

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: P457890

Luminaire Tested: **GLAN-SA9B-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457890
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-SA9B-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 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: 40495 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 364
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

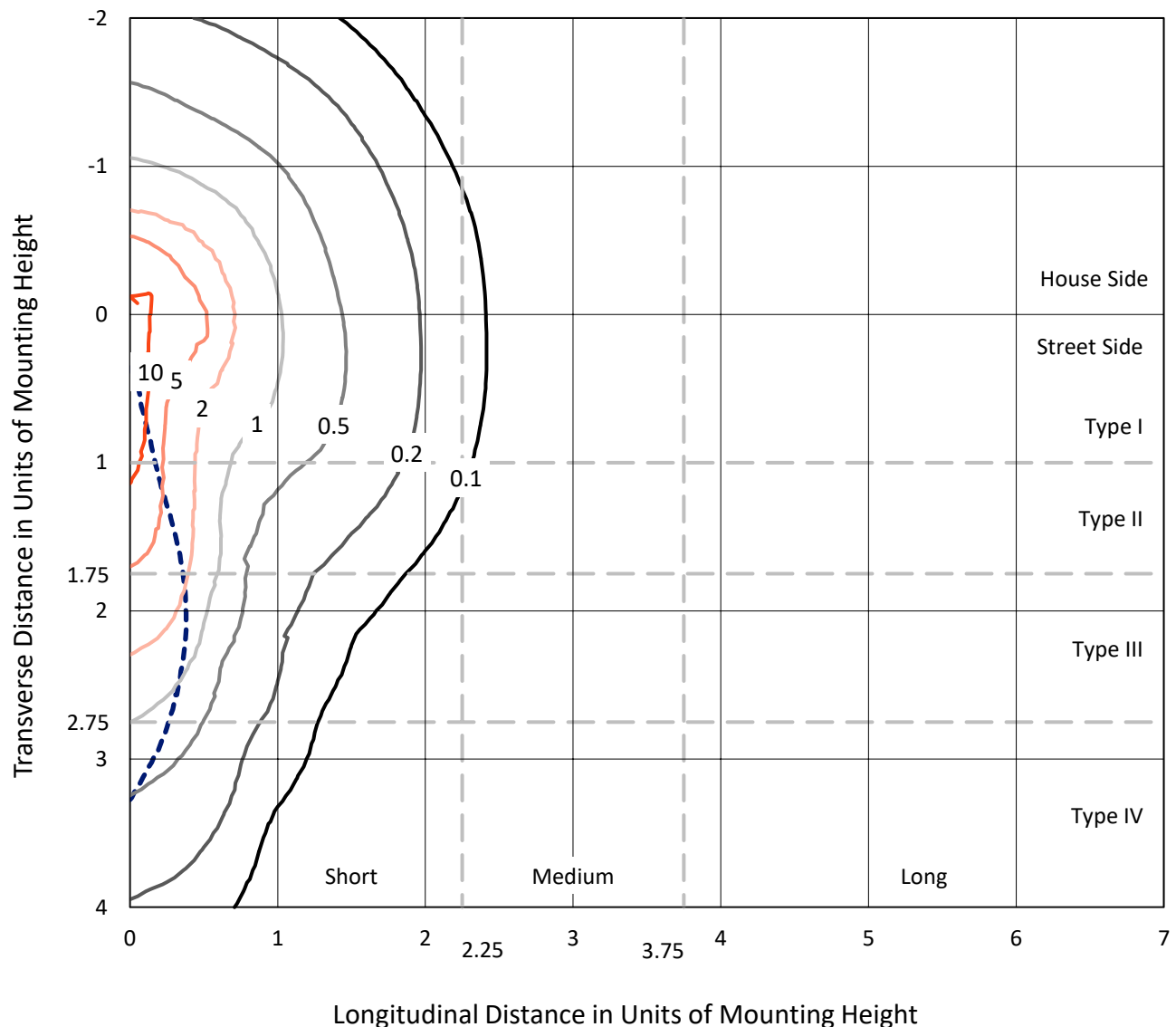


REPORT NUMBER: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



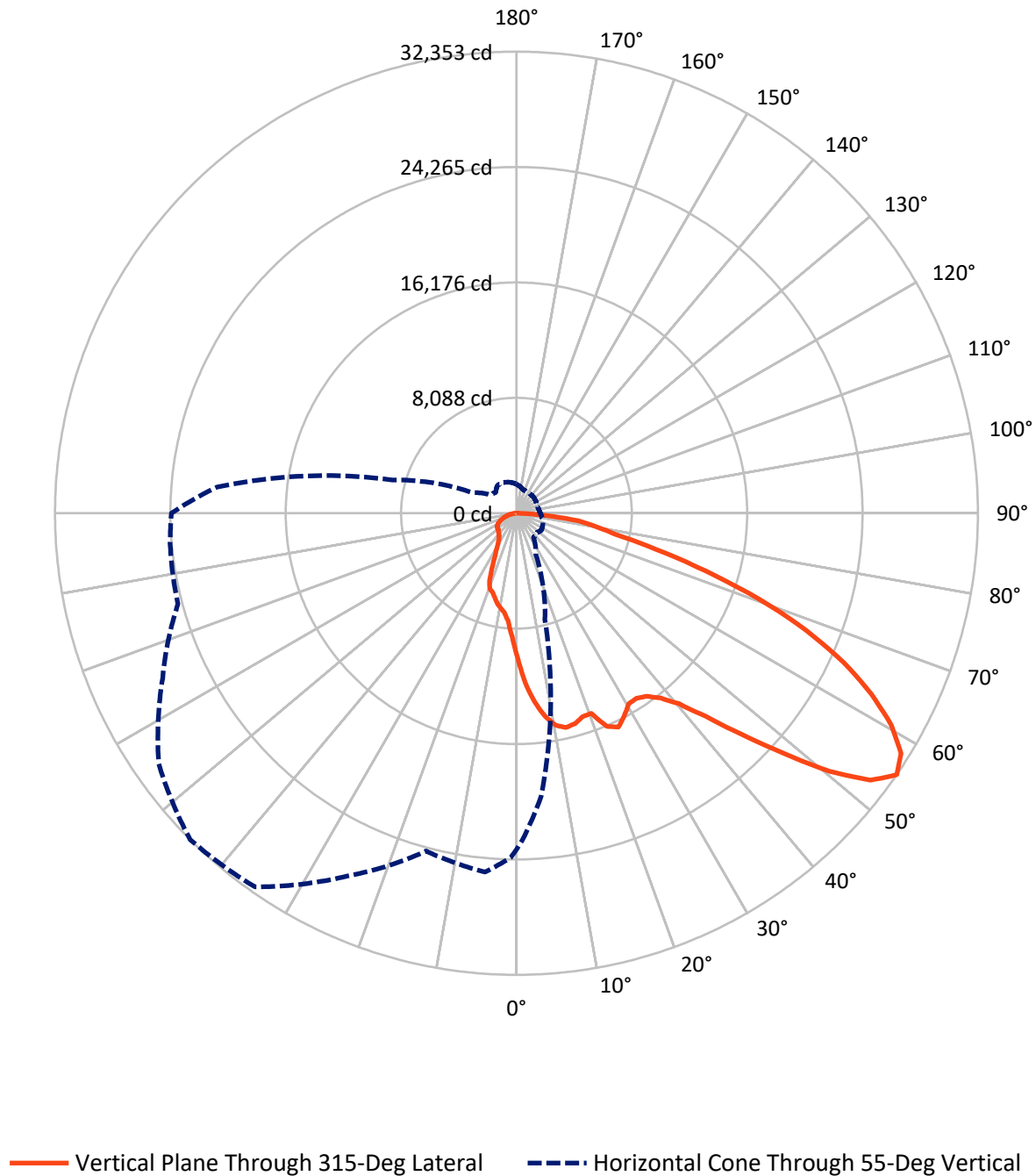
Based on 25 foot mounting height. Maximum calculated value = 17.4 fc

Type IV - Short - N/A

REPORT NUMBER: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

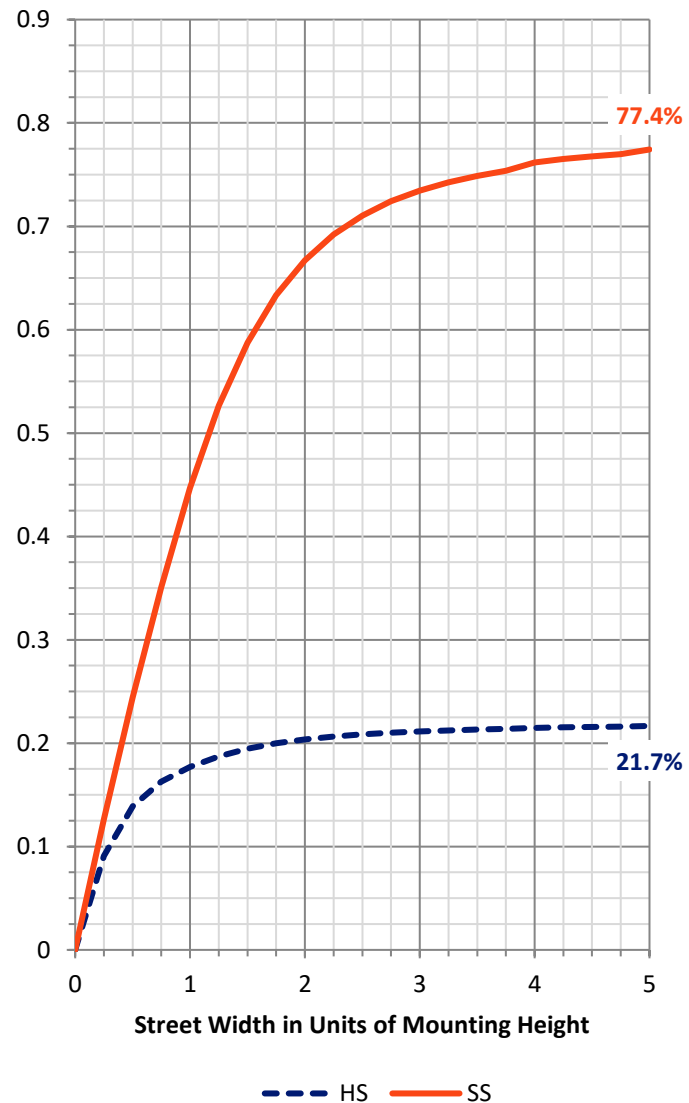
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8858.1	0.0	8858.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	31636.9	0.0	31636.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	40495.0	0.0	40495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.3	2.1
10°-20°	2285.1	5.6
20°-30°	3947.6	9.7
30°-40°	4587.7	11.3
40°-50°	6400.8	15.8
50°-60°	8685.2	21.4
60°-70°	8262.9	20.4
70°-80°	4463.9	11.0
80°-90°	1000.4	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°	40495.0	100.0
0°-180°	40495.0	100.0

Coefficient of Utilization



REPORT NUMBER: P457890

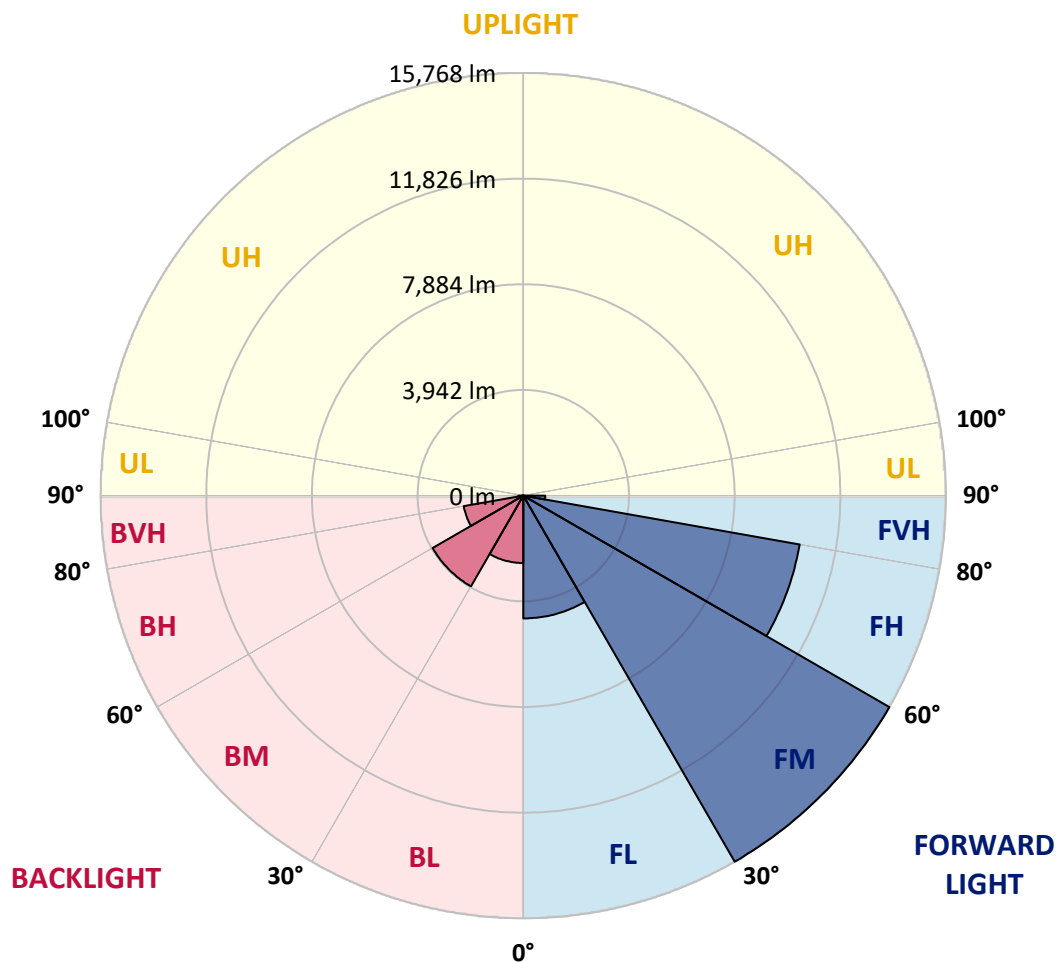
CATALOG NUMBER: GLAN-SA9B-730-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4580.1	11.3			
FM	(30°-60°)	15767.9	38.9			
FH	(60°-80°)	10471.3	25.9			G4/12000
FVH	(80°-90°)	817.6	2.0			G5
BL	(0°-30°)	2513.9	6.2	B4/5000		
BM	(30°-60°)	3905.8	9.6	B3/5000		
BH	(60°-80°)	2255.5	5.6	B3/2500		G3/2500
BVH	(80°-90°)	182.8	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





