

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: P456498

Luminaire Tested: **GLAN-SA7D-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456498
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-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 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: 42298 lumens
Efficiency: N/A
Efficacy: 97.7 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): 433
Input Voltage (V): NR
Input Current (A_{in}): 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

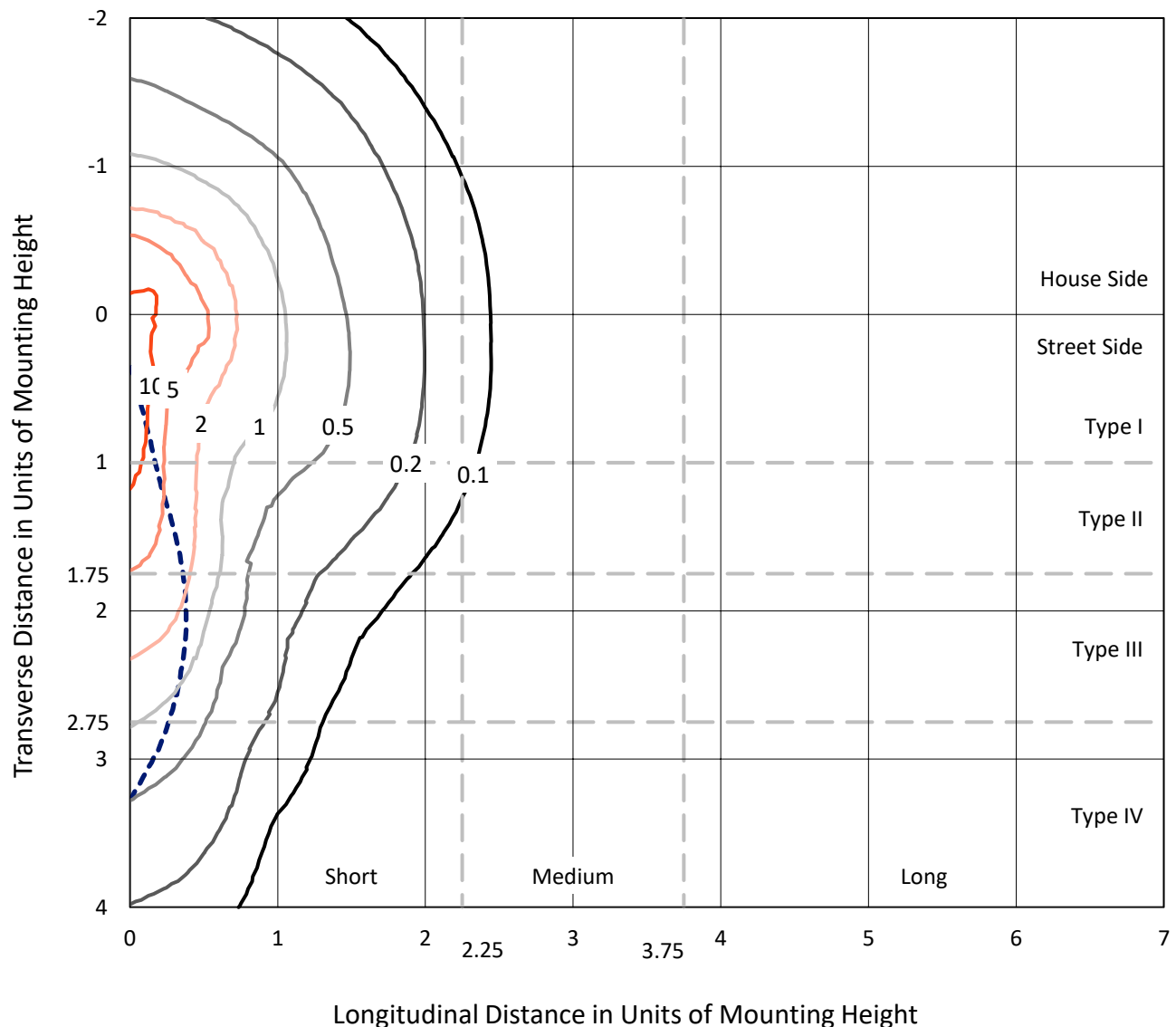


REPORT NUMBER: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd



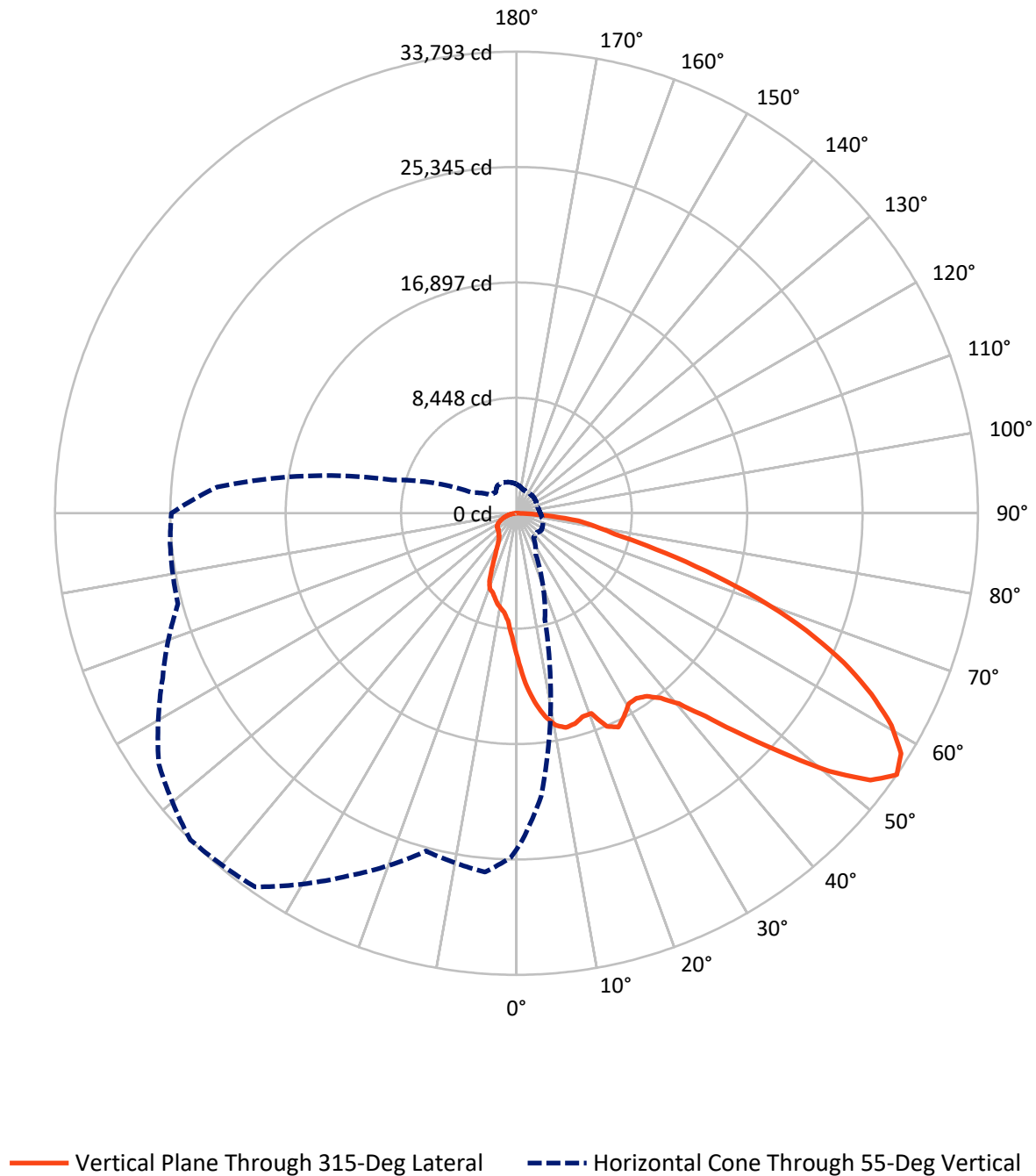
Based on 25 foot mounting height. Maximum calculated value = 18.2 fc

Type IV - Short - N/A

REPORT NUMBER: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

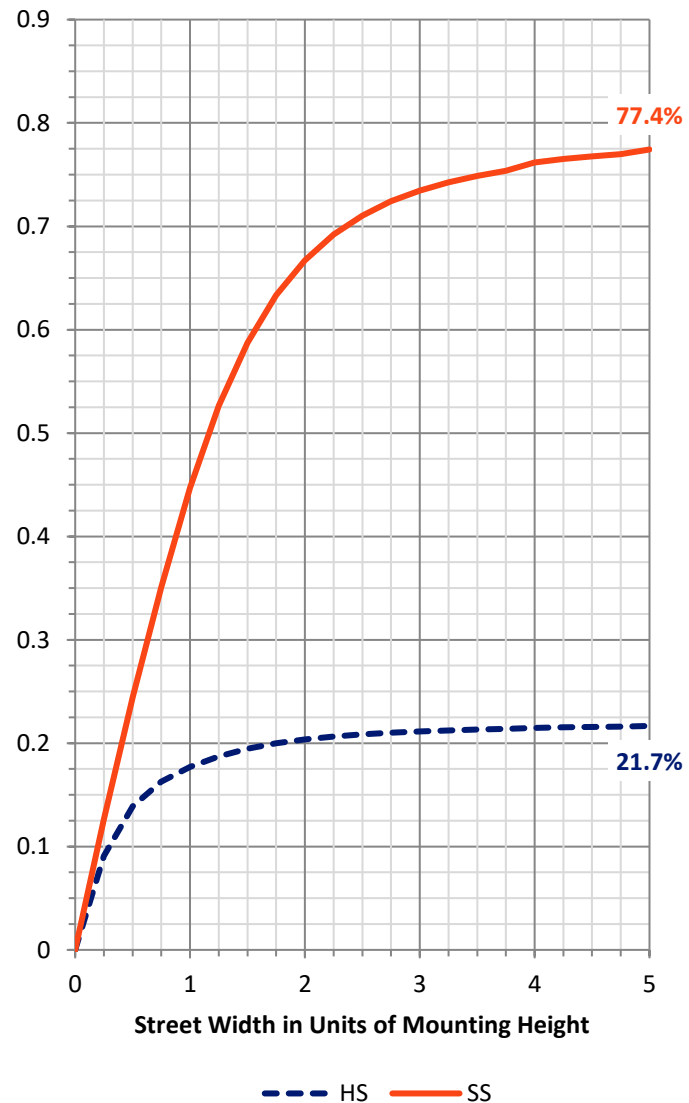
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9252.5	0.0	9252.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	33045.5	0.0	33045.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	42298.0	0.0	42298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.7	2.1
10°-20°	2386.8	5.6
20°-30°	4123.4	9.7
30°-40°	4792.0	11.3
40°-50°	6685.8	15.8
50°-60°	9071.9	21.4
60°-70°	8630.8	20.4
70°-80°	4662.6	11.0
80°-90°	1045.0	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°	42298.0	100.0
0°-180°	42298.0	100.0

Coefficient of Utilization



REPORT NUMBER: P456498

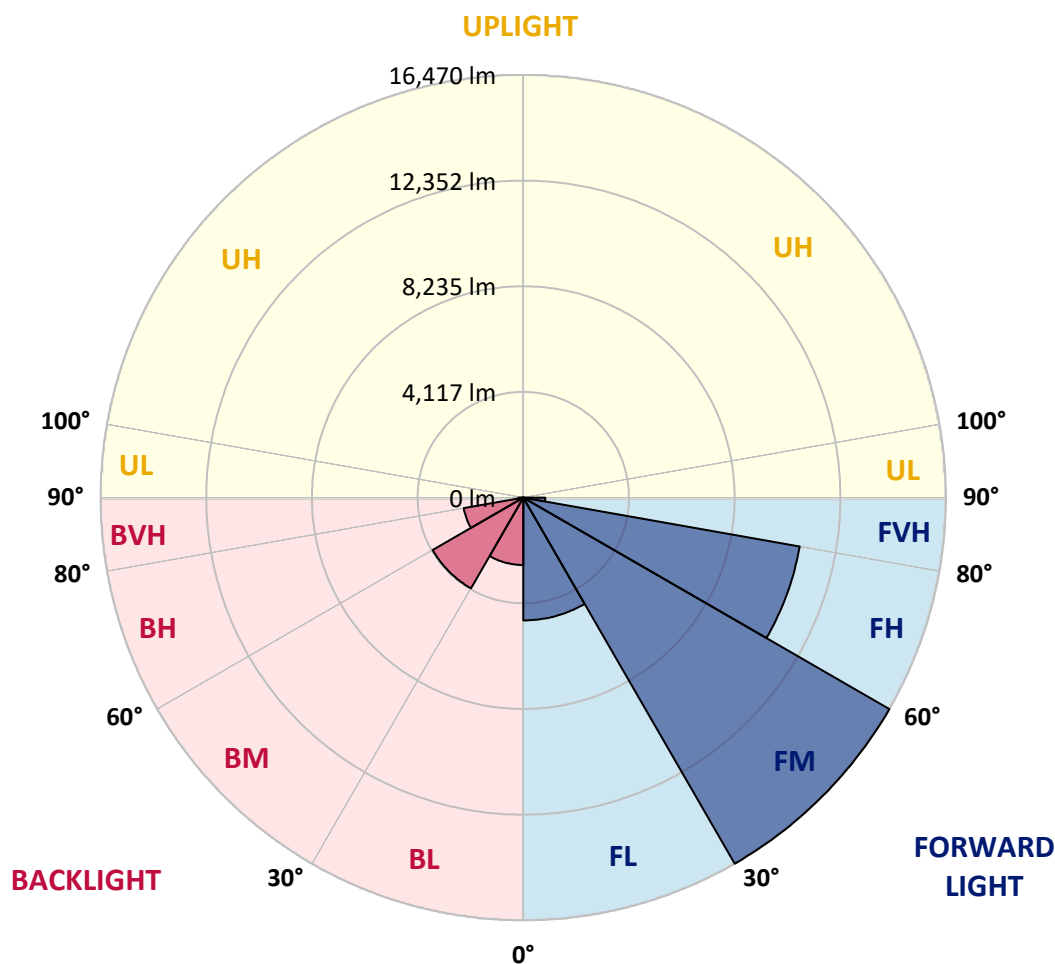
CATALOG NUMBER: GLAN-SA7D-730-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4784.0	11.3			
FM	(30°-60°)	16470.0	38.9			
FH	(60°-80°)	10937.6	25.9			G4/12000
FVH	(80°-90°)	854.0	2.0			G5
BL	(0°-30°)	2625.9	6.2	B4/5000		
BM	(30°-60°)	4079.8	9.6	B3/5000		
BH	(60°-80°)	2355.9	5.6	B3/2500		G3/2500
