

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: P653495

Luminaire Tested: **GLAN-SA7D-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653495
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-SA7D-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH 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: 33748.5 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

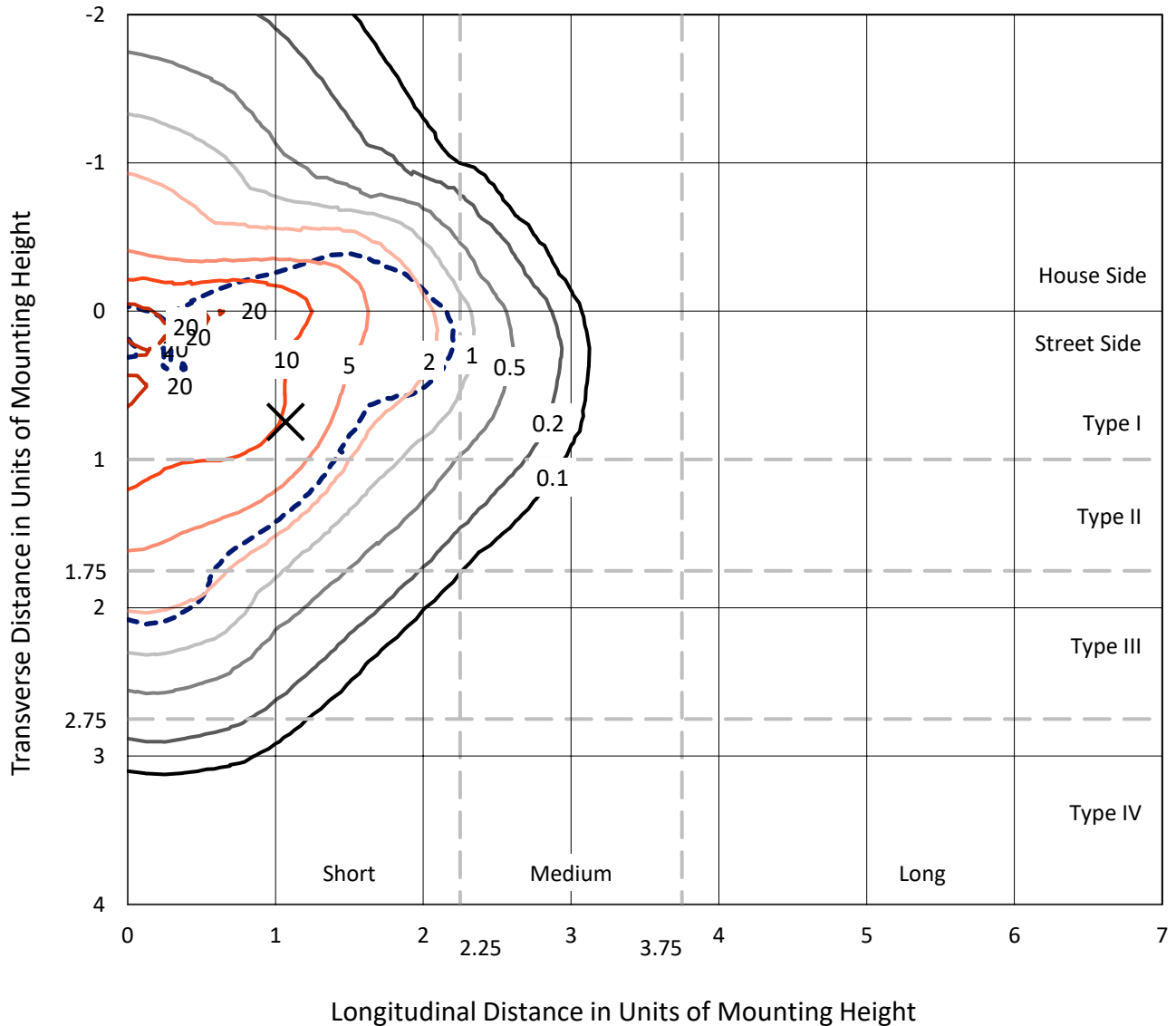
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P653495
 CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

