

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: P648824

Luminaire Tested: **GLAN-SA3C-835-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648824
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-SA3C-835-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 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: 12239.1 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

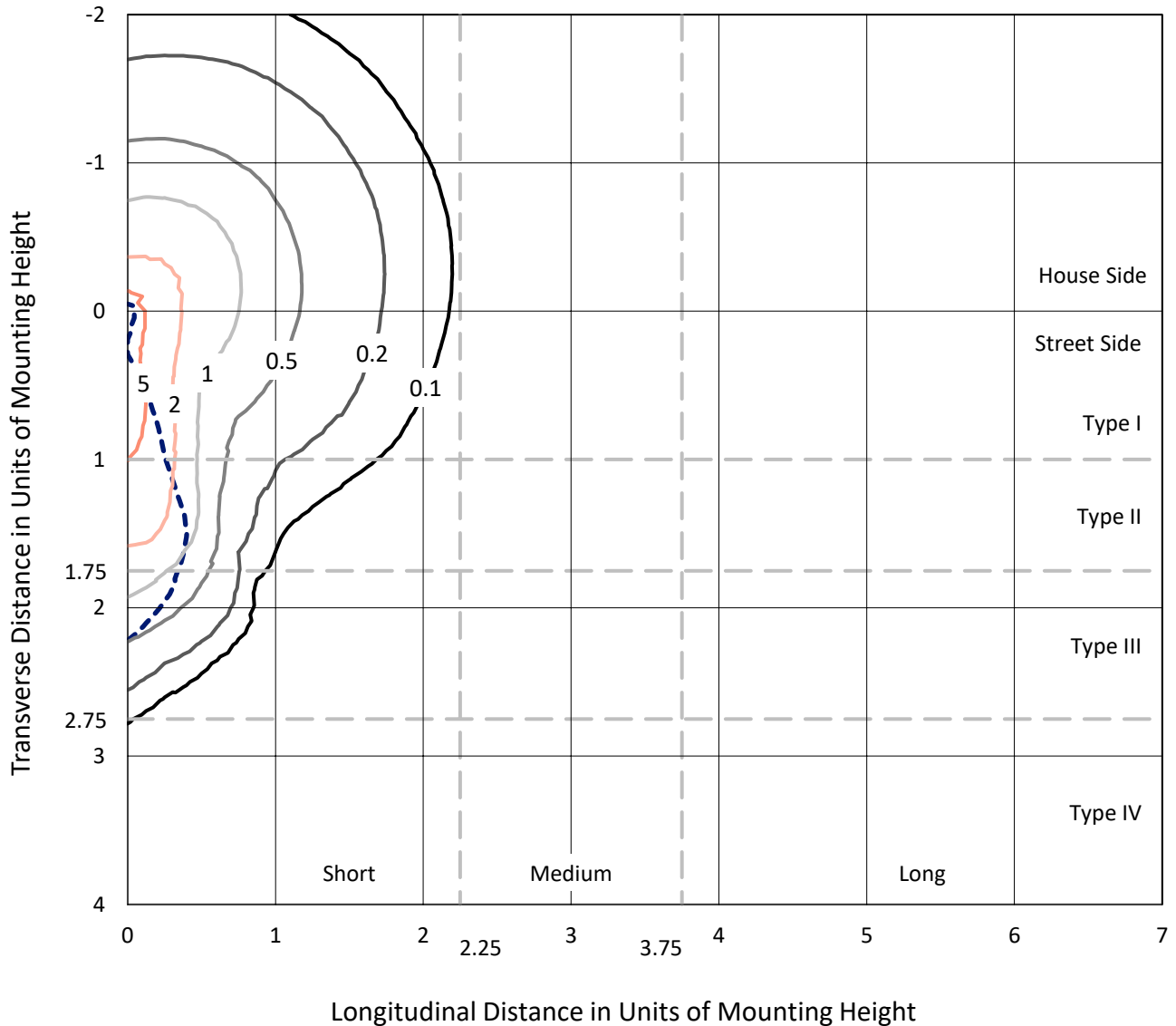
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

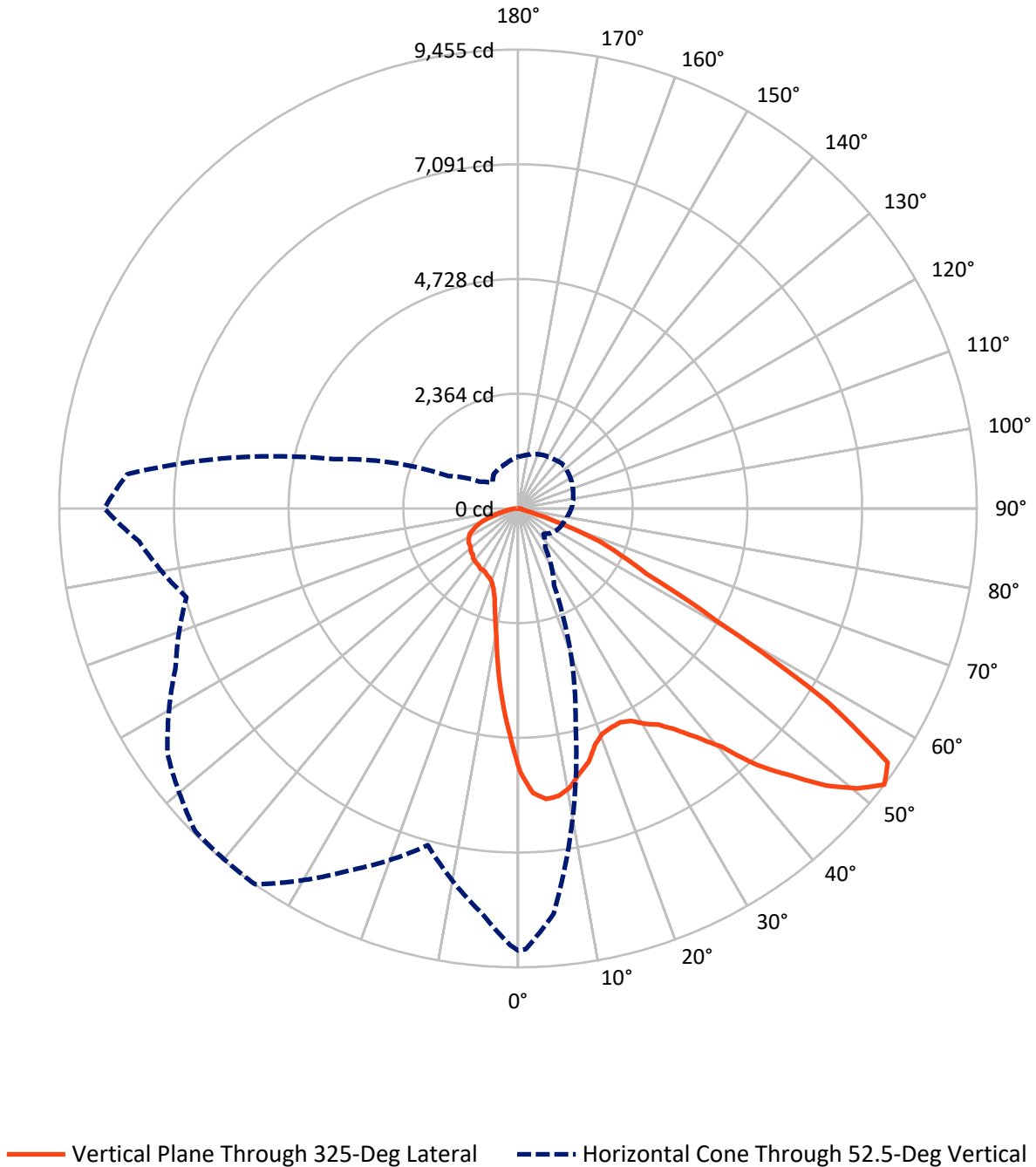
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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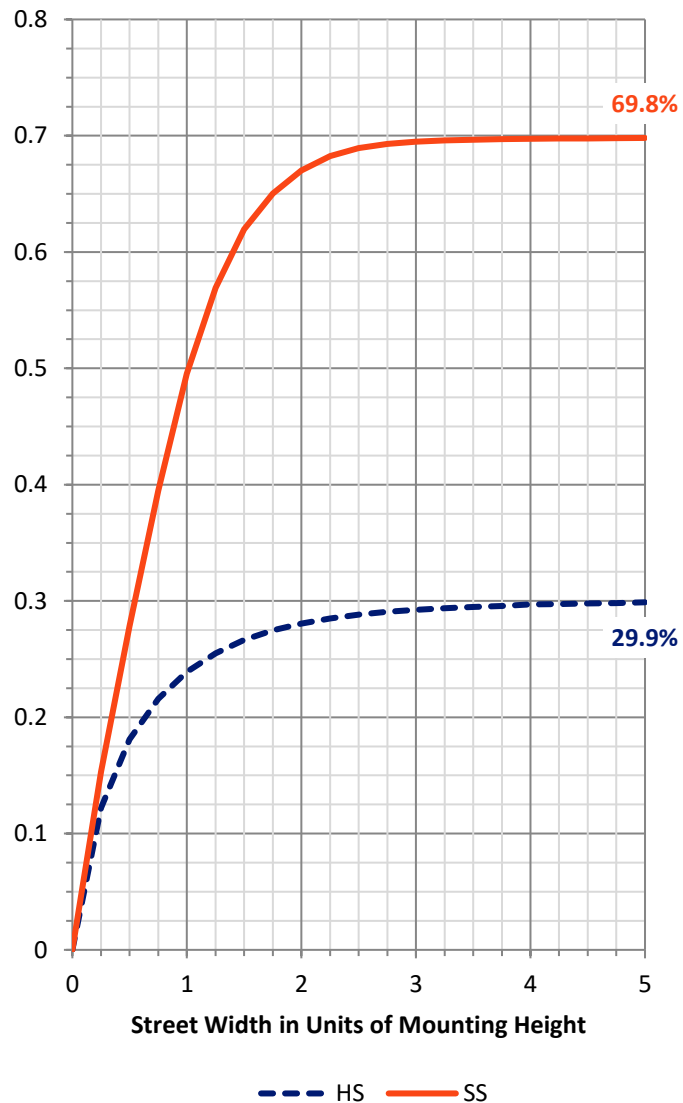
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3689.6	0.0	3689.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	8549.5	0.0	8549.5
	% Fixture	69.9	0.0	69.9
Total	Lumens	12239.1	0.0	12239.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.4	3.4
10°-20°	898.4	7.3
20°-30°	1357.3	11.1
30°-40°	1961.4	16.0
40°-50°	2610.3	21.3
50°-60°	2919.7	23.9
60°-70°	1645.5	13.4
70°-80°	366.8	3.0
80°-90°	65.3	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°	12239.1	100.0
0°-180°	12239.1	100.0

Coefficient of Utilization



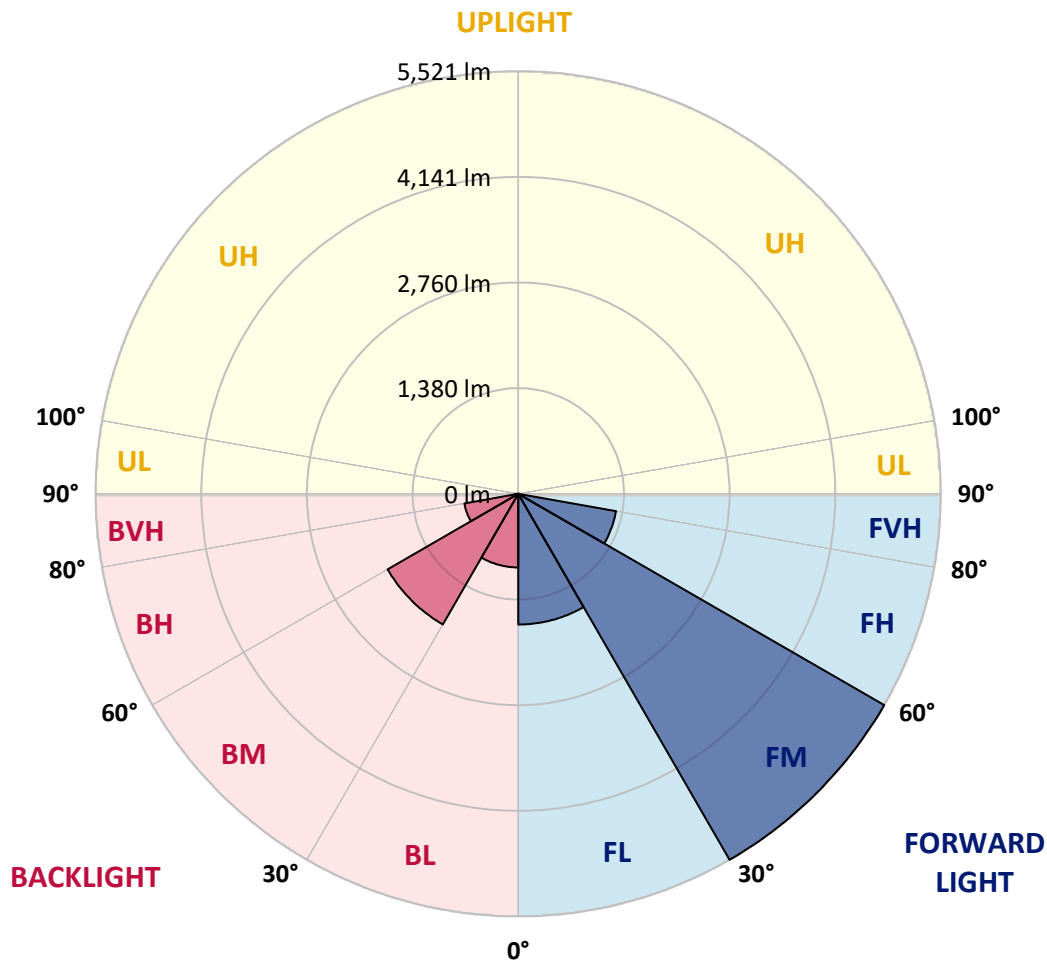
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1707.9	14.0			
FM (30°-60°)	5520.8	45.1			
FH (60°-80°)	1297.2	10.6			G1/1800
FVH (80°-90°)	23.6	0.2			G1/100
BL (0°-30°)	962.2	7.9	B2/1000		
BM (30°-60°)	1970.6	16.1	B2/2500		
BH (60°-80°)	715.2	5.8	B2/1000		G2/1000
BVH (80°-90°)	41.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7
