.9	2898.4	1031.6	546.5	352.3	291.7	296.3	282.5	267.9	246.4
75°	2708.8	2567.6	2240.6	827.5	472.1	307.0	243.3	244.9	238.7	223.4	206.5
77.5°	1783.9	1741.7	1602.7	543.5	363.1	244.1	198.8	200.3	195.7	181.9	164.3
80°	1200.5	1172.1	1086.1	350.0	242.6	176.5	153.5	155.1	154.3	139.7	115.9
82.5°	740.0	727.7	700.0	236.4	168.1	126.7	101.3	105.9	114.4	98.3	79.1
85°	349.3	350.0	422.9	129.0	99.0	81.4	55.3	59.1	59.1	59.1	44.5
87.5°	45.3	47.6	58.3	54.5	36.1	30.7	20.0	16.9	14.6	19.2	13.8
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9
2.5°	2533.1	2517.7	2484.7	2477.0	2472.4	2485.5	2450.9	2460.1	2444.8	2487.8	2480.9
5°	2120.9	2122.4	2149.3	2166.9	2173.1	2166.9	2143.9	2104.0	2073.3	2061.0	2064.1
7.5°	1827.6	1854.5	1900.6	1952.0	1998.8	2012.6	1999.6	1923.6	1840.7	1788.5	1771.6
10°	1730.2	1766.2	1819.2	1859.9	1901.3	1934.3	1941.2	1882.1	1783.9	1660.3	1611.9
12.5°	1735.5	1784.7	1835.3	1848.4	1844.5	1857.6	1851.4	1841.5	1777.0	1619.6	1539.0
15°	1684.9	1743.2	1778.5	1771.6	1759.3	1747.8	1731.7	1706.4	1683.3	1572.8	1483.8
17.5°	1568.2	1628.1	1657.2	1659.5	1659.5	1656.5	1617.3	1608.1	1605.0	1551.3	1496.8
20°	1589.7	1622.7	1609.6	1588.2	1594.3	1615.0	1592.0	1587.4	1605.0	1628.8	1618.9
22.5°	1602.0	1590.5	1492.2	1397.0	1375.5	1440.0	1453.1	1504.5	1575.9	1661.8	1717.9
25°	1526.0	1433.1	1257.3	1149.9	1089.2	1149.1	1227.4	1322.6	1429.3	1539.8	1605.0
27.5°	1275.7	1205.1	1079.2	982.5	929.6	938.8	1005.5	1092.3	1191.3	1265.8	1313.4
30°	961.0	929.6	864.3	831.3	799.1	791.4	819.8	852.8	896.6	905.8	918.0
32.5°	707.7	703.1	707.0	696.2	690.1	689.3	680.9	688.5	693.1	698.5	687.8
35°	640.2	634.0	623.3	620.2	616.4	617.9	614.1	610.2	613.3	617.9	621.0
37.5°	605.6	596.4	581.1	575.7	575.7	578.0	571.9	570.3	575.7	590.3	598.0
40°	578.8	568.0	550.4	543.5	548.1	554.2	545.8	542.7	555.7	571.1	583.4
42.5°	553.4	545.0	528.1	520.4	524.3	535.8	523.5	521.2	538.1	555.0	569.6
45°	531.9	523.5	508.1	504.3	505.8	516.6	508.1	508.1	524.3	542.7	555.7
47.5°	515.1	504.3	494.3	491.3	492.8	498.9	497.4	497.4	512.8	531.9	545.0
50°	498.2	489.0	475.9	477.4	481.3	489.7	489.0	491.3	506.6	530.4	544.2
52.5°	490.5	476.7	462.1	463.6	475.1	485.1	482.0	484.4	502.0	546.5	566.5
55°	482.0	463.6	446.7	449.0	462.1	476.7	472.8	475.9	496.6	557.3	584.9
57.5°	465.9	444.4	426.0	427.6	446.7	462.1	456.0	459.8	484.4	545.8	574.9
58°	459.0	440.6	422.9	423.7	442.1	459.0	452.1	455.2	480.5	542.7	570.3
60°	429.9	419.1	403.8	404.5	422.2	436.8	432.9	436.0	460.6	520.4	541.2
62.5°	389.9	383.8	380.0	380.0	390.7	404.5	408.4	412.2	434.5	470.5	489.0
65°	347.0	347.0	347.7	347.7	354.6	372.3	374.6	384.6	405.3	422.9	436.8
67.5°	317.8	316.2	317.8	313.9	317.0	327.8	339.3	348.5	370.0	382.3	386.9
70°	280.2	279.4	280.2	274.8	278.6	287.8	295.5	310.9	333.1	342.3	344.7
72.5°	243.3	243.3	244.9	241.0	241.0	251.0	256.4	273.3	294.0	299.4	300.1
75°	204.9	207.3	207.3	201.9	203.4	209.6	216.5	230.3	249.5	253.3	253.3
77.5°	162.7	171.2	171.2	165.8	168.1	168.9	178.1	185.0	199.6	201.1	195.0
