

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: P947601

Luminaire Tested: **GLAN-SB2D-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-927-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12363 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 147.6
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

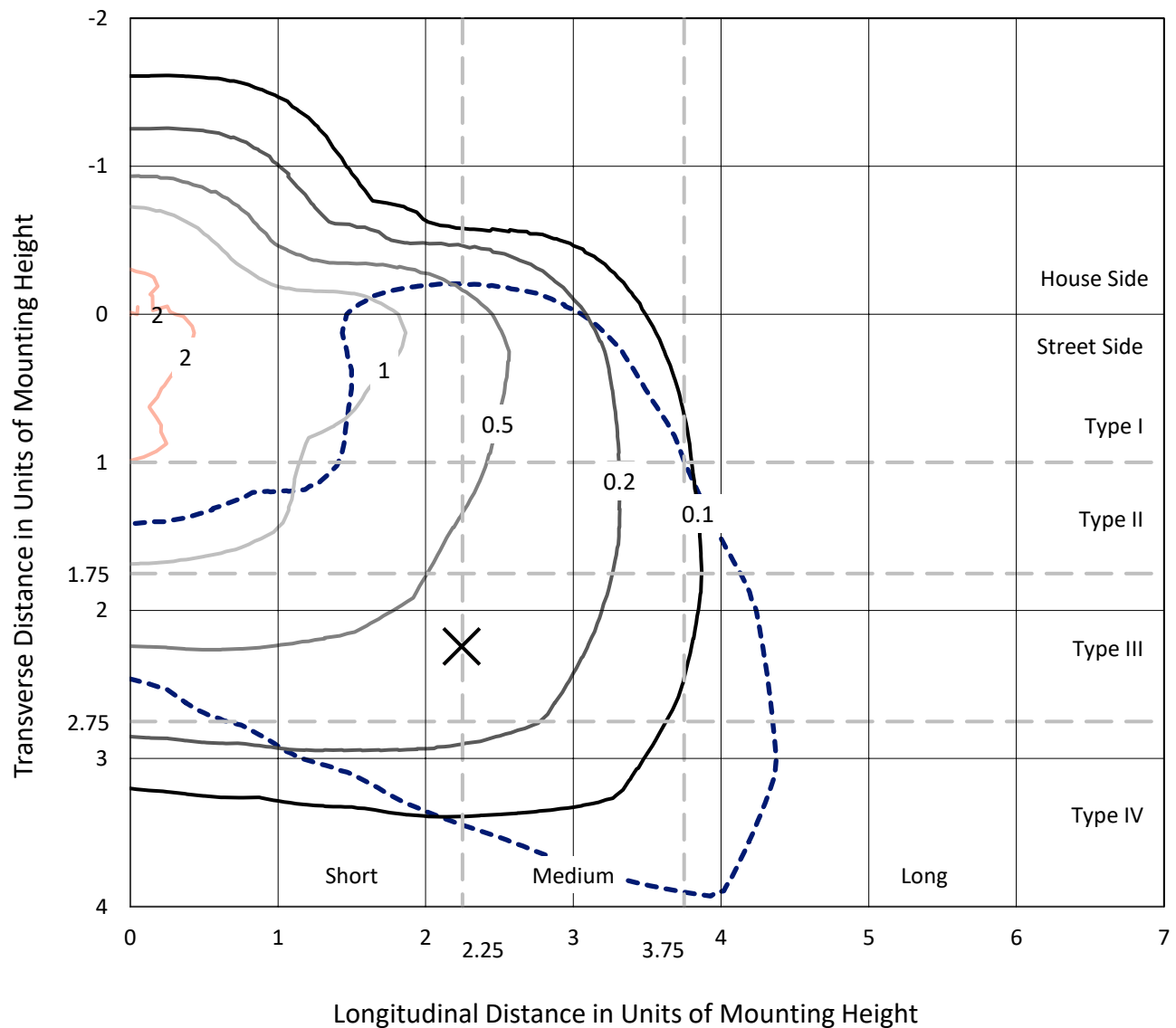


REPORT NUMBER: P947601

CATALOG NUMBER: GLAN-SB2D-927-U-T4W

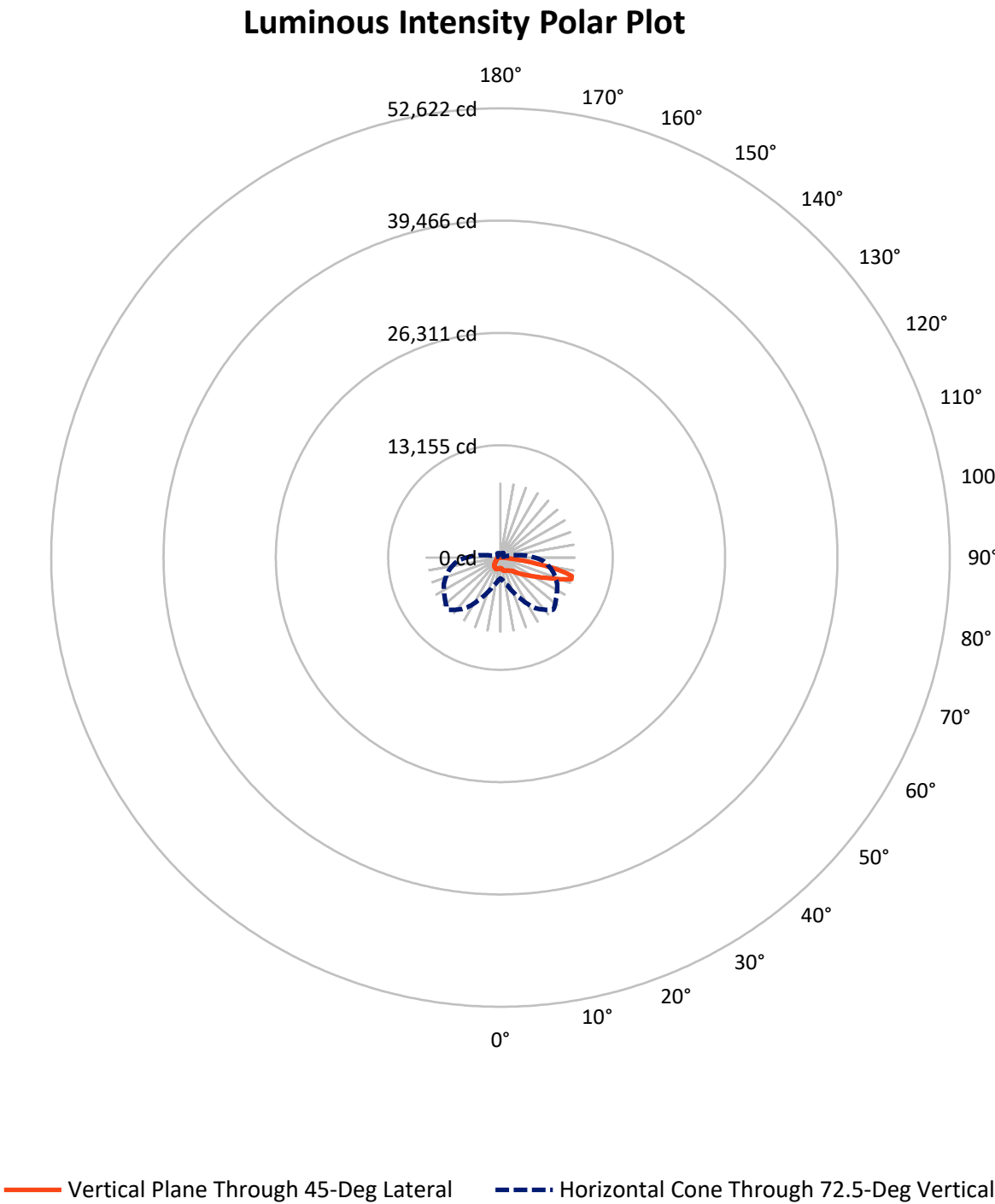
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