2.5°	5522.3	5611.0	5515.1	5344.8	5224.3	5114.2	4998.9	4975.9	4825.1	4798.5	4688.5
5°	5208.3	5188.8	5071.6	4848.2	4601.6	4378.1	4213.1	4053.4	3945.2	3819.2	3810.4
7.5°	4826.9	4713.3	4645.9	4307.1	4002.0	3650.7	3499.9	3257.0	3180.6	3067.1	3008.6
10°	4486.3	4402.9	4245.0	3906.2	3480.4	3248.0	3086.7	2955.4	2866.6	2749.6	2602.4
12.5°	4317.8	4284.0	4106.7	3581.6	3265.8	3017.4	2903.9	2776.2	2625.4	2437.4	2364.7
15°	4347.9	4234.4	4099.6	3519.5	3083.1	2843.6	2662.7	2503.0	2309.7	2130.5	2025.9
17.5°	4573.2	4486.3	4216.6	3558.5	3013.9	2668.0	2339.8	2103.8	1930.0	1768.6	1695.9
20°	5016.7	4890.7	4587.4	3608.1	2864.9	2423.2	2047.2	1756.2	1569.9	1484.8	1460.0
22.5°	5508.1	5433.6	4949.3	3720.0	2746.1	2196.2	1736.7	1445.7	1376.6	1353.5	1399.6
25°	6105.8	5912.5	5511.6	3902.6	2653.8	2002.8	1474.2	1312.7	1277.2	1300.3	1353.5
27.5°	6560.0	6508.5	5905.4	4074.7	2527.8	1770.4	1326.9	1220.5	1231.1	1254.1	1303.9
30°	7099.3	6838.5	6286.8	4193.6	2414.3	1610.7	1224.0	1195.6	1206.3	1245.3	1270.1
32.5°	7423.9	7326.3	6526.3	4372.7	2283.1	1472.4	1144.2	1117.6	1133.5	1192.1	1250.6
35°	7837.2	7643.9	6822.5	4418.9	2190.8	1417.4	1087.4	1067.9	1105.1	1145.9	1211.6
37.5°	8319.8	8186.7	7232.3	4386.9	2141.1	1360.6	1039.5	1030.7	1057.3	1114.1	1190.3
40°	8605.3	8564.5	7447.0	4406.4	2063.0	1310.9	984.5	995.2	1050.2	1094.5	1169.0
42.5°	8880.3	8614.2	7764.5	4399.4	2013.4	1243.6	989.9	977.4	1020.0	1071.5	1142.4
45°	8940.6	8676.3	7839.0	4349.6	1953.1	1177.9	949.1	954.4	1005.8	1069.7	1115.8
47.5°	8901.6	8706.5	7977.4	4335.5	1896.3	1131.7	888.7	952.6	982.7	1034.2	1099.8
