

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: P456875

Luminaire Tested: **GLAN-SA8A-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456875
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-SA8A-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA 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: 25294 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

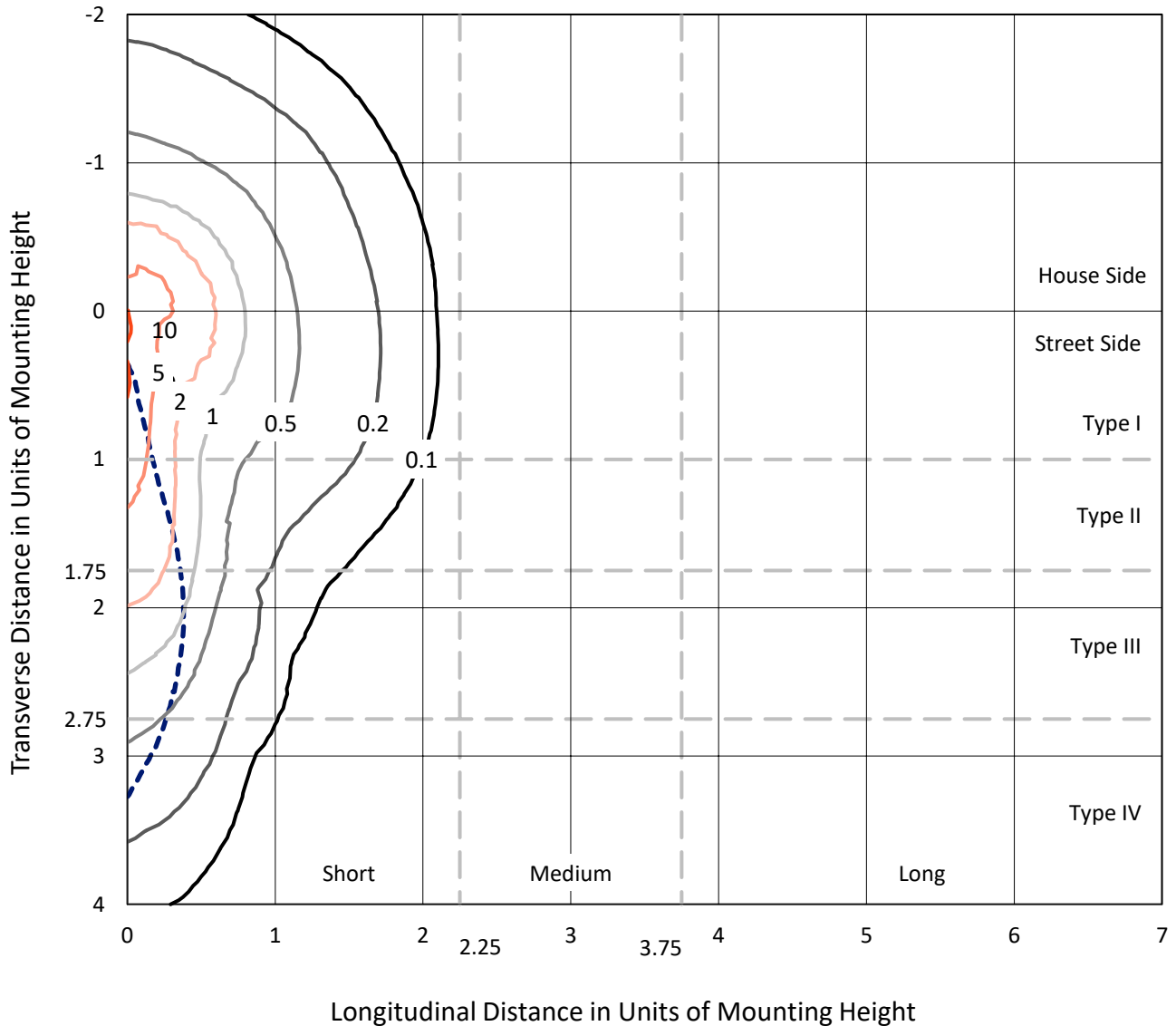
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

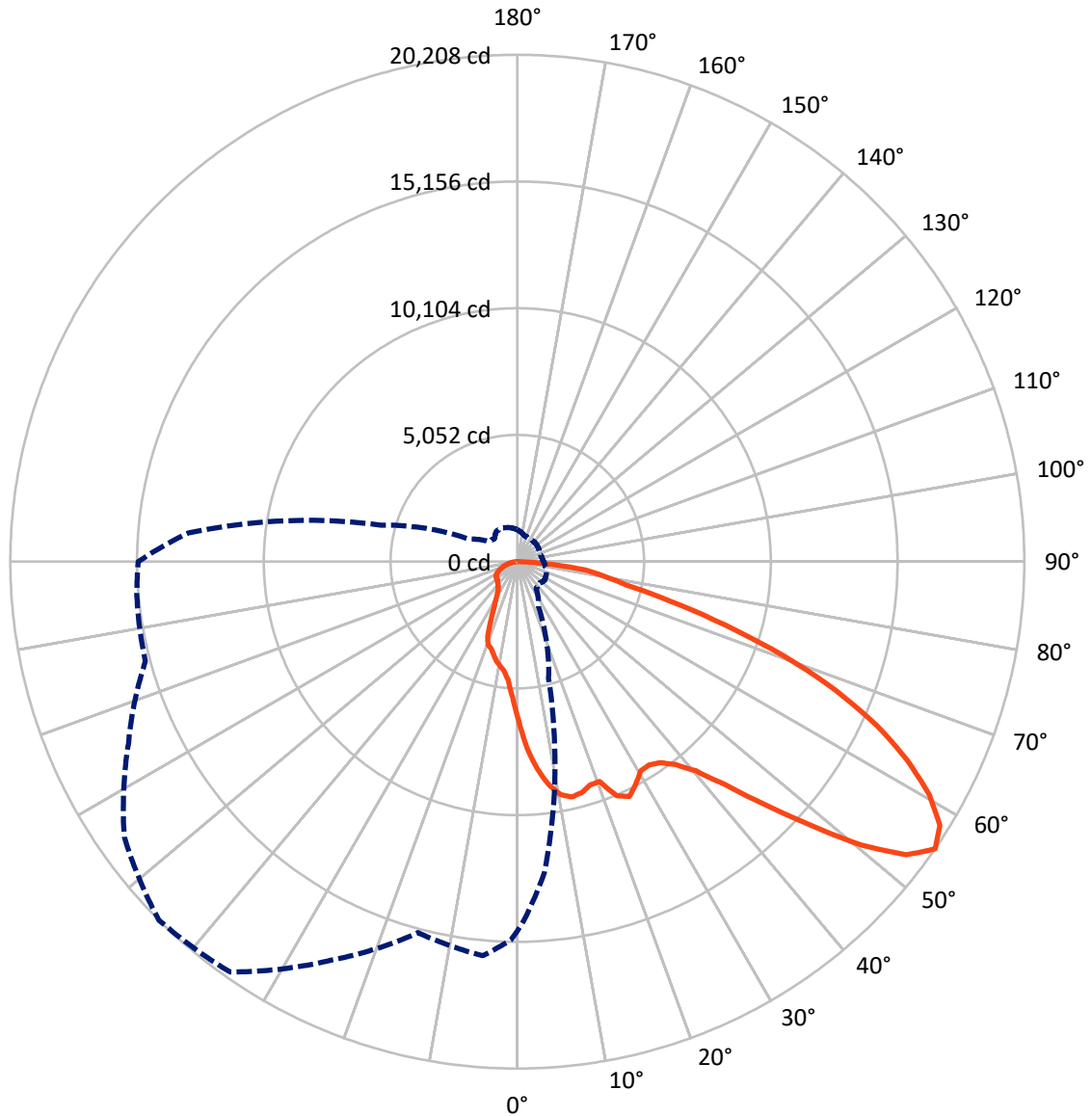
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5533.0	0.0	5533.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	19761.0	0.0	19761.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	25294.0	0.0	25294.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.0	2.1
10°-20°	1427.3	5.6
20°-30°	2465.8	9.7
30°-40°	2865.6	11.3
40°-50°	3998.1	15.8
50°-60°	5425.0	21.4
60°-70°	5161.2	20.4
70°-80°	2788.2	11.0
80°-90°	624.9	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°	25294.0	100.0
0°-180°	25294.0	100.0



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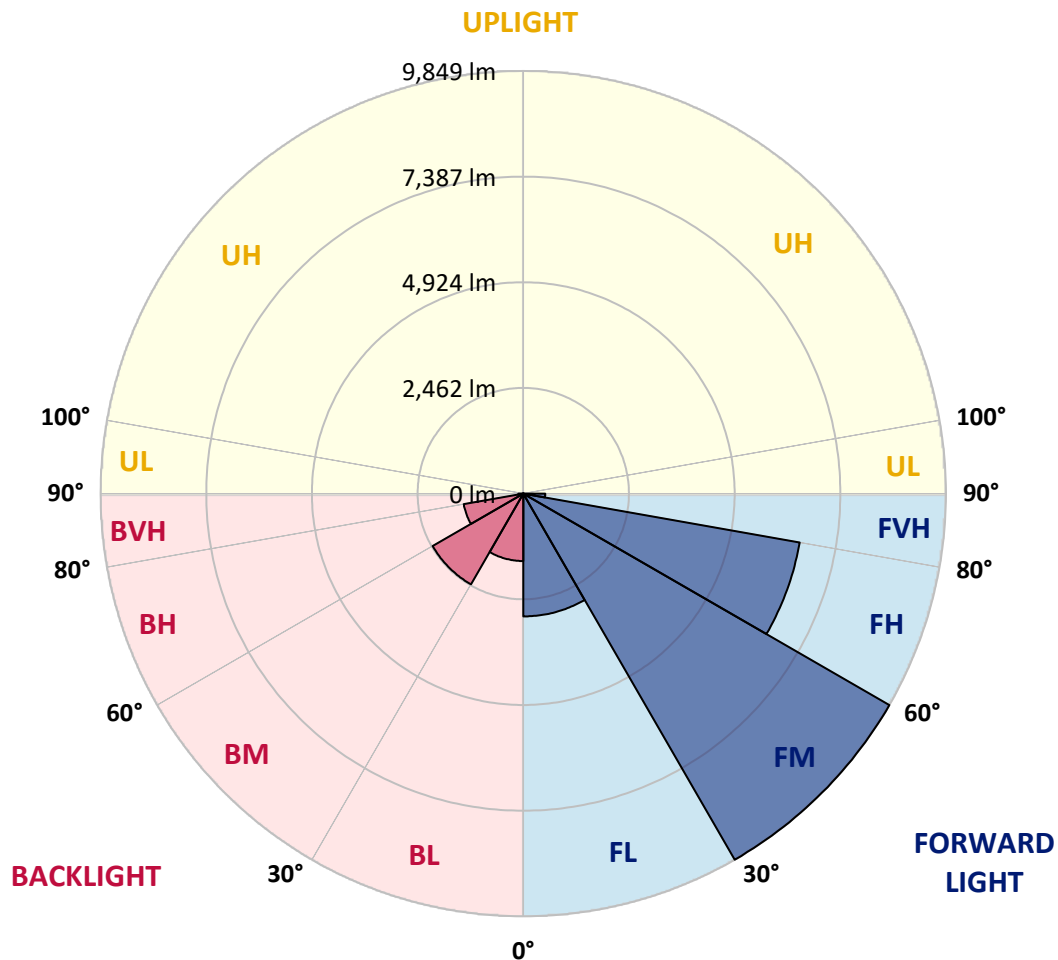
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2860.8	11.3			
FM	(30°-60°)	9849.0	38.9			
FH	(60°-80°)	6540.6	25.9			G3/7500
FVH	(80°-90°)	510.7	2.0			G4/750
BL	(0°-30°)	1570.3	6.2	B3/2500		
BM	(30°-60°)	2439.7	9.6	B2/2500		
BH	(60°-80°)	1408.8	5.6	B3/2500		G3/2500
BVH	(80°-90°)	114.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8
2.5°	7052.0	7025.3	6950.2	6753.3	6554.7	6352.8	6197.6	6004.0	5802.1	5693.7	5555.2
5°	7148.8	7118.8	6941.9	6498.0	6095.8	5673.6	5336.6	5041.2	4921.1	4744.2	4602.3