BVH	(80°-90°)	191.0	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: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1
2.5°	11792.7	11748.1	11622.5	11293.2	10961.2	10623.5	10364.0	10040.3	9702.6	9521.3	9289.6
5°	11954.6	11904.4	11608.6	10866.3	10193.8	9487.8	8924.1	8430.2	8229.2	7933.5	7696.3
7.5°	11575.1	11552.8	11109.1	10043.1	9122.2	8198.6	7559.5	7163.3	6803.3	6669.3	6697.3
10°	11229.1	11139.8	10584.4	9192.0	8117.6	7367.0	6909.3	6521.4	6267.5	6200.5	6214.5
12.5°	10941.6	10821.6	10165.9	8619.9	7679.5	7079.6	6496.3	6091.7	5860.1	5924.3	6141.9
15°	10883.0	10721.2	9990.1	8424.6	7439.5	6666.6	6027.5	5561.5	5388.5	5528.0	5876.8
17.5°	11262.5	11058.8	10291.4	8488.8	7210.7	6245.2	5461.1	4928.1	4783.0	5006.2	5461.1
20°	12482.0	12180.6	11231.9	8859.9	7188.4	6035.9	5131.8	4596.0	4657.4	5081.5	5555.9
22.5°	14736.7	14284.7	12878.3	9401.3	7305.6	5982.9	5064.8	4785.7	5123.4	5483.4	5795.9
25°	15183.2	14828.8	13174.1	9524.1	7280.5	5946.6	5254.6	5394.1	5770.8	5949.4	5840.6
27.5°	15434.4	15029.8	13154.5	8915.7	6510.3	5394.1	5022.9	5254.6	5349.4	5176.4	4880.6
30°	16020.4	15599.0	13486.6	8276.7	5360.6	4001.6	3507.7	3412.8	3477.0	3510.5	3404.4
32.5°	16826.8	16411.1	14111.7	7858.1	4635.1	3309.6	2824.0	2690.1	2659.4	2623.1	2581.2
35°	17870.5	17231.5	14725.6	7590.2	4336.5	3061.2	2614.7	2511.5	2469.6	2419.4	2374.7
37.5°	18930.9	18261.2	15501.3	7308.4	4138.3	2888.2	2475.2	2427.8	2355.2	2302.2	2238.0
40°	20058.3	19307.6	16207.4	7062.8	3945.8	2776.6	2374.7	2369.2	2274.3	2212.9	2137.5
42.5°	21035.0	20262.0	16838.0	6912.1	3797.9	2659.4	2313.3	2330.1	2232.4	2140.3	2042.7
45°	21810.7	21051.7	17421.2	6912.1	3677.9	2542.2	2302.2	2291.0	2193.4	2078.9	1967.3
47.5°	22491.6	21707.5	17990.5	7087.9	3602.6	2444.5	2240.8	2260.3	2159.9	2014.8	1905.9