50°	8875.0	8864.3	8094.4	4402.9	1820.1	1059.0	816.0	929.6	959.7	1011.2	1082.1
52.5°	9109.1	9086.1	8387.2	4580.3	1759.7	981.0	741.5	871.0	943.7	993.4	1062.6
55°	9251.1	9149.9	8889.2	4798.5	1658.6	878.1	690.1	798.3	904.7	949.1	1020.0
57.5°	8321.5	8252.4	8041.3	4479.2	1488.3	743.3	626.2	723.7	851.5	920.7	993.4
60°	6923.7	6815.5	6274.4	3806.9	1098.1	578.3	587.2	665.2	837.3	863.9	949.1
62.5°	6528.0	6260.2	5524.0	3063.6	842.6	496.7	526.9	612.0	762.8	807.1	892.3
65°	5179.9	4981.2	3952.3	2212.1	564.1	431.0	480.8	551.7	658.1	745.0	823.1
67.5°	3242.7	3052.9	2109.2	1046.6	393.8	368.9	429.3	503.8	590.7	668.8	755.7
70°	1694.1	1486.5	973.9	377.9	271.4	301.5	358.3	429.3	514.4	578.3	645.7
72.5°	631.5	512.6	317.5	163.2	188.0	230.6	291.0	342.4	402.7	480.8	518.0
75°	97.6	83.4	81.6	99.4	127.7	166.8	207.6	259.0	312.2	361.9	386.7
77.5°	46.1	44.3	49.6	65.6	85.1	118.9	150.8	200.4	243.0	275.0	289.2
80°	30.1	28.3	31.9	44.3	63.9	88.7	120.7	154.3	193.3	219.9	216.4
82.5°	17.8	19.5	19.5	30.1	44.3	63.9	86.9	117.1	143.7	166.8	152.5
85°	10.6	8.8	8.8	17.8	30.1	51.4	72.7	49.6	51.4	51.4	58.6
87.5°	3.5	3.5	3.5	1.8	3.5	3.5	5.3	8.8	10.6	12.4	16.0
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°	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7
2.5°	4684.9	4740.0	4720.4	4651.3	4704.5	4713.3	4677.9	4800.3	4823.3	4786.1	4796.7
5°	3798.0	3812.2	3844.1	3911.6	3959.4	4016.2	4016.2	4019.8	3971.8	4092.4	4057.0
7.5°	2958.9	2967.8	3005.1	3148.8	3189.6	3297.8	3343.9	3311.9	3216.2	3175.3	3209.0
10°	2554.5	2503.0	2490.6	2508.3	2600.6	2646.7	2685.8	2675.1	2659.1	2627.2	2591.7
