

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: P652729

Luminaire Tested: **GLAN-SA2C-840-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-840-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8855.7 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 108
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

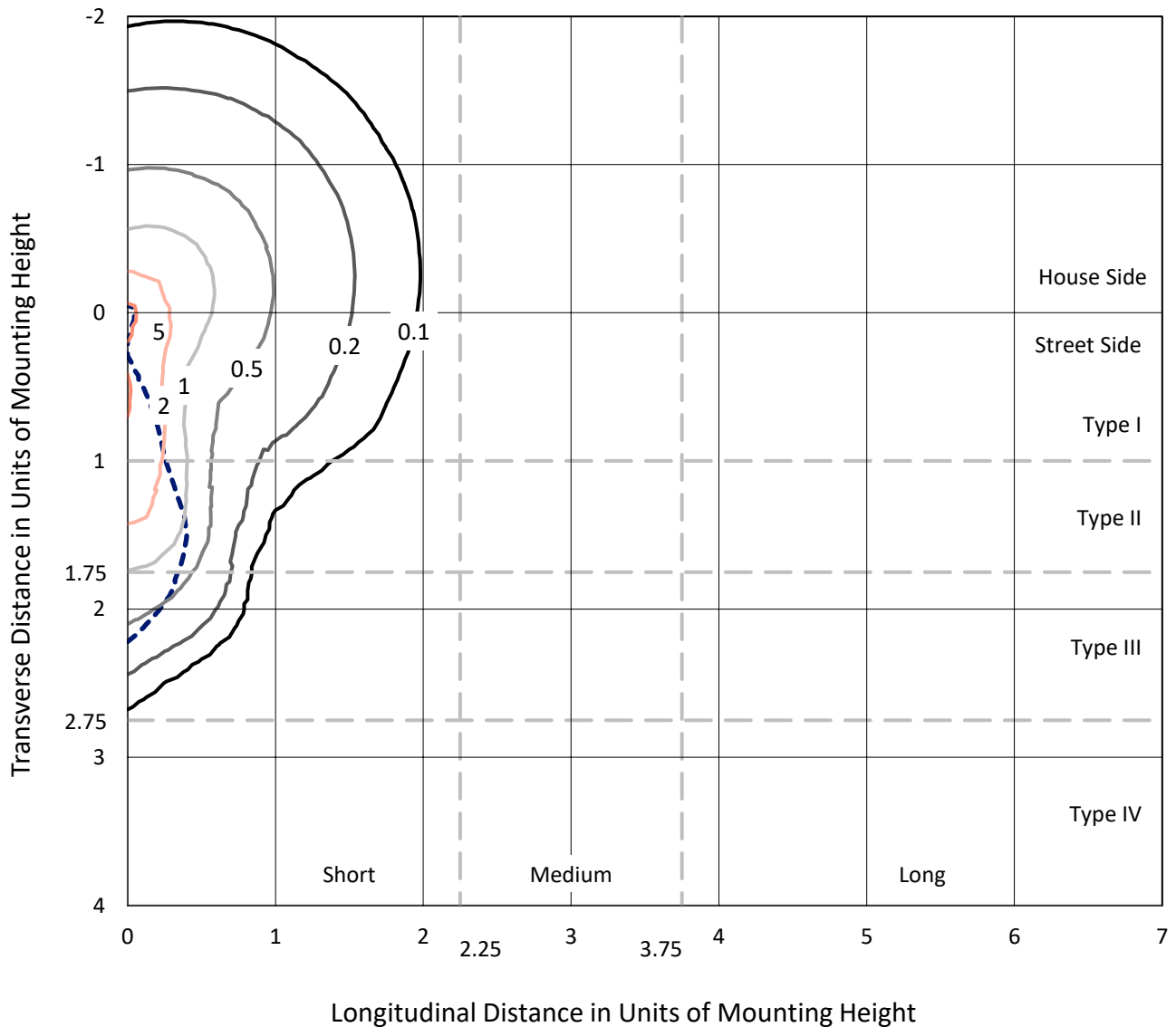




REPORT NUMBER: P652729
 CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

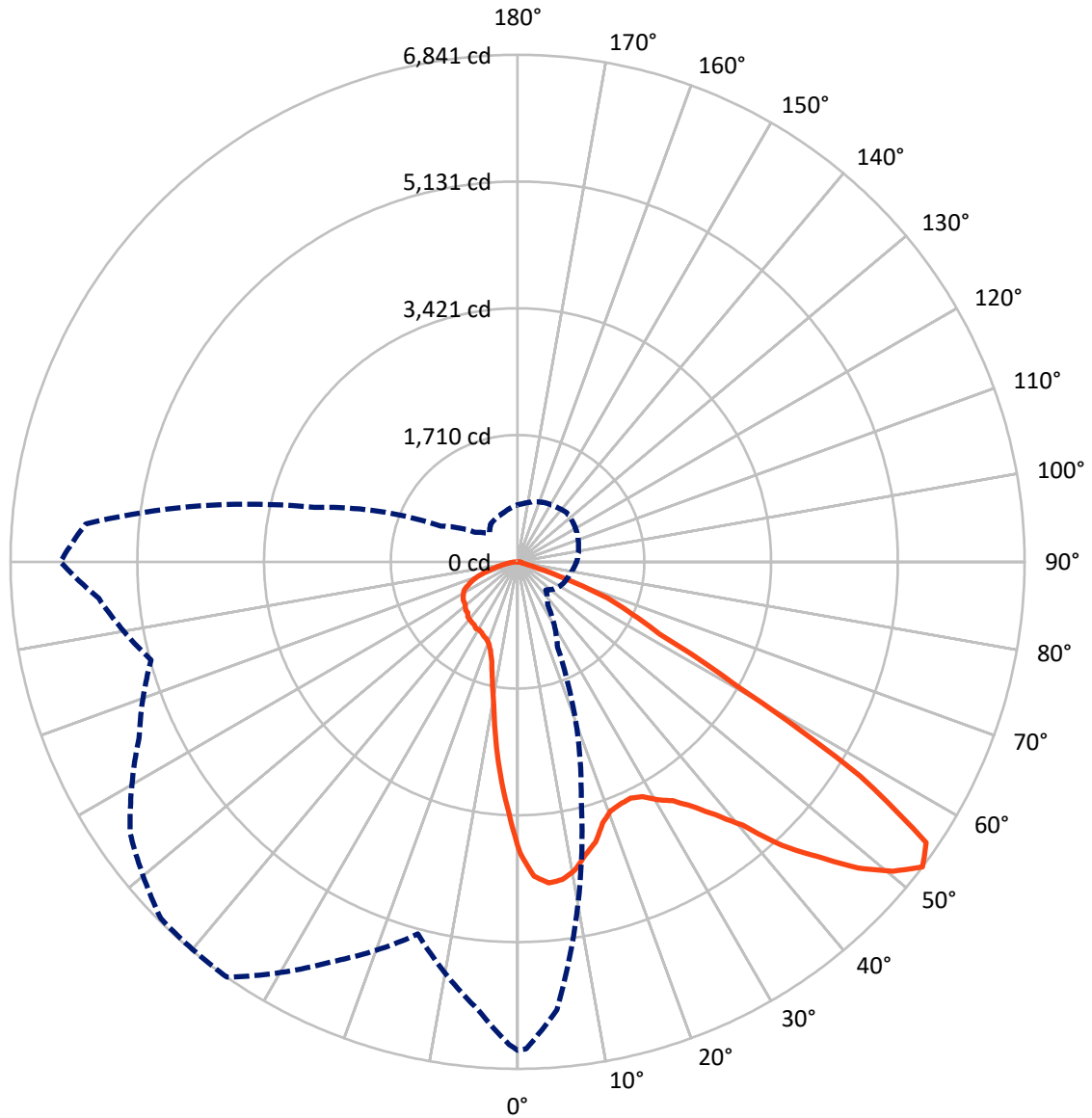
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

REPORT NUMBER: P652729
CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P652729
 CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

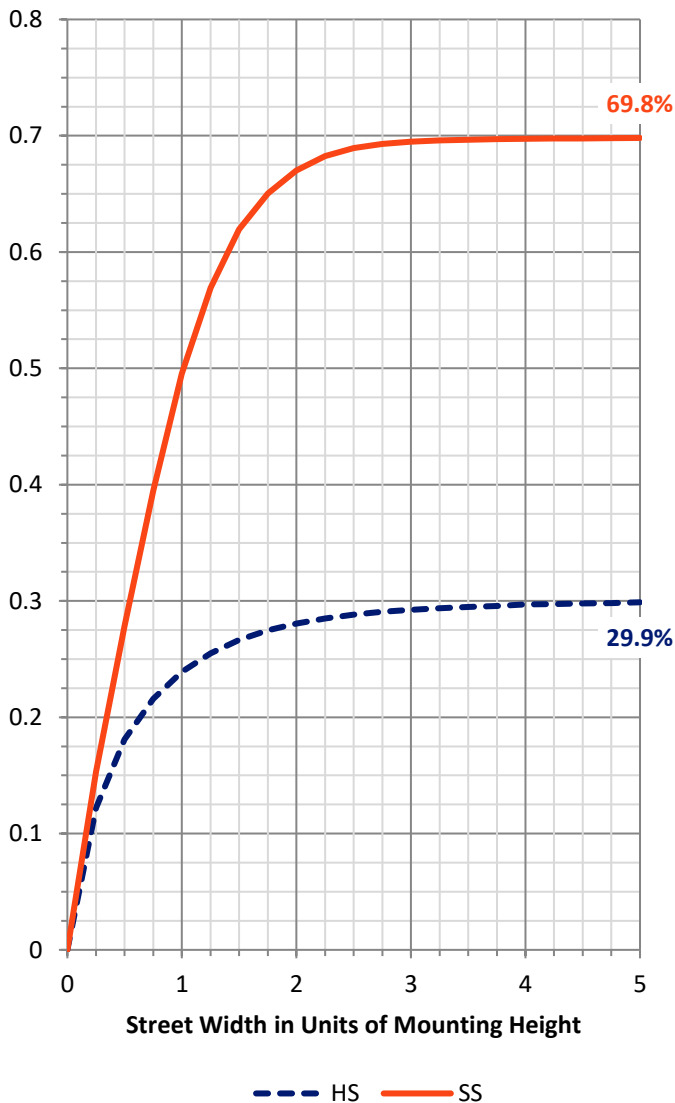
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2669.6	0.0	2669.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	6186.1	0.0	6186.1
	% Fixture	69.9	0.0	69.9
Total	Lumens	8855.7	0.0	8855.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	3.4
10°-20°	650.0	7.3
20°-30°	982.1	11.1
30°-40°	1419.2	16.0
40°-50°	1888.7	21.3
50°-60°	2112.6	23.9
60°-70°	1190.6	13.4
70°-80°	265.4	3.0
80°-90°	47.3	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°	8855.7	100.0
0°-180°	8855.7	100.0

Coefficient of Utilization



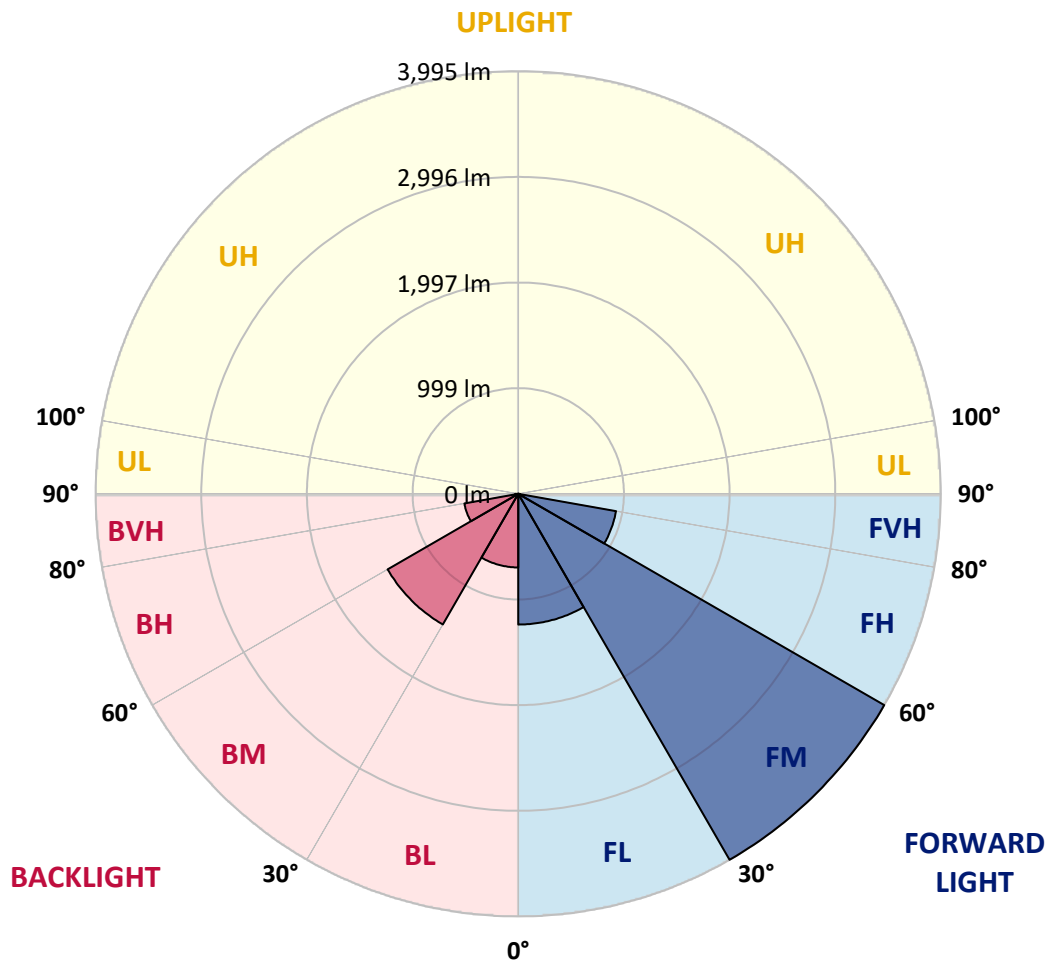
REPORT NUMBER: P652729
 CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1235.8	14.0			
FM	(30°-60°)	3994.6	45.1			
FH	(60°-80°)	938.6	10.6			G1/1800
FVH	(80°-90°)	17.1	0.2			G1/100
BL	(0°-30°)	696.2	7.9	B2/1000		
BM	(30°-60°)	1425.9	16.1	B2/2500		