50°	23019.0	22327.0	18757.9	7361.4	3527.2	2366.4	2162.7	2268.7	2132.0	1981.3	1855.7
52.5°	23691.5	23072.0	19681.6	7735.3	3463.0	2279.9	2092.9	2268.7	2129.2	1984.1	1847.3
55°	24623.6	23970.6	20795.0	8045.1	3359.8	2198.9	2031.5	2204.5	2120.8	1970.1	1825.0
57.5°	25276.5	24788.2	21581.9	8251.6	3211.9	2095.7	1975.7	2143.1	2084.5	1917.1	1758.0
58°	25307.2	24830.1	21696.3	8299.0	3175.6	2076.1	1961.7	2115.2	2067.8	1894.8	1735.7
60°	24955.6	24545.4	21718.6	8232.0	2969.1	1978.5	1889.2	2000.8	1978.5	1763.6	1615.7
62.5°	23677.6	23239.5	20817.3	7687.9	2695.6	1858.5	1777.6	1847.3	1797.1	1579.4	1442.7
65°	21860.9	21054.5	18964.4	6834.0	2500.3	1730.1	1626.9	1632.5	1579.4	1423.2	1303.2
67.5°	19441.6	18540.2	16056.7	5759.6	2352.4	1587.8	1448.3	1434.3	1370.1	1269.7	1172.0
70°	16464.1	15847.4	13048.5	4685.3	2187.8	1431.5	1247.4	1239.0	1199.9	1124.6	1038.1
72.5°	13344.3	12560.1	10537.0	3750.5	1986.9	1280.8	1060.4	1077.1	1026.9	973.9	895.8
75°	9847.8	9334.3	8145.5	3008.2	1716.2	1116.2	884.6	890.2	867.9	812.0	750.7
77.5°	6485.2	6331.7	5826.6	1975.7	1319.9	887.4	722.7	728.3	711.6	661.4	597.2
80°	4364.4	4261.1	3948.6	1272.5	881.8	641.8	558.1	563.7	560.9	507.9	421.4
82.5°	2690.1	2645.4	2545.0	859.5	611.1	460.4	368.3	385.1	415.8	357.2	287.4
85°	1269.7	1272.5	1537.6	468.8	360.0	295.8	200.9	214.9	214.9	214.9	161.9
87.5°	164.6	173.0	212.1	198.1	131.2	111.6	72.6	61.4	53.0	69.8	50.2
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: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1
2.5°	9208.7	9152.9	9032.9	9005.0	8988.3	9035.7	8910.1	8943.6	8887.8	9044.1	9019.0
5°	7710.2	7715.8	7813.5	7877.6	7900.0	7877.6	7793.9	7648.8	7537.2	7492.6	7503.7
7.5°	6644.2	6741.9	6909.3	7096.3	7266.5	7316.7	7269.3	6993.0	6691.7	6501.9	6440.5
10°	6289.8	6421.0	6613.5	6761.4	6912.1	7032.1	7057.2	6842.4	6485.2	6035.9	5860.1