REPORT NUMBER: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7
2.5°	11290.1	11247.3	11127.1	10811.9	10493.9	10170.7	9922.2	9612.3	9289.1	9115.4	8893.7
5°	11445.0	11396.9	11113.7	10403.1	9759.3	9083.3	8543.7	8070.8	7878.5	7595.3	7368.2
7.5°	11081.7	11060.3	10635.5	9615.0	8733.4	7849.1	7237.3	6857.9	6513.3	6385.1	6411.8
10°	10750.4	10664.9	10133.3	8800.2	7771.6	7053.0	6614.8	6243.5	6000.4	5936.2	5949.6
12.5°	10475.2	10360.4	9732.5	8252.5	7352.2	6777.8	6219.4	5832.0	5610.3	5671.7	5880.1
15°	10419.1	10264.2	9564.2	8065.5	7122.4	6382.4	5770.6	5324.4	5158.8	5292.4	5626.3
17.5°	10782.5	10587.4	9852.8	8126.9	6903.3	5979.0	5228.3	4718.0	4579.1	4792.8	5228.3
20°	11949.9	11661.4	10753.1	8482.2	6882.0	5778.6	4913.0	4400.1	4458.9	4864.9	5319.1
22.5°	14108.6	13675.8	12329.3	9000.5	6994.2	5727.9	4848.9	4581.7	4905.0	5249.6	5548.9
25°	14536.0	14196.7	12612.5	9118.1	6970.1	5693.1	5030.6	5164.2	5524.8	5695.8	5591.6
27.5°	14776.5	14389.1	12593.8	8535.7	6232.8	5164.2	4808.8	5030.6	5121.4	4955.8	4672.6
30°	15337.5	14934.1	12911.7	7923.9	5132.1	3831.0	3358.2	3267.3	3328.8	3360.8	3259.3
32.5°	16109.6	15711.5	13510.1	7523.1	4437.5	3168.5	2703.6	2575.4	2546.0	2511.3	2471.2
35°	17108.8	16497.0	14097.9	7266.7	4151.6	2930.7	2503.3	2404.4	2364.3	2316.3	2273.5
37.5°	18124.0	17482.8	14840.6	6996.8	3961.9	2765.1	2369.7	2324.3	2254.8	2204.0	2142.6
40°	19203.3	18484.6	15516.5	6761.8	3777.6	2658.2	2273.5	2268.2	2177.3	2118.6	2046.4
42.5°	20138.3	19398.3	16120.3	6617.5	3636.0	2546.0	2214.7	2230.8	2137.3	2049.1	1955.6
45°	20881.0	20154.3	16678.6	6617.5	3521.1	2433.8	2204.0	2193.4	2099.9	1990.3	1883.5
47.5°	21532.9	20782.2	17223.6	6785.8	3449.0	2340.3	2145.3	2164.0	2067.8	1928.9	1824.7
50°	22037.8	21375.3	17958.3	7047.6	3376.9	2265.5	2070.5	2172.0	2041.1	1896.8	1776.6
