

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: P458354

Luminaire Tested: **GLAN-SA9D-730-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458354
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-SA9D-730-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 55054 lumens
Efficiency: N/A
Efficacy: 99.7 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): 552
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



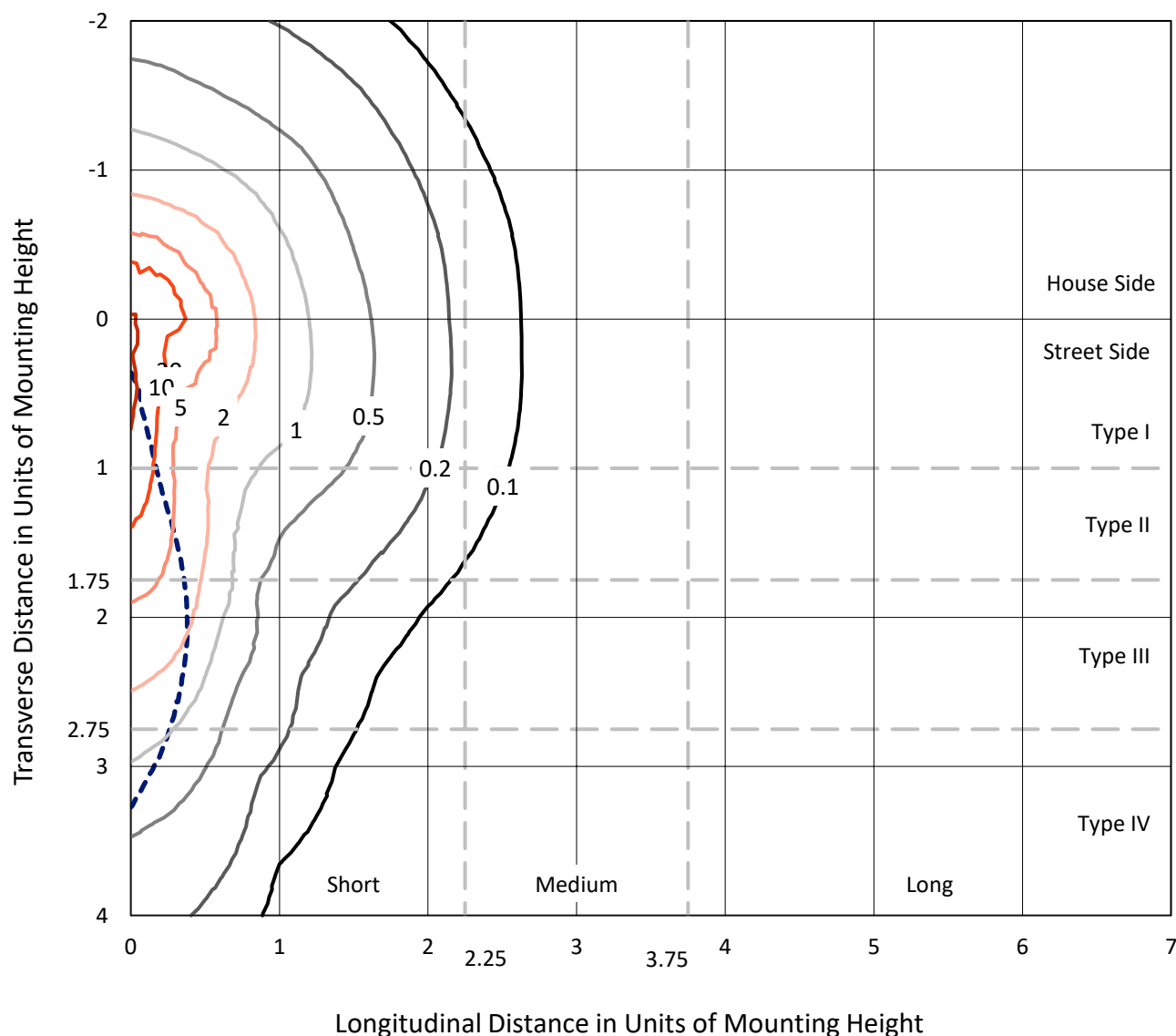
REPORT NUMBER: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



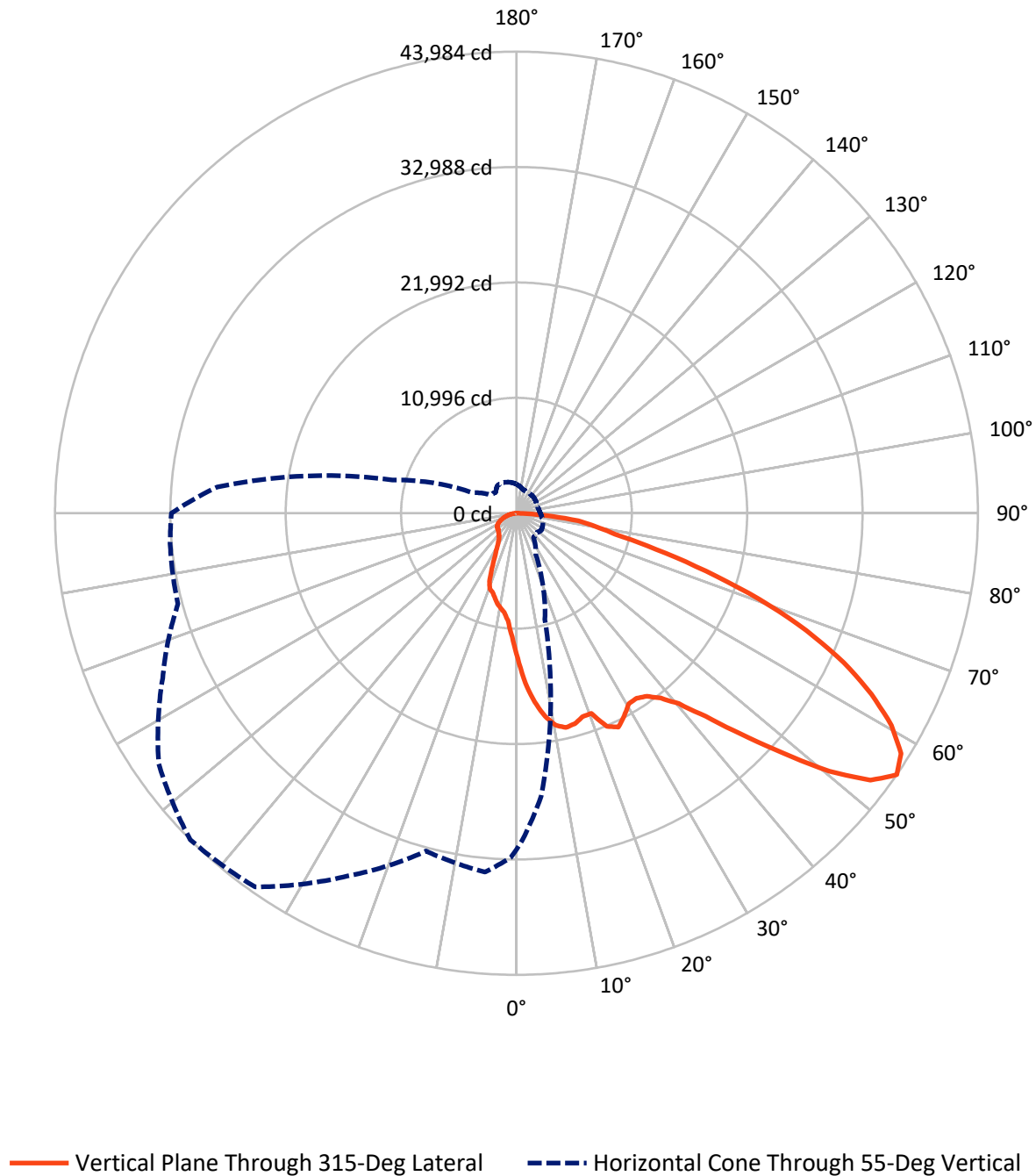
Based on 25 foot mounting height. Maximum calculated value = 23.7 fc

Type IV - Short - N/A

REPORT NUMBER: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

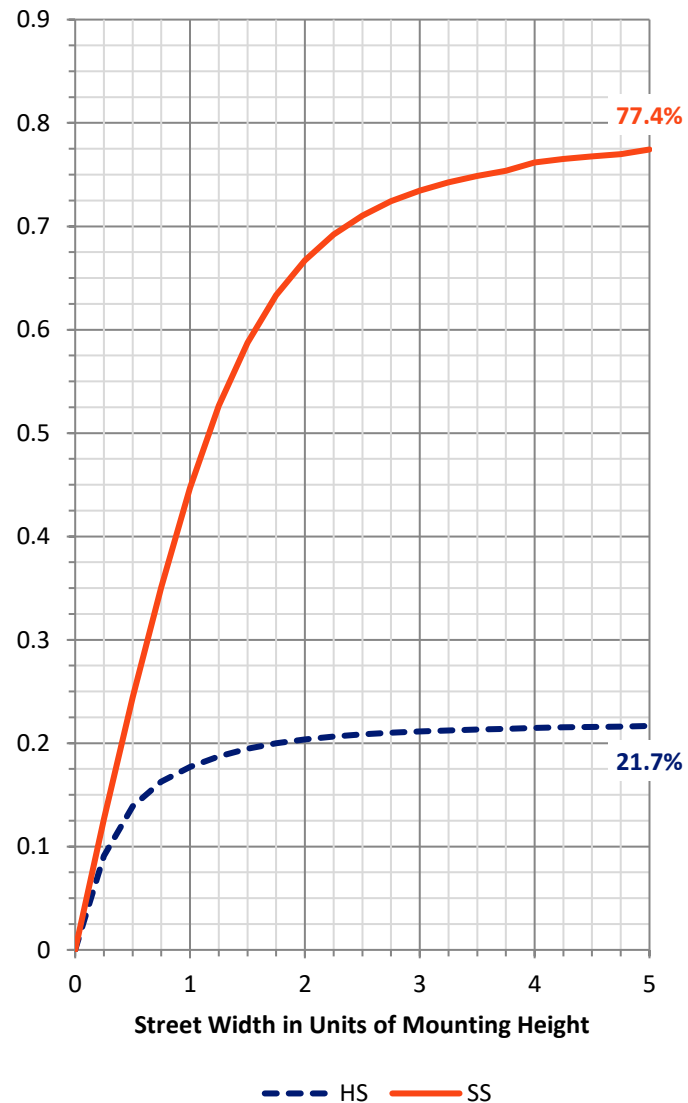
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12042.8	0.0	12042.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	43011.2	0.0	43011.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	55054.0	0.0	55054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1171.0	2.1
10°-20°	3106.6	5.6
20°-30°	5366.9	9.7
30°-40°	6237.1	11.3
40°-50°	8702.1	15.8
50°-60°	11807.8	21.4
60°-70°	11233.7	20.4
70°-80°	6068.7	11.0
80°-90°	1360.1	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°	55054.0	100.0
0°-180°	55054.0	100.0

Coefficient of Utilization



REPORT NUMBER: P458354

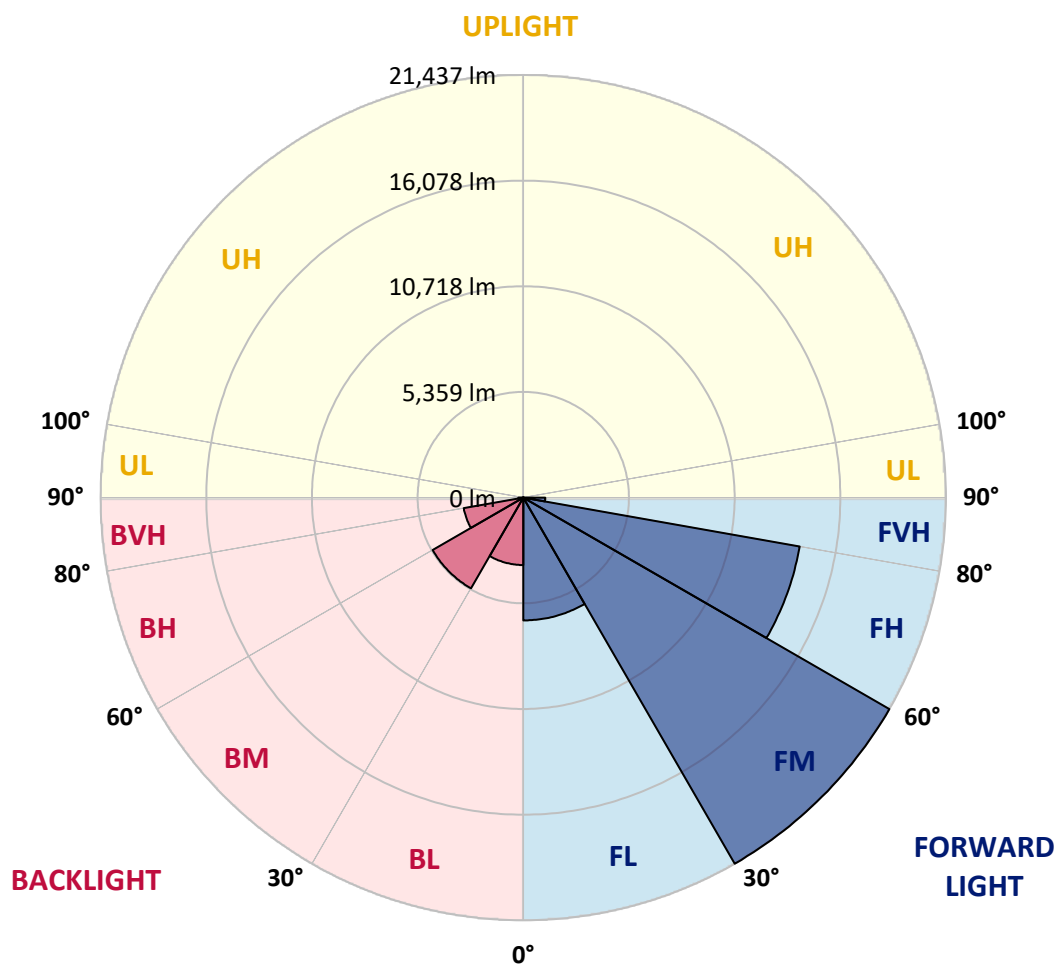
CATALOG NUMBER: GLAN-SA9D-730-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6226.7	11.3			
FM	(30°-60°)	21436.9	38.9			
FH	(60°-80°)	14236.0	25.9			G5
FVH	(80°-90°)	1111.6	2.0			G5
BL	(0°-30°)	3417.8	6.2	B4/5000		
BM	(30°-60°)	5310.1	9.6	B4/8500		
BH	(60°-80°)	3066.4	5.6	B4/5000		G4/5000
BVH	(80°-90°)	248.5	0.5			G3/500
