

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: P652670

Luminaire Tested: **GLAN-SA1C-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-840-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4455.6 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

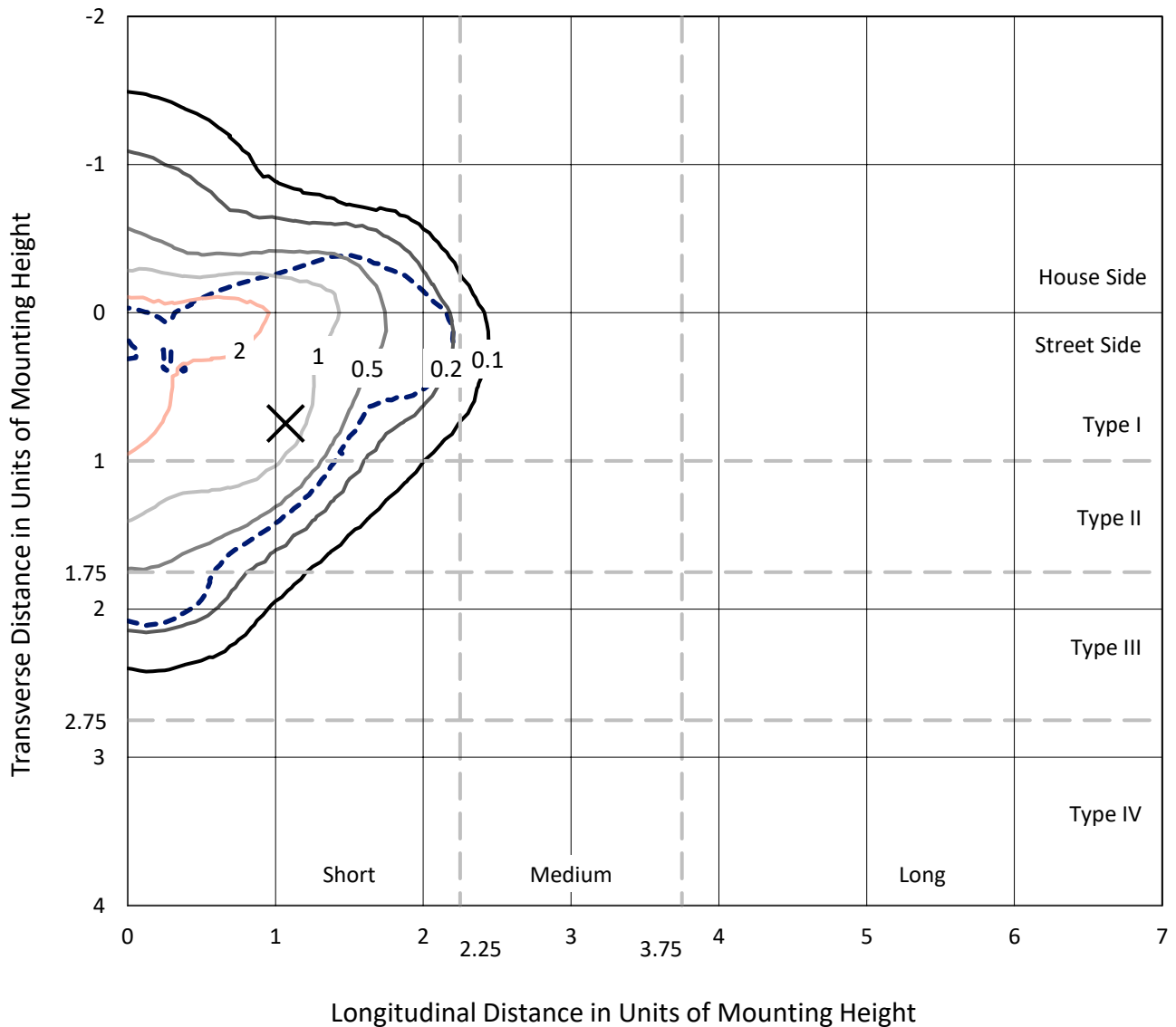
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

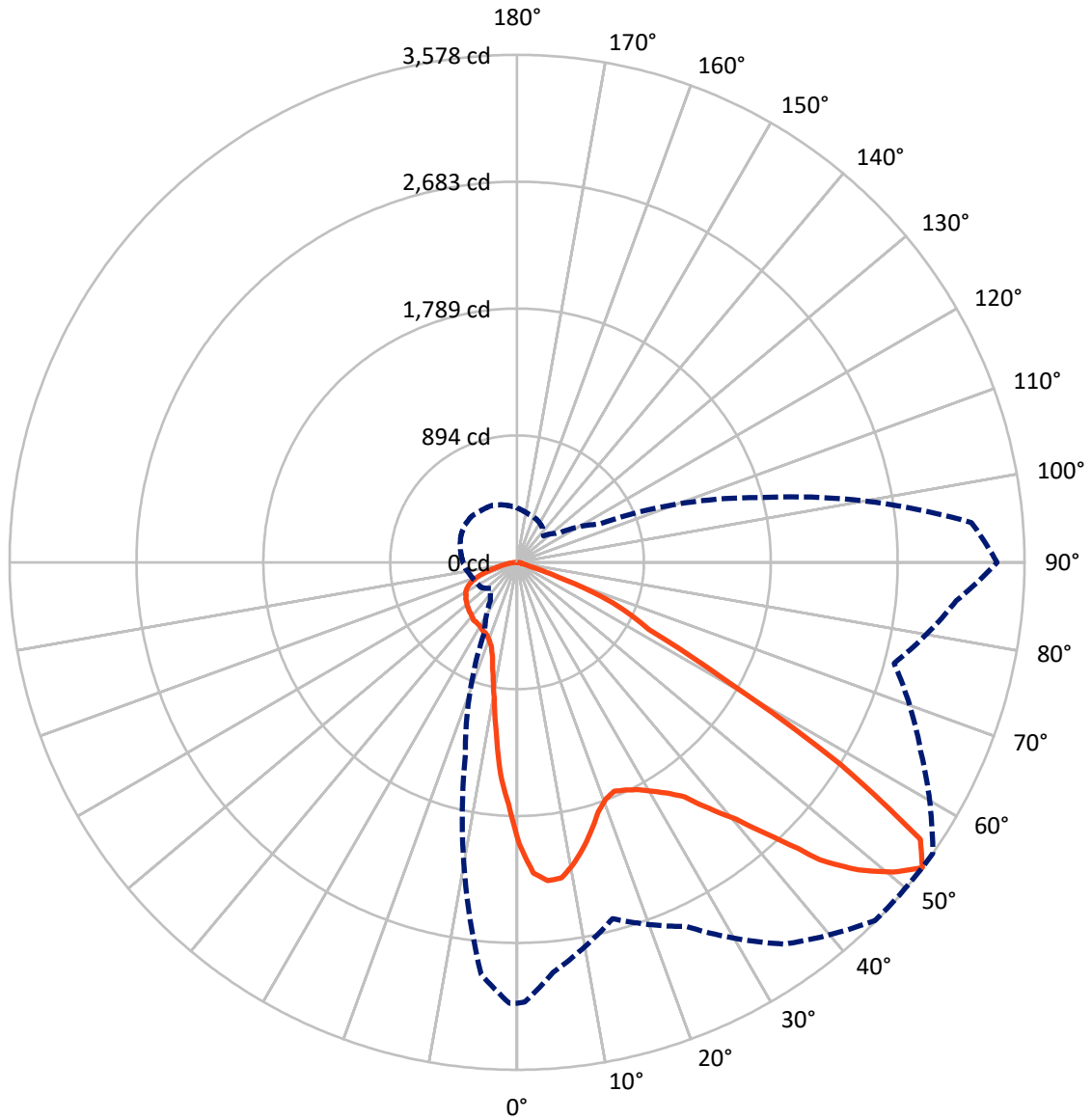
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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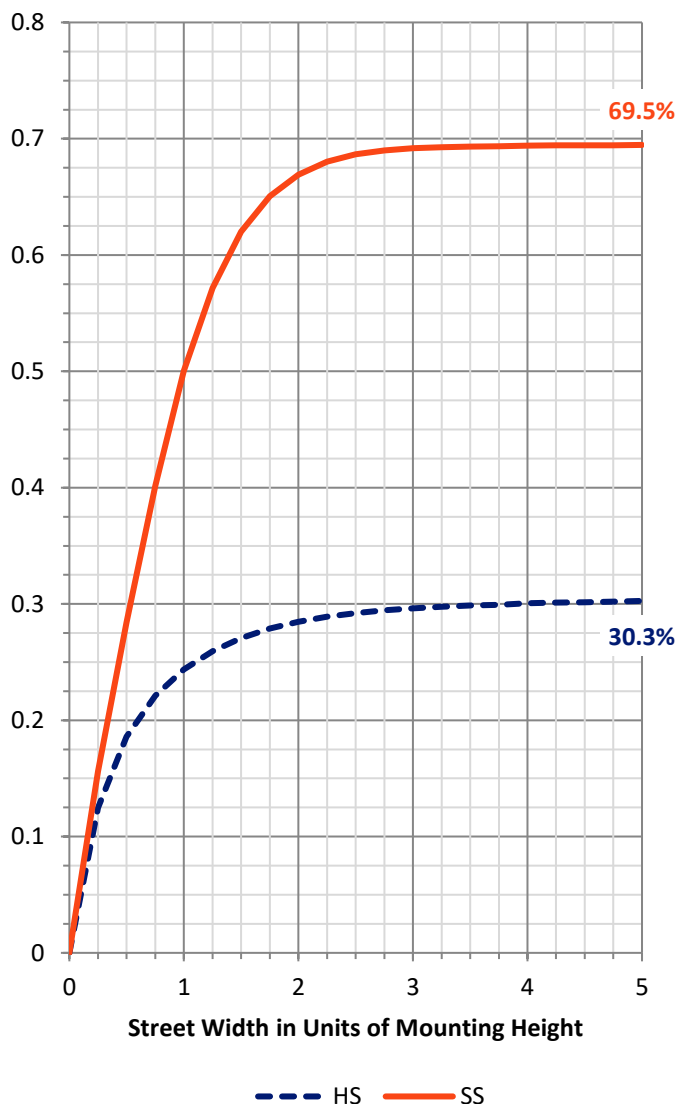
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1359.2	0.0	1359.2
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	3096.4	0.0	3096.4
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	4455.6	0.0	4455.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.8	3.4
10°-20°	327.4	7.3
20°-30°	496.4	11.1
30°-40°	717.3	16.1
40°-50°	958.5	21.5
50°-60°	1069.9	24.0
60°-70°	586.9	13.2
70°-80°	126.9	2.8
80°-90°	20.5	0.5
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°	4455.6	100.0
0°-180°	4455.6	100.0

**Coefficient of Utilization**



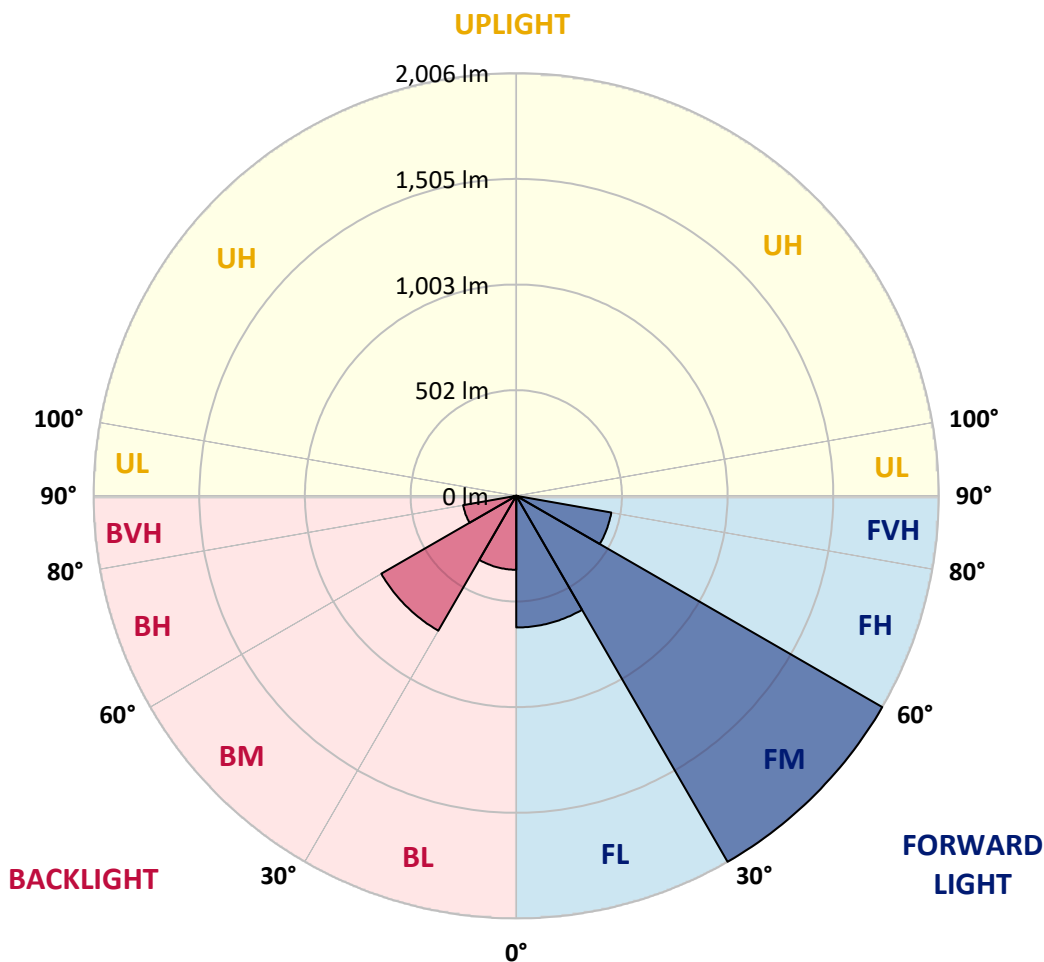
REPORT NUMBER: P652670  
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.8	14.0			
FM (30°-60°)	2006.1	45.0			
FH (60°-80°)	457.9	10.3			G0/660
FVH (80°-90°)	7.6	0.2			G0/10
BL (0°-30°)	350.9	7.9	B1/500		
BM (30°-60°)	739.5	16.6	B1/1000		
BH (60°-80°)	255.8	5.7	B1/500		G1/500
BVH (80°-90°)	12.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
