

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: P456643

Luminaire Tested: **GLAN-SA7D-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456643
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-SA7D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1200mA 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: 36908 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

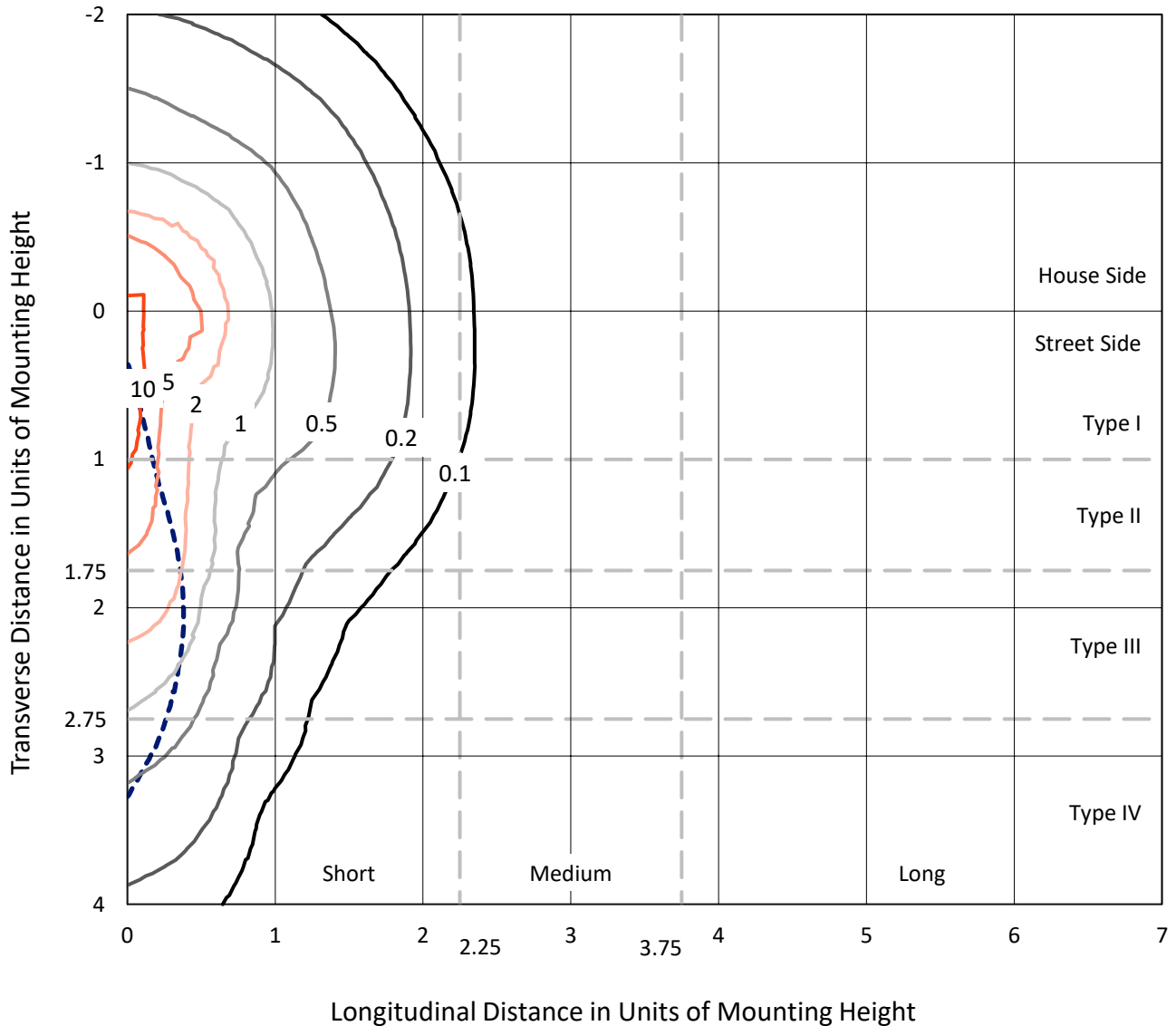
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

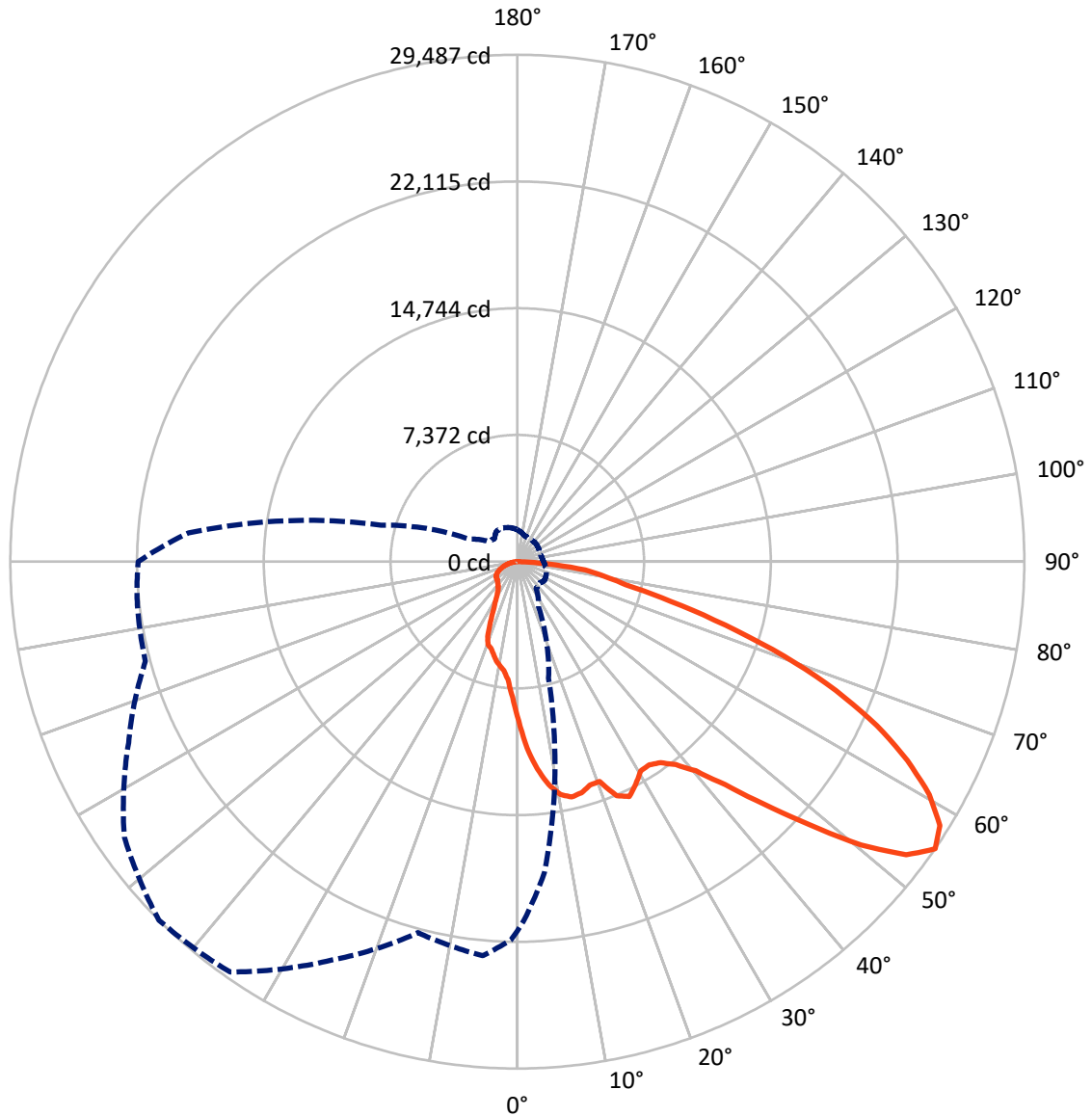
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 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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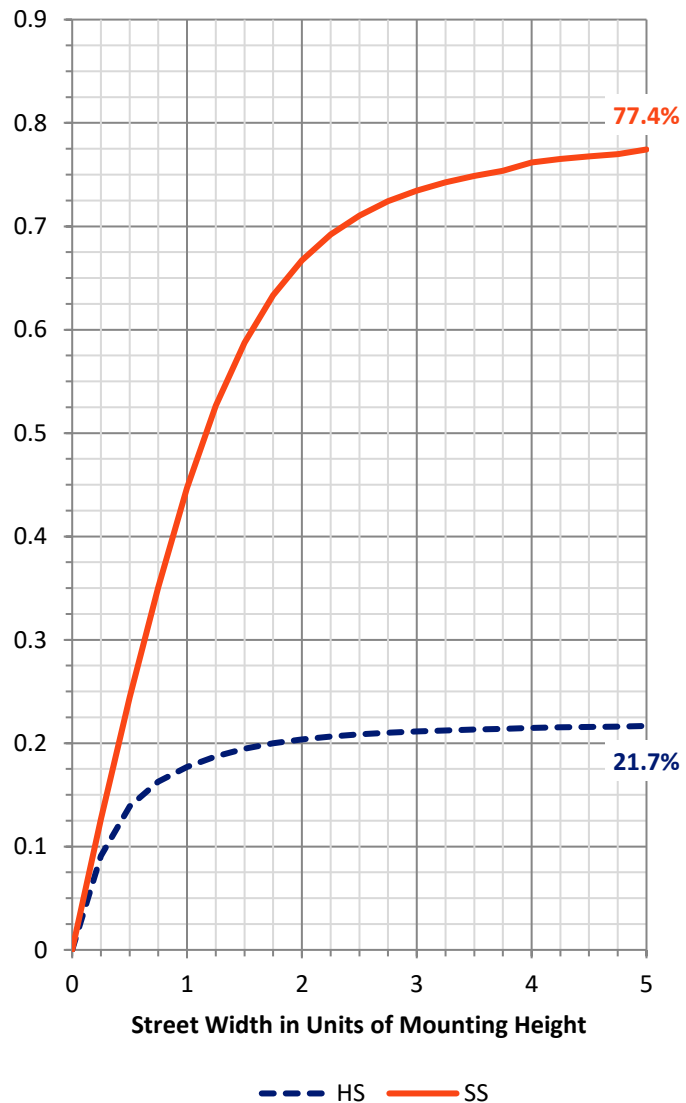
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8073.5	0.0	8073.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	28834.5	0.0	28834.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	36908.0	0.0	36908.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.0	2.1
10°-20°	2082.7	5.6
20°-30°	3597.9	9.7
30°-40°	4181.4	11.3
40°-50°	5833.8	15.8
50°-60°	7915.9	21.4
60°-70°	7531.0	20.4
70°-80°	4068.5	11.0
80°-90°	911.8	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°	36908.0	100.0
0°-180°	36908.0	100.0



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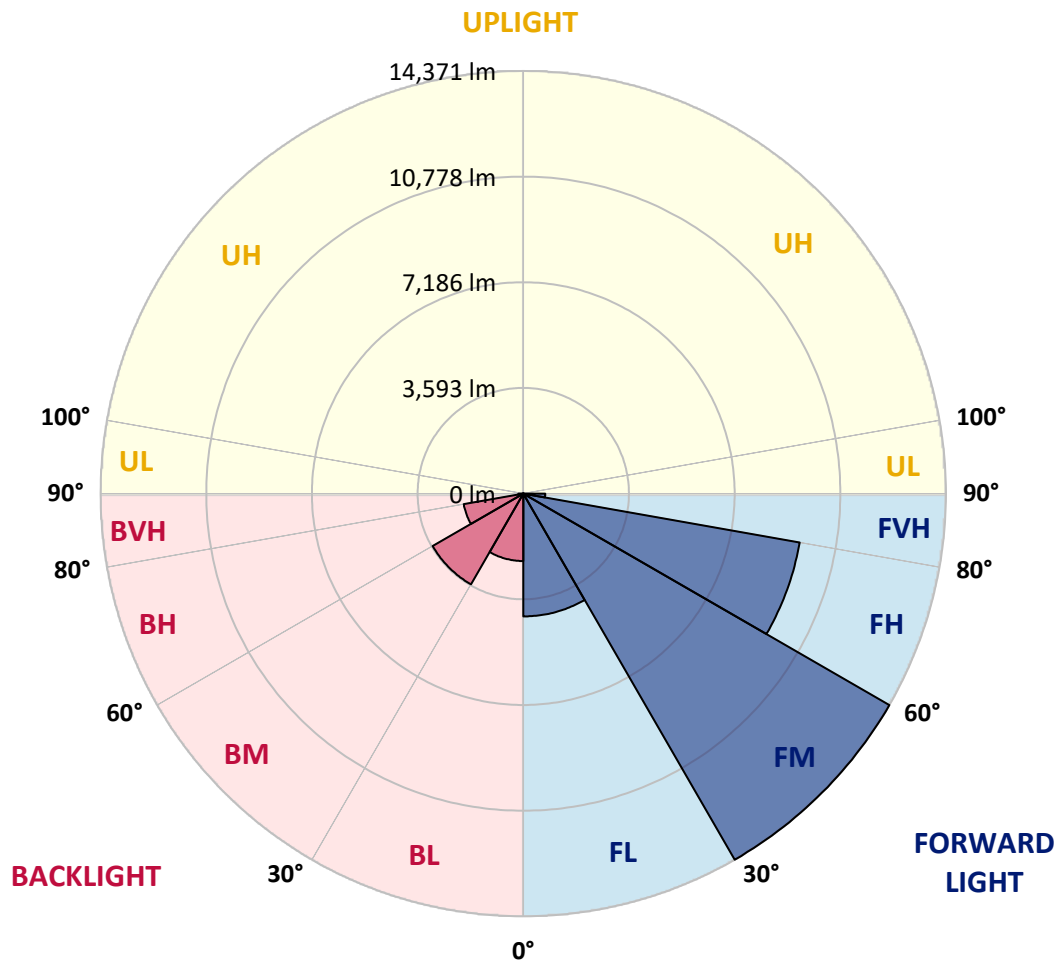
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4174.4	11.3			
FM	(30°-60°)	14371.2	38.9			
FH	(60°-80°)	9543.8	25.9			G4/12000
FVH	(80°-90°)	745.2	2.0			G4/750
BL	(0°-30°)	2291.3	6.2	B3/2500		
BM	(30°-60°)	3559.9	9.6	B3/5000		
BH	(60°-80°)	2055.7	5.6	B3/2500		G3/2500
BVH	(80°-90°)	166.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5
2.5°	10290.0	10251.0	10141.5	9854.2	9564.4	9269.8	9043.3	8760.9	8466.2	8308.0	8105.9