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: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4
2.5°	15349.1	15291.0	15127.6	14699.0	14266.8	13827.3	13489.5	13068.2	12628.7	12392.6	12091.2
5°	15559.8	15494.4	15109.4	14143.3	13268.0	12349.0	11615.4	10972.5	10711.0	10326.0	10017.3
7.5°	15065.8	15036.8	14459.3	13071.8	11873.2	10671.0	9839.3	9323.5	8855.0	8680.7	8717.0
10°	14615.5	14499.2	13776.5	11964.0	10565.7	9588.7	8993.0	8488.2	8157.6	8070.5	8088.6
12.5°	14241.4	14085.2	13231.6	11219.5	9995.5	9214.6	8455.5	7928.8	7627.4	7710.9	7994.2
15°	14165.1	13954.4	13002.8	10965.2	9683.1	8677.0	7845.3	7238.7	7013.5	7195.1	7649.1
17.5°	14659.0	14393.9	13395.1	11048.8	9385.3	8128.6	7108.0	6414.2	6225.4	6515.9	7108.0
20°	16246.3	15854.0	14619.1	11531.8	9356.2	7856.2	6679.4	5982.0	6061.9	6614.0	7231.5
22.5°	19181.0	18592.6	16762.0	12236.5	9508.8	7787.2	6592.2	6229.0	6668.5	7137.0	7543.8
25°	19762.1	19300.8	17147.0	12396.3	9476.1	7739.9	6839.2	7020.8	7511.1	7743.6	7601.9
27.5°	20089.0	19562.3	17121.6	11604.5	8473.6	7020.8	6537.7	6839.2	6962.7	6737.5	6352.5
30°	20851.7	20303.3	17553.8	10772.7	6977.2	5208.4	4565.5	4442.0	4525.6	4569.1	4431.1
32.5°	21901.4	21360.2	18367.4	10227.9	6032.9	4307.6	3675.7	3501.3	3461.4	3414.1	3359.7
35°	23259.8	22428.0	19166.4	9879.2	5644.2	3984.4	3403.3	3268.9	3214.4	3149.0	3090.9
37.5°	24640.0	23768.3	20176.2	9512.4	5386.4	3759.2	3221.6	3159.9	3065.5	2996.5	2912.9
40°	26107.3	25130.3	21095.1	9192.8	5135.8	3613.9	3090.9	3083.6	2960.1	2880.2	2782.2
42.5°	27378.6	26372.5	21915.9	8996.6	4943.3	3461.4	3011.0	3032.8	2905.7	2785.8	2658.7
45°	28388.3	27400.4	22675.0	8996.6	4787.1	3308.8	2996.5	2981.9	2854.8	2705.9	2560.6
47.5°	29274.5	28253.9	23416.0	9225.5	4689.0	3181.7	2916.6	2942.0	2811.2	2622.4	2480.7
50°	29961.0	29060.2	24414.8	9581.4	4590.9	3080.0	2814.9	2952.9	2774.9	2578.8	2415.3