BH	(60°-80°)	517.5	5.8	B2/1000		G2/1000
BVH	(80°-90°)	30.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P652729

CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2
2.5°	3995.7	4059.8	3990.5	3867.3	3780.0	3700.5	3617.1	3600.3	3491.2	3472.0	3392.4
5°	3768.5	3754.4	3669.7	3508.0	3329.5	3167.8	3048.5	2932.9	2854.6	2763.4	2757.1
7.5°	3492.5	3410.4	3361.6	3116.5	2895.6	2641.6	2532.4	2356.6	2301.4	2219.2	2176.9
10°	3246.1	3185.8	3071.5	2826.3	2518.3	2350.2	2233.4	2138.4	2074.2	1989.5	1883.0
12.5°	3124.1	3099.8	2971.4	2591.5	2363.0	2183.3	2101.2	2008.7	1899.7	1763.6	1710.9
15°	3146.0	3063.8	2966.3	2546.5	2230.8	2057.5	1926.6	1811.1	1671.2	1541.6	1465.8
17.5°	3309.0	3246.1	3051.0	2574.8	2180.7	1930.4	1693.0	1522.3	1396.5	1279.7	1227.1
20°	3629.8	3538.8	3319.3	2610.7	2072.9	1753.3	1481.3	1270.8	1135.9	1074.3	1056.4
22.5°	3985.4	3931.5	3581.1	2691.6	1986.9	1589.1	1256.6	1046.1	996.0	979.3	1012.7
25°	4417.9	4278.1	3988.0	2823.8	1920.2	1449.1	1066.6	949.8	924.2	940.8	979.3
27.5°	4746.6	4709.3	4273.0	2948.3	1829.1	1281.0	960.1	883.0	890.8	907.4	943.4
30°	5136.7	4948.1	4548.9	3034.3	1746.9	1165.5	885.7	865.1	872.8	901.0	919.0
32.5°	5371.6	5301.1	4722.2	3163.9	1651.9	1065.4	827.9	808.6	820.2	862.5	904.9
35°	5670.7	5530.8	4936.5	3197.3	1585.2	1025.5	786.8	772.7	799.6	829.1	876.7
37.5°	6019.9	5923.6	5233.0	3174.2	1549.2	984.5	752.2	745.7	765.0	806.1	861.3
40°	6226.5	6197.0	5388.4	3188.3	1492.8	948.6	712.4	720.1	759.8	792.0	845.9
42.5°	6425.4	6232.9	5618.1	3183.2	1456.9	899.8	716.2	707.2	738.1	775.2	826.6
45°	6469.1	6277.8	5672.0	3147.3	1413.2	852.3	686.7	690.5	727.8	774.0	807.4