REPORT NUMBER: P947601
CATALOG NUMBER: GLAN-SB2D-927-U-T4W



REPORT NUMBER: P947601

CATALOG NUMBER: GLAN-SB2D-927-U-T4W

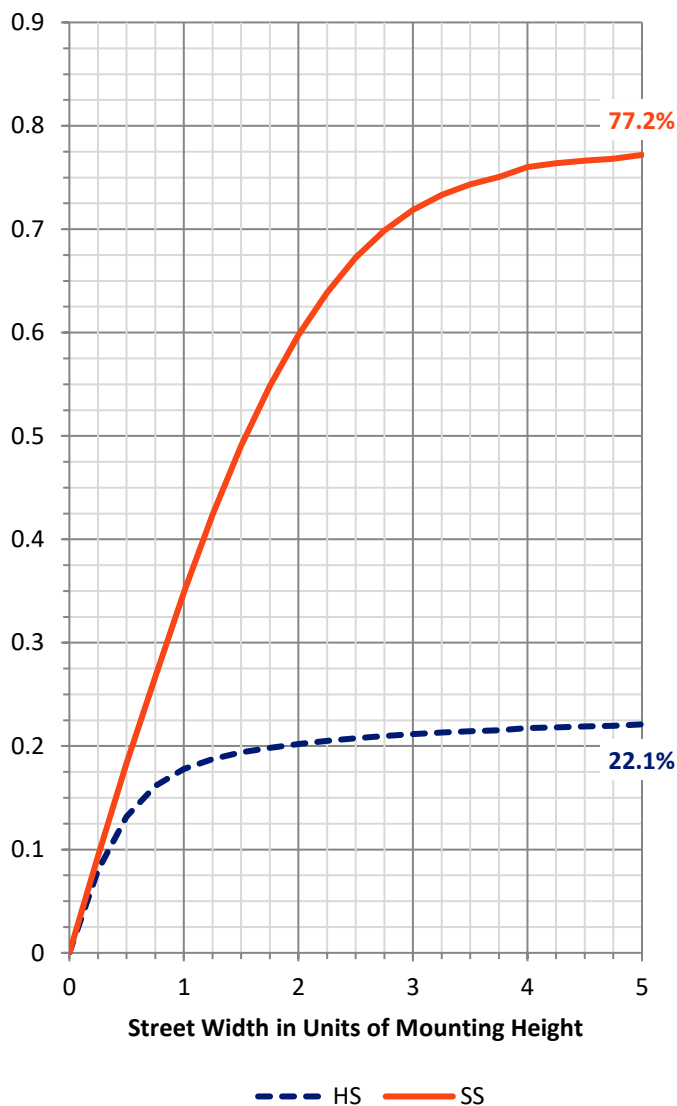
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2794.8	0.0	2794.8
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	9568.2	0.0	9568.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	12363.0	0.0	12363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	1.0
10°-20°	423.2	3.4
20°-30°	736.2	6.0
30°-40°	1055.4	8.5
40°-50°	1486.1	12.0
50°-60°	2276.3	18.4
60°-70°	3297.5	26.7
70°-80°	2633.3	21.3
80°-90°	328.0	2.7
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°	12363.0	100.0
0°-180°	12363.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947601