52.5°	30836.3	30030.0	25617.0	10068.1	4507.4	2967.4	2724.1	2952.9	2771.3	2582.4	2404.4
55°	32049.4	31199.5	27066.2	10471.3	4373.0	2862.1	2644.1	2869.3	2760.4	2564.2	2375.4
57.5°	32899.3	32263.7	28090.4	10740.0	4180.5	2727.7	2571.5	2789.4	2713.2	2495.2	2288.2
58°	32939.3	32318.2	28239.4	10801.8	4133.3	2702.3	2553.3	2753.1	2691.4	2466.2	2259.1
60°	32481.6	31947.7	28268.4	10714.6	3864.5	2575.1	2458.9	2604.2	2575.1	2295.5	2103.0
62.5°	30818.1	30247.9	27095.3	10006.4	3508.6	2419.0	2313.6	2404.4	2339.1	2055.8	1877.8
65°	28453.7	27404.0	24683.6	8894.9	3254.3	2251.9	2117.5	2124.8	2055.8	1852.4	1696.2
67.5°	25304.6	24131.5	20898.9	7496.6	3061.8	2066.6	1885.0	1866.9	1783.3	1652.6	1525.5
70°	21429.2	20626.5	16983.6	6098.2	2847.5	1863.3	1623.5	1612.6	1561.8	1463.7	1351.1
72.5°	17368.6	16348.0	13714.7	4881.5	2586.0	1667.1	1380.2	1402.0	1336.6	1267.6	1165.9
75°	12817.6	12149.3	10602.0	3915.4	2233.7	1452.8	1151.4	1158.6	1129.6	1056.9	977.0
77.5°	8440.9	8241.2	7583.8	2571.5	1718.0	1155.0	940.7	948.0	926.2	860.8	777.3
80°	5680.6	5546.2	5139.4	1656.2	1147.7	835.4	726.4	733.7	730.0	661.0	548.4
82.5°	3501.3	3443.2	3312.5	1118.7	795.4	599.3	479.4	501.2	541.2	464.9	374.1
85°	1652.6	1656.2	2001.3	610.2	468.5	385.0	261.5	279.7	279.7	279.7	210.7
87.5°	214.3	225.2	276.0	257.9	170.7	145.3	94.4	79.9	69.0	90.8	65.4
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: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4
2.5°	11985.8	11913.2	11757.0	11720.7	11698.9	11760.7	11597.2	11640.8	11568.2	11771.5	11738.9
5°	10035.4	10042.7	10169.8	10253.3	10282.4	10253.3	10144.4	9955.5	9810.2	9752.1	9766.6
7.5°	8648.0	8775.1	8993.0	9236.4	9457.9	9523.3	9461.5	9102.0	8709.7	8462.7	8382.8
10°	8186.7	8357.4	8608.0	8800.5	8996.6	9152.8	9185.5	8905.8	8440.9	7856.2	7627.4