7.5°	6921.8	6908.5	6643.2	6005.7	5455.0	4902.7	4520.6	4283.6	4068.3	3988.2	4004.9
10°	6714.9	6661.5	6329.5	5496.8	4854.3	4405.4	4131.7	3899.8	3747.9	3707.9	3716.2
12.5°	6543.0	6471.3	6079.1	5154.7	4592.3	4233.5	3884.8	3642.8	3504.3	3542.7	3672.8
15°	6508.0	6411.2	5974.0	5037.9	4448.8	3986.6	3604.4	3325.8	3222.3	3305.7	3514.3
17.5°	6734.9	6613.1	6154.2	5076.2	4312.0	3734.6	3265.7	2947.0	2860.2	2993.7	3265.7
20°	7464.2	7284.0	6716.6	5298.2	4298.6	3609.4	3068.8	2748.4	2785.1	3038.7	3322.4
22.5°	8812.5	8542.2	7701.1	5621.9	4368.7	3577.7	3028.7	2861.9	3063.8	3279.0	3465.9
25°	9079.5	8867.6	7878.0	5695.3	4353.7	3556.0	3142.2	3225.6	3450.9	3557.7	3492.6
27.5°	9229.7	8987.7	7866.3	5331.6	3893.1	3225.6	3003.7	3142.2	3198.9	3095.5	2918.6
30°	9580.1	9328.1	8064.9	4949.4	3205.6	2392.9	2097.6	2040.8	2079.2	2099.2	2035.8
32.5°	10062.4	9813.7	8438.7	4699.1	2771.7	1979.1	1688.7	1608.6	1590.3	1568.6	1543.6
35°	10686.5	10304.3	8805.8	4538.9	2593.2	1830.6	1563.6	1501.8	1476.8	1446.8	1420.1
37.5°	11320.6	10920.1	9269.7	4370.4	2474.7	1727.1	1480.2	1451.8	1408.4	1376.7	1338.3
40°	11994.8	11545.9	9691.9	4223.5	2359.6	1660.4	1420.1	1416.7	1360.0	1323.3	1278.2
42.5°	12578.8	12116.6	10069.0	4133.4	2271.1	1590.3	1383.4	1393.4	1335.0	1279.9	1221.5
45°	13042.7	12588.8	10417.8	4133.4	2199.4	1520.2	1376.7	1370.0	1311.6	1243.2	1176.4
47.5°	13449.9	12981.0	10758.2	4238.5	2154.3	1461.8	1340.0	1351.7	1291.6	1204.8	1139.7
50°	13765.3	13351.4	11217.1	4402.1	2109.3	1415.1	1293.3	1356.7	1274.9	1184.8	1109.7
52.5°	14167.4	13797.0	11769.5	4625.7	2070.9	1363.3	1251.5	1356.7	1273.2	1186.5	1104.7
55°	14724.8	14334.3	12435.3	4810.9	2009.1	1315.0	1214.8	1318.3	1268.2	1178.1	1091.3