5°	10431.2	10387.4	10129.3	9481.6	8894.8	8278.8	7786.9	7355.9	7180.6	6922.5	6715.5
7.5°	10100.1	10080.6	9693.4	8763.3	7959.8	7153.8	6596.2	6250.5	5936.4	5819.5	5843.8
10°	9798.2	9720.2	9235.7	8020.7	7083.2	6428.2	6028.9	5690.4	5468.8	5410.4	5422.6
12.5°	9547.4	9442.7	8870.4	7521.5	6700.9	6177.4	5668.5	5315.4	5113.3	5169.4	5359.3
15°	9496.2	9355.0	8717.0	7351.0	6491.5	5817.0	5259.4	4852.8	4701.8	4823.6	5128.0
17.5°	9827.4	9649.6	8980.0	7407.1	6291.9	5449.4	4765.2	4300.1	4173.5	4368.3	4765.2
20°	10891.4	10628.5	9800.6	7730.9	6272.4	5266.7	4477.8	4010.3	4063.9	4434.0	4847.9
22.5°	12858.9	12464.4	11237.2	8203.3	6374.6	5220.5	4419.4	4175.9	4470.5	4784.6	5057.3
25°	13248.4	12939.2	11495.3	8310.4	6352.7	5188.8	4585.0	4706.7	5035.4	5191.3	5096.3
27.5°	13467.6	13114.5	11478.3	7779.6	5680.7	4706.7	4382.9	4585.0	4667.8	4516.8	4258.7
30°	13978.9	13611.2	11768.0	7222.0	4677.5	3491.7	3060.7	2977.9	3033.9	3063.1	2970.6
32.5°	14682.6	14319.8	12313.4	6856.8	4044.4	2887.8	2464.1	2347.3	2320.5	2288.8	2252.3
35°	15593.3	15035.7	12849.1	6623.0	3783.9	2671.1	2281.5	2191.4	2154.9	2111.1	2072.1
37.5°	16518.6	15934.2	13526.0	6377.1	3611.0	2520.2	2159.8	2118.4	2055.1	2008.8	1952.8
40°	17502.3	16847.3	14142.1	6162.8	3443.0	2422.8	2072.1	2067.3	1984.5	1930.9	1865.2
42.5°	18354.5	17680.0	14692.4	6031.3	3313.9	2320.5	2018.6	2033.2	1947.9	1867.6	1782.4
45°	19031.4	18369.1	15201.3	6031.3	3209.2	2218.2	2008.8	1999.1	1913.9	1814.0	1716.6
47.5°	19625.5	18941.3	15698.0	6184.7	3143.5	2133.0	1955.2	1972.3	1884.6	1758.0	1663.1
50°	20085.7	19481.9	16367.6	6423.3	3077.7	2064.8	1887.1	1979.6	1860.3	1728.8	1619.2
52.5°	20672.5	20132.0	17173.5	6749.6	3021.7	1989.3	1826.2	1979.6	1857.9	1731.2	1611.9