12.5°	8212.1	8444.6	8684.3	8746.0	8727.9	8789.6	8760.6	8713.3	8408.2	7663.7	7282.3
15°	7972.4	8248.4	8415.5	8382.8	8324.7	8270.2	8194.0	8074.1	7965.1	7442.1	7020.8
17.5°	7420.3	7703.6	7841.6	7852.5	7852.5	7838.0	7652.8	7609.2	7594.7	7340.4	7082.5
20°	7522.0	7678.2	7616.5	7514.8	7543.8	7641.9	7532.9	7511.1	7594.7	7707.3	7660.0
22.5°	7580.1	7525.7	7060.7	6610.4	6508.7	6813.8	6875.5	7118.9	7456.6	7863.4	8128.6
25°	7220.6	6781.1	5949.3	5440.8	5153.9	5437.2	5807.7	6258.1	6762.9	7285.9	7594.7
27.5°	6036.5	5702.4	5106.7	4649.1	4398.4	4442.0	4758.0	5168.4	5637.0	5989.3	6214.5
30°	4547.4	4398.4	4089.7	3933.5	3781.0	3744.7	3879.1	4035.2	4242.3	4285.8	4344.0
32.5°	3348.8	3327.0	3345.1	3294.3	3265.2	3261.6	3221.6	3258.0	3279.8	3305.2	3254.3
35°	3029.1	3000.1	2949.2	2934.7	2916.6	2923.8	2905.7	2887.5	2902.0	2923.8	2938.3
37.5°	2865.7	2822.1	2749.5	2724.1	2724.1	2735.0	2705.9	2698.6	2724.1	2793.1	2829.4
40°	2738.6	2687.7	2604.2	2571.5	2593.3	2622.4	2582.4	2567.9	2629.6	2702.3	2760.4
42.5°	2618.7	2578.8	2498.9	2462.5	2480.7	2535.2	2477.1	2466.2	2546.1	2626.0	2695.0
45°	2517.0	2477.1	2404.4	2386.3	2393.5	2444.4	2404.4	2404.4	2480.7	2567.9	2629.6
47.5°	2437.1	2386.3	2339.1	2324.5	2331.8	2360.8	2353.6	2353.6	2426.2	2517.0	2578.8
50°	2357.2	2313.6	2251.9	2259.1	2277.3	2317.3	2313.6	2324.5	2397.2	2509.8	2575.1
52.5°	2320.9	2255.5	2186.5	2193.8	2248.3	2295.5	2280.9	2291.8	2375.4	2586.0	2680.5
55°	2280.9	2193.8	2113.9	2124.8	2186.5	2255.5	2237.4	2251.9	2350.0	2636.9	2767.6
57.5°	2204.7	2103.0	2015.8	2023.1	2113.9	2186.5	2157.5	2175.6	2291.8	2582.4	2720.4
58°	2172.0	2084.8	2001.3	2004.9	2092.1	2172.0	2139.3	2153.8	2273.7	2567.9	2698.6
60°	2034.0	1983.1	1910.5	1914.1	1997.6	2066.6	2048.5	2063.0	2179.2	2462.5	2560.6
62.5°	1845.1	1816.0	1797.9	1797.9	1848.7	1914.1	1932.3	1950.4	2055.8	2226.5	2313.6