52.5°	22681.7	22088.6	18842.6	7405.6	3315.4	2182.7	2003.7	2172.0	2038.4	1899.5	1768.6
55°	23574.0	22948.8	19908.6	7702.1	3216.6	2105.2	1944.9	2110.5	2030.4	1886.1	1747.2
57.5°	24199.1	23731.6	20661.9	7899.8	3075.0	2006.4	1891.5	2051.8	1995.7	1835.4	1683.1
58°	24228.5	23771.7	20771.5	7945.3	3040.2	1987.7	1878.1	2025.1	1979.6	1814.0	1661.7
60°	23891.9	23499.2	20792.9	7881.1	2842.6	1894.1	1808.7	1915.5	1894.1	1688.4	1546.8
62.5°	22668.3	22248.9	19929.9	7360.2	2580.7	1779.3	1701.8	1768.6	1720.5	1512.1	1381.2
65°	20929.1	20157.0	18156.0	6542.7	2393.7	1656.4	1557.5	1562.9	1512.1	1362.5	1247.6
67.5°	18612.8	17749.9	15372.2	5514.1	2252.1	1520.1	1386.5	1373.2	1311.7	1215.6	1122.1
70°	15762.3	15171.9	12492.3	4485.6	2094.5	1370.5	1194.2	1186.2	1148.8	1076.6	993.8
72.5°	12775.5	12024.7	10087.9	3590.6	1902.2	1226.3	1015.2	1031.2	983.1	932.4	857.6
75°	9428.0	8936.4	7798.3	2880.0	1643.0	1068.6	846.9	852.2	830.9	777.4	718.7
77.5°	6208.7	6061.8	5578.2	1891.5	1263.7	849.6	691.9	697.3	681.3	633.2	571.7
80°	4178.3	4079.5	3780.3	1218.2	844.2	614.5	534.3	539.7	537.0	486.2	403.4
82.5°	2575.4	2532.7	2436.5	822.8	585.1	440.8	352.6	368.7	398.1	342.0	275.2
85°	1215.6	1218.2	1472.0	448.8	344.6	283.2	192.4	205.7	205.7	205.7	155.0
87.5°	157.6	165.6	203.0	189.7	125.6	106.9	69.5	58.8	50.8	66.8	48.1
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: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7
2.5°	8816.2	8762.8	8647.9	8621.2	8605.1	8650.6	8530.3	8562.4	8509.0	8658.6	8634.5
5°	7381.6	7386.9	7480.4	7541.9	7563.2	7541.9	7461.7	7322.8	7215.9	7173.2	7183.9
7.5°	6361.0	6454.5	6614.8	6793.8	6956.8	7004.9	6959.4	6695.0	6406.4	6224.8	6166.0
10°	6021.7	6147.3	6331.6	6473.2	6617.5	6732.4	6756.4	6550.7	6208.7	5778.6	5610.3