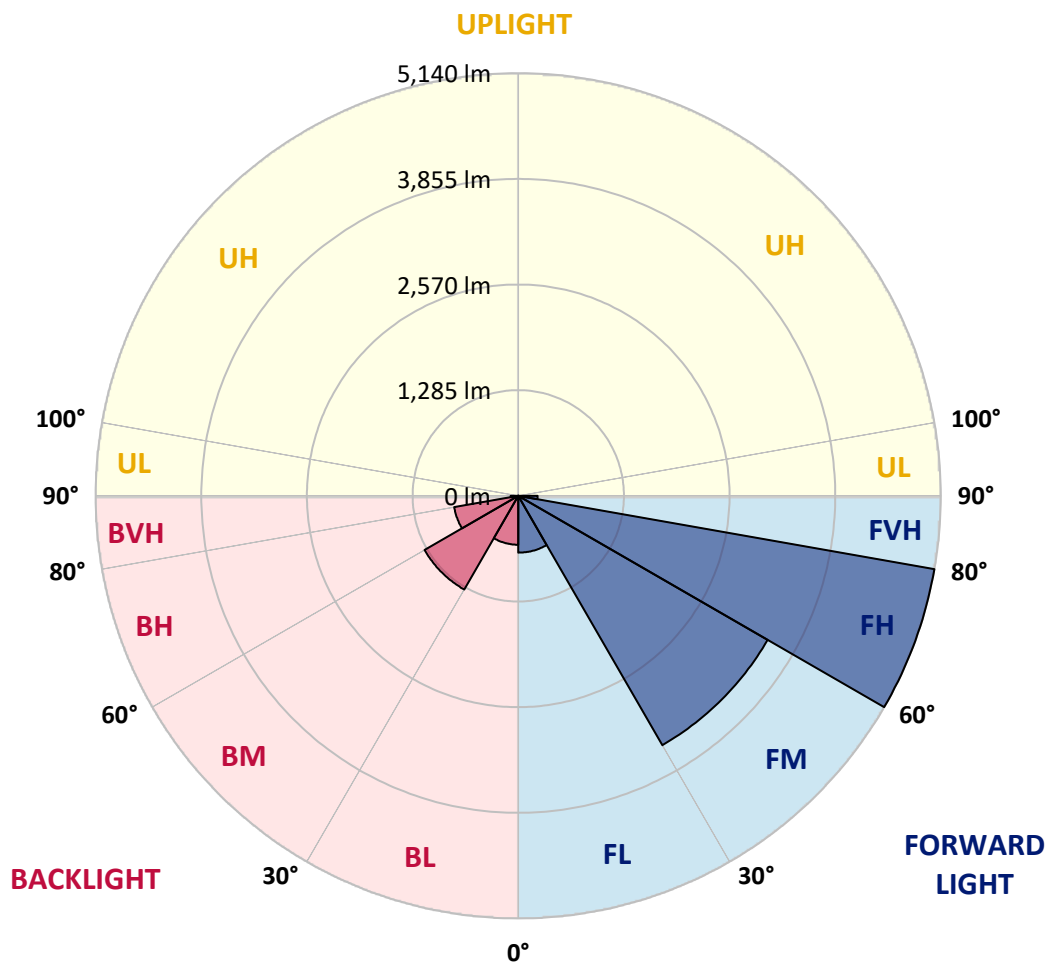
CATALOG NUMBER: GLAN-SB2D-927-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	691.4	5.6			
FM	(30°-60°)	3501.8	28.3			
FH	(60°-80°)	5139.7	41.6			G3/7500
FVH	(80°-90°)	235.3	1.9			G3/500
BL	(0°-30°)	595.0	4.8	B2/1000		
BM	(30°-60°)	1316.0	10.6	B2/2500		
BH	(60°-80°)	791.1	6.4	B2/1000		G2/1000
BVH	(80°-90°)	92.7	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P947601