65°	1641.7	1641.7	1645.3	1645.3	1678.0	1761.6	1772.5	1819.7	1917.7	2001.3	2066.6
67.5°	1503.7	1496.4	1503.7	1485.5	1500.0	1550.9	1605.4	1649.0	1750.7	1808.8	1830.6
70°	1325.7	1322.1	1325.7	1300.3	1318.4	1362.0	1398.3	1471.0	1576.3	1619.9	1630.8
72.5°	1151.4	1151.4	1158.6	1140.5	1140.5	1187.7	1213.1	1293.0	1391.1	1416.5	1420.1
75°	969.8	980.7	980.7	955.2	962.5	991.6	1024.2	1089.6	1180.4	1198.6	1198.6
77.5°	770.0	810.0	810.0	784.5	795.4	799.1	842.6	875.3	944.3	951.6	922.5
80°	559.3	599.3	632.0	610.2	628.3	606.6	632.0	653.8	722.8	690.1	642.9
82.5°	399.5	428.6	454.0	457.6	439.5	399.5	432.2	435.8	468.5	425.0	399.5
85°	221.6	247.0	279.7	265.1	236.1	210.7	221.6	228.8	225.2	214.3	199.8
87.5°	58.1	61.7	69.0	50.8	47.2	40.0	54.5	54.5	61.7	65.4	61.7
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: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4
2.5°	11764.3	11924.1	12269.1	12530.6	12850.3	13238.9	13696.5	14157.8	14655.4	14811.6	15029.5
5°	9734.0	10133.5	10300.6	10776.4	11248.5	11956.8	12712.3	13587.6	14546.4	15007.7	15450.8
7.5°	8317.4	8531.7	8706.1	9054.8	9621.4	10482.2	11430.1	12523.4	13881.8	14553.7	15203.9
10°	7554.7	7576.5	7790.8	8223.0	8717.0	9476.1	10373.2	11597.2	13111.8	13929.0	14691.7
12.5°	7049.9	6955.4	7187.9	7638.2	8197.6	8898.6	9723.1	10889.0	12556.1	13395.1	14317.6
15°	6606.7	6457.8	6632.2	7093.4	7645.5	8470.0	9356.2	10591.1	12338.1	13315.2	14339.4
17.5°	6617.6	6207.2	6269.0	6657.6	7206.0	8045.0	9120.1	10580.2	12668.7	13794.6	15007.7
20°	7434.9	6777.4	6497.8	6570.4	7100.7	8016.0	9229.1	11088.7	13754.7	15396.4	16693.0
22.5°	8237.5	7841.6	7391.3	7242.4	7532.9	8491.8	9922.8	12290.9	16115.5	18588.9	20931.6
25°	7957.9	8295.7	8183.1	7972.4	8037.8	8833.2	10395.0	13278.9	17949.7	20735.5	22936.5
27.5°	6367.0	6980.8	7104.3	7100.7	7126.1	7779.9	9349.0	12614.2	18178.5	21145.9	23248.9