12.5°	6309.4	6488.0	6672.1	6719.6	6705.6	6753.1	6730.7	6694.5	6460.1	5888.0	5595.0
15°	6125.2	6337.3	6465.6	6440.5	6395.9	6354.0	6295.4	6203.3	6119.6	5717.8	5394.1
17.5°	5701.0	5918.7	6024.7	6033.1	6033.1	6021.9	5879.6	5846.1	5835.0	5639.6	5441.5
20°	5779.2	5899.2	5851.7	5773.6	5795.9	5871.3	5787.5	5770.8	5835.0	5921.5	5885.2
22.5°	5823.8	5782.0	5424.8	5078.8	5000.6	5235.0	5282.5	5469.4	5728.9	6041.5	6245.2
25°	5547.6	5209.9	4570.9	4180.2	3959.8	4177.4	4462.0	4808.1	5196.0	5597.8	5835.0
27.5°	4637.8	4381.1	3923.5	3571.9	3379.3	3412.8	3655.6	3970.9	4330.9	4601.6	4774.6
30°	3493.7	3379.3	3142.1	3022.1	2904.9	2877.0	2980.3	3100.3	3259.3	3292.8	3337.5
32.5°	2572.9	2556.1	2570.1	2531.0	2508.7	2505.9	2475.2	2503.1	2519.8	2539.4	2500.3
35°	2327.3	2305.0	2265.9	2254.7	2240.8	2246.4	2232.4	2218.5	2229.6	2246.4	2257.5
37.5°	2201.7	2168.2	2112.4	2092.9	2092.9	2101.3	2078.9	2073.4	2092.9	2145.9	2173.8
40°	2104.1	2065.0	2000.8	1975.7	1992.4	2014.8	1984.1	1972.9	2020.3	2076.1	2120.8
42.5°	2012.0	1981.3	1919.9	1892.0	1905.9	1947.8	1903.1	1894.8	1956.2	2017.5	2070.6
45°	1933.8	1903.1	1847.3	1833.4	1839.0	1878.0	1847.3	1847.3	1905.9	1972.9	2020.3
47.5°	1872.4	1833.4	1797.1	1785.9	1791.5	1813.8	1808.3	1808.3	1864.1	1933.8	1981.3
50°	1811.0	1777.6	1730.1	1735.7	1749.7	1780.4	1777.6	1785.9	1841.7	1928.3	1978.5
52.5°	1783.1	1732.9	1679.9	1685.5	1727.3	1763.6	1752.4	1760.8	1825.0	1986.9	2059.4
55°	1752.4	1685.5	1624.1	1632.5	1679.9	1732.9	1719.0	1730.1	1805.5	2025.9	2126.4
57.5°	1693.8	1615.7	1548.7	1554.3	1624.1	1679.9	1657.6	1671.5	1760.8	1984.1	2090.1
58°	1668.7	1601.8	1537.6	1540.4	1607.3	1668.7	1643.6	1654.8	1746.9	1972.9	2073.4
60°	1562.7	1523.6	1467.8	1470.6	1534.8	1587.8	1573.9	1585.0	1674.3	1892.0	1967.3