57.5°	15115.3	14823.2	12905.9	4934.4	1920.7	1253.2	1181.5	1281.6	1246.5	1146.4	1051.3
58°	15133.6	14848.3	12974.3	4962.8	1899.0	1241.5	1173.1	1264.9	1236.5	1133.1	1037.9
60°	14923.4	14678.0	12987.6	4922.7	1775.5	1183.1	1129.7	1196.5	1183.1	1054.6	966.2
62.5°	14159.1	13897.1	12448.6	4597.3	1612.0	1111.4	1063.0	1104.7	1074.7	944.5	862.7
65°	13072.7	12590.5	11340.6	4086.7	1495.2	1034.6	972.9	976.2	944.5	851.0	779.3
67.5°	11626.0	11087.0	9601.8	3444.2	1406.7	949.5	866.1	857.7	819.3	759.3	700.9
70°	9845.4	9476.7	7802.9	2801.8	1308.3	856.1	745.9	740.9	717.5	672.5	620.8
72.5°	7979.8	7510.9	6301.1	2242.8	1188.1	765.9	634.1	644.1	614.1	582.4	535.7
75°	5888.9	5581.9	4871.0	1798.9	1026.3	667.5	529.0	532.3	519.0	485.6	448.9
77.5°	3878.1	3786.3	3484.3	1181.5	789.3	530.7	432.2	435.5	425.5	395.5	357.1
80°	2609.9	2548.1	2361.2	760.9	527.3	383.8	333.7	337.1	335.4	303.7	252.0
82.5°	1608.6	1581.9	1521.9	514.0	365.4	275.3	220.3	230.3	248.6	213.6	171.9
85°	759.3	760.9	919.5	280.3	215.3	176.9	120.1	128.5	128.5	128.5	96.8
87.5°	98.5	103.5	126.8	118.5	78.4	66.7	43.4	36.7	31.7	41.7	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8
2.5°	5506.8	5473.4	5401.6	5385.0	5374.9	5403.3	5328.2	5348.2	5314.9	5408.3	5393.3
5°	4610.7	4614.0	4672.4	4710.8	4724.1	4710.8	4660.7	4574.0	4507.2	4480.5	4487.2
7.5°	3973.2	4031.6	4131.7	4243.6	4345.3	4375.4	4347.0	4181.8	4001.6	3888.1	3851.4
10°	3761.3	3839.7	3954.9	4043.3	4133.4	4205.2	4220.2	4091.7	3878.1	3609.4	3504.3
12.5°	3773.0	3879.8	3989.9	4018.3	4009.9	4038.3	4024.9	4003.3	3863.1	3521.0	3345.8
15°	3662.8	3789.7	3866.4	3851.4	3824.7	3799.7	3764.6	3709.6	3659.5	3419.2	3225.6
17.5°	3409.2	3539.4	3602.8	3607.8	3607.8	3601.1	3516.0	3496.0	3489.3	3372.5	3254.0