12.5°	2284.8	2247.6	2217.4	2174.9	2180.2	2224.5	2254.6	2229.8	2237.0	2244.0	2254.6
15°	1992.1	1965.5	1949.5	1885.7	1878.6	1908.7	1919.4	1933.6	1960.2	1962.0	1949.5
17.5°	1681.6	1658.6	1694.1	1729.6	1704.7	1706.5	1726.0	1738.4	1731.4	1699.4	1683.4
20°	1468.8	1493.7	1529.1	1562.9	1589.4	1605.4	1612.5	1593.0	1569.9	1504.3	1502.5
22.5°	1406.7	1438.7	1468.8	1520.3	1545.1	1585.9	1548.6	1504.3	1472.4	1440.4	1403.2
25°	1360.6	1387.2	1447.5	1467.0	1514.9	1548.6	1522.0	1477.7	1422.7	1376.6	1348.2
27.5°	1326.9	1357.1	1396.1	1449.3	1486.5	1506.1	1479.5	1461.7	1404.9	1350.0	1309.2
30°	1305.6	1337.5	1408.5	1452.9	1484.8	1500.8	1454.7	1433.4	1392.6	1346.4	1310.9
32.5°	1291.4	1319.8	1380.1	1436.9	1458.2	1458.2	1465.2	1440.4	1383.6	1305.6	1275.4
35°	1245.3	1284.4	1334.0	1399.6	1438.7	1461.7	1426.2	1397.9	1360.6	1280.8	1225.8
37.5°	1218.7	1245.3	1309.2	1371.3	1404.9	1429.8	1415.6	1365.9	1316.2	1250.6	1206.3
40°	1190.3	1232.9	1289.7	1348.2	1385.4	1410.3	1399.6	1341.1	1280.8	1218.7	1188.5
42.5°	1170.8	1199.2	1257.7	1323.3	1367.7	1415.6	1383.6	1310.9	1268.4	1183.2	1149.5
45°	1154.8	1201.0	1263.1	1289.7	1335.8	1385.4	1328.7	1284.4	1234.6	1172.5	1144.2
47.5°	1135.4	1177.9	1218.7	1289.7	1310.9	1334.0	1323.3	1252.4	1209.8	1142.4	1122.9
50°	1128.2	1144.2	1218.7	1257.7	1287.9	1310.9	1282.6	1229.3	1188.5	1119.4	1076.8
52.5°	1099.8	1130.0	1177.9	1229.3	1266.6	1295.0	1248.9	1215.1	1160.2	1087.4	1060.8
55°	1064.3	1082.1	1167.2	1220.5	1240.0	1259.5	1241.8	1186.8	1130.0	1055.5	1028.9
57.5°	1018.2	1059.0	1128.2	1202.7	1227.6	1238.2	1209.8	1165.5	1094.5	1028.9	986.3
60°	970.4	1012.9	1089.2	1149.5	1174.3	1213.3	1170.8	1144.2	1062.6	989.9	943.7