47.5°	6440.9	6299.7	5772.1	3137.0	1372.1	818.9	643.0	689.3	711.1	748.3	795.8
50°	6421.6	6413.9	5856.8	3185.8	1316.9	766.3	590.5	672.5	694.4	731.6	783.0
52.5°	6591.0	6574.3	6068.7	3314.1	1273.3	709.8	536.6	630.2	682.8	718.8	768.8
55°	6693.7	6620.5	6431.9	3472.0	1200.1	635.4	499.3	577.6	654.6	686.7	738.1
57.5°	6021.1	5971.1	5818.3	3241.0	1076.9	537.8	453.1	523.7	616.1	666.2	718.8
60°	5009.7	4931.4	4539.9	2754.5	794.5	418.4	424.9	481.3	605.9	625.1	686.7
62.5°	4723.5	4529.6	3996.9	2216.7	609.7	359.4	381.2	442.8	551.9	584.0	645.6
65°	3748.0	3604.2	2859.7	1600.6	408.1	311.9	347.8	399.2	476.2	539.1	595.6
67.5°	2346.3	2209.0	1526.2	757.3	284.9	267.0	310.6	364.5	427.4	483.9	546.8
70°	1225.8	1075.6	704.7	273.4	196.4	218.2	259.3	310.6	372.2	418.4	467.2
72.5°	456.9	371.0	229.8	118.1	136.1	166.9	210.5	247.8	291.4	347.8	374.8
75°	70.6	60.3	59.0	71.9	92.4	120.7	150.2	187.4	225.9	261.8	279.8
77.5°	33.4	32.1	35.9	47.5	61.6	86.0	109.1	145.1	175.9	199.0	209.2
80°	21.8	20.5	23.1	32.1	46.2	64.2	87.3	111.7	139.9	159.2	156.6
82.5°	12.9	14.1	14.1	21.8	32.1	46.2	62.9	84.7	103.9	120.7	110.4
85°	7.7	6.4	6.4	12.9	21.8	37.3	52.6	35.9	37.3	37.3	42.4
87.5°	2.6	2.6	2.6	1.3	2.6	2.6	3.9	6.4	7.7	9.0	11.5
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: P652729

CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2
2.5°	3389.8	3429.7	3415.6	3365.4	3403.9	3410.4	3384.7	3473.2	3490.0	3463.0	3470.7
5°	2748.1	2758.3	2781.4	2830.2	2864.9	2906.0	2906.0	2908.5	2873.9	2961.2	2935.5
7.5°	2140.9	2147.4	2174.3	2278.3	2307.8	2386.1	2419.5	2396.3	2327.0	2297.5	2321.9