20°	3455.9	3527.7	3499.3	3452.6	3465.9	3511.0	3460.9	3450.9	3489.3	3541.0	3519.3
22.5°	3482.6	3457.6	3244.0	3037.1	2990.3	3130.5	3158.9	3270.7	3425.9	3612.8	3734.6
25°	3317.4	3115.5	2733.4	2499.7	2367.9	2498.1	2668.3	2875.2	3107.2	3347.4	3489.3
27.5°	2773.4	2619.9	2346.2	2136.0	2020.8	2040.8	2186.0	2374.6	2589.9	2751.7	2855.2
30°	2089.2	2020.8	1879.0	1807.2	1737.1	1720.4	1782.2	1853.9	1949.1	1969.1	1995.8
32.5°	1538.6	1528.5	1536.9	1513.5	1500.2	1498.5	1480.2	1496.8	1506.9	1518.5	1495.2
35°	1391.7	1378.4	1355.0	1348.3	1340.0	1343.3	1335.0	1326.6	1333.3	1343.3	1350.0
37.5°	1316.6	1296.6	1263.2	1251.5	1251.5	1256.5	1243.2	1239.9	1251.5	1283.2	1299.9
40°	1258.2	1234.9	1196.5	1181.5	1191.5	1204.8	1186.5	1179.8	1208.2	1241.5	1268.2
42.5°	1203.1	1184.8	1148.1	1131.4	1139.7	1164.8	1138.1	1133.1	1169.8	1206.5	1238.2
45°	1156.4	1138.1	1104.7	1096.3	1099.7	1123.0	1104.7	1104.7	1139.7	1179.8	1208.2
47.5°	1119.7	1096.3	1074.7	1068.0	1071.3	1084.7	1081.3	1081.3	1114.7	1156.4	1184.8
50°	1083.0	1063.0	1034.6	1037.9	1046.3	1064.6	1063.0	1068.0	1101.4	1153.1	1183.1
52.5°	1066.3	1036.3	1004.6	1007.9	1032.9	1054.6	1048.0	1053.0	1091.3	1188.1	1231.5
55°	1048.0	1007.9	971.2	976.2	1004.6	1036.3	1027.9	1034.6	1079.7	1211.5	1271.6
57.5°	1012.9	966.2	926.1	929.5	971.2	1004.6	991.2	999.6	1053.0	1186.5	1249.9
58°	997.9	957.8	919.5	921.1	961.2	997.9	982.9	989.6	1044.6	1179.8	1239.9
60°	934.5	911.1	877.7	879.4	917.8	949.5	941.2	947.8	1001.2	1131.4	1176.4
62.5°	847.7	834.4	826.0	826.0	849.4	879.4	887.8	896.1	944.5	1022.9	1063.0
65°	754.3	754.3	755.9	755.9	770.9	809.3	814.3	836.0	881.1	919.5	949.5
67.5°	690.8	687.5	690.8	682.5	689.2	712.5	737.6	757.6	804.3	831.0	841.0