62.5°	1417.6	1395.3	1381.3	1381.3	1420.4	1470.6	1484.6	1498.5	1579.4	1710.6	1777.6
65°	1261.3	1261.3	1264.1	1264.1	1289.2	1353.4	1361.8	1398.1	1473.4	1537.6	1587.8
67.5°	1155.3	1149.7	1155.3	1141.3	1152.5	1191.6	1233.4	1266.9	1345.0	1389.7	1406.4
70°	1018.5	1015.8	1018.5	999.0	1013.0	1046.4	1074.4	1130.2	1211.1	1244.6	1252.9
72.5°	884.6	884.6	890.2	876.2	876.2	912.5	932.0	993.4	1068.8	1088.3	1091.1
75°	745.1	753.4	753.4	733.9	739.5	761.8	786.9	837.2	906.9	920.9	920.9
77.5°	591.6	622.3	622.3	602.8	611.1	613.9	647.4	672.5	725.5	731.1	708.8
80°	429.7	460.4	485.6	468.8	482.8	466.0	485.6	502.3	555.3	530.2	493.9
82.5°	307.0	329.3	348.8	351.6	337.7	307.0	332.1	334.9	360.0	326.5	307.0
85°	170.2	189.8	214.9	203.7	181.4	161.9	170.2	175.8	173.0	164.6	153.5
87.5°	44.6	47.4	53.0	39.1	36.3	30.7	41.9	41.9	47.4	50.2	47.4
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: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1
2.5°	9038.5	9161.3	9426.4	9627.3	9872.9	10171.5	10523.1	10877.5	11259.8	11379.7	11547.2
5°	7478.6	7785.6	7913.9	8279.5	8642.2	9186.4	9766.8	10439.3	11176.0	11530.4	11870.9
7.5°	6390.3	6554.9	6688.9	6956.8	7392.1	8053.4	8781.8	9621.7	10665.4	11181.6	11681.1
10°	5804.3	5821.0	5985.7	6317.7	6697.3	7280.5	7969.7	8910.1	10073.8	10701.7	11287.7
12.5°	5416.4	5343.8	5522.4	5868.5	6298.2	6836.8	7470.2	8366.0	9646.8	10291.4	11000.2
15°	5076.0	4961.5	5095.5	5449.9	5874.0	6507.5	7188.4	8137.2	9479.4	10230.1	11017.0
17.5°	5084.3	4769.0	4816.4	5115.0	5536.4	6181.0	7007.0	8128.8	9733.3	10598.4	11530.4
20°	5712.2	5207.1	4992.2	5048.1	5455.5	6158.7	7090.7	8519.5	10567.7	11829.0	12825.2
22.5°	6328.9	6024.7	5678.7	5564.3	5787.5	6524.2	7623.7	9443.1	12381.5	14281.9	16081.8
25°	6114.0	6373.6	6287.0	6125.2	6175.4	6786.5	7986.5	10202.1	13790.8	15931.1	17622.1