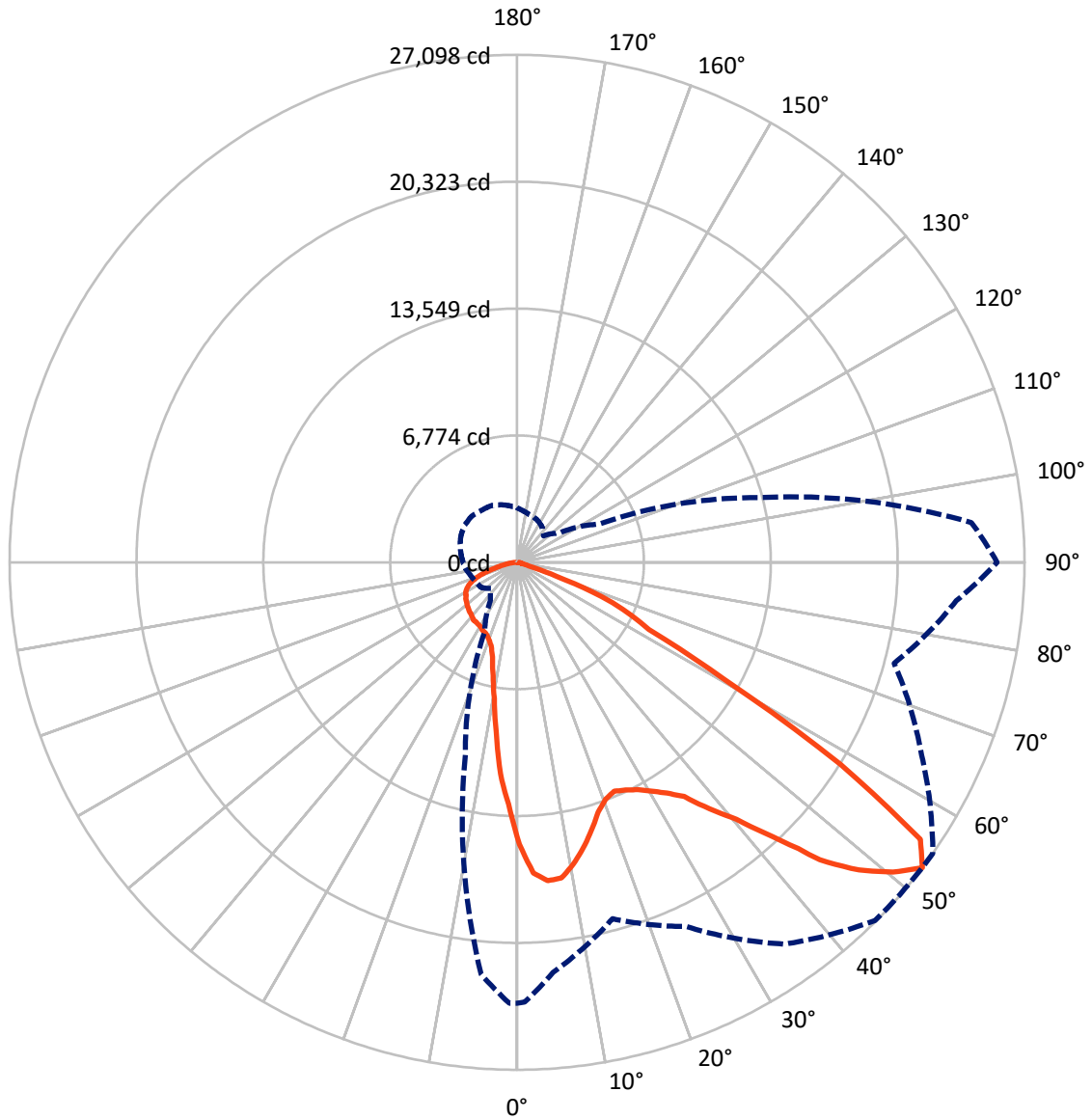
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.6 fc
 Type II - Short - N/A

REPORT NUMBER: P653495
CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P653495
 CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