2.5°	2085.8	2074.1	2084.5	2134.0	2162.5	2182.1	2194.4	2192.5	2145.6	2100.1	2100.1
5°	2024.6	2009.7	2031.1	2143.0	2255.6	2265.3	2281.6	2255.0	2186.0	2102.7	1998.6
7.5°	1847.7	1858.7	1894.5	2041.5	2187.9	2261.4	2281.0	2247.2	2135.2	1979.7	1826.8
10°	1694.8	1720.8	1803.4	1962.1	2096.9	2192.5	2213.9	2166.5	2077.9	1887.4	1750.7
12.5°	1642.1	1625.8	1717.6	1876.3	2005.1	2056.5	2066.3	2069.5	2009.7	1840.5	1673.9
15°	1635.6	1646.0	1717.6	1837.9	1917.3	1919.9	1936.2	1961.5	1969.4	1872.4	1709.8
17.5°	1729.3	1716.9	1790.4	1886.0	1848.3	1810.6	1814.5	1851.0	1915.3	1899.7	1822.3
20°	1867.9	1895.8	1953.7	1944.0	1842.5	1746.8	1747.5	1782.0	1908.8	2012.9	1979.1
22.5°	2098.1	2125.5	2168.4	2050.7	1842.5	1728.0	1705.9	1752.7	1950.4	2147.6	2156.1
25°	2308.3	2358.4	2370.1	2231.5	1934.9	1745.5	1731.2	1777.4	1992.1	2279.0	2359.0
27.5°	2499.5	2517.8	2569.2	2348.0	1986.3	1757.3	1755.9	1815.1	2044.8	2344.7	2540.6
30°	2650.5	2648.6	2677.8	2421.5	2068.2	1823.0	1759.9	1871.7	2113.8	2453.4	2708.4
32.5°	2753.3	2775.4	2837.2	2523.7	2102.7	1885.4	1836.0	1938.1	2197.7	2504.8	2826.8
35°	2934.2	2972.5	2894.5	2580.3	2212.0	1947.3	1889.3	2028.6	2239.3	2560.8	2971.9
37.5°	3104.6	3075.4	2996.0	2610.8	2282.9	2061.7	2007.7	2203.5	2368.8	2682.4	3068.2
40°	3213.9	3213.3	3072.1	2635.5	2333.0	2236.7	2233.4	2381.1	2527.5	2759.2	3176.2
42.5°	3261.4	3307.0	3103.3	2632.9	2438.4	2448.8	2514.5	2646.6	2640.1	2774.8	3173.6
44°	3326.5	3353.8	3157.3	2638.8	2508.7	2592.0	2746.8	2830.7	2738.3	2766.3	3170.3
45°	3323.9	3325.8	3080.5	2646.6	2568.5	2711.6	2850.2	2992.0	2824.8	2748.1	3213.3