10°	1848.3	1811.1	1802.1	1815.0	1881.7	1915.0	1943.3	1935.6	1924.0	1900.9	1875.3
12.5°	1653.2	1626.2	1604.5	1573.6	1577.5	1609.6	1631.4	1613.5	1618.6	1623.7	1631.4
15°	1441.4	1422.1	1410.6	1364.4	1359.3	1381.1	1388.8	1399.1	1418.3	1419.6	1410.6
17.5°	1216.8	1200.1	1225.8	1251.5	1233.5	1234.8	1248.9	1257.9	1252.8	1229.6	1218.1
20°	1062.8	1080.8	1106.4	1130.8	1150.1	1161.6	1166.7	1152.6	1135.9	1088.4	1087.2
22.5°	1017.9	1041.0	1062.8	1100.0	1117.9	1147.5	1120.5	1088.4	1065.4	1042.3	1015.3
25°	984.5	1003.7	1047.4	1061.5	1096.2	1120.5	1101.3	1069.2	1029.4	996.0	975.5
27.5°	960.1	982.0	1010.1	1048.6	1075.6	1089.8	1070.5	1057.6	1016.6	976.8	947.2
30°	944.7	967.8	1019.1	1051.2	1074.3	1085.9	1052.5	1037.1	1007.6	974.2	948.6
32.5°	934.4	955.0	998.6	1039.6	1055.1	1055.1	1060.2	1042.3	1001.1	944.7	922.9
35°	901.0	929.3	965.2	1012.7	1041.0	1057.6	1032.0	1011.5	984.5	926.7	886.9
37.5°	881.8	901.0	947.2	992.2	1016.6	1034.5	1024.3	988.3	952.4	904.9	872.8
40°	861.3	892.0	933.2	975.5	1002.5	1020.4	1012.7	970.3	926.7	881.8	860.0
42.5°	847.1	867.7	910.0	957.6	989.6	1024.3	1001.1	948.6	917.7	856.1	831.7
45°	835.6	868.9	913.9	933.2	966.5	1002.5	961.3	929.3	893.3	848.4	827.9
47.5°	821.5	852.3	881.8	933.2	948.6	965.2	957.6	906.2	875.4	826.6	812.5
50°	816.4	827.9	881.8	910.0	931.8	948.6	928.0	889.5	860.0	809.9	779.1
52.5°	795.8	817.6	852.3	889.5	916.4	937.0	903.7	879.3	839.4	786.8	767.6
55°	770.1	783.0	844.6	883.0	897.2	911.3	898.5	858.7	817.6	763.7	744.5
57.5°	736.7	766.3	816.4	870.3	888.2	895.9	875.4	843.3	792.0	744.5	713.7