CATALOG NUMBER: GLAN-SB2D-927-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2
2.5°	1296.0	1304.5	1296.7	1289.5	1286.3	1277.8	1277.1	1271.9	1268.7	1259.6
5°	1386.6	1397.6	1384.6	1370.3	1357.3	1336.4	1333.8	1318.8	1301.9	1282.4
7.5°	1488.8	1498.6	1483.6	1462.1	1439.3	1404.8	1404.1	1376.8	1350.1	1316.9
10°	1578.0	1591.1	1570.9	1541.6	1512.9	1473.8	1469.3	1438.0	1404.1	1361.2
12.5°	1656.8	1666.0	1646.4	1610.6	1577.4	1538.3	1532.4	1497.9	1460.2	1411.3
15°	1719.4	1731.1	1705.0	1666.6	1631.4	1593.0	1587.8	1556.5	1518.8	1467.3
17.5°	1760.4	1770.2	1743.5	1700.5	1666.6	1634.7	1630.8	1604.7	1571.5	1519.4
20°	1776.0	1786.4	1758.4	1714.8	1683.5	1658.8	1656.8	1637.9	1615.2	1567.6
22.5°	1791.6	1801.4	1764.9	1719.4	1692.0	1676.4	1675.7	1663.3	1654.2	1615.2
25°	1854.8	1857.4	1808.6	1742.8	1703.7	1690.1	1689.4	1688.7	1692.7	1662.0
27.5°	1909.5	1908.9	1867.2	1805.3	1744.8	1716.1	1715.5	1722.0	1734.3	1708.9
30°	1989.6	1982.5	1933.0	1868.5	1813.1	1768.9	1764.9	1759.1	1768.9	1748.7
32.5°	2159.6	2136.8	2056.7	1942.1	1869.8	1835.9	1830.7	1794.3	1798.2	1785.8
35°	2403.2	2373.2	2266.4	2081.5	1940.1	1891.9	1889.3	1843.1	1835.3	1824.2
37.5°	2693.0	2655.9	2531.5	2283.4	2061.3	1957.1	1953.2	1911.5	1879.6	1867.8
40°	2984.1	2937.2	2834.3	2529.5	2239.7	2065.8	2053.5	1990.3	1953.8	1934.3
42.5°	3266.8	3227.7	3139.8	2805.7	2459.9	2224.7	2197.4	2089.3	2061.9	2043.7
45°	3516.9	3481.7	3417.2	3100.7	2717.8	2441.0	2414.3	2237.8	2229.3	2229.3
47.5°	3720.1	3712.3	3643.9	3401.6	3021.9	2687.1	2640.9	2444.2	2467.0	2502.2
50°	3945.4	3923.9	3851.0	3697.9	3379.5	2969.1	2931.4	2697.6	2782.9	2879.3
52.5°	4152.5	4164.2	4082.8	4006.6	3783.2	3283.7	3217.3	2996.5	3180.8	3340.4
55°	4365.5	4366.1	4343.3	4332.9	4206.6	3631.5	3558.6	3356.0	3649.1	3847.1
57.5°	4565.4	4566.7	4600.6	4692.4	4697.6	4032.7	3950.0	3797.6	4169.4	4371.3
60°	4743.9	4753.0	4845.5	5060.4	5129.4	4492.5	4414.3	4319.2	4707.4	4910.6
62.5°	4803.8	4837.0	5042.8	5348.2	5556.0	5056.5	4979.6	4923.0	5272.7	5461.6
65°	4702.2	4778.4	5176.3	5586.0	5995.0	5726.6	5650.4	5588.6	5860.1	6037.9
67.5°	4452.7	4551.1	5168.5	5835.4	6527.7	6532.9	6461.9	6316.7	6489.9	6558.3
70°	3795.6	3942.8	4713.3	5928.5	7139.2	7635.5	7567.1	7193.3	7118.4	6787.6
72.5°	2445.5	2643.5	3470.6	5162.0	7275.4	8673.0	8669.1	7984.6	7317.0	6342.1
75°	892.2	1013.4	1612.5	3240.1	6107.0	8620.2	8645.6	7849.1	6679.4	4898.9
77.5°	325.0	355.6	526.2	1245.2	3755.9	6916.5	6969.3	6275.0	4754.3	2458.6
80°	170.6	187.6	269.6	483.2	1609.3	4107.6	4190.3	3729.2	2234.5	740.5
82.5°	94.4	102.2	151.1	262.5	724.9	1756.5	1806.0	1473.2	786.1	313.9
85°	50.8	54.1	71.0	143.3	354.3	608.9	622.6	440.3	313.3	184.3
87.5°	15.0	18.2	23.4	45.6	138.7	136.8	140.0	87.3	123.7	93.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947601