80°	118.2	126.7	133.6	129.0	132.8	128.2	133.6	138.2	152.8	145.8	135.9
82.5°	84.4	90.6	95.9	96.7	92.9	84.4	91.3	92.1	99.0	89.8	84.4
85°	46.8	52.2	59.1	56.0	49.9	44.5	46.8	48.4	47.6	45.3	42.2
87.5°	12.3	13.0	14.6	10.7	10.0	8.4	11.5	11.5	13.0	13.8	13.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9
2.5°	2486.2	2520.0	2592.9	2648.2	2715.8	2797.9	2894.6	2992.1	3097.2	3130.3	3176.3
5°	2057.2	2141.6	2176.9	2277.5	2377.2	2526.9	2686.6	2871.6	3074.2	3171.7	3265.3
7.5°	1757.8	1803.1	1839.9	1913.6	2033.4	2215.3	2415.6	2646.7	2933.7	3075.8	3213.2
10°	1596.6	1601.2	1646.5	1737.8	1842.2	2002.7	2192.3	2450.9	2771.0	2943.7	3104.9
12.5°	1489.9	1469.9	1519.1	1614.3	1732.5	1880.6	2054.9	2301.2	2653.6	2830.9	3025.9
15°	1396.3	1364.8	1401.6	1499.1	1615.8	1790.0	1977.3	2238.3	2607.5	2814.0	3030.5
17.5°	1398.6	1311.8	1324.9	1407.0	1522.9	1700.2	1927.4	2236.0	2677.4	2915.3	3171.7
20°	1571.3	1432.3	1373.2	1388.6	1500.6	1694.1	1950.5	2343.5	2906.9	3253.8	3527.9
22.5°	1740.9	1657.2	1562.1	1530.6	1592.0	1794.6	2097.1	2597.5	3405.8	3928.6	4423.6
25°	1681.8	1753.2	1729.4	1684.9	1698.7	1866.8	2196.9	2806.3	3793.5	4382.2	4847.4
27.5°	1345.6	1475.3	1501.4	1500.6	1506.0	1644.2	1975.8	2665.9	3841.8	4468.9	4913.4
30°	945.7	957.2	971.0	997.9	1022.4	1146.0	1545.9	2340.4	3820.3	4508.1	4953.3
32.5°	682.4	697.7	716.9	753.8	812.1	969.5	1352.5	2236.8	3933.9	4670.0	5070.0
35°	624.1	641.7	660.1	702.3	757.6	903.5	1275.7	2193.8	4120.4	4932.6	5279.5
37.5°	605.6	625.6	641.7	672.4	716.9	855.9	1205.9	2164.6	4311.6	5210.4	5560.5
40°	592.6	615.6	628.7	653.2	683.9	812.1	1143.7	2141.6	4496.6	5464.5	5786.1
42.5°	581.1	604.9	621.8	639.4	664.7	773.0	1088.4	2118.6	4657.0	5710.9	6011.0
45°	567.3	597.2	618.7	632.5	654.8	740.0	1046.2	2100.1	4839.7	5929.7	6238.2
47.5°	555.7	588.7	615.6	631.7	640.2	716.9	1012.5	2125.5	5059.2	6158.4	6449.3
50°	556.5	588.0	621.8	647.1	624.8	697.7	991.7	2226.0	5344.8	6430.1	6615.9
52.5°	581.1	619.4	646.3	652.5	603.3	674.7	981.0	2401.8	5682.5	6670.4	6784.0
55°	608.7	648.6	677.8	673.9	591.8	645.5	978.7	2589.1	6052.5	6950.6	7002.8
57.5°	598.7	657.1	701.6	681.6	592.6	617.1	968.7	2740.3	6361.8	7160.1	7219.2
58°	595.7	654.0	704.7	680.1	590.3	608.7	966.4	2753.4	6404.8	7174.7	7249.9
60°	565.7	627.1	702.3	668.6	577.2	585.7	941.1	2795.6	6393.3	7099.5	7268.4
62.5°	511.2	561.9	649.4	612.5	537.3	555.0	884.3	2743.4	6081.7	6737.2	6998.9
65°	449.8	487.4	545.8	538.9	480.5	523.5	806.7	2536.9	5457.6	6149.2	6424.8
67.5°	403.8	434.5	471.3	461.3	432.2	481.3	723.1	2187.6	4757.6	5443.0	5790.0
70°	356.9	380.7	399.1	392.2	383.0	439.8	648.6	1775.4	4086.7	4772.1	5108.3
72.5°	309.3	331.6	347.0	337.0	331.6	396.1	588.0	1377.8	3227.7	3937.0	4369.1
75°	258.7	280.9	291.7	280.2	277.1	349.3	498.2	1029.3	2421.8	3035.1	3408.1
77.5°	200.3	224.1	238.0	234.1	235.7	287.1	402.2	704.7	1731.7	2068.7	2461.7
80°	140.5	166.6	175.8	171.9	182.7	218.8	284.0	447.5	1194.4	1342.5	1619.6
82.5°	86.7	111.3	112.8	116.7	124.4	162.0	214.2	272.5	749.9	775.3	976.4
85°	43.8	53.0	56.8	62.9	69.9	99.0	122.0	168.9	482.8	365.4	545.8