60°	702.1	732.9	788.1	831.7	849.7	877.9	847.1	827.9	768.8	716.2	682.8
62.5°	667.4	702.1	743.2	798.4	813.8	825.4	817.6	790.7	743.2	684.2	643.0
65°	626.4	652.0	703.4	731.6	741.9	768.8	741.9	731.6	689.3	632.8	598.1
67.5°	564.7	586.6	631.5	658.4	666.2	677.7	676.4	664.9	617.4	578.9	548.1
70°	494.2	513.4	541.7	573.7	577.6	591.7	578.9	576.3	545.5	492.9	476.2
72.5°	396.6	414.6	451.8	465.9	467.2	472.3	465.9	456.9	449.3	394.0	377.4
75°	304.2	314.4	332.4	345.3	345.3	351.7	347.8	338.8	318.3	283.7	267.0
77.5°	211.8	222.0	245.2	252.9	251.5	254.2	242.6	233.6	202.8	184.9	170.7
80°	154.0	160.5	172.0	177.1	178.4	182.2	168.1	160.5	142.5	121.9	115.6
82.5°	111.7	115.6	116.8	123.2	123.2	116.8	112.9	105.2	92.4	79.6	74.4
85°	46.2	47.5	48.8	56.5	57.8	69.3	64.2	60.3	52.6	44.9	41.0
87.5°	11.5	12.9	16.7	14.1	16.7	16.7	18.0	20.5	20.5	16.7	16.7
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: P652729

CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2
2.5°	3500.2	3510.5	3641.4	3658.1	3722.3	3787.8	3920.0	4014.9	4092.0	4142.0	4156.1
5°	2962.4	3027.9	3088.2	3185.8	3274.3	3400.2	3545.2	3724.9	3950.8	4066.3	4112.5
7.5°	2319.4	2396.3	2483.6	2578.7	2708.3	2934.2	3128.0	3335.9	3624.7	3744.1	3925.1
10°	1893.3	1979.2	2094.8	2167.9	2324.5	2540.2	2766.0	3006.1	3282.0	3454.1	3663.2
12.5°	1673.8	1744.3	1850.9	2004.9	2121.7	2261.6	2429.7	2732.7	3128.0	3291.0	3434.8
15°	1431.1	1509.4	1632.6	1803.4	1943.3	2110.2	2298.9	2628.7	3049.7	3301.3	3423.2
17.5°	1230.9	1287.4	1417.0	1564.7	1725.1	1907.4	2178.2	2623.6	3131.9	3454.1	3653.0
20°	1092.3	1100.0	1170.6	1296.4	1514.6	1752.1	2103.8	2597.9	3394.9	3717.1	3968.8
