

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: P452327

Luminaire Tested: **GLAN-SA3B-730-U-T2R**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-730-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15766 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 121
Input Voltage (V): NR
Input Current (A_{in}): 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

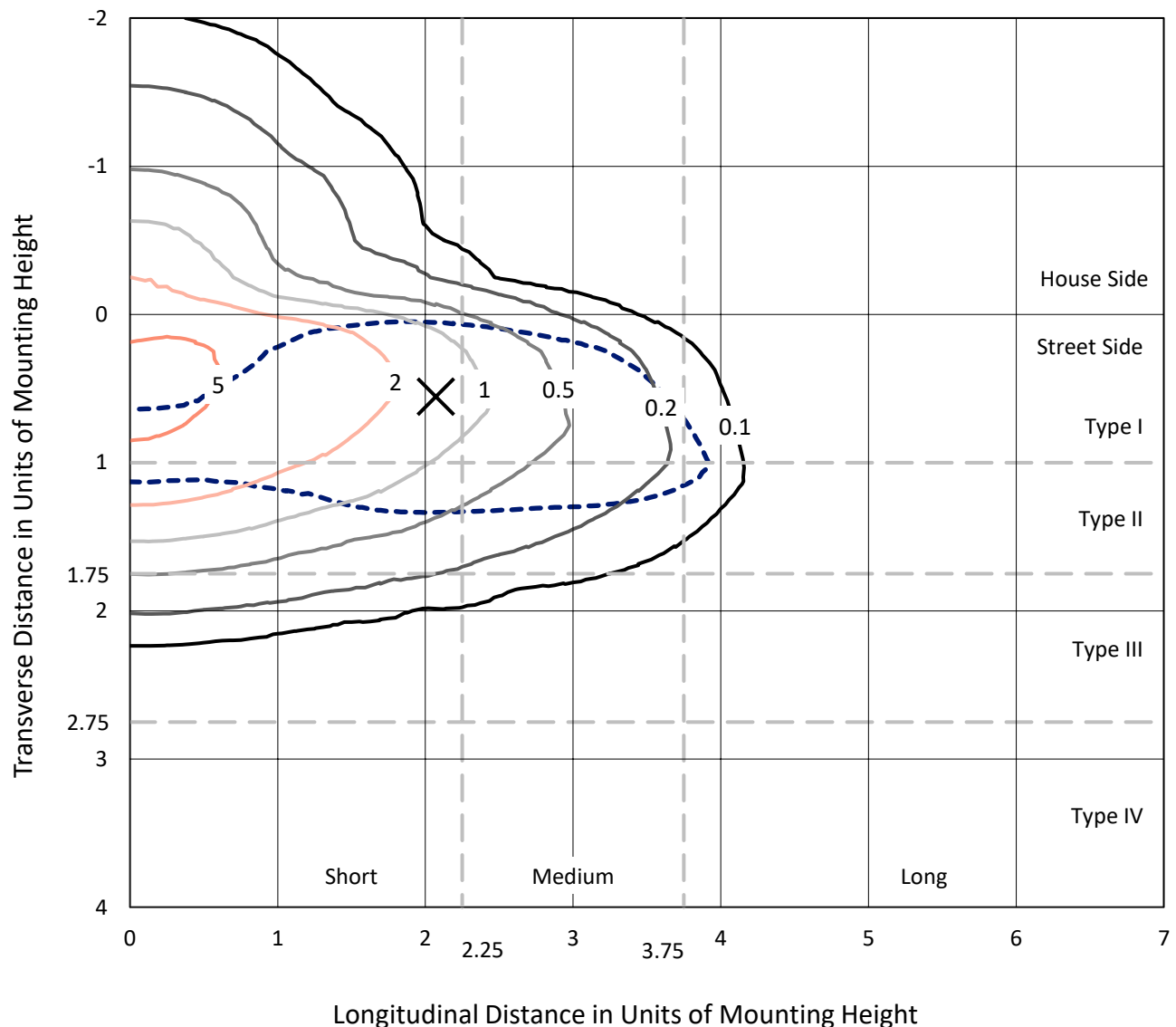


REPORT NUMBER: P452327

CATALOG NUMBER: GLAN-SA3B-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

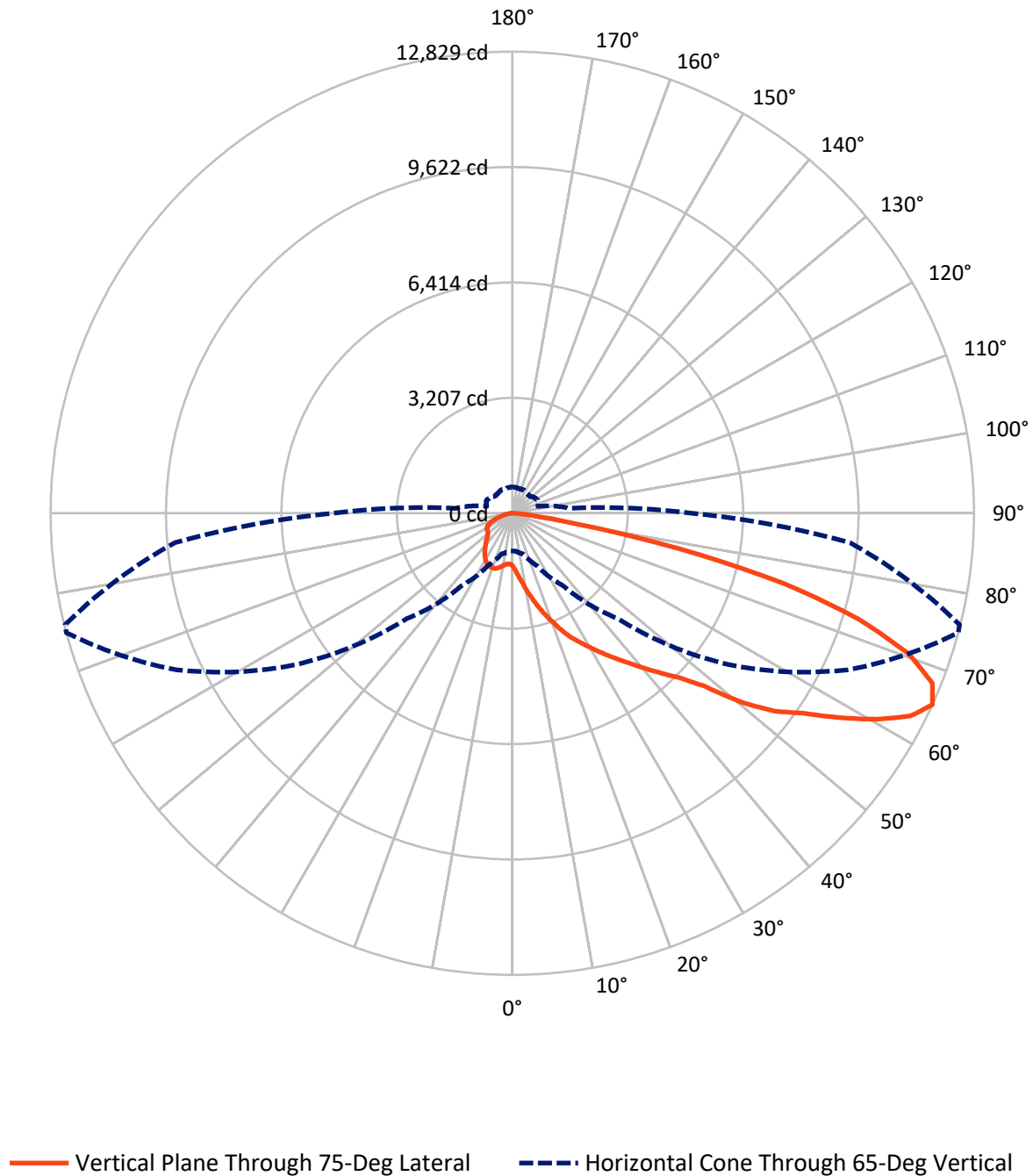


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

REPORT NUMBER: P452327

CATALOG NUMBER: GLAN-SA3B-730-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P452327