12.5°	6040.4	6211.4	6387.7	6433.1	6419.8	6465.2	6443.8	6409.1	6184.7	5637.0	5356.5
15°	5864.1	6067.1	6190.0	6166.0	6123.2	6083.2	6027.1	5938.9	5858.8	5474.1	5164.2
17.5°	5458.0	5666.4	5767.9	5775.9	5775.9	5765.3	5629.0	5596.9	5586.3	5399.2	5209.6
20°	5532.8	5647.7	5602.3	5527.5	5548.9	5621.0	5540.8	5524.8	5586.3	5669.1	5634.3
22.5°	5575.6	5535.5	5193.5	4862.3	4787.5	5011.9	5057.3	5236.3	5484.7	5784.0	5979.0
25°	5311.1	4987.8	4376.0	4002.0	3791.0	3999.3	4271.8	4603.1	4974.5	5359.2	5586.3
27.5°	4440.2	4194.4	3756.2	3419.6	3235.3	3267.3	3499.8	3801.6	4146.3	4405.4	4571.1
30°	3344.8	3235.3	3008.2	2893.3	2781.1	2754.4	2853.2	2968.1	3120.4	3152.5	3195.2
32.5°	2463.2	2447.2	2460.5	2423.1	2401.7	2399.1	2369.7	2396.4	2412.4	2431.1	2393.7
35°	2228.1	2206.7	2169.3	2158.6	2145.3	2150.6	2137.3	2123.9	2134.6	2150.6	2161.3
37.5°	2107.9	2075.8	2022.4	2003.7	2003.7	2011.7	1990.3	1985.0	2003.7	2054.4	2081.2
40°	2014.4	1977.0	1915.5	1891.5	1907.5	1928.9	1899.5	1888.8	1934.2	1987.7	2030.4
42.5°	1926.2	1896.8	1838.0	1811.3	1824.7	1864.8	1822.0	1814.0	1872.8	1931.5	1982.3
45°	1851.4	1822.0	1768.6	1755.2	1760.6	1798.0	1768.6	1768.6	1824.7	1888.8	1934.2
47.5°	1792.6	1755.2	1720.5	1709.8	1715.1	1736.5	1731.2	1731.2	1784.6	1851.4	1896.8
50°	1733.9	1701.8	1656.4	1661.7	1675.1	1704.5	1701.8	1709.8	1763.2	1846.1	1894.1
52.5°	1707.1	1659.0	1608.3	1613.6	1653.7	1688.4	1677.7	1685.8	1747.2	1902.2	1971.6
55°	1677.7	1613.6	1554.9	1562.9	1608.3	1659.0	1645.7	1656.4	1728.5	1939.6	2035.7
57.5°	1621.6	1546.8	1482.7	1488.1	1554.9	1608.3	1586.9	1600.3	1685.8	1899.5	2001.0
58°	1597.6	1533.5	1472.0	1474.7	1538.8	1597.6	1573.6	1584.2	1672.4	1888.8	1985.0
60°	1496.1	1458.7	1405.2	1407.9	1469.4	1520.1	1506.8	1517.5	1602.9	1811.3	1883.5
62.5°	1357.2	1335.8	1322.4	1322.4	1359.8	1407.9	1421.3	1434.6	1512.1	1637.7	1701.8