22.5°	1005.0	997.3	998.6	1105.2	1257.9	1599.3	1986.9	2685.1	3694.1	4135.6	4305.0
25°	961.3	940.8	928.0	951.1	1089.8	1418.3	1898.4	2800.7	4016.2	4480.8	4688.8
27.5°	938.3	902.3	876.7	880.5	982.0	1327.2	1843.1	2850.7	4335.9	4962.2	5035.4
30°	929.3	884.4	847.1	834.3	901.0	1200.1	1725.1	2936.8	4622.1	5226.6	5289.5
32.5°	897.2	842.0	806.1	794.5	821.5	1088.4	1640.4	2998.3	4874.9	5514.1	5492.3
35°	860.0	813.8	768.8	747.1	766.3	1016.6	1572.3	2968.8	5172.7	5737.5	5725.9
37.5°	856.1	795.8	758.6	722.7	721.3	928.0	1479.9	2997.1	5362.6	6138.0	5980.0
40°	822.8	784.2	735.5	705.9	689.3	883.0	1390.1	2930.4	5641.2	6299.7	6144.3
42.5°	824.0	766.3	723.9	689.3	672.5	817.6	1328.4	2912.4	5738.7	6562.8	6221.4
45°	803.5	747.1	711.1	670.0	661.0	767.6	1269.4	2829.0	5910.7	6575.6	6125.1
47.5°	783.0	732.9	694.4	645.6	625.1	749.6	1223.2	2759.7	5820.9	6454.9	5991.6
50°	768.8	711.1	675.2	640.5	582.7	718.8	1162.9	2742.9	5695.1	6291.9	5743.9
52.5°	744.5	693.2	655.9	628.9	536.6	690.5	1139.8	2840.5	5849.2	6170.0	5672.0
55°	721.3	668.8	621.2	568.6	498.0	616.1	1075.6	2931.6	6073.8	6451.1	5998.0
57.5°	696.9	646.9	595.6	532.7	460.8	539.1	1008.9	2948.3	5652.8	5962.1	5693.8
60°	664.9	600.7	562.2	480.0	421.0	446.7	799.6	2599.2	4384.6	4978.9	4987.9
62.5°	628.9	559.6	526.2	430.0	380.0	385.1	652.0	2184.6	3556.7	4121.5	4366.6
65°	581.5	514.7	474.9	397.9	350.4	333.7	477.5	1600.6	2701.9	3343.6	3622.2
67.5°	519.8	456.9	406.9	346.6	313.2	286.2	326.1	901.0	1595.5	2245.0	2329.7
70°	454.4	400.5	347.8	297.8	260.5	241.3	238.8	399.2	762.5	1207.8	1374.7