CATALOG NUMBER: GLAN-SA3B-730-U-T2R

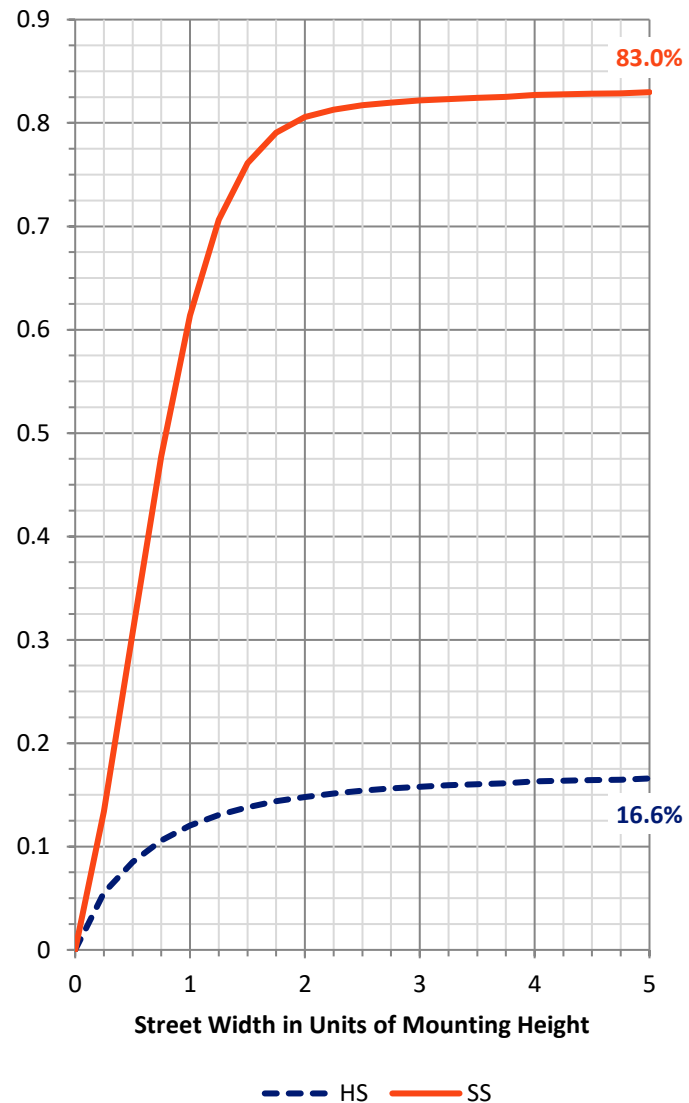
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2650.5	0.0	2650.5
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	13115.5	0.0	13115.5
	% Fixture	83.2	0.0	83.2
Total	Lumens	15766.0	0.0	15766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.0	1.1
10°-20°	697.1	4.4
20°-30°	1346.6	8.5
30°-40°	2187.3	13.9
40°-50°	3008.8	19.1
50°-60°	3552.3	22.5
60°-70°	3112.4	19.7
70°-80°	1485.9	9.4
80°-90°	197.7	1.3
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°	15766.0	100.0
0°-180°	15766.0	100.0