62.5°	922.5	970.4	1027.1	1103.4	1124.7	1140.7	1130.0	1092.8	1027.1	945.5	888.7
65°	865.7	901.2	972.1	1011.2	1025.3	1062.6	1025.3	1011.2	952.6	874.5	826.6
67.5°	780.5	810.7	872.8	910.0	920.7	936.6	934.8	918.9	853.2	800.1	757.5
70°	682.9	709.6	748.6	792.9	798.3	817.8	800.1	796.5	754.0	681.2	658.1
72.5°	548.2	573.0	624.4	643.9	645.7	652.8	643.9	631.5	620.8	544.6	521.6
75°	420.4	434.6	459.5	477.2	477.2	486.1	480.8	468.3	440.0	392.0	368.9
77.5°	292.7	306.9	338.8	349.5	347.7	351.3	335.3	322.8	280.3	255.4	235.9
80°	212.9	221.7	237.7	244.8	246.6	251.9	232.4	221.7	196.9	168.5	159.7
82.5°	154.3	159.7	161.5	170.3	170.3	161.5	156.1	145.5	127.7	110.0	102.9
85°	63.9	65.6	67.4	78.1	79.9	95.8	88.7	83.4	72.7	62.1	56.8
87.5°	16.0	17.8	23.1	19.5	23.1	23.1	24.8	28.3	28.3	23.1	23.1
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°	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7
2.5°	4837.5	4851.7	5032.7	5055.7	5144.4	5234.9	5417.6	5548.9	5655.3	5724.5	5744.0
5°	4094.2	4184.7	4268.1	4402.9	4525.3	4699.2	4899.6	5147.9	5460.2	5619.8	5683.6
7.5°	3205.5	3311.9	3432.6	3563.8	3743.0	4055.2	4323.1	4610.5	5009.6	5174.5	5424.7
10°	2616.6	2735.4	2895.1	2996.1	3212.6	3510.6	3822.8	4154.5	4535.9	4773.6	5062.8
12.5°	2313.2	2410.8	2558.0	2770.9	2932.3	3125.7	3358.1	3776.7	4323.1	4548.4	4747.0
15°	1977.9	2086.1	2256.4	2492.4	2685.8	2916.4	3177.1	3633.0	4214.9	4562.5	4731.0
17.5°	1701.2	1779.3	1958.4	2162.4	2384.2	2636.0	3010.3	3625.9	4328.4	4773.6	5048.6
20°	1509.6	1520.3	1617.8	1791.7	2093.3	2421.4	2907.4	3590.4	4692.0	5137.3	5485.0