55°	21485.8	20916.0	18145.1	7019.9	2931.7	1918.7	1772.6	1923.6	1850.5	1719.1	1592.4
57.5°	22055.6	21629.5	18831.7	7200.1	2802.6	1828.6	1723.9	1870.0	1818.9	1672.8	1534.0
58°	22082.4	21666.0	18931.6	7241.5	2770.9	1811.6	1711.8	1845.7	1804.3	1653.3	1514.5
60°	21775.6	21417.6	18951.0	7183.0	2590.8	1726.4	1648.4	1745.8	1726.4	1538.9	1409.8
62.5°	20660.4	20278.1	18164.6	6708.2	2352.1	1621.7	1551.0	1611.9	1568.1	1378.2	1258.9
65°	19075.2	18371.5	16547.8	5963.1	2181.7	1509.7	1419.6	1424.4	1378.2	1241.8	1137.1
67.5°	16964.1	16177.7	14010.6	5025.7	2052.6	1385.5	1263.7	1251.6	1195.5	1107.9	1022.7
70°	14366.1	13828.0	11385.7	4088.2	1909.0	1249.1	1088.4	1081.1	1047.0	981.3	905.8
72.5°	11643.8	10959.6	9194.3	3272.5	1733.7	1117.6	925.3	939.9	896.1	849.8	781.6
75°	8592.9	8144.8	7107.6	2624.9	1497.5	974.0	771.9	776.7	757.3	708.6	655.0
77.5°	5658.8	5524.9	5084.1	1723.9	1151.7	774.3	630.6	635.5	620.9	577.1	521.1
80°	3808.2	3718.1	3445.4	1110.3	769.4	560.0	487.0	491.9	489.4	443.2	367.7
82.5°	2347.3	2308.3	2220.7	750.0	533.2	401.8	321.4	336.0	362.8	311.7	250.8
85°	1107.9	1110.3	1341.6	409.1	314.1	258.1	175.3	187.5	187.5	187.5	141.2
87.5°	143.7	151.0	185.1	172.9	114.4	97.4	63.3	53.6	46.3	60.9	43.8
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°	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5
2.5°	8035.3	7986.6	7881.9	7857.5	7842.9	7884.3	7774.7	7803.9	7755.2	7891.6	7869.7
5°	6727.7	6732.6	6817.8	6873.8	6893.3	6873.8	6800.8	6674.1	6576.7	6537.8	6547.5
7.5°	5797.6	5882.8	6028.9	6192.0	6340.6	6384.4	6343.0	6101.9	5839.0	5673.4	5619.8
10°	5488.3	5602.8	5770.8	5899.8	6031.3	6136.0	6157.9	5970.4	5658.8	5266.7	5113.3
12.5°	5505.4	5661.2	5821.9	5863.3	5851.1	5892.5	5873.0	5841.4	5636.9	5137.7	4882.0