Coefficient of Utilization



REPORT NUMBER: P452327

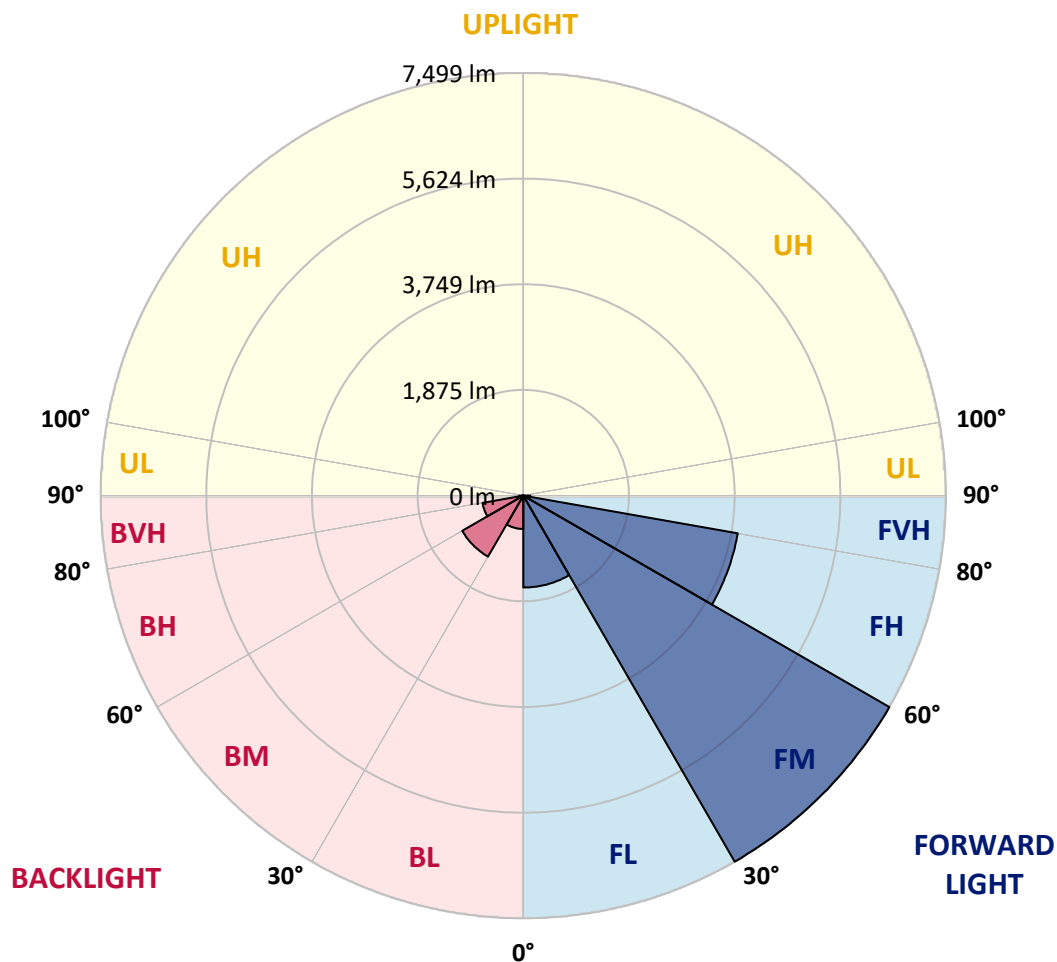
CATALOG NUMBER: GLAN-SA3B-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1630.0	10.3			
FM	(30°-60°)	7498.6	47.6			
FH	(60°-80°)	3863.4	24.5			G2/5000
FVH	(80°-90°)	123.6	0.8			G2/225
BL	(0°-30°)	591.7	3.8	B2/1000		
BM	(30°-60°)	1249.7	7.9	B2/2500		
BH	(60°-80°)	734.9	4.7	B2/1000		G2/1000
BVH	(80°-90°)	74.2	0.5			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 II Short