65°	1207.6	1207.6	1210.2	1210.2	1234.3	1295.7	1303.7	1338.5	1410.6	1472.0	1520.1
67.5°	1106.0	1100.7	1106.0	1092.7	1103.4	1140.8	1180.8	1212.9	1287.7	1330.4	1346.5
70°	975.1	972.5	975.1	956.4	969.8	1001.8	1028.6	1082.0	1159.5	1191.5	1199.5
72.5°	846.9	846.9	852.2	838.9	838.9	873.6	892.3	951.1	1023.2	1041.9	1044.6
75°	713.3	721.3	721.3	702.6	708.0	729.3	753.4	801.5	868.3	881.6	881.6
77.5°	566.4	595.8	595.8	577.1	585.1	587.7	619.8	643.8	694.6	700.0	678.6
80°	411.4	440.8	464.9	448.8	462.2	446.2	464.9	480.9	531.6	507.6	472.9
82.5°	293.9	315.2	333.9	336.6	323.3	293.9	317.9	320.6	344.6	312.6	293.9
85°	163.0	181.7	205.7	195.0	173.7	155.0	163.0	168.3	165.6	157.6	146.9
87.5°	42.7	45.4	50.8	37.4	34.7	29.4	40.1	40.1	45.4	48.1	45.4
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: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7
2.5°	8653.2	8770.8	9024.6	9216.9	9452.0	9737.9	10074.5	10413.8	10779.8	10894.7	11055.0
5°	7159.8	7453.7	7576.6	7926.6	8273.9	8794.8	9350.5	9994.4	10699.6	11038.9	11364.9
7.5°	6117.9	6275.5	6403.8	6660.2	7077.0	7710.2	8407.4	9211.6	10210.8	10705.0	11183.2
10°	5556.9	5572.9	5730.5	6048.4	6411.8	6970.1	7630.0	8530.3	9644.4	10245.5	10806.5
12.5°	5185.5	5116.1	5287.0	5618.3	6029.7	6545.4	7151.8	8009.4	9235.6	9852.8	10531.3
15°	4859.6	4750.1	4878.3	5217.6	5623.7	6230.1	6882.0	7790.3	9075.3	9794.0	10547.4
17.5°	4867.6	4565.7	4611.1	4897.0	5300.4	5917.5	6708.3	7782.3	9318.4	10146.6	11038.9
20°	5468.7	4985.2	4779.4	4832.9	5222.9	5896.2	6788.5	8156.3	10117.2	11324.8	12278.5
22.5°	6059.1	5767.9	5436.7	5327.1	5540.8	6246.1	7298.7	9040.6	11853.8	13673.1	15396.3
25°	5853.4	6101.9	6019.1	5864.1	5912.2	6497.3	7646.0	9767.3	13202.9	15252.0	16871.0
27.5°	4683.3	5134.8	5225.6	5222.9	5241.6	5722.5	6876.6	9278.4	13371.2	15553.9	17100.7