47.5°	3247.8	3225.7	3015.5	2588.7	2755.3	3027.9	3156.0	3241.9	2931.6	2709.0	3159.9
50°	3097.5	3072.1	2857.4	2564.0	2794.3	3224.3	3401.3	3432.5	3028.5	2670.7	3107.2
52.5°	3107.8	3100.7	2902.3	2601.0	2833.3	3286.1	3569.8	3577.6	3138.4	2751.3	3107.8
55°	3293.9	3269.2	3031.1	2647.2	2804.7	3213.9	3462.4	3448.8	3101.4	2702.6	3165.1
57.5°	3014.1	3030.5	2852.8	2464.5	2454.7	2612.7	2722.1	2688.3	2588.0	2439.1	2944.6
60°	2431.9	2478.1	2495.0	2061.0	1852.2	1770.9	1738.3	1678.6	1695.5	2003.9	2586.7
62.5°	2085.8	2083.2	2189.2	1868.5	1213.3	1043.5	1028.0	1041.6	1236.8	1972.6	2533.4
65°	1653.8	1698.1	1730.5	1583.5	960.3	774.8	774.2	860.8	1070.3	1648.6	2045.5
67.5°	1050.1	1107.9	1148.3	1013.0	642.1	551.7	536.7	640.8	741.7	1081.3	1231.6
70°	592.1	619.4	637.6	584.2	408.6	286.3	269.4	294.1	448.3	700.0	730.0
72.5°	228.3	240.7	265.4	267.4	154.2	92.3	74.8	89.8	188.6	277.1	264.2
75°	35.2	37.8	53.3	63.7	44.2	33.8	35.7	37.1	52.7	71.6	59.9
77.5°	16.9	16.9	16.2	18.8	22.1	24.1	26.0	28.6	31.2	34.5	33.2
80°	11.1	11.1	11.1	13.0	16.2	19.5	22.1	23.4	24.7	27.3	26.0
82.5°	7.1	7.1	7.1	9.8	13.0	16.2	17.6	20.9	23.4	27.3	25.4
85°	3.9	3.9	3.9	6.5	9.8	13.6	13.0	10.4	5.9	0.7	1.3
87.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
2.5°	2045.5	2015.5	2012.9	1951.8	1897.1	1870.5	1848.9	1789.1	1802.1	1767.6	1767.0
5°	1946.6	1885.4	1786.5	1705.2	1623.9	1607.6	1536.7	1474.9	1476.8	1432.6	1440.4
7.5°	1769.0	1726.7	1606.3	1478.8	1370.8	1294.0	1227.0	1186.7	1135.3	1117.7	1108.6