15°	5344.7	5529.7	5641.7	5619.8	5580.9	5544.3	5493.2	5412.8	5339.8	4989.2	4706.7
17.5°	4974.6	5164.5	5257.0	5264.3	5264.3	5254.6	5130.4	5101.2	5091.4	4921.0	4748.1
20°	5042.7	5147.4	5106.0	5037.9	5057.3	5123.1	5050.0	5035.4	5091.4	5166.9	5135.3
22.5°	5081.7	5045.2	4733.5	4431.6	4363.4	4567.9	4609.3	4772.5	4998.9	5271.6	5449.4
25°	4840.6	4546.0	3988.4	3647.5	3455.2	3645.1	3893.4	4195.4	4533.8	4884.5	5091.4
27.5°	4046.9	3822.8	3423.5	3116.7	2948.7	2977.9	3189.8	3464.9	3779.0	4015.2	4166.2
30°	3048.5	2948.7	2741.7	2637.0	2534.8	2510.4	2600.5	2705.2	2844.0	2873.2	2912.2
32.5°	2245.0	2230.4	2242.6	2208.5	2189.0	2186.6	2159.8	2184.1	2198.7	2215.8	2181.7
35°	2030.7	2011.3	1977.2	1967.4	1955.2	1960.1	1947.9	1935.8	1945.5	1960.1	1969.9
37.5°	1921.2	1891.9	1843.2	1826.2	1826.2	1833.5	1814.0	1809.2	1826.2	1872.5	1896.8
40°	1835.9	1801.8	1745.8	1723.9	1738.5	1758.0	1731.2	1721.5	1762.9	1811.6	1850.5
42.5°	1755.6	1728.8	1675.2	1650.9	1663.1	1699.6	1660.6	1653.3	1706.9	1760.5	1806.7
45°	1687.4	1660.6	1611.9	1599.7	1604.6	1638.7	1611.9	1611.9	1663.1	1721.5	1762.9
47.5°	1633.8	1599.7	1568.1	1558.4	1563.2	1582.7	1577.8	1577.8	1626.5	1687.4	1728.8
50°	1580.3	1551.0	1509.7	1514.5	1526.7	1553.5	1551.0	1558.4	1607.1	1682.5	1726.4
52.5°	1555.9	1512.1	1465.8	1470.7	1507.2	1538.9	1529.1	1536.4	1592.4	1733.7	1797.0
55°	1529.1	1470.7	1417.1	1424.4	1465.8	1512.1	1499.9	1509.7	1575.4	1767.8	1855.4
57.5°	1478.0	1409.8	1351.4	1356.3	1417.1	1465.8	1446.3	1458.5	1536.4	1731.2	1823.8
58°	1456.1	1397.6	1341.6	1344.1	1402.5	1456.1	1434.2	1443.9	1524.3	1721.5	1809.2
60°	1363.6	1329.5	1280.8	1283.2	1339.2	1385.5	1373.3	1383.0	1461.0	1650.9	1716.6
62.5°	1236.9	1217.5	1205.3	1205.3	1239.4	1283.2	1295.4	1307.6	1378.2	1492.6	1551.0
65°	1100.6	1100.6	1103.0	1103.0	1124.9	1180.9	1188.2	1219.9	1285.6	1341.6	1385.5