30°	3291.4	3331.5	3379.5	3473.0	3558.5	3988.7	5380.5	8145.6	13296.4	15690.1	17239.7
32.5°	2375.0	2428.5	2495.2	2623.5	2826.5	3374.2	4707.3	7785.0	13691.8	16253.8	17645.7
35°	2172.0	2233.4	2297.6	2444.5	2636.8	3144.4	4440.2	7635.4	14341.0	17167.5	18375.1
37.5°	2107.9	2177.3	2233.4	2340.3	2495.2	2978.8	4197.0	7533.8	15006.2	18134.6	19352.9
40°	2062.5	2142.6	2188.0	2273.5	2380.4	2826.5	3980.6	7453.7	15650.1	19018.9	20138.3
42.5°	2022.4	2105.2	2164.0	2225.4	2313.6	2690.3	3788.3	7373.5	16208.4	19876.5	20921.1
45°	1974.3	2078.5	2153.3	2201.4	2278.9	2575.4	3641.4	7309.4	16844.3	20637.9	21711.9
47.5°	1934.2	2049.1	2142.6	2198.7	2228.1	2495.2	3523.8	7397.6	17608.3	21434.0	22446.6
50°	1936.9	2046.4	2164.0	2252.1	2174.7	2428.5	3451.7	7747.6	18602.2	22379.8	23026.3
52.5°	2022.4	2156.0	2249.5	2270.8	2099.9	2348.3	3414.3	8359.4	19777.7	23216.0	23611.4
55°	2118.6	2257.5	2359.0	2345.6	2059.8	2246.8	3406.3	9011.2	21065.4	24191.1	24372.8
57.5°	2083.8	2286.9	2441.8	2372.4	2062.5	2147.9	3371.5	9537.5	22142.0	24920.4	25126.1
58°	2073.1	2276.2	2452.5	2367.0	2054.4	2118.6	3363.5	9582.9	22291.6	24971.2	25233.0
60°	1968.9	2182.7	2444.5	2326.9	2009.0	2038.4	3275.3	9729.9	22251.5	24709.4	25297.1
62.5°	1779.3	1955.6	2260.2	2131.9	1870.1	1931.5	3077.7	9548.2	21166.9	23448.4	24359.4
65°	1565.5	1696.4	1899.5	1875.4	1672.4	1822.0	2807.8	8829.5	18994.9	21402.0	22361.1
67.5°	1405.2	1512.1	1640.3	1605.6	1504.1	1675.1	2516.6	7614.0	16558.4	18944.1	20151.7
70°	1242.3	1325.1	1389.2	1365.2	1333.1	1530.8	2257.5	6179.3	14223.5	16609.2	17779.3
72.5°	1076.6	1154.1	1207.6	1172.8	1154.1	1378.5	2046.4	4795.5	11234.0	13702.5	15206.6
75°	900.3	977.8	1015.2	975.1	964.4	1215.6	1733.9	3582.6	8428.8	10563.4	11861.8
77.5°	697.3	780.1	828.2	814.8	820.2	999.2	1399.9	2452.5	6027.1	7199.9	8567.7