10°	1656.4	1604.4	1469.1	1309.0	1188.0	1147.0	1082.6	1046.8	994.1	968.1	949.8
12.5°	1607.0	1530.9	1361.7	1199.0	1118.4	1076.1	1021.4	956.4	893.9	869.8	836.6
15°	1612.2	1521.1	1330.5	1154.8	1057.9	975.9	927.1	854.9	791.1	748.8	724.8
17.5°	1690.9	1580.3	1344.8	1121.0	981.7	878.9	783.3	705.3	654.5	622.6	614.8
20°	1876.9	1726.7	1368.8	1066.3	905.6	777.4	659.7	578.4	539.3	538.7	539.3
22.5°	2031.8	1882.8	1417.7	1033.8	829.5	647.3	530.3	504.2	496.4	512.7	514.6
25°	2240.6	2058.4	1501.5	1016.9	759.3	551.7	479.5	469.7	469.1	489.9	490.6
27.5°	2454.7	2212.0	1551.6	967.4	687.7	502.2	448.9	447.0	457.3	479.5	477.5
30°	2600.4	2340.8	1642.1	908.2	603.1	458.7	436.6	439.2	453.5	470.4	473.0
32.5°	2770.2	2467.7	1665.5	875.7	551.0	422.3	406.6	412.5	430.7	457.3	471.7
35°	2964.8	2557.5	1701.3	831.4	531.5	394.3	386.4	392.9	415.1	432.6	448.3
37.5°	3108.5	2716.2	1707.8	796.9	510.1	378.6	366.3	387.8	400.7	425.5	433.3
40°	3215.2	2831.4	1724.7	775.5	493.2	358.4	358.4	372.8	390.4	413.1	428.7
42.5°	3283.5	2915.3	1737.1	756.0	460.6	352.6	349.4	363.6	387.1	409.2	416.4
44°	3325.1	2951.1	1724.7	737.8	451.5	345.5	345.5	357.8	376.0	402.1	410.5
45°	3335.6	2996.0	1697.4	737.1	440.4	337.0	335.7	359.1	371.5	403.3	408.6
47.5°	3375.9	3051.2	1700.7	716.3	413.8	316.8	339.6	350.0	361.0	389.0	406.6
50°	3374.6	3085.7	1693.5	685.8	394.3	294.1	331.8	343.5	354.6	383.2	390.4
52.5°	3383.7	3214.6	1759.2	636.9	359.1	264.8	305.8	331.8	345.5	369.5	384.5
55°	3379.1	3288.1	1824.2	600.5	309.7	247.3	283.7	314.2	333.8	359.1	366.3