72.5°	358.1	319.6	277.3	240.0	215.6	187.4	170.7	165.6	258.0	491.6	679.0
75°	256.7	224.6	200.2	175.9	157.9	142.5	129.6	118.1	107.8	123.2	169.5
77.5°	161.7	150.2	130.9	124.5	114.2	110.4	105.2	98.8	91.2	86.0	86.0
80°	109.1	101.4	94.9	93.7	89.8	88.6	89.8	83.4	75.7	69.3	71.9
82.5°	73.2	71.9	70.6	69.3	70.6	71.9	74.4	73.2	66.8	62.9	64.2
85°	43.6	46.2	48.8	51.3	56.5	50.0	41.0	34.6	30.8	28.3	27.0
87.5°	16.7	23.1	20.5	19.3	20.5	19.3	18.0	16.7	14.1	12.9	12.9
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: P652729

CATALOG NUMBER: GLAN-SA2C-840-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2	3930.2
2.5°	4249.8	4275.5	4297.3	4292.2	4247.3	4186.9	4162.5	4038.1	4012.4	3995.7
5°	4307.6	4456.5	4488.6	4469.3	4352.5	4204.9	4061.2	3878.9	3772.4	3768.5
7.5°	4201.0	4384.6	4442.3	4486.0	4330.7	4074.0	3827.6	3554.2	3487.4	3492.5
10°	3930.2	4222.9	4365.4	4410.3	4231.8	4009.8	3668.4	3391.2	3248.7	3246.1
12.5°	3780.0	4009.8	4049.6	4112.5	4059.8	3835.2	3575.9	3265.4	3126.8	3124.1
15°	3646.6	3798.0	3809.6	3898.1	3926.4	3774.9	3600.3	3269.2	3157.5	3146.0
17.5°	3763.4	3658.1	3614.4	3626.1	3709.5	3764.7	3741.5	3487.4	3373.2	3309.0
20°	3841.7	3606.8	3474.6	3487.4	3586.3	3787.8	3952.0	3803.2	3622.2	3629.8
22.5°	4050.8	3614.4	3407.8	3393.7	3550.3	3908.4	4189.5	4202.3	4027.8	3985.4
25°	4364.0	3703.0	3387.3	3383.4	3533.6	4038.1	4466.7	4674.7	4496.2	4417.9
27.5°	4615.7	3841.7	3451.5	3464.3	3586.3	4143.3	4703.0	4978.9	4842.8	4746.6
30°	4836.4	3985.4	3541.3	3482.2	3727.4	4198.5	4804.3	5325.5	5216.3	5136.7
32.5°	4927.5	4189.5	3683.7	3586.3	3844.2	4265.2	5014.8	5661.7	5568.0	5371.6