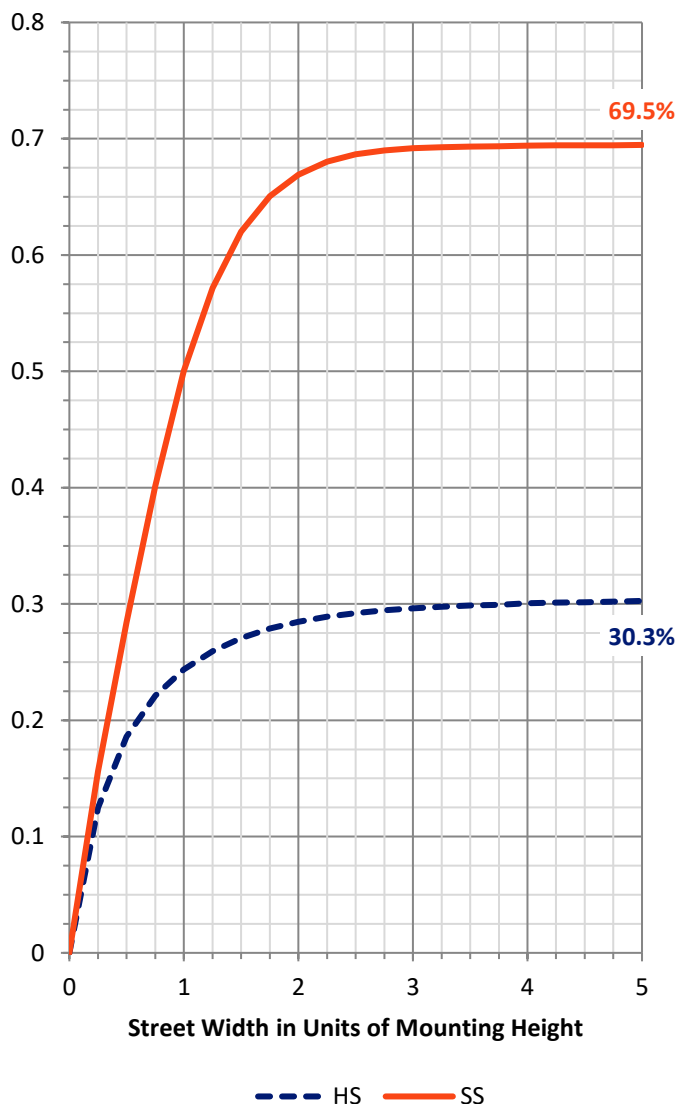
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10295.1	0.0	10295.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	23453.4	0.0	23453.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	33748.5	0.0	33748.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1150.1	3.4
10°-20°	2479.8	7.3
20°-30°	3760.2	11.1
30°-40°	5433.0	16.1
40°-50°	7259.9	21.5
50°-60°	8103.7	24.0
60°-70°	4445.2	13.2
70°-80°	961.1	2.8
80°-90°	155.5	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°	33748.5	100.0
0°-180°	33748.5	100.0