30°	4474.7	4529.2	4594.6	4721.7	4837.9	5422.7	7315.0	11074.2	18076.8	21331.2	23437.8
32.5°	3228.9	3301.6	3392.4	3566.7	3842.7	4587.3	6399.7	10583.9	18614.4	22097.5	23989.8
35°	2952.9	3036.4	3123.6	3323.3	3584.9	4274.9	6036.5	10380.5	19497.0	23339.7	24981.4
37.5°	2865.7	2960.1	3036.4	3181.7	3392.4	4049.8	5706.0	10242.4	20401.4	24654.5	26310.7
40°	2804.0	2912.9	2974.7	3090.9	3236.2	3842.7	5411.8	10133.5	21276.7	25856.7	27378.6
42.5°	2749.5	2862.1	2942.0	3025.5	3145.4	3657.5	5150.3	10024.5	22035.8	27022.6	28442.8
45°	2684.1	2825.8	2927.5	2992.8	3098.2	3501.3	4950.5	9937.4	22900.2	28057.8	29517.9
47.5°	2629.6	2785.8	2912.9	2989.2	3029.1	3392.4	4790.7	10057.2	23939.0	29140.1	30516.7
50°	2633.3	2782.2	2942.0	3061.8	2956.5	3301.6	4692.6	10533.0	25290.1	30425.9	31304.8
52.5°	2749.5	2931.1	3058.2	3087.3	2854.8	3192.6	4641.8	11364.8	26888.2	31562.7	32100.3
55°	2880.2	3069.1	3207.1	3189.0	2800.3	3054.6	4630.9	12251.0	28638.9	32888.4	33135.4
57.5°	2833.0	3109.1	3319.7	3225.3	2804.0	2920.2	4583.7	12966.5	30102.6	33880.0	34159.6
58°	2818.5	3094.5	3334.2	3218.0	2793.1	2880.2	4572.8	13028.2	30306.0	33949.0	34304.9
60°	2676.8	2967.4	3323.3	3163.5	2731.3	2771.3	4452.9	13228.0	30251.5	33593.0	34392.1
62.5°	2419.0	2658.7	3072.7	2898.4	2542.5	2626.0	4184.1	12981.0	28776.9	31878.7	33117.2
65°	2128.4	2306.4	2582.4	2549.7	2273.7	2477.1	3817.3	12004.0	25824.0	29096.5	30400.4
67.5°	1910.5	2055.8	2230.1	2182.9	2044.9	2277.3	3421.4	10351.4	22511.6	25755.0	27396.7
70°	1688.9	1801.5	1888.7	1856.0	1812.4	2081.2	3069.1	8401.0	19337.2	22580.6	24171.4
72.5°	1463.7	1569.1	1641.7	1594.5	1569.1	1874.1	2782.2	6519.6	15272.9	18628.9	20673.8
75°	1224.0	1329.3	1380.2	1325.7	1311.2	1652.6	2357.2	4870.6	11459.2	14361.2	16126.4