70°	609.1	607.4	609.1	597.4	605.7	625.8	642.5	675.8	724.2	744.2	749.3
72.5°	529.0	529.0	532.3	524.0	524.0	545.7	557.4	594.1	639.1	650.8	652.5
75°	445.5	450.6	450.6	438.9	442.2	455.6	470.6	500.6	542.3	550.7	550.7
77.5°	353.8	372.1	372.1	360.4	365.4	367.1	387.1	402.2	433.9	437.2	423.9
80°	257.0	275.3	290.4	280.3	288.7	278.7	290.4	300.4	332.1	317.1	295.4
82.5°	183.6	196.9	208.6	210.3	201.9	183.6	198.6	200.2	215.3	195.2	183.6
85°	101.8	113.5	128.5	121.8	108.5	96.8	101.8	105.1	103.5	98.5	91.8
87.5°	26.7	28.4	31.7	23.4	21.7	18.4	25.0	25.0	28.4	30.0	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8
2.5°	5405.0	5478.4	5636.9	5757.1	5903.9	6082.5	6292.7	6504.7	6733.3	6805.0	6905.2
5°	4472.2	4655.7	4732.5	4951.1	5168.0	5493.4	5840.5	6242.7	6683.2	6895.1	7098.7
7.5°	3821.4	3919.8	3999.9	4160.1	4420.4	4815.9	5251.5	5753.7	6377.8	6686.6	6985.3
10°	3470.9	3480.9	3579.4	3778.0	4004.9	4353.7	4765.9	5328.2	6024.1	6399.5	6750.0
12.5°	3239.0	3195.6	3302.4	3509.3	3766.3	4088.4	4467.2	5002.8	5768.8	6154.2	6578.1
15°	3035.4	2967.0	3047.1	3259.0	3512.7	3891.5	4298.6	4866.0	5668.6	6117.5	6588.1
17.5°	3040.4	2851.8	2880.2	3058.8	3310.7	3696.2	4190.2	4861.0	5820.5	6337.8	6895.1
20°	3415.9	3113.8	2985.3	3018.7	3262.3	3682.9	4240.2	5094.6	6319.4	7073.7	7669.4
22.5°	3784.7	3602.8	3395.8	3327.4	3460.9	3901.5	4558.9	5646.9	7404.1	8540.5	9616.8
25°	3656.2	3811.4	3759.6	3662.8	3692.9	4058.3	4775.9	6100.8	8246.8	9526.7	10538.0
27.5°	2925.3	3207.3	3264.0	3262.3	3274.0	3574.4	4295.3	5795.5	8351.9	9715.3	10681.5
30°	2055.9	2080.9	2110.9	2169.3	2222.7	2491.4	3360.8	5087.9	8305.2	9800.4	10768.2