Coefficient of Utilization

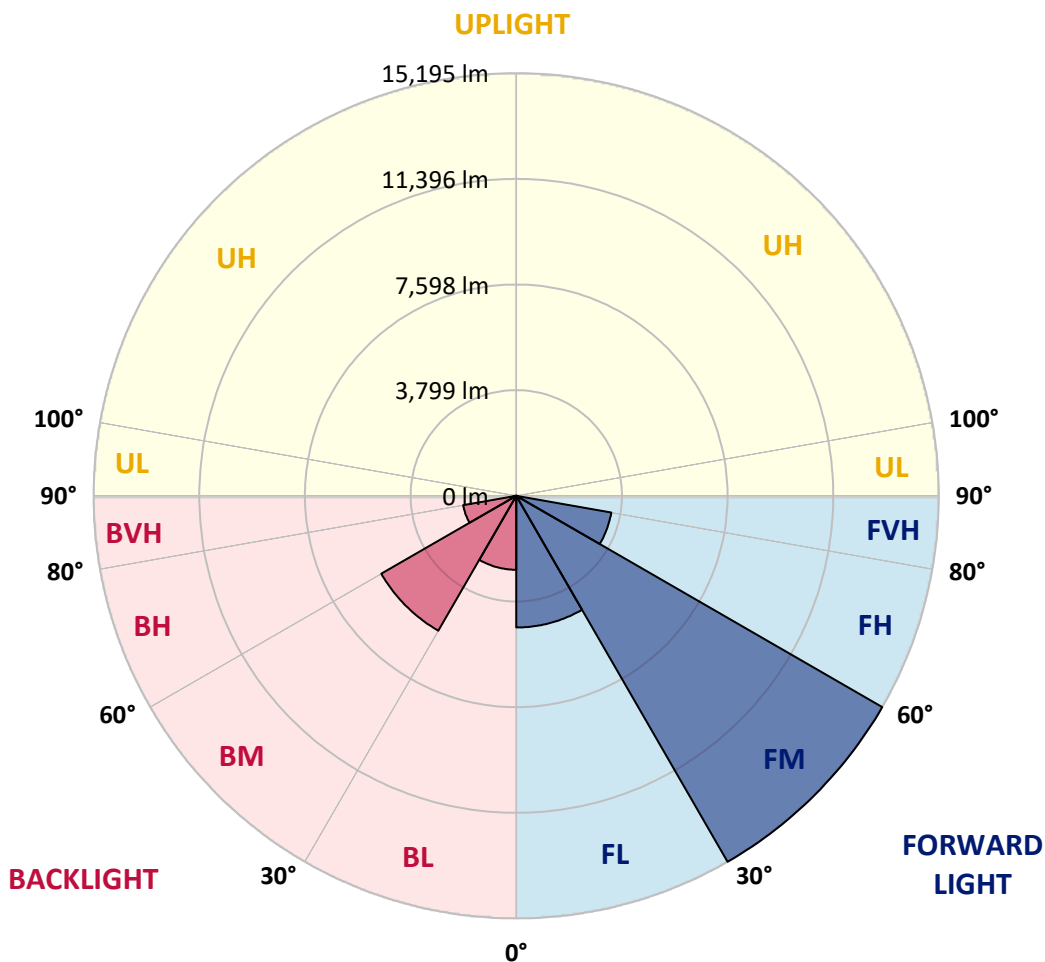


REPORT NUMBER: P653495
 CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4732.2	14.0			
FM (30°-60°)	15195.2	45.0			
FH (60°-80°)	3468.5	10.3			G2/5000
FVH (80°-90°)	57.6	0.2			G1/100
BL (0°-30°)	2658.1	7.9	B4/5000		
BM (30°-60°)	5601.4	16.6	B4/8500		
BH (60°-80°)	1937.8	5.7	B3/2500		G3/2500
BVH (80°-90°)	97.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





REPORT NUMBER: P653495

CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4
2.5°	15798.5	15709.8	15788.7	16163.2	16380.0	16527.8	16621.4	16606.7	16251.9	15906.9	15906.9
5°	15335.3	15222.0	15384.6	16232.1	17084.7	17158.6	17281.8	17079.8	16557.4	15926.7	15138.2
7.5°	13995.0	14078.8	14349.7	15463.5	16572.2	17129.1	17276.9	17020.7	16173.0	14995.3	13837.3
10°	12836.9	13034.1	13659.9	14862.2	15882.3	16606.7	16769.3	16409.6	15739.4	14295.6	13260.7
12.5°	12437.8	12314.6	13009.4	14211.8	15187.5	15576.7	15650.7	15675.3	15222.0	13940.8	12679.3
15°	12388.5	12467.3	13009.4	13921.1	14522.2	14542.0	14665.1	14857.4	14916.5	14182.2	12950.3
17.5°	13098.1	13004.5	13561.3	14285.7	13999.9	13714.1	13743.6	14019.6	14507.4	14389.2	13802.7
20°	14147.7	14359.7	14798.2	14724.3	13955.6	13231.1	13236.1	13497.3	14458.1	15246.7	14990.4
22.5°	15892.1	16099.1	16424.4	15532.4	13955.6	13088.2	12920.7	13275.5	14773.5	16266.7	16330.7
25°	17483.8	17863.3	17952.0	16902.3	14655.3	13221.3	13112.9	13462.7	15089.0	17262.1	17868.2
27.5°	18932.6	19070.6	19459.9	17784.5	15044.6	13310.0	13300.2	13748.6	15488.1	17759.8	19243.1
30°	20075.8	20061.0	20282.8	18341.3	15665.5	13807.7	13329.7	14177.3	16010.5	18582.7	20514.4
32.5°	20854.4	21022.0	21490.2	19114.9	15926.7	14280.8	13906.3	14679.9	16646.1	18972.0	21411.3
35°	22224.4	22515.2	21923.8	19543.7	16754.6	14749.0	14310.4	15364.9	16961.5	19395.8	22510.2