67.5°	1008.1	1003.2	1008.1	995.9	1005.6	1039.7	1076.2	1105.5	1173.6	1212.6	1227.2
70°	888.7	886.3	888.7	871.7	883.9	913.1	937.4	986.1	1056.8	1086.0	1093.3
72.5°	771.9	771.9	776.7	764.6	764.6	796.2	813.3	866.8	932.6	949.6	952.1
75°	650.1	657.4	657.4	640.4	645.3	664.7	686.6	730.5	791.4	803.5	803.5
77.5°	516.2	543.0	543.0	525.9	533.2	535.7	564.9	586.8	633.1	638.0	618.5
80°	375.0	401.8	423.7	409.1	421.2	406.6	423.7	438.3	484.6	462.6	431.0
82.5°	267.8	287.3	304.4	306.8	294.6	267.8	289.8	292.2	314.1	284.9	267.8
85°	148.5	165.6	187.5	177.7	158.3	141.2	148.5	153.4	151.0	143.7	133.9
87.5°	39.0	41.4	46.3	34.1	31.7	26.8	36.5	36.5	41.4	43.8	41.4
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°	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5
2.5°	7886.7	7993.9	8225.2	8400.5	8614.8	8875.3	9182.1	9491.3	9824.9	9929.6	10075.7
5°	6525.6	6793.4	6905.5	7224.4	7541.0	8015.8	8522.2	9109.1	9751.9	10061.1	10358.2
7.5°	5576.0	5719.6	5836.5	6070.3	6450.1	7027.2	7662.7	8395.6	9306.3	9756.8	10192.6
10°	5064.7	5079.3	5222.9	5512.7	5843.8	6352.7	6954.2	7774.7	8790.1	9337.9	9849.3
12.5°	4726.2	4662.9	4818.7	5120.7	5495.6	5965.6	6518.3	7299.9	8417.5	8980.0	9598.5
15°	4429.1	4329.3	4446.2	4755.4	5125.5	5678.3	6272.4	7100.3	8271.5	8926.4	9613.1
17.5°	4436.4	4161.3	4202.7	4463.2	4830.9	5393.4	6114.1	7092.9	8493.0	9247.9	10061.1
20°	4984.3	4543.6	4356.1	4404.8	4760.3	5373.9	6187.2	7433.8	9221.1	10321.7	11190.9
22.5°	5522.4	5257.0	4955.1	4855.2	5050.0	5692.9	6652.2	8239.8	10803.8	12462.0	14032.5
25°	5334.9	5561.4	5485.9	5344.7	5388.5	5921.7	6968.8	8902.1	12033.4	13901.0	15376.6
27.5°	4268.4	4679.9	4762.7	4760.3	4777.3	5215.6	6267.5	8456.5	12186.8	14176.2	15586.0