32.5°	1483.5	1516.9	1558.6	1638.7	1765.5	2107.6	2940.3	4862.6	8552.2	10152.5	11021.9
35°	1356.7	1395.0	1435.1	1526.9	1647.0	1964.1	2773.4	4769.2	8957.7	10723.2	11477.4
37.5°	1316.6	1360.0	1395.0	1461.8	1558.6	1860.6	2621.6	4705.8	9373.2	11327.3	12088.2
40°	1288.3	1338.3	1366.7	1420.1	1486.8	1765.5	2486.4	4655.7	9775.4	11879.6	12578.8
42.5°	1263.2	1315.0	1351.7	1390.0	1445.1	1680.4	2366.2	4605.7	10124.1	12415.3	13067.7
45°	1233.2	1298.3	1345.0	1375.0	1423.4	1608.6	2274.5	4565.6	10521.3	12890.9	13561.7
47.5°	1208.2	1279.9	1338.3	1373.4	1391.7	1558.6	2201.0	4620.7	10998.5	13388.1	14020.6
50°	1209.8	1278.2	1351.7	1406.7	1358.3	1516.9	2156.0	4839.3	11619.3	13978.9	14382.7
52.5°	1263.2	1346.7	1405.1	1418.4	1311.6	1466.8	2132.6	5221.4	12353.5	14501.2	14748.1
55°	1323.3	1410.1	1473.5	1465.1	1286.6	1403.4	2127.6	5628.6	13157.8	15110.2	15223.7
57.5°	1301.6	1428.4	1525.2	1481.8	1288.3	1341.6	2105.9	5957.3	13830.3	15565.8	15694.3
58°	1294.9	1421.7	1531.9	1478.5	1283.2	1323.3	2100.9	5985.7	13923.8	15597.5	15761.0
60°	1229.8	1363.3	1526.9	1453.5	1254.9	1273.2	2045.8	6077.5	13898.8	15434.0	15801.1
62.5°	1111.4	1221.5	1411.7	1331.6	1168.1	1206.5	1922.4	5964.0	13221.3	14646.3	15215.4
65°	977.9	1059.6	1186.5	1171.4	1044.6	1138.1	1753.8	5515.1	11864.6	13368.1	13967.2
67.5°	877.7	944.5	1024.6	1002.9	939.5	1046.3	1571.9	4755.8	10342.7	11832.9	12587.1
70°	776.0	827.7	867.7	852.7	832.7	956.2	1410.1	3859.7	8884.3	10374.4	11105.3
72.5°	672.5	720.9	754.3	732.6	720.9	861.1	1278.2	2995.4	7017.0	8558.9	9498.3
75°	562.4	610.8	634.1	609.1	602.4	759.3	1083.0	2237.8	5264.8	6598.1	7409.1
77.5°	435.5	487.3	517.3	509.0	512.3	624.1	874.4	1531.9	3764.6	4497.2	5351.6
80°	305.4	362.1	382.1	373.8	397.2	475.6	617.4	972.9	2596.5	2918.6	3521.0