87.5°	14.6	15.4	18.4	23.0	28.4	40.7	52.2	69.1	119.7	66.0	168.9
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: P452467

CATALOG NUMBER: GLAN-SA3B-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9	2919.9
2.5°	3269.2	3334.4	3382.0	3425.8	3383.6	3379.7	3338.3	3271.5	3243.9	3243.9
5°	3461.9	3614.6	3738.2	3817.2	3783.5	3702.1	3567.8	3396.6	3304.5	3288.4
7.5°	3514.8	3816.5	4046.0	4127.4	4070.6	3890.9	3633.8	3345.2	3213.2	3184.0
10°	3482.6	3874.8	4211.8	4340.7	4261.7	3990.0	3639.2	3285.3	3122.6	3088.8
12.5°	3448.8	3882.5	4242.5	4429.0	4377.6	4069.8	3678.3	3246.2	3058.1	3009.7
15°	3473.4	3885.6	4204.9	4397.6	4430.6	4165.7	3742.8	3274.6	3045.0	2993.6
17.5°	3628.4	3943.9	4151.2	4307.0	4422.9	4296.2	3926.2	3410.4	3161.7	3098.0
20°	3952.3	4083.6	4181.9	4302.4	4488.9	4562.6	4301.6	3783.5	3489.5	3433.5
22.5°	4890.3	4866.6	4665.4	4663.1	4933.3	5228.9	5211.2	4541.9	4099.7	4053.7
25°	5241.9	5131.4	4840.5	4769.8	4888.8	5344.8	5278.7	4696.9	4288.6	4176.5
27.5°	5104.5	4830.5	4639.3	4623.2	4584.1	5014.7	5173.6	4759.9	4354.6	4245.6
30°	5096.1	4693.1	4419.8	4452.0	4489.7	4901.1	5231.9	4957.1	4523.4	4406.8
32.5°	5116.8	4712.3	4435.9	4442.1	4554.1	4918.0	5296.4	5172.1	4745.3	4628.6
35°	5200.5	4821.3	4538.8	4524.2	4699.2	5028.5	5406.2	5509.8	5048.5	4915.7
37.5°	5335.6	5038.5	4726.8	4723.0	4977.1	5228.1	5542.8	5850.6	5350.1	5207.4
40°	5534.4	5292.6	5061.5	5040.8	5354.7	5552.8	5720.1	6213.7	5700.9	5517.5
42.5°	5774.6	5597.3	5502.9	5585.0	5886.7	5917.4	5996.5	6549.1	5999.5	5786.1
45°	5997.2	5988.8	6120.0	6338.0	6513.8	6329.6	6285.1	6774.0	6231.3	5999.5
47.5°	6262.0	6490.8	6886.9	7206.2	7390.4	6809.3	6531.5	6920.6	6400.2	6186.8
50°	6530.7	7091.8	7724.3	8169.5	8208.7	7330.5	6701.1	7058.8	6553.7	6331.9
52.5°	6813.2	7571.6	8413.6	8931.0	8855.0	7784.2	6865.4	7152.4	6711.8	6516.9
55°	7058.8	7865.5	8798.9	9295.6	9184.3	8060.5	7042.7	7253.8	6937.5	6773.3
57.5°	7196.2	7890.1	8703.0	9136.7	9016.2	8006.8	7124.0	7329.0	7081.8	6952.9
58°	7216.2	7857.1	8617.8	9044.6	8921.8	7961.5	7123.3	7325.9	7091.0	6961.3
60°	7198.5	7642.9	8300.8	8680.7	8551.8	7677.5	7094.1	7268.4	6974.4	6864.6
62.5°	7035.0	7271.4	7753.5	8029.8	7993.0	7233.8	6974.4	7051.1	6619.0	6513.0
65°	6820.1	6764.8	7052.7	7248.4	7276.0	6901.4	6855.4	6581.4	6163.0	6013.3
67.5°	6559.1	6190.7	6189.9	6301.2	6347.2	6390.2	6607.5	6070.9	5506.0	5347.8
70°	6116.2	5305.6	5061.5	5192.8	5154.4	5517.5	6164.6	5354.0	4713.8	4528.8
72.5°	5304.1	4210.3	3819.6	3988.4	3891.7	4326.9	5393.9	4406.0	3897.8	3670.6
75°	4299.3	3149.4	2746.5	2901.5	2841.6	3282.2	4488.1	3200.1	2795.6	2708.8
77.5°	3338.3	2282.1	2047.9	2026.5	2071.0	2442.5	3292.2	2160.8	1843.0	1783.9
80°	2144.7	1633.4	1647.3	1619.6	1642.7	1539.8	1998.8	1378.6	1248.1	1200.5
82.5°	1411.6	1138.3	1357.1	1252.7	1189.8	1035.5	1311.1	902.7	766.1	740.0
85°	961.8	838.2	763.0	583.4	687.0	797.5	983.3	485.9	385.3	349.3
87.5°	434.5	291.7	214.2	132.0	208.8	241.0	477.4	56.8	43.8	45.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)