57.5°	3086.4	2906.2	1688.3	532.2	256.3	226.4	252.5	296.0	320.8	346.7	355.9
60°	2521.7	2240.0	1392.3	391.7	210.8	208.1	234.9	290.1	300.6	323.4	338.9
62.5°	2330.4	1964.7	1104.1	299.3	180.2	190.7	216.6	262.2	278.5	306.5	320.8
65°	1823.6	1305.1	683.7	202.3	158.8	171.1	195.9	229.7	256.3	282.3	299.3
67.5°	1080.0	713.1	338.3	141.8	138.6	151.5	176.9	202.3	232.9	261.6	270.0
70°	588.1	350.7	144.4	108.0	117.7	129.4	154.2	171.7	201.0	223.1	237.5
72.5°	188.6	106.7	72.2	80.1	89.8	103.4	118.4	139.9	160.7	173.7	185.4
75°	45.6	44.9	51.4	55.9	65.1	75.4	87.8	98.9	115.1	127.5	137.9
77.5°	31.9	34.5	39.7	46.2	49.5	53.3	61.1	69.6	76.8	85.9	92.3
80°	24.7	26.7	30.6	33.8	37.1	40.4	44.2	47.5	52.1	57.9	61.1
82.5°	23.4	24.7	28.6	30.6	29.3	28.6	31.2	32.5	33.2	35.2	37.1
85°	1.9	0.0	1.3	4.5	11.1	16.2	17.6	17.6	16.9	18.2	18.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.6	1.9
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
2.5°	1759.2	1737.1	1745.5	1755.9	1741.0	1706.5	1715.6	1711.7	1746.8	1744.2	1779.4
5°	1474.9	1440.4	1444.3	1495.0	1478.8	1496.4	1461.2	1456.7	1463.2	1466.5	1472.3
7.5°	1128.8	1124.2	1163.3	1206.2	1226.3	1205.6	1171.1	1163.3	1156.1	1141.8	1174.3
10°	921.2	922.6	920.0	952.4	975.2	970.7	949.8	947.2	933.6	928.4	946.6
12.5°	822.3	804.8	796.3	785.9	803.5	815.2	806.1	799.5	800.2	806.8	809.3
15°	726.7	715.6	697.4	685.8	694.2	688.4	685.1	698.1	694.8	693.5	709.1
17.5°	619.4	628.5	627.1	614.2	625.2	620.7	620.0	610.9	598.5	589.5	594.7
20°	548.4	565.3	578.4	579.0	584.9	584.2	574.5	546.5	537.4	535.5	536.7