37.5°	23515.5	23293.7	22692.5	19775.3	17291.6	15616.2	15207.2	16690.5	17942.1	20317.3	23239.5
40°	24343.3	24338.5	23269.1	19962.6	17671.1	16941.8	16917.1	18035.7	19144.5	20898.8	24057.6
42.5°	24703.1	25048.0	23505.6	19942.8	18469.4	18548.3	19046.0	20046.3	19997.0	21017.1	24037.8
44°	25195.9	25402.8	23914.6	19987.2	19001.6	19632.4	20805.2	21440.9	20741.2	20953.0	24013.2
45°	25176.2	25190.9	23333.1	20046.3	19454.9	20539.1	21588.7	22662.9	21396.6	20815.0	24338.5
47.5°	24599.6	24432.1	22840.4	19607.7	20869.2	22934.0	23904.8	24555.3	22204.7	20519.4	23934.4
50°	23461.3	23269.1	21642.9	19420.5	21164.9	24422.2	25762.5	25999.1	22938.9	20228.7	23535.2
52.5°	23540.1	23485.9	21982.9	19701.4	21460.6	24890.3	27038.8	27097.9	23771.7	20839.6	23540.1
55°	24949.4	24762.2	22958.6	20051.2	21243.7	24343.3	26225.7	26122.3	23490.8	20470.1	23973.8
57.5°	22830.5	22953.7	21608.4	18666.5	18592.6	19790.1	20618.0	20361.7	19602.8	18474.3	22303.2
60°	18420.1	18770.0	18898.1	15611.3	14029.5	13413.4	13167.1	12713.7	12841.8	15177.6	19592.9
62.5°	15798.5	15778.8	16582.1	14152.7	9190.4	7904.2	7785.9	7889.4	9367.7	14941.1	19188.8
65°	12526.4	12861.6	13108.0	11994.3	7273.5	5869.0	5864.1	6519.5	8106.2	12487.1	15493.0
67.5°	7953.5	8392.1	8697.5	7672.6	4863.8	4178.8	4065.5	4853.9	5617.7	8190.0	9328.4
70°	4484.3	4691.3	4829.3	4425.2	3094.6	2168.3	2040.1	2227.4	3395.3	5302.3	5529.0
72.5°	1729.7	1823.3	2010.6	2025.3	1167.9	699.7	566.7	680.0	1429.0	2099.2	2000.7
75°	266.1	285.8	404.1	482.9	335.1	256.3	271.1	280.9	399.1	542.0	453.4
77.5°	128.1	128.1	123.2	142.9	167.5	182.3	197.1	216.8	236.6	261.2	251.3
80°	83.8	83.8	83.8	98.6	123.2	147.8	167.5	177.4	187.3	207.0	197.1
82.5°	54.2	54.2	54.2	73.9	98.6	123.2	133.0	157.7	177.4	207.0	192.2
85°	29.6	29.6	29.6	49.3	73.9	103.4	98.6	78.9	44.3	5.0	9.8
87.5°	9.8	9.8	9.8	9.8	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