30°	2999.8	3036.4	3080.2	3165.4	3243.3	3635.3	4903.9	7424.1	12118.6	14300.3	15712.6
32.5°	2164.7	2213.3	2274.2	2391.1	2576.2	3075.3	4290.3	7095.4	12479.0	14814.1	16082.7
35°	1979.6	2035.6	2094.0	2228.0	2403.3	2865.9	4046.9	6959.0	13070.7	15646.8	16747.4
37.5°	1921.2	1984.5	2035.6	2133.0	2274.2	2714.9	3825.3	6866.5	13677.0	16528.3	17638.6
40°	1879.8	1952.8	1994.2	2072.1	2169.5	2576.2	3628.0	6793.4	14263.8	17334.3	18354.5
42.5°	1843.2	1918.7	1972.3	2028.3	2108.6	2452.0	3452.7	6720.4	14772.7	18115.9	19067.9
45°	1799.4	1894.4	1962.6	2006.4	2077.0	2347.3	3318.8	6662.0	15352.2	18809.8	19788.7
47.5°	1762.9	1867.6	1952.8	2003.9	2030.7	2274.2	3211.7	6742.3	16048.6	19535.4	20458.3
50°	1765.3	1865.2	1972.3	2052.6	1982.0	2213.3	3145.9	7061.3	16954.4	20397.4	20986.6
52.5°	1843.2	1965.0	2050.2	2069.7	1913.9	2140.3	3111.8	7618.9	18025.8	21159.5	21519.9
55°	1930.9	2057.5	2150.0	2137.9	1877.3	2047.8	3104.5	8213.0	19199.4	22048.3	22213.8
57.5°	1899.2	2084.3	2225.5	2162.2	1879.8	1957.7	3072.9	8692.7	20180.7	22713.0	22900.5
58°	1889.5	2074.6	2235.3	2157.3	1872.5	1930.9	3065.6	8734.1	20317.0	22759.3	22997.9
60°	1794.5	1989.3	2228.0	2120.8	1831.1	1857.9	2985.2	8868.0	20280.5	22520.6	23056.3
62.5°	1621.7	1782.4	2059.9	1943.1	1704.4	1760.5	2805.0	8702.4	19291.9	21371.4	22201.7
65°	1426.9	1546.2	1731.2	1709.3	1524.3	1660.6	2559.1	8047.4	17312.3	19506.2	20380.3
67.5°	1280.8	1378.2	1495.0	1463.4	1370.9	1526.7	2293.7	6939.5	15091.7	17266.1	18366.7
70°	1132.2	1207.7	1266.2	1244.2	1215.0	1395.2	2057.5	5632.0	12963.6	15137.9	16204.4
72.5°	981.3	1051.9	1100.6	1068.9	1051.9	1256.4	1865.2	4370.7	10238.9	12488.7	13859.6
75°	820.6	891.2	925.3	888.7	879.0	1107.9	1580.3	3265.2	7682.2	9627.7	10811.1
77.5°	635.5	711.0	754.8	742.7	747.5	910.7	1275.9	2235.3	5493.2	6562.1	7808.8