22.5°	523.1	532.2	547.8	569.9	569.9	559.5	547.8	515.3	506.8	497.7	493.8
25°	502.9	520.5	540.7	543.2	553.6	543.9	525.0	508.7	491.2	478.9	478.9
27.5°	492.5	512.0	527.0	531.5	545.8	538.1	518.6	497.7	476.8	476.3	465.2
30°	487.9	506.2	516.0	527.0	533.4	521.1	515.3	493.2	472.3	467.1	448.9
32.5°	474.2	500.3	518.6	516.0	521.1	516.0	507.5	489.2	465.8	454.1	452.1
35°	458.7	484.7	504.2	517.9	521.1	510.1	504.9	480.1	448.3	442.4	422.3
37.5°	450.2	465.8	489.9	512.0	516.5	510.7	493.2	467.8	435.9	429.4	411.8
40°	439.8	459.9	478.9	497.0	510.7	496.4	476.3	451.5	437.2	417.6	412.5
42.5°	432.0	454.7	470.4	490.6	506.2	487.3	463.9	447.0	426.8	413.8	398.8
44°	429.4	450.2	460.6	485.3	498.4	484.1	464.5	447.0	423.5	411.8	398.8
45°	420.2	448.9	459.9	482.1	493.2	481.5	456.7	439.2	422.3	407.9	394.3
47.5°	411.2	430.7	449.6	467.1	474.9	471.0	450.2	428.7	408.6	400.1	387.1
50°	408.6	428.1	445.6	461.9	471.0	463.2	444.4	423.5	400.1	386.4	375.4
52.5°	395.5	419.7	439.2	444.4	456.1	451.5	437.2	414.4	392.3	380.6	371.5
55°	376.7	402.1	428.7	435.2	452.1	445.0	423.5	402.1	383.2	365.7	353.9
57.5°	369.5	394.3	420.2	428.7	439.2	427.4	422.3	399.5	369.5	360.5	342.2
60°	351.3	382.6	404.0	423.5	424.2	420.9	411.8	385.8	361.0	344.1	331.2
62.5°	337.0	366.3	383.2	401.4	412.5	403.3	394.3	370.2	343.5	324.6	309.7
65°	316.2	342.9	357.2	368.3	380.6	379.3	363.6	346.1	318.2	303.2	288.9
67.5°	284.3	307.7	327.2	337.7	345.5	343.5	331.8	319.4	290.8	275.8	265.4
70°	245.9	270.0	282.3	288.2	296.0	299.9	290.8	284.9	259.6	240.1	230.3