22.5°	1389.0	1378.3	1380.1	1527.3	1738.4	2210.3	2746.1	3711.0	5105.4	5715.6	5949.8
25°	1328.7	1300.3	1282.6	1314.5	1506.1	1960.2	2623.7	3870.7	5550.6	6192.8	6480.2
27.5°	1296.7	1247.1	1211.6	1216.9	1357.1	1834.3	2547.3	3939.9	5992.3	6858.0	6959.1
30°	1284.4	1222.3	1170.8	1153.0	1245.3	1658.6	2384.2	4058.8	6387.9	7223.4	7310.4
32.5°	1240.0	1163.7	1114.1	1098.1	1135.4	1504.3	2267.1	4143.9	6737.4	7620.8	7590.6
35°	1188.5	1124.7	1062.6	1032.5	1059.0	1404.9	2173.1	4103.1	7148.9	7929.4	7913.5
37.5°	1183.2	1099.8	1048.4	998.7	996.9	1282.6	2045.4	4142.1	7411.5	8482.9	8264.7
40°	1137.1	1083.9	1016.5	975.7	952.6	1220.5	1921.2	4049.9	7796.4	8706.5	8491.8
42.5°	1138.9	1059.0	1000.5	952.6	929.6	1130.0	1836.1	4025.0	7931.2	9070.1	8598.3
45°	1110.5	1032.5	982.7	926.0	913.6	1060.8	1754.4	3909.8	8169.0	9087.8	8465.2
47.5°	1082.1	1012.9	959.7	892.3	863.9	1036.0	1690.6	3813.9	8044.8	8921.1	8280.7
50°	1062.6	982.7	933.1	885.2	805.4	993.4	1607.2	3790.9	7871.0	8695.8	7938.4
52.5°	1028.9	957.9	906.5	869.2	741.5	954.4	1575.2	3925.7	8083.8	8527.3	7839.0
55°	996.9	924.3	858.6	785.8	688.3	851.5	1486.5	4051.6	8394.2	8915.8	8289.5
57.5°	963.2	894.0	823.1	736.2	636.8	745.0	1394.3	4074.7	7812.4	8239.9	7869.2
60°	918.9	830.2	777.0	663.4	581.8	617.3	1105.1	3592.2	6059.7	6881.1	6893.5
62.5°	869.2	773.4	727.3	594.3	525.1	532.2	901.2	3019.2	4915.6	5696.1	6034.9
65°	803.6	711.4	656.4	549.9	484.3	461.2	659.9	2212.1	3734.1	4621.1	5006.0
67.5°	718.5	631.5	562.4	479.0	432.8	395.6	450.6	1245.3	2205.0	3102.6	3219.7
70°	628.0	553.5	480.8	411.5	360.1	333.5	330.0	551.7	1053.7	1669.3	1899.9