77.5°	948.0	1060.6	1125.9	1107.8	1115.0	1358.4	1903.2	3334.2	8194.0	9788.4	11648.1
80°	664.7	788.2	831.7	813.6	864.4	1035.1	1343.9	2117.5	5651.5	6352.5	7663.7
82.5°	410.4	526.7	533.9	552.1	588.4	766.4	1013.3	1289.4	3548.5	3668.4	4620.0
85°	207.0	250.6	268.8	297.8	330.5	468.5	577.5	799.1	2284.6	1728.9	2582.4
87.5°	69.0	72.6	87.2	109.0	134.4	192.5	247.0	326.9	566.6	312.4	799.1
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: P458354

CATALOG NUMBER: GLAN-SA9D-730-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4	13816.4
2.5°	15469.0	15777.7	16002.9	16209.9	16010.2	15992.0	15795.9	15479.9	15349.1	15349.1
5°	16380.6	17103.4	17688.2	18062.3	17902.5	17517.5	16881.9	16071.9	15636.1	15559.8
7.5°	16631.3	18058.7	19144.7	19529.7	19260.9	18411.0	17194.2	15828.6	15203.9	15065.8
10°	16478.7	18334.7	19929.2	20539.4	20165.3	18879.5	17219.7	15545.3	14775.3	14615.5
12.5°	16318.9	18371.0	20074.5	20957.1	20713.7	19257.2	17404.9	15360.0	14470.2	14241.4
15°	16435.1	18385.6	19896.5	20808.1	20964.3	19711.3	17710.0	15494.4	14408.4	14165.1
17.5°	17168.8	18661.6	19642.2	20379.6	20928.0	20328.7	18578.1	16137.3	14960.5	14659.0
20°	18701.5	19322.6	19787.5	20357.8	21240.4	21589.0	20354.1	17902.5	16511.4	16246.3
22.5°	23139.9	23027.3	22075.7	22064.8	23343.3	24741.7	24658.1	21491.0	19398.9	19181.0
25°	24803.4	24280.4	22903.8	22569.7	23132.7	25290.1	24977.8	22224.7	20292.4	19762.1
27.5°	24153.3	22856.6	21952.2	21876.0	21690.7	23728.3	24480.2	22522.5	20604.7	20089.0
30°	24113.3	22206.5	20913.5	21066.0	21244.0	23190.8	24756.2	23455.9	21403.8	20851.7
32.5°	24211.4	22297.3	20989.7	21018.8	21549.1	23270.7	25061.3	24472.9	22453.5	21901.4
35°	24607.3	22813.0	21476.4	21407.4	22235.5	23793.7	25580.7	26071.0	23888.1	23259.8
37.5°	25246.5	23840.9	22366.3	22348.1	23550.4	24738.0	26227.2	27683.7	25315.5	24640.0