27.5°	4891.8	5363.4	5458.3	5455.5	5475.0	5977.3	7182.8	9691.5	13966.6	16246.4	17862.1
30°	3437.9	3479.8	3530.0	3627.7	3717.0	4166.2	5620.1	8508.3	13888.4	16388.7	18007.2
32.5°	2480.8	2536.6	2606.3	2740.3	2952.4	3524.4	4916.9	8131.6	14301.4	16977.5	18431.4
35°	2268.7	2332.9	2399.8	2553.3	2754.2	3284.4	4637.8	7975.3	14979.5	17931.9	19193.2
37.5°	2201.7	2274.3	2332.9	2444.5	2606.3	3111.4	4383.9	7869.3	15674.4	18942.1	20214.5
40°	2154.3	2238.0	2285.4	2374.7	2486.4	2952.4	4157.9	7785.6	16346.9	19865.7	21035.0
42.5°	2112.4	2198.9	2260.3	2324.5	2416.6	2810.1	3957.0	7701.8	16930.1	20761.5	21852.6
45°	2062.2	2171.0	2249.2	2299.4	2380.3	2690.1	3803.5	7634.9	17594.2	21556.8	22678.6
47.5°	2020.3	2140.3	2238.0	2296.6	2327.3	2606.3	3680.7	7727.0	18392.3	22388.4	23446.0
50°	2023.1	2137.5	2260.3	2352.4	2271.5	2536.6	3605.4	8092.5	19430.4	23376.2	24051.5
52.5°	2112.4	2252.0	2349.6	2371.9	2193.4	2452.9	3566.3	8731.5	20658.2	24249.6	24662.6
55°	2212.9	2358.0	2464.0	2450.1	2151.5	2346.8	3557.9	9412.4	22003.3	25268.2	25457.9
57.5°	2176.6	2388.7	2550.5	2478.0	2154.3	2243.6	3521.6	9962.2	23127.8	26030.0	26244.9
58°	2165.4	2377.5	2561.7	2472.4	2145.9	2212.9	3513.3	10009.6	23284.1	26083.0	26356.5
60°	2056.6	2279.9	2553.3	2430.5	2098.5	2129.2	3421.2	10163.1	23242.3	25809.5	26423.5
62.5°	1858.5	2042.7	2360.8	2226.8	1953.4	2017.5	3214.7	9973.3	22109.3	24492.4	25444.0
65°	1635.2	1772.0	1984.1	1958.9	1746.9	1903.1	2932.8	9222.7	19840.6	22354.9	23356.7
67.5°	1467.8	1579.4	1713.4	1677.1	1571.1	1749.7	2628.7	7953.0	17295.7	19787.6	21048.9
70°	1297.6	1384.1	1451.1	1426.0	1392.5	1599.0	2358.0	6454.5	14856.7	17348.7	18570.9
72.5°	1124.6	1205.5	1261.3	1225.0	1205.5	1439.9	2137.5	5009.0	11734.1	14312.6	15883.7
75°	940.4	1021.3	1060.4	1018.5	1007.4	1269.7	1811.0	3742.1	8804.1	11033.7	12389.9