REPORT NUMBER: P452327

CATALOG NUMBER: GLAN-SA3B-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9
2.5°	1946.3	1933.5	1919.8	1882.2	1842.0	1796.7	1731.7	1669.2	1586.3	1583.7	1522.2
5°	2485.9	2477.4	2416.6	2381.6	2288.4	2164.4	2059.2	1895.9	1744.5	1726.5	1606.8
7.5°	2981.9	2948.5	2925.4	2862.2	2769.8	2610.8	2407.2	2186.6	1933.5	1909.5	1711.1
10°	3355.6	3352.2	3340.2	3285.5	3216.2	3058.0	2832.2	2515.8	2172.9	2125.9	1837.7
12.5°	3635.2	3637.8	3636.1	3635.2	3585.6	3451.4	3206.8	2873.3	2414.9	2381.6	1983.9
15°	3819.1	3844.7	3855.0	3897.7	3902.0	3812.2	3601.9	3218.8	2687.7	2638.1	2141.3
17.5°	3940.5	3953.3	4001.2	4073.9	4132.9	4116.7	3929.4	3538.6	2966.5	2883.5	2304.6
20°	4056.8	4079.0	4115.8	4215.0	4319.3	4367.2	4235.5	3866.1	3242.7	3189.7	2485.0
22.5°	4298.8	4330.4	4343.3	4393.7	4482.7	4567.3	4507.5	4179.9	3545.4	3473.6	2676.6
25°	4708.4	4741.8	4705.9	4693.9	4723.0	4764.9	4752.0	4475.8	3831.0	3728.4	2857.9
27.5°	5242.0	5246.3	5176.2	5109.5	5037.6	5016.3	4976.9	4738.3	4079.0	3993.5	3040.0
30°	5815.0	5794.5	5678.2	5557.6	5436.1	5316.4	5203.5	4991.5	4355.2	4256.9	3218.8
32.5°	6346.9	6335.8	6206.6	6019.4	5814.1	5701.2	5472.9	5247.2	4651.1	4556.2	3402.6
35°	6745.4	6761.6	6619.7	6415.3	6191.2	6091.2	5803.0	5515.7	4957.3	4853.8	3602.7
37.5°	7028.4	7019.9	6894.2	6717.2	6520.5	6433.2	6188.7	5809.0	5286.5	5187.3	3821.6
40°	7129.3	7124.2	7031.0	6901.9	6777.0	6746.2	6592.3	6125.4	5663.6	5547.3	4085.0
42.5°	7065.2	7076.3	7014.7	6979.7	6956.6	6978.8	6993.4	6540.1	6074.9	5968.0	4370.6
45°	6868.5	6862.5	6854.0	6911.3	7041.3	7187.5	7390.1	6931.8	6522.2	6436.7	4753.7
47.5°	6517.0	6559.8	6581.2	6739.4	7023.3	7369.6	7846.8	7456.8	7171.2	7096.8	5337.8
50°	6025.3	6059.5	6186.1	6467.4	6890.7	7438.0	8293.2	8315.4	8253.8	8114.5	5972.3
52.5°	5257.4	5310.4	5571.3	6086.9	6618.8	7409.8	8563.4	9051.7	9132.9	9028.6	6597.4
55°	4398.0	4472.4	4747.8	5424.2	6244.3	7255.9	8749.8	9478.4	9802.5	9705.9	7199.5
57.5°	3556.5	3635.2	3918.3	4573.3	5590.9	6915.5	8872.1	9953.9	10714.1	10588.4	7948.6
60°	2665.5	2747.6	2990.4	3665.1	4660.5	6250.2	8789.2	10366.0	11624.8	11570.9	8698.5
62.5°	1719.7	1810.3	2021.6	2580.0	3582.2	5341.2	8345.3	10593.5	12413.3	12348.3	9245.8
65°	1047.6	1057.8	1174.1	1601.7	2451.7	4135.5	7330.3	10291.6	12828.9	12809.2	9412.6
67.5°	677.3	693.5	746.5	959.5	1470.0	2872.4	5861.2	9295.4	12586.0	12579.2	9067.9
70°	572.1	577.2	601.2	647.3	854.3	1741.9	4115.8	7707.4	11663.3	11663.3	8239.3
72.5°	511.4	518.2	526.8	541.3	609.7	986.8	2456.0	5999.7	10070.2	10136.9	7013.0
75°	464.3	462.6	467.8	470.3	519.9	644.8	1269.9	4437.3	7790.4	7657.0	5078.7
77.5°	397.6	400.2	397.6	408.8	459.2	490.9	644.8	2977.6	4721.2	4548.5	2549.2
80°	326.7	330.9	335.2	342.1	392.5	372.8	387.4	1357.1	1746.2	1709.4	787.6
82.5°	245.4	251.4	258.3	274.5	308.7	246.3	244.6	579.8	630.2	577.2	289.9
85°	99.2	117.2	177.0	193.3	194.1	135.1	150.5	242.0	257.4	251.4	113.7
87.5°	23.1	27.4	57.3	86.4	79.5	50.5	55.6	78.7	89.8	82.9	38.5
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: P452327