40°	26187.2	25043.1	23949.9	23851.8	25337.3	26274.4	27066.2	29401.6	26975.4	26107.3
42.5°	27324.1	26485.1	26038.3	26427.0	27854.4	27999.6	28373.7	30988.8	28388.3	27378.6
45°	28377.4	28337.4	28958.5	29990.0	30821.8	29950.1	29739.4	32053.0	29485.2	28388.3
47.5°	29630.4	30712.8	32587.0	34097.9	34969.6	32220.1	30905.3	32746.8	30284.2	29274.5
50°	30901.7	33556.7	36549.5	38656.1	38841.4	34686.3	31708.0	33400.5	31010.6	29961.0
52.5°	32238.3	35826.8	39811.1	42259.2	41899.6	36832.8	32485.3	33843.7	31758.8	30836.3
55°	33400.5	37217.8	41634.4	43984.4	43457.7	38140.4	33324.3	34323.1	32826.7	32049.4
57.5°	34050.7	37334.1	41180.4	43232.6	42662.3	37886.1	33709.3	34679.0	33509.5	32899.3
58°	34145.1	37177.9	40777.3	42796.7	42215.6	37671.9	33705.6	34664.5	33553.1	32939.3
60°	34061.6	36164.5	39277.2	41075.1	40464.9	36328.0	33567.6	34392.1	33001.0	32481.6
62.5°	33287.9	34406.6	36687.6	37995.1	37820.8	34228.7	33001.0	33364.2	31319.4	30818.1
65°	32271.0	32009.5	33371.5	34297.7	34428.4	32656.0	32438.0	31141.4	29161.9	28453.7
67.5°	31036.1	29292.7	29289.0	29815.7	30033.6	30237.0	31264.9	28726.1	26052.9	25304.6
70°	28940.4	25104.9	23949.9	24571.0	24389.4	26107.3	29169.2	25333.7	22304.6	21429.2
72.5°	25097.6	19921.9	18073.2	18872.2	18414.6	20474.0	25522.6	20848.1	18443.7	17368.6
75°	20343.2	14902.4	12995.6	13729.2	13445.9	15530.7	21236.7	15142.1	13228.0	12817.6
77.5°	15795.9	10798.2	9690.4	9588.7	9799.3	11557.3	15578.0	10224.3	8720.6	8440.9
80°	10148.0	7729.1	7794.4	7663.7	7772.6	7285.9	9457.9	6523.2	5905.7	5680.6
82.5°	6679.4	5386.4	6421.5	5927.5	5629.7	4899.7	6203.6	4271.3	3624.8	3501.3
85°	4551.0	3966.2	3610.3	2760.4	3250.7	3773.7	4652.7	2299.1	1823.3	1652.6
87.5°	2055.8	1380.2	1013.3	624.7	987.9	1140.5	2259.1	268.8	207.0	214.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)