72.5°	197.8	213.4	231.6	236.8	240.1	242.6	242.6	237.5	211.4	203.6	186.7
75°	145.7	158.1	171.7	171.7	177.6	178.3	179.6	176.3	156.8	146.4	142.5
77.5°	98.9	108.0	119.1	123.6	127.5	126.9	126.2	117.1	106.7	102.2	98.2
80°	64.4	73.5	78.7	84.6	88.5	87.8	89.1	82.6	78.0	70.2	71.6
82.5°	38.3	45.6	50.7	57.9	57.9	59.9	59.9	57.9	53.3	49.5	49.5
85°	18.2	24.1	27.3	31.9	34.5	35.2	31.2	26.7	22.1	20.2	22.1
87.5°	3.3	4.5	6.5	5.9	7.1	6.5	6.5	6.5	6.5	5.2	5.9
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: P652670

CATALOG NUMBER: GLAN-SA1C-840-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5	1987.5
2.5°	1766.4	1798.9	1821.7	1859.4	1924.5	1976.5	2029.8	2069.5	2074.1	2085.8
5°	1493.8	1511.3	1569.2	1644.7	1698.1	1785.9	1842.5	1945.2	1983.7	2024.6
7.5°	1166.5	1195.1	1272.5	1323.3	1440.4	1550.4	1664.2	1791.1	1841.8	1847.7
10°	983.7	1025.3	1078.0	1159.3	1223.1	1345.4	1487.2	1628.4	1685.0	1694.8
12.5°	864.0	917.4	987.6	1046.1	1107.3	1214.0	1350.0	1524.3	1597.8	1642.1
15°	748.8	804.2	881.5	962.9	1016.9	1144.3	1304.4	1500.9	1596.6	1635.6
17.5°	630.4	681.8	745.5	833.4	942.1	1085.1	1297.2	1579.0	1683.8	1729.3
20°	528.9	557.6	631.8	722.2	858.2	1024.7	1299.8	1694.1	1847.7	1867.9
22.5°	489.2	495.8	525.0	608.3	757.3	962.9	1346.1	1857.4	2031.8	2098.1
25°	458.7	457.3	465.2	521.1	683.7	938.8	1391.6	2007.7	2236.1	2308.3
27.5°	441.8	428.7	429.4	482.1	631.8	899.8	1450.1	2180.1	2467.7	2499.5
30°	433.3	430.7	422.9	444.4	575.2	841.3	1459.9	2349.9	2604.3	2650.5
32.5°	428.1	402.8	392.9	400.7	521.8	777.4	1496.4	2461.9	2773.4	2753.3