82.5°	188.6	242.0	245.3	253.6	270.3	352.1	465.6	592.4	1630.3	1685.4	2122.6
85°	95.1	115.1	123.5	136.8	151.9	215.3	265.3	367.1	1049.6	794.3	1186.5
87.5°	31.7	33.4	40.0	50.1	61.7	88.4	113.5	150.2	260.3	143.5	367.1
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: P456875

CATALOG NUMBER: GLAN-SA8A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8	6347.8
2.5°	7107.1	7248.9	7352.4	7447.5	7355.7	7347.4	7257.3	7112.1	7052.0	7052.0
5°	7525.9	7858.0	8126.7	8298.5	8225.1	8048.2	7756.2	7384.1	7183.8	7148.8
7.5°	7641.1	8296.9	8795.8	8972.7	8849.2	8458.7	7899.7	7272.3	6985.3	6921.8
10°	7571.0	8423.7	9156.3	9436.6	9264.7	8674.0	7911.4	7142.1	6788.3	6714.9
12.5°	7497.6	8440.4	9223.0	9628.5	9516.7	8847.5	7996.5	7057.0	6648.2	6543.0
15°	7551.0	8447.1	9141.2	9560.1	9631.8	9056.1	8136.7	7118.8	6619.8	6508.0
17.5°	7888.0	8573.9	9024.4	9363.2	9615.2	9339.8	8535.5	7414.1	6873.5	6734.9
20°	8592.2	8877.6	9091.2	9353.2	9758.7	9918.9	9351.5	8225.1	7586.0	7464.2
22.5°	10631.4	10579.7	10142.5	10137.5	10724.9	11367.3	11328.9	9873.8	8912.6	8812.5
25°	11395.7	11155.4	10522.9	10369.4	10628.1	11619.3	11475.8	10210.9	9323.1	9079.5
27.5°	11097.0	10501.2	10085.7	10050.7	9965.6	10901.7	11247.2	10347.7	9466.6	9229.7
30°	11078.6	10202.5	9608.5	9678.6	9760.3	10654.8	11374.0	10776.6	9833.8	9580.1
32.5°	11123.7	10244.3	9643.5	9656.9	9900.5	10691.5	11514.2	11243.8	10316.0	10062.4
35°	11305.6	10481.2	9867.1	9835.4	10215.9	10931.8	11752.8	11978.1	10975.2	10686.5
37.5°	11599.3	10953.5	10276.0	10267.6	10820.0	11365.6	12049.8	12719.0	11631.0	11320.6
40°	12031.5	11505.8	11003.5	10958.5	11641.0	12071.5	12435.3	13508.3	12393.6	11994.8