80°	445.6	528.4	557.6	545.4	579.5	694.0	900.9	1419.6	3788.7	4258.7	5137.7
82.5°	275.1	353.1	357.9	370.1	394.5	513.8	679.3	864.4	2378.9	2459.3	3097.2
85°	138.8	168.0	180.2	199.7	221.6	314.1	387.2	535.7	1531.6	1159.0	1731.2
87.5°	46.3	48.7	58.4	73.0	90.1	129.1	165.6	219.1	379.8	209.4	535.7
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: P456643

CATALOG NUMBER: GLAN-SA7D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5	9262.5
2.5°	10370.4	10577.3	10728.3	10867.1	10733.2	10721.0	10589.5	10377.7	10290.0	10290.0
5°	10981.5	11466.1	11858.1	12108.9	12001.8	11743.7	11317.5	10774.6	10482.4	10431.2
7.5°	11149.5	12106.5	12834.5	13092.6	12912.4	12342.7	11526.9	10611.4	10192.6	10100.1
10°	11047.3	12291.5	13360.5	13769.5	13518.7	12656.8	11544.0	10421.5	9905.3	9798.2
12.5°	10940.1	12315.9	13457.8	14049.5	13886.4	12910.0	11668.2	10297.3	9700.8	9547.4
15°	11018.0	12325.6	13338.5	13949.7	14054.4	13214.4	11872.7	10387.4	9659.4	9496.2
17.5°	11509.9	12510.7	13168.1	13662.4	14030.1	13628.3	12454.7	10818.4	10029.5	9827.4
20°	12537.4	12953.8	13265.5	13647.8	14239.5	14473.2	13645.3	12001.8	11069.2	10891.4
22.5°	15512.9	15437.4	14799.5	14792.2	15649.3	16586.7	16530.7	14407.5	13005.0	12858.9
25°	16628.1	16277.5	15354.7	15130.6	15508.1	16954.4	16745.0	14899.3	13603.9	13248.4
27.5°	16192.3	15323.0	14716.7	14665.6	14541.4	15907.4	16411.4	15099.0	13813.3	13467.6
30°	16165.5	14887.2	14020.3	14122.6	14241.9	15547.0	16596.5	15724.8	14349.0	13978.9
32.5°	16231.2	14948.0	14071.4	14090.9	14446.4	15600.6	16801.0	16406.5	15052.7	14682.6
35°	16496.6	15293.8	14397.7	14351.5	14906.6	15951.2	17149.2	17477.9	16014.5	15593.3
37.5°	16925.2	15982.9	14994.3	14982.1	15788.1	16584.3	17582.6	18559.0	16971.4	16518.6