72.5°	494.9	441.7	383.2	331.8	298.0	259.0	235.9	228.9	356.6	679.4	938.4
75°	354.8	310.5	276.7	243.0	218.2	196.9	179.2	163.2	149.0	170.3	234.2
77.5°	223.5	207.6	181.0	172.1	157.9	152.5	145.5	136.6	126.0	118.9	118.9
80°	150.8	140.2	131.3	129.5	124.2	122.4	124.2	115.3	104.7	95.8	99.4
82.5°	101.1	99.4	97.6	95.8	97.6	99.4	102.9	101.1	92.2	86.9	88.7
85°	60.3	63.9	67.4	70.9	78.1	69.2	56.8	47.9	42.6	39.0	37.3
87.5°	23.1	31.9	28.3	26.6	28.3	26.6	24.8	23.1	19.5	17.8	17.8
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: P648824

CATALOG NUMBER: GLAN-SA3C-835-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7	5431.7
2.5°	5873.5	5909.0	5939.1	5932.0	5869.9	5786.5	5752.9	5580.8	5545.3	5522.3
5°	5953.3	6159.1	6203.5	6176.9	6015.4	5811.4	5612.7	5360.8	5213.6	5208.3
7.5°	5806.1	6059.7	6139.6	6199.9	5985.3	5630.5	5289.9	4912.0	4819.8	4826.9
10°	5431.7	5836.2	6033.2	6095.3	5848.6	5541.8	5069.9	4686.7	4489.8	4486.3
12.5°	5224.3	5541.8	5596.7	5683.6	5611.0	5300.5	4942.1	4512.9	4321.3	4317.8
15°	5039.7	5249.1	5265.0	5387.4	5426.4	5217.1	4975.9	4518.2	4363.9	4347.9
17.5°	5201.2	5055.7	4995.4	5011.4	5126.7	5203.0	5171.0	4819.8	4661.9	4573.2
20°	5309.4	4984.7	4802.1	4819.8	4956.4	5234.9	5461.9	5256.1	5006.0	5016.7
22.5°	5598.5	4995.4	4709.8	4690.2	4906.7	5401.6	5790.1	5807.8	5566.6	5508.1
25°	6031.4	5117.8	4681.4	4676.1	4883.6	5580.8	6173.3	6460.7	6214.0	6105.8
27.5°	6379.0	5309.4	4770.1	4787.8	4956.4	5726.2	6499.7	6881.1	6693.0	6560.0
30°	6684.2	5508.1	4894.3	4812.7	5151.5	5802.5	6639.8	7360.0	7209.2	7099.3
32.5°	6810.1	5790.1	5091.1	4956.4	5312.9	5894.7	6930.7	7824.8	7695.3	7423.9