REPORT NUMBER: P653495

CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4
2.5°	15493.0	15266.3	15246.7	14783.4	14369.5	14167.4	14004.8	13551.5	13650.0	13388.8	13383.9
5°	14744.0	14280.8	13531.8	12915.7	12299.8	12176.6	11639.4	11171.3	11186.1	10851.0	10910.1
7.5°	13398.7	13078.4	12166.7	11200.9	10382.9	9801.4	9293.8	8988.3	8599.1	8465.9	8397.0
10°	12546.2	12151.9	11127.0	9914.7	8998.2	8687.7	8199.8	7928.9	7529.6	7332.6	7194.6
12.5°	12171.7	11595.1	10313.9	9082.0	8470.9	8150.6	7736.6	7243.9	6770.8	6588.5	6337.2
15°	12211.1	11521.2	10077.4	8746.8	8012.6	7391.7	7022.1	6475.1	5992.2	5671.9	5489.5
17.5°	12807.3	11969.6	10185.8	8490.6	7436.0	6657.4	5933.1	5341.8	4957.4	4715.9	4656.8
20°	14216.7	13078.4	10368.1	8076.6	6859.5	5888.7	4996.8	4380.9	4085.2	4080.2	4085.2
22.5°	15389.5	14261.1	10737.7	7830.3	6282.9	4903.2	4016.2	3819.1	3759.9	3883.1	3897.9
25°	16971.4	15591.6	11373.3	7702.1	5750.8	4178.8	3631.8	3557.9	3553.0	3710.7	3715.5
27.5°	18592.6	16754.6	11752.8	7327.6	5208.6	3804.3	3400.2	3385.4	3464.2	3631.8	3617.0
30°	19696.4	17730.2	12437.8	6879.2	4568.1	3474.1	3306.6	3326.2	3434.6	3562.8	3582.5
32.5°	20982.6	18691.1	12615.2	6632.8	4173.9	3198.2	3079.9	3124.2	3262.2	3464.2	3572.7
35°	22456.0	19371.2	12886.2	6297.7	4026.0	2986.2	2927.1	2976.4	3143.9	3277.0	3395.3
37.5°	23545.1	20573.6	12935.5	6036.5	3863.4	2868.0	2774.4	2936.9	3035.5	3222.8	3281.9
40°	24353.2	21445.8	13063.6	5874.0	3735.3	2715.3	2715.3	2823.7	2956.7	3129.2	3247.4
42.5°	24870.6	22081.5	13157.2	5726.1	3488.9	2670.8	2646.2	2754.6	2932.1	3099.6	3153.8
44°	25186.0	22352.5	13063.6	5588.1	3419.9	2616.7	2616.7	2710.3	2848.3	3045.3	3109.4
45°	25264.8	22692.5	12856.6	5583.2	3336.2	2552.6	2542.8	2720.1	2813.7	3055.3	3094.6
47.5°	25570.4	23111.4	12881.3	5425.5	3134.1	2399.9	2572.3	2651.2	2734.9	2946.9	3079.9
50°	25560.5	23372.6	12827.1	5193.9	2986.2	2227.4	2513.2	2601.9	2685.6	2902.5	2956.7
52.5°	25629.5	24348.3	13324.8	4824.3	2720.1	2005.6	2316.0	2513.2	2616.7	2799.0	2912.3
55°	25595.0	24905.1	13817.5	4548.4	2345.6	1872.6	2148.5	2380.1	2528.0	2720.1	2774.4
57.5°	23377.5	22012.5	12787.7	4030.9	1941.5	1714.9	1912.0	2242.2	2429.4	2626.5	2695.5
60°	19100.2	16966.4	10545.5	2966.5	1596.6	1576.9	1779.0	2197.8	2276.7	2449.1	2567.4
62.5°	17651.4	14882.0	8362.5	2266.7	1365.0	1443.8	1641.0	1985.9	2109.1	2321.0	2429.4
65°	13812.7	9885.2	5179.1	1532.6	1202.4	1296.0	1483.3	1739.5	1941.5	2138.7	2266.7
67.5°	8180.2	5400.9	2562.4	1074.3	1049.7	1148.2	1340.4	1532.6	1764.2	1981.0	2045.1
70°	4454.7	2656.0	1094.0	818.0	892.0	980.6	1167.9	1300.9	1522.7	1690.2	1798.6
72.5°	1429.0	808.2	547.0	606.1	680.0	783.6	896.8	1059.5	1217.2	1315.7	1404.4
75°	345.0	340.0	389.3	423.8	492.7	571.6	665.2	749.0	872.2	965.9	1044.7
77.5°	241.5	261.2	300.6	349.9	374.5	404.1	463.2	527.3	581.5	650.4	699.7
80°	187.3	202.0	231.6	256.3	280.9	305.5	335.1	359.7	394.3	438.6	463.2
82.5°	177.4	187.3	216.8	231.6	221.8	216.8	236.6	246.4	251.3	266.1	280.9
85°	14.8	0.0	9.8	34.5	83.8	123.2	133.0	133.0	128.1	138.0	138.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	19.7	14.8
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: P653495

CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4
2.5°	13324.8	13157.2	13221.3	13300.2	13186.8	12925.7	12994.6	12965.0	13231.1	13211.4	13477.5
5°	11171.3	10910.1	10939.7	11324.1	11200.9	11333.9	11067.8	11033.3	11082.6	11107.3	11151.6
7.5°	8549.8	8515.2	8810.9	9136.1	9288.9	9131.2	8870.0	8810.9	8756.7	8648.3	8894.7
10°	6977.8	6987.6	6967.9	7214.3	7386.8	7352.3	7194.6	7174.9	7071.4	7031.9	7169.9
12.5°	6228.8	6095.7	6031.7	5952.8	6085.8	6174.5	6105.6	6056.3	6061.2	6110.5	6130.2
15°	5504.3	5420.6	5282.6	5193.9	5257.9	5213.6	5189.0	5287.5	5262.9	5253.1	5371.3
17.5°	4691.3	4760.2	4750.4	4651.8	4735.6	4701.1	4696.2	4627.2	4533.6	4464.6	4504.0
20°	4154.1	4282.3	4380.9	4385.7	4430.1	4425.2	4351.2	4139.3	4070.4	4055.6	4065.5
22.5°	3962.0	4030.9	4149.2	4316.8	4316.8	4237.9	4149.2	3902.8	3838.7	3769.8	3740.2
25°	3809.2	3942.3	4095.0	4114.7	4193.6	4119.6	3976.8	3853.5	3720.5	3626.9	3626.9
27.5°	3730.3	3878.2	3991.6	4026.0	4134.4	4075.3	3927.5	3769.8	3612.1	3607.1	3523.4
30°	3695.9	3833.9	3907.7	3991.6	4040.8	3947.1	3902.8	3735.3	3577.6	3538.2	3400.2
32.5°	3592.3	3789.5	3927.5	3907.7	3947.1	3907.7	3843.7	3705.7	3528.3	3439.6	3424.8
35°	3474.1	3671.2	3819.1	3922.5	3947.1	3863.4	3823.9	3636.7	3395.3	3350.9	3198.2
37.5°	3410.0	3528.3	3710.7	3878.2	3912.7	3868.3	3735.3	3543.0	3301.6	3252.3	3119.3
40°	3331.2	3483.9	3626.9	3764.8	3868.3	3759.9	3607.1	3419.9	3311.5	3163.7	3124.2
42.5°	3272.1	3444.6	3562.8	3715.5	3833.9	3690.9	3513.5	3385.4	3232.6	3134.1	3020.7
44°	3252.3	3410.0	3488.9	3676.2	3774.7	3666.3	3518.5	3385.4	3208.0	3119.3	3020.7
45°	3183.4	3400.2	3483.9	3651.5	3735.3	3646.6	3459.3	3326.2	3198.2	3089.7	2986.2
47.5°	3114.4	3262.2	3405.1	3538.2	3597.3	3567.7	3410.0	3247.4	3094.6	3030.6	2932.1
50°	3094.6	3242.5	3375.5	3498.7	3567.7	3508.6	3365.7	3208.0	3030.6	2927.1	2843.3
52.5°	2996.1	3178.4	3326.2	3365.7	3454.4	3419.9	3311.5	3139.0	2971.5	2882.8	2813.7
55°	2853.2	3045.3	3247.4	3296.7	3424.8	3370.6	3208.0	3045.3	2902.5	2769.4	2680.7
57.5°	2799.0	2986.2	3183.4	3247.4	3326.2	3237.6	3198.2	3025.7	2799.0	2730.0	2592.0
60°	2661.0	2897.6	3060.1	3208.0	3213.0	3188.3	3119.3	2922.2	2734.9	2606.8	2508.3
62.5°	2552.6	2774.4	2902.5	3040.5	3124.2	3055.3	2986.2	2803.9	2601.9	2459.0	2345.6
65°	2394.9	2596.9	2705.3	2789.2	2882.8	2872.9	2754.6	2621.6	2409.7	2296.4	2187.9
67.5°	2153.5	2330.8	2478.7	2557.6	2616.7	2601.9	2513.2	2419.6	2202.7	2089.4	2010.6
70°	1862.7	2045.1	2138.7	2183.0	2242.2	2271.7	2202.7	2158.3	1966.2	1818.3	1744.4
72.5°	1498.1	1616.3	1754.3	1793.7	1818.3	1838.1	1838.1	1798.6	1601.5	1542.4	1414.3
75°	1103.8	1197.4	1300.9	1300.9	1345.3	1350.2	1360.1	1335.4	1187.6	1108.8	1079.2
77.5°	749.0	818.0	901.8	936.3	965.9	960.9	956.0	887.0	808.2	773.6	744.1
80°	487.9	556.8	596.3	640.6	670.2	665.2	675.1	625.9	591.3	532.2	542.0
82.5°	290.7	345.0	384.3	438.6	438.6	453.4	453.4	438.6	404.1	374.5	374.5
85°	138.0	182.3	207.0	241.5	261.2	266.1	236.6	202.0	167.5	152.7	167.5
87.5°	24.6	34.5	49.3	44.3	54.2	49.3	49.3	49.3	49.3	39.4	44.3
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: P653495