40°	17555.8	16788.8	16055.9	15990.2	16986.1	17614.3	18145.1	19710.7	18084.2	17502.3
42.5°	18318.0	17755.5	17456.0	17716.5	18673.5	18770.9	19021.7	20774.8	19031.4	18354.5
45°	19024.1	18997.3	19413.7	20105.2	20662.8	20078.4	19937.2	21488.2	19766.7	19031.4
47.5°	19864.1	20589.8	21846.2	22859.1	23443.5	21600.2	20718.8	21953.3	20302.4	19625.5
50°	20716.4	22496.3	24502.7	25914.9	26039.1	23253.6	21256.9	22391.6	20789.4	20085.7
52.5°	21612.4	24018.1	26689.2	28330.4	28089.3	24692.6	21778.0	22688.7	21291.0	20672.5
55°	22391.6	24950.7	27911.6	29487.0	29133.9	25569.2	22340.5	23010.1	22006.9	21485.8
57.5°	22827.5	25028.6	27607.2	28982.9	28600.7	25398.7	22598.6	23248.7	22464.6	22055.6
58°	22890.8	24923.9	27336.9	28690.8	28301.2	25255.1	22596.1	23239.0	22493.9	22082.4
60°	22834.8	24244.6	26331.3	27536.6	27127.5	24354.2	22503.6	23056.3	22123.8	21775.6
62.5°	22316.1	23066.1	24595.2	25471.8	25354.9	22946.8	22123.8	22367.2	20996.4	20660.4
65°	21634.3	21459.0	22372.1	22993.0	23080.7	21892.4	21746.3	20877.1	19550.0	19075.2
67.5°	20806.5	19637.7	19635.3	19988.3	20134.4	20270.8	20959.9	19257.8	17465.7	16964.1
70°	19401.5	16830.2	16055.9	16472.3	16350.5	17502.3	19554.9	16983.6	14952.9	14366.1
72.5°	16825.4	13355.6	12116.2	12651.9	12345.1	13725.7	17110.2	13976.5	12364.6	11643.8
75°	13638.0	9990.5	8712.2	9204.0	9014.1	10411.8	14237.0	10151.2	8868.0	8592.9
77.5°	10589.5	7239.0	6496.4	6428.2	6569.4	7747.9	10443.4	6854.3	5846.3	5658.8
80°	6803.2	5181.5	5225.4	5137.7	5210.7	4884.5	6340.6	4373.1	3959.2	3808.2
82.5°	4477.8	3611.0	4305.0	3973.8	3774.1	3284.7	4158.9	2863.5	2430.1	2347.3
85°	3051.0	2658.9	2420.3	1850.5	2179.3	2529.9	3119.1	1541.3	1222.3	1107.9
87.5°	1378.2	925.3	679.3	418.8	662.3	764.6	1514.5	180.2	138.8	143.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)