77.5°	728.3	814.8	865.1	851.1	856.7	1043.7	1462.2	2561.7	6295.4	7520.5	8949.2
80°	510.7	605.5	639.0	625.1	664.1	795.3	1032.5	1626.9	4342.1	4880.6	5888.0
82.5°	315.3	404.6	410.2	424.2	452.1	588.8	778.6	990.6	2726.3	2818.4	3549.5
85°	159.1	192.5	206.5	228.8	253.9	360.0	443.7	613.9	1755.2	1328.3	1984.1
87.5°	53.0	55.8	67.0	83.7	103.2	147.9	189.8	251.1	435.3	240.0	613.9
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: P456498

CATALOG NUMBER: GLAN-SA7D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1	10615.1
2.5°	11884.8	12122.0	12295.0	12454.1	12300.6	12286.7	12136.0	11893.2	11792.7	11792.7
5°	12585.3	13140.6	13589.8	13877.3	13754.5	13458.7	12970.3	12348.1	12013.2	11954.6
7.5°	12777.8	13874.5	14708.8	15004.6	14798.1	14145.2	13210.3	12161.1	11681.1	11575.1
10°	12660.6	14086.6	15311.6	15780.4	15493.0	14505.1	13229.9	11943.4	11351.8	11229.1
12.5°	12537.8	14114.5	15423.2	16101.3	15914.3	14795.3	13372.2	11801.1	11117.4	10941.6
15°	12627.1	14125.6	15286.5	15986.9	16106.9	15144.2	13606.6	11904.4	11070.0	10883.0
17.5°	13190.8	14337.7	15091.1	15657.6	16079.0	15618.6	14273.5	12398.3	11494.2	11262.5
20°	14368.4	14845.6	15202.8	15640.9	16319.0	16586.9	15638.1	13754.5	12685.7	12482.0
22.5°	17778.4	17691.9	16960.8	16952.4	17934.7	19009.0	18944.9	16511.5	14904.2	14736.7
25°	19056.5	18654.6	17597.0	17340.3	17772.8	19430.4	19190.4	17075.2	15590.6	15183.2
27.5°	18557.0	17560.8	16865.9	16807.3	16665.0	18230.5	18808.1	17304.0	15830.6	15434.4
30°	18526.3	17061.3	16067.8	16185.0	16321.8	17817.5	19020.2	18021.2	16444.5	16020.4
32.5°	18601.6	17131.0	16126.4	16148.8	16556.2	17878.9	19254.6	18802.5	17251.0	16826.8
35°	18905.8	17527.3	16500.4	16447.3	17083.6	18280.7	19653.6	20030.4	18353.3	17870.5
37.5°	19396.9	18317.0	17184.0	17170.1	18093.7	19006.2	20150.4	21269.4	19449.9	18930.9