CATALOG NUMBER: GLAN-SA7D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4	15054.4
2.5°	13379.0	13625.4	13797.9	14083.6	14576.5	14970.6	15374.7	15675.3	15709.8	15798.5
5°	11314.2	11447.3	11885.9	12457.5	12861.6	13526.8	13955.6	14734.2	15024.9	15335.3
7.5°	8835.5	9052.4	9638.8	10023.1	10910.1	11743.0	12605.3	13566.3	13950.6	13995.0
10°	7450.8	7766.2	8165.4	8781.4	9264.3	10190.7	11264.9	12334.3	12763.0	12836.9
12.5°	6544.2	6948.2	7480.4	7923.9	8387.1	9195.2	10225.2	11545.8	12102.7	12437.8
15°	5671.9	6090.8	6677.2	7293.2	7702.1	8668.0	9880.2	11368.5	12092.8	12388.5
17.5°	4775.0	5164.3	5647.2	6312.5	7135.5	8219.6	9826.1	11959.8	12753.2	13098.1
20°	4006.3	4223.2	4784.9	5469.9	6499.8	7761.3	9845.8	12832.0	13995.0	14147.7
22.5°	3705.7	3755.0	3976.8	4607.5	5736.0	7293.2	10195.6	14068.8	15389.5	15892.1
25°	3474.1	3464.2	3523.4	3947.1	5179.1	7110.8	10540.6	15207.2	16936.9	17483.8
27.5°	3346.0	3247.4	3252.3	3651.5	4784.9	6815.1	10984.0	16513.0	18691.1	18932.6
30°	3281.9	3262.2	3203.0	3365.7	4356.2	6371.7	11058.0	17799.3	19726.0	20075.8
32.5°	3242.5	3050.3	2976.4	3035.5	3952.1	5888.7	11333.9	18646.8	21007.3	20854.4
35°	3045.3	2872.9	2823.7	2882.8	3666.3	5617.7	11151.6	19386.0	21968.2	22224.4
37.5°	2971.5	2818.7	2720.1	2670.8	3400.2	5391.0	11058.0	20524.3	22899.5	23515.5
40°	2902.5	2739.9	2621.6	2572.3	3193.2	5090.4	11028.5	21401.4	23973.8	24343.3
42.5°	2823.7	2720.1	2587.1	2498.4	2941.9	4789.8	10688.4	21672.5	24303.9	24703.1
44°	2799.0	2641.3	2503.3	2473.7	2843.3	4637.0	10619.4	21918.9	24589.7	25195.9
45°	2774.4	2626.5	2468.8	2429.4	2808.9	4553.3	10525.8	21978.0	25062.8	25176.2
47.5°	2705.3	2611.7	2459.0	2350.6	2734.9	4370.9	10244.9	21642.9	24579.9	24599.6
50°	2651.2	2542.8	2385.1	2173.1	2636.4	4218.2	10373.1	21519.7	23416.9	23461.3
52.5°	2592.0	2429.4	2340.7	1976.0	2473.7	4090.0	10644.0	22076.6	23549.9	23540.1
55°	2523.0	2345.6	2128.8	1808.5	2202.7	3927.5	11299.4	23175.4	24781.9	24949.4
57.5°	2414.6	2261.9	1951.4	1660.6	1892.2	3617.0	11087.6	21071.3	22800.9	22830.5
60°	2271.7	2128.8	1769.0	1547.4	1552.2	2853.2	9914.7	16419.4	17991.4	18420.1
62.5°	2133.7	2054.9	1616.3	1384.7	1320.6	2271.7	8382.2	13645.1	15443.7	15798.5
65°	1971.1	1779.0	1483.3	1261.5	1133.4	1591.7	5938.0	10195.6	12048.5	12526.4
67.5°	1764.2	1557.2	1305.9	1108.8	970.8	1064.4	3065.1	5795.1	7672.6	7953.5
70°	1542.4	1350.2	1098.9	936.3	783.6	734.3	1350.2	2764.5	4193.6	4484.3
72.5°	1266.5	1089.0	877.2	739.2	586.4	507.5	453.4	739.2	1488.2	1729.7
75°	916.6	793.4	660.4	527.3	413.9	325.2	266.1	221.8	246.4	266.1
77.5°	675.1	576.6	487.9	374.5	290.7	231.6	182.3	138.0	133.0	128.1
80°	527.3	468.1	389.3	300.6	226.6	172.5	128.1	93.6	83.8	83.8
82.5°	413.9	384.3	320.3	246.4	187.3	138.0	93.6	64.1	54.2	54.2
85°	157.7	157.7	231.6	202.0	142.9	98.6	64.1	34.5	29.6	29.6
87.5°	39.4	39.4	39.4	39.4	34.5	29.6	29.6	14.8	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)