35°	5081.6	4303.7	3760.8	3753.1	4048.3	4425.7	5113.7	5883.8	5845.3	5670.7
37.5°	5204.8	4419.3	4034.2	3949.5	4328.1	4695.2	5272.8	6190.5	6102.0	6019.9
40°	5299.8	4625.9	4289.6	4401.3	4672.1	4940.4	5419.2	6209.8	6465.3	6226.5
42.5°	5212.5	4810.8	4709.3	4976.3	5233.0	5220.2	5435.8	6358.7	6550.0	6425.4
45°	5190.7	5124.0	5372.9	5615.5	5674.6	5452.5	5316.5	6194.4	6524.3	6469.1
47.5°	5138.0	5432.0	5865.8	6261.2	6171.3	5607.8	5174.0	6164.9	6539.7	6440.9
50°	5120.1	5498.7	6230.4	6615.4	6561.5	5742.6	5107.2	5974.9	6430.6	6421.6
52.5°	5118.8	5636.0	6381.8	6808.0	6841.3	5955.7	5198.4	6071.2	6515.3	6591.0
55°	5176.5	5592.4	6362.6	6701.4	6688.6	5860.7	5208.6	6135.3	6619.3	6693.7
57.5°	4882.6	5009.7	5251.0	5519.2	5449.9	4854.4	4651.6	5672.0	6075.0	6021.1
60°	4216.4	3818.6	3546.4	3533.6	3398.8	3212.7	3807.0	5062.3	5062.3	5009.7
62.5°	3692.7	2506.8	2153.8	2053.6	2149.9	2364.3	3672.2	4923.7	4783.8	4723.5
65°	3229.4	1913.8	1556.9	1528.7	1695.5	2019.0	3320.5	4194.7	3948.2	3748.0
67.5°	2078.0	1401.6	1157.7	1107.7	1309.2	1482.5	2210.2	2579.9	2424.6	2346.3
70°	1340.0	912.6	644.4	604.5	682.8	913.9	1411.9	1504.3	1278.4	1225.8
72.5°	634.1	394.0	225.9	186.1	209.2	349.1	558.3	600.7	499.3	456.9
75°	201.5	145.1	92.4	79.6	75.7	89.8	128.3	98.8	71.9	70.6
77.5°	89.8	86.0	73.2	61.6	53.9	44.9	37.3	30.8	32.1	33.4
80°	74.4	68.0	60.3	53.9	44.9	34.6	27.0	20.5	20.5	21.8
82.5°	65.4	59.0	52.6	44.9	38.5	28.3	20.5	14.1	12.9	12.9
85°	28.3	33.4	35.9	38.5	30.8	23.1	14.1	9.0	7.7	7.7
87.5°	11.5	10.3	9.0	7.7	6.4	6.4	5.1	3.9	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)