40°	20119.7	19240.6	18400.7	18325.4	19466.7	20186.6	20795.0	22589.3	20725.2	20058.3
42.5°	20993.1	20348.5	20005.3	20303.8	21400.5	21512.1	21799.6	23808.7	21810.7	21035.0
45°	21802.3	21771.7	22248.8	23041.3	23680.4	23010.6	22848.8	24626.4	22653.5	21810.7
47.5°	22765.1	23596.7	25036.6	26197.4	26867.1	24754.7	23744.6	25159.3	23267.4	22491.6
50°	23741.8	25781.6	28081.0	29699.5	29841.8	26649.5	24361.3	25661.6	23825.5	23019.0
52.5°	24768.7	27525.7	30586.9	32467.7	32191.5	28298.7	24958.4	26002.1	24400.3	23691.5
55°	25661.6	28594.5	31987.8	33793.2	33388.6	29303.3	25603.0	26370.4	25220.7	24623.6
57.5°	26161.1	28683.8	31638.9	33215.6	32777.5	29107.9	25898.8	26643.9	25745.4	25276.5
58°	26233.7	28563.8	31329.2	32880.7	32434.2	28943.3	25896.0	26632.7	25778.8	25307.2
60°	26169.5	27785.2	30176.7	31558.0	31089.2	27910.8	25790.0	26423.5	25354.7	24955.6
62.5°	25575.1	26434.6	28187.1	29191.7	29057.7	26297.9	25354.7	25633.7	24062.7	23677.6
65°	24793.8	24592.9	25639.3	26350.9	26451.4	25089.6	24922.2	23925.9	22405.1	21860.9
67.5°	23845.0	22505.6	22502.8	22907.4	23074.8	23231.1	24020.8	22070.2	20016.4	19441.6
70°	22234.9	19288.1	18400.7	18877.9	18738.4	20058.3	22410.7	19463.9	17136.6	16464.1
72.5°	19282.5	15306.0	13885.6	14499.6	14147.9	15730.2	19609.0	16017.6	14170.3	13344.3
75°	15629.7	11449.5	9984.5	10548.2	10330.5	11932.3	16316.2	11633.7	10163.1	9847.8
77.5°	12136.0	8296.2	7445.1	7367.0	7528.8	8879.4	11968.5	7855.3	6700.0	6485.2
80°	7796.7	5938.2	5988.5	5888.0	5971.7	5597.8	7266.5	5011.8	4537.4	4364.4
82.5°	5131.8	4138.3	4933.6	4554.1	4325.3	3764.4	4766.2	3281.7	2784.9	2690.1
85°	3496.5	3047.3	2773.8	2120.8	2497.5	2899.4	3574.7	1766.4	1400.8	1269.7
87.5°	1579.4	1060.4	778.6	480.0	759.0	876.2	1735.7	206.5	159.1	164.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)