42.5°	12553.8	12168.3	11963.0	12141.6	12797.4	12864.2	13036.0	14237.5	13042.7	12578.8
45°	13037.7	13019.3	13304.7	13778.6	14160.7	13760.3	13663.5	14726.4	13546.7	13042.7
47.5°	13613.4	14110.7	14971.7	15665.9	16066.4	14803.2	14199.1	15045.2	13913.8	13449.9
50°	14197.5	15417.3	16792.3	17760.2	17845.3	15936.3	14567.9	15345.5	14247.5	13765.3
52.5°	14811.5	16460.2	18290.8	19415.5	19250.3	16922.5	14925.0	15549.1	14591.3	14167.4
55°	15345.5	17099.4	19128.5	20208.2	19966.2	17523.2	15310.5	15769.4	15081.9	14724.8
57.5°	15644.2	17152.8	18919.9	19862.8	19600.8	17406.4	15487.4	15932.9	15395.6	15115.3
58°	15687.6	17081.0	18734.7	19662.5	19395.5	17308.0	15485.7	15926.3	15415.6	15133.6
60°	15649.2	16615.4	18045.5	18871.5	18591.2	16690.5	15422.3	15801.1	15162.0	14923.4
62.5°	15293.8	15807.8	16855.7	17456.5	17376.4	15726.0	15162.0	15328.9	14389.4	14159.1
65°	14826.6	14706.4	15332.2	15757.7	15817.8	15003.4	14903.3	14307.6	13398.1	13072.7
67.5°	14259.2	13458.2	13456.5	13698.5	13798.6	13892.1	14364.3	13197.9	11969.7	11626.0
70°	13296.4	11534.2	11003.5	11288.9	11205.4	11994.8	13401.5	11639.3	10247.6	9845.4
72.5°	11530.8	9152.9	8303.5	8670.7	8460.4	9406.6	11726.1	9578.4	8473.8	7979.8
75°	9346.5	6846.8	5970.7	6307.8	6177.6	7135.4	9757.0	6956.9	6077.5	5888.9
77.5°	7257.3	4961.1	4452.1	4405.4	4502.2	5309.9	7157.1	4697.4	4006.6	3878.1
80°	4662.4	3551.0	3581.1	3521.0	3571.1	3347.4	4345.3	2997.0	2713.3	2609.9
82.5°	3068.8	2474.7	2950.3	2723.3	2586.5	2251.1	2850.2	1962.4	1665.4	1608.6
85°	2090.9	1822.2	1658.7	1268.2	1493.5	1733.8	2137.6	1056.3	837.7	759.3
87.5°	944.5	634.1	465.6	287.0	453.9	524.0	1037.9	123.5	95.1	98.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)