CATALOG NUMBER: GLAN-SA3B-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9	1464.9
2.5°	1493.9	1464.0	1412.7	1373.4	1345.1	1320.3	1304.9	1295.5	1292.1	1291.3	1292.1
5°	1544.4	1491.4	1410.1	1358.8	1330.6	1314.4	1304.9	1304.1	1304.9	1305.8	1303.2
7.5°	1613.7	1537.5	1431.5	1383.6	1362.2	1350.3	1346.0	1344.3	1345.1	1344.3	1344.3
10°	1706.0	1601.7	1473.4	1423.8	1405.9	1392.2	1385.3	1381.1	1377.6	1374.2	1372.5
12.5°	1807.8	1672.7	1518.7	1470.8	1445.2	1423.8	1408.4	1397.3	1389.6	1381.9	1380.2
15°	1921.5	1747.9	1569.2	1502.5	1465.7	1434.1	1407.6	1389.6	1375.9	1364.8	1364.0
17.5°	2030.1	1818.9	1603.4	1517.0	1463.2	1418.7	1383.6	1358.8	1341.7	1327.2	1325.5
20°	2146.4	1886.4	1618.8	1507.6	1437.5	1383.6	1337.4	1307.5	1287.8	1271.6	1269.0
22.5°	2263.6	1943.7	1617.1	1477.7	1393.0	1329.7	1281.0	1249.4	1226.3	1210.0	1204.0
25°	2375.6	1989.9	1595.7	1429.8	1331.5	1265.6	1216.0	1186.9	1166.4	1146.7	1146.7
27.5°	2476.5	2017.3	1555.5	1371.6	1268.2	1198.9	1159.6	1133.1	1114.3	1101.4	1093.7
30°	2575.7	2030.1	1500.8	1298.1	1201.5	1142.5	1110.8	1095.4	1078.3	1063.8	1062.1
32.5°	2664.6	2027.5	1432.4	1226.3	1138.2	1096.3	1083.5	1071.5	1053.5	1033.0	1027.9
35°	2751.0	2010.4	1351.1	1147.6	1085.2	1068.9	1072.3	1055.2	1022.8	997.1	992.8
37.5°	2845.1	1979.7	1262.2	1083.5	1040.7	1056.1	1064.7	1027.0	974.0	933.8	924.4
40°	2953.7	1944.6	1169.8	1019.3	1005.6	1044.1	1044.1	974.9	902.2	877.4	870.5
42.5°	3081.1	1915.5	1092.9	965.5	976.6	1015.1	1010.8	905.6	875.7	862.8	859.4
45°	3282.9	1905.3	1013.3	918.4	952.6	980.8	945.8	881.7	864.5	854.3	850.9
47.5°	3601.9	1917.2	943.2	883.4	925.3	946.6	873.1	865.4	853.4	838.9	837.2
50°	3897.7	1906.1	893.6	863.7	901.3	905.6	843.2	845.7	838.9	822.6	819.2
52.5°	4139.7	1871.1	862.0	853.4	880.8	833.8	815.0	824.4	821.8	801.3	797.8
55°	4405.7	1849.7	846.6	853.4	867.1	771.3	788.4	802.1	798.7	784.2	783.3
57.5°	4728.1	1854.0	835.5	856.0	853.4	739.7	761.9	778.2	777.3	773.0	773.0
60°	5058.2	1855.7	818.4	855.1	837.2	714.9	734.6	757.7	759.4	761.9	761.9
62.5°	5167.6	1781.3	785.0	839.8	801.3	691.0	708.9	740.6	738.8	745.7	746.5
65°	4963.3	1575.2	735.4	804.7	755.1	673.9	689.2	718.3	708.9	726.9	730.3
67.5°	4517.7	1303.2	658.5	741.4	703.8	655.9	676.4	687.5	670.4	705.5	706.3
70°	3904.6	1017.6	561.0	651.6	645.6	637.1	666.2	649.1	625.1	667.9	659.3
72.5°	3264.9	777.3	448.1	532.8	567.8	608.9	648.2	599.5	566.1	578.9	563.5
75°	2452.6	574.7	360.0	417.3	472.9	568.7	632.0	539.6	488.3	476.3	472.9
77.5°	1250.2	375.4	269.4	312.1	354.9	513.9	609.7	469.5	404.5	385.7	377.1
80°	446.4	233.5	189.8	215.5	239.4	442.1	532.8	388.2	313.8	310.4	313.8
82.5°	206.9	150.5	127.4	141.1	142.0	295.0	406.2	289.9	238.6	362.6	306.1
85°	88.9	75.3	71.8	70.1	65.0	131.7	228.3	155.6	242.9	108.6	100.1
87.5°	26.5	29.9	26.5	19.7	14.5	14.5	23.1	8.6	6.0	4.3	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)