35°	7023.0	5948.0	5197.6	5187.0	5595.0	6116.5	7067.4	8131.7	8078.4	7837.2
37.5°	7193.3	6107.6	5575.4	5458.4	5981.7	6489.0	7287.3	8555.7	8433.3	8319.8
40°	7324.6	6393.3	5928.5	6082.8	6457.1	6827.8	7489.6	8582.3	8935.3	8605.3
42.5°	7203.9	6648.7	6508.5	6877.6	7232.3	7214.6	7512.6	8788.1	9052.3	8880.3
45°	7173.8	7081.5	7425.7	7760.9	7842.5	7535.7	7347.6	8561.0	9016.9	8940.6
47.5°	7101.0	7507.2	8106.9	8653.2	8529.1	7750.3	7150.7	8520.2	9038.2	8901.6
50°	7076.2	7599.5	8610.7	9142.9	9068.3	7936.6	7058.4	8257.7	8887.4	8875.0
52.5°	7074.4	7789.4	8819.9	9408.9	9455.0	8231.1	7184.4	8390.7	9004.5	9109.1
55°	7154.3	7729.0	8793.4	9261.7	9243.9	8099.7	7198.6	8479.4	9148.2	9251.1
57.5°	6748.1	6923.7	7257.2	7627.9	7532.1	6709.0	6428.7	7839.0	8396.0	8321.5
60°	5827.4	5277.4	4901.3	4883.6	4697.4	4440.2	5261.4	6996.4	6996.4	6923.7
62.5°	5103.6	3464.5	2976.7	2838.3	2971.3	3267.6	5075.2	6804.8	6611.4	6528.0
65°	4463.2	2644.9	2151.8	2112.8	2343.4	2790.4	4589.2	5797.2	5456.6	5179.9
67.5°	2872.0	1937.1	1600.1	1530.9	1809.4	2048.9	3054.7	3565.6	3350.9	3242.7
70°	1852.0	1261.3	890.5	835.5	943.7	1263.1	1951.3	2079.0	1766.8	1694.1
72.5°	876.3	544.6	312.2	257.2	289.2	482.5	771.6	830.2	690.1	631.5
75°	278.5	200.4	127.7	110.0	104.7	124.2	177.4	136.6	99.4	97.6
77.5°	124.2	118.9	101.1	85.1	74.5	62.1	51.4	42.6	44.3	46.1
80°	102.9	94.0	83.4	74.5	62.1	47.9	37.3	28.3	28.3	30.1
82.5°	90.4	81.6	72.7	62.1	53.2	39.0	28.3	19.5	17.8	17.8
85°	39.0	46.1	49.6	53.2	42.6	31.9	19.5	12.4	10.6	10.6
87.5°	16.0	14.2	12.4	10.6	8.8	8.8	7.1	5.3	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)