80°	488.9	579.7	611.8	598.4	635.8	761.4	988.5	1557.5	4157.0	4672.6	5637.0
82.5°	301.9	387.4	392.7	406.1	432.8	563.7	745.4	948.4	2610.1	2698.3	3398.2
85°	152.3	184.3	197.7	219.1	243.1	344.6	424.8	587.7	1680.4	1271.7	1899.5
87.5°	50.8	53.4	64.1	80.1	98.8	141.6	181.7	240.4	416.8	229.8	587.7
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: P457890

CATALOG NUMBER: GLAN-SA9B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7	10162.7
2.5°	11378.2	11605.3	11771.0	11923.2	11776.3	11762.9	11618.7	11386.2	11290.1	11290.1
5°	12048.8	12580.4	13010.6	13285.7	13168.2	12885.0	12417.5	11821.7	11501.1	11445.0
7.5°	12233.1	13283.1	14081.9	14365.0	14167.4	13542.2	12647.2	11642.7	11183.2	11081.7
10°	12120.9	13486.1	14658.9	15107.7	14832.6	13886.8	12665.9	11434.3	10868.0	10750.4
12.5°	12003.4	13512.8	14765.8	15415.0	15236.0	14164.7	12802.2	11298.1	10643.5	10475.2
15°	12088.9	13523.5	14634.9	15305.4	15420.3	14498.6	13026.6	11396.9	10598.1	10419.1
17.5°	12628.5	13726.5	14447.9	14990.2	15393.6	14952.8	13665.1	11869.8	11004.2	10782.5
20°	13755.9	14212.8	14554.7	14974.2	15623.4	15879.8	14971.5	13168.2	12145.0	11949.9
22.5°	17020.6	16937.8	16237.8	16229.8	17170.2	18198.8	18137.3	15807.7	14268.9	14108.6
25°	18244.2	17859.5	16846.9	16601.2	17015.2	18602.2	18372.4	16347.4	14926.1	14536.0
27.5°	17766.0	16812.2	16147.0	16090.9	15954.6	17453.4	18006.4	16566.4	15155.8	14776.5
30°	17736.6	16334.0	15382.9	15495.1	15626.0	17058.0	18209.4	17253.0	15743.6	15337.5
32.5°	17808.7	16400.8	15439.0	15460.4	15850.4	17116.8	18433.9	18001.1	16515.7	16109.6
35°	18099.9	16780.1	15797.0	15746.3	16355.4	17501.5	18815.9	19176.5	17570.9	17108.8
37.5°	18570.1	17536.2	16451.5	16438.2	17322.5	18196.1	19291.4	20362.7	18620.9	18124.0