35°	402.1	379.3	372.8	380.6	484.1	741.7	1472.3	2559.4	2900.4	2934.2
37.5°	392.3	372.1	359.1	352.6	448.9	711.7	1459.9	2709.7	3023.3	3104.6
40°	383.2	361.7	346.1	339.6	421.6	672.0	1456.0	2825.5	3165.1	3213.9
42.5°	372.8	359.1	341.5	329.8	388.4	632.3	1411.1	2861.3	3208.7	3261.4
44°	369.5	348.7	330.5	326.6	375.4	612.2	1402.0	2893.8	3246.4	3326.5
45°	366.3	346.7	326.0	320.8	370.8	601.1	1389.7	2901.6	3308.9	3323.9
47.5°	357.2	344.8	324.6	310.3	361.0	577.1	1352.6	2857.4	3245.2	3247.8
50°	350.0	335.7	314.9	286.9	348.1	556.9	1369.5	2841.2	3091.6	3097.5
52.5°	342.2	320.8	309.1	260.9	326.6	540.0	1405.3	2914.7	3109.2	3107.8
55°	333.1	309.7	281.1	238.8	290.8	518.6	1491.8	3059.7	3271.8	3293.9
57.5°	318.8	298.6	257.6	219.2	249.9	477.5	1463.8	2781.9	3010.3	3014.1
60°	299.9	281.1	233.5	204.3	205.0	376.7	1309.0	2167.8	2375.3	2431.9
62.5°	281.7	271.3	213.4	182.8	174.3	299.9	1106.7	1801.5	2038.9	2085.8
65°	260.2	234.9	195.9	166.5	149.6	210.2	784.0	1346.1	1590.7	1653.8
67.5°	232.9	205.6	172.4	146.4	128.2	140.5	404.7	765.1	1013.0	1050.1
70°	203.6	178.3	145.1	123.6	103.4	97.0	178.3	365.0	553.6	592.1
72.5°	167.2	143.8	115.8	97.6	77.5	67.0	59.9	97.6	196.5	228.3
75°	121.0	104.7	87.2	69.6	54.7	43.0	35.2	29.3	32.5	35.2
77.5°	89.1	76.1	64.4	49.5	38.3	30.6	24.1	18.2	17.6	16.9
80°	69.6	61.8	51.4	39.7	29.9	22.8	16.9	12.4	11.1	11.1
82.5°	54.7	50.7	42.3	32.5	24.7	18.2	12.4	8.5	7.1	7.1
85°	20.9	20.9	30.6	26.7	18.8	13.0	8.5	4.5	3.9	3.9
87.5°	5.2	5.2	5.2	5.2	4.5	3.9	3.9	1.9	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)