40°	19262.0	18420.5	17616.4	17544.2	18636.9	19326.2	19908.6	21626.4	19841.8	19203.3
42.5°	20098.2	19481.1	19152.5	19438.4	20488.3	20595.2	20870.3	22793.9	20881.0	20138.3
45°	20873.0	20843.6	21300.5	22059.2	22671.0	22029.8	21874.8	23576.6	21687.8	20881.0
47.5°	21794.7	22590.8	23969.4	25080.7	25721.9	23699.5	22732.4	24086.9	22275.6	21532.9
50°	22729.7	24682.7	26884.0	28433.5	28569.8	25513.5	23322.8	24567.8	22809.9	22037.8
52.5°	23712.9	26352.4	29283.1	31083.8	30819.3	27092.4	23894.5	24893.7	23360.2	22681.7
55°	24567.8	27375.6	30624.2	32352.7	31965.4	28054.2	24511.7	25246.4	24145.7	23574.0
57.5°	25046.0	27461.1	30290.3	31799.7	31380.3	27867.2	24794.9	25508.2	24647.9	24199.1
58°	25115.5	27346.2	29993.7	31479.1	31051.7	27709.6	24792.2	25497.5	24680.0	24228.5
60°	25054.0	26600.9	28890.4	30212.8	29764.0	26721.1	24690.7	25297.1	24273.9	23891.9
62.5°	24485.0	25307.8	26985.6	27947.3	27819.1	25176.9	24273.9	24541.1	23037.0	22668.3
65°	23736.9	23544.6	24546.4	25227.7	25323.8	24020.1	23859.8	22906.1	21450.1	20929.1
67.5°	22828.6	21546.2	21543.6	21930.9	22091.2	22240.8	22996.9	21129.5	19163.2	18612.8
70°	21287.1	18465.9	17616.4	18073.2	17939.6	19203.3	21455.4	18634.2	16406.1	15762.3
72.5°	18460.6	14653.6	13293.7	13881.5	13544.9	15059.7	18773.1	15334.8	13566.2	12775.5
75°	14963.5	10961.5	9558.9	10098.5	9890.2	11423.6	15620.7	11137.8	9729.9	9428.0
77.5°	11618.7	7942.6	7127.8	7053.0	7207.9	8500.9	11458.4	7520.5	6414.4	6208.7
80°	7464.4	5685.1	5733.2	5637.0	5717.2	5359.2	6956.8	4798.1	4344.0	4178.3
82.5°	4913.0	3961.9	4723.3	4360.0	4140.9	3604.0	4563.0	3141.8	2666.2	2575.4
85°	3347.5	2917.4	2655.5	2030.4	2391.1	2775.8	3422.3	1691.1	1341.1	1215.6
87.5°	1512.1	1015.2	745.4	459.5	726.7	838.9	1661.7	197.7	152.3	157.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)