CATALOG NUMBER: GLAN-SB2D-927-U-T4W

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1247.2	0°	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2	1247.2
1257.0	2.5°	1253.0	1251.1	1243.9	1240.7	1236.8	1236.1	1239.4	1240.0	1240.7	1241.3
1271.3	5°	1264.8	1258.3	1251.7	1247.8	1249.1	1249.8	1256.3	1260.9	1264.1	1266.7
1298.0	7.5°	1287.6	1282.4	1271.3	1270.6	1272.6	1278.4	1286.9	1297.3	1303.2	1307.8
1332.5	10°	1321.4	1311.7	1298.6	1300.6	1304.5	1313.0	1330.5	1339.0	1348.8	1357.3
1374.8	12.5°	1355.9	1347.5	1332.5	1333.8	1340.3	1355.3	1372.2	1382.7	1389.2	1395.7
1420.4	15°	1400.9	1385.9	1369.6	1369.6	1381.3	1397.6	1405.4	1413.9	1417.8	1425.0
1469.3	17.5°	1447.1	1427.6	1406.1	1404.8	1419.1	1426.9	1431.5	1432.8	1434.1	1441.9
1516.8	20°	1493.4	1471.9	1441.3	1438.7	1441.9	1440.6	1440.0	1438.7	1440.6	1450.4
1565.7	22.5°	1539.0	1514.2	1471.9	1460.2	1451.0	1438.7	1438.0	1437.4	1438.7	1448.4
1618.4	25°	1592.4	1562.4	1505.7	1470.6	1440.0	1423.0	1425.0	1425.6	1426.9	1434.8
1673.1	27.5°	1650.3	1617.1	1537.0	1467.3	1412.0	1400.2	1397.0	1398.9	1403.5	1415.9
1727.8	30°	1708.3	1669.2	1565.7	1454.3	1376.8	1360.5	1350.1	1354.6	1369.0	1381.3
1775.4	32.5°	1761.0	1722.0	1588.5	1425.6	1331.9	1306.5	1292.8	1298.6	1313.0	1317.5
1828.1	35°	1822.9	1778.6	1598.2	1380.0	1283.0	1243.9	1225.7	1217.2	1224.4	1219.8
1890.0	37.5°	1891.9	1845.7	1596.9	1320.1	1225.7	1180.8	1155.4	1123.4	1108.5	1092.8
1981.2	40°	1994.2	1927.8	1581.3	1247.8	1154.7	1113.7	1068.1	1014.0	980.2	949.6
2128.4	42.5°	2133.6	2041.7	1552.6	1168.4	1074.6	1036.2	974.3	911.1	857.7	806.9
2351.7	45°	2341.3	2190.9	1516.8	1083.7	988.0	950.2	883.1	812.1	751.6	686.4
2668.9	47.5°	2640.9	2391.5	1482.9	987.3	896.8	862.3	801.7	735.9	664.3	601.1
3127.4	50°	3052.5	2679.3	1451.7	893.5	806.9	780.9	732.7	665.6	593.3	542.5
3664.7	52.5°	3576.1	3070.7	1438.7	803.0	722.9	713.1	674.7	612.2	543.8	500.8
4291.2	55°	4177.3	3539.0	1438.7	716.4	649.3	652.6	625.9	567.9	508.6	470.2
4937.3	57.5°	4790.8	4013.1	1412.6	636.3	586.8	600.5	583.5	532.7	479.3	439.6
5616.6	60°	5356.1	4410.4	1307.1	563.4	531.4	552.9	541.9	498.2	433.1	399.9
6184.5	62.5°	5790.5	4634.5	1103.9	505.4	485.8	510.6	504.7	452.6	424.6	411.0
6650.8	65°	6008.0	4598.0	844.0	453.9	447.4	485.8	473.5	471.5	449.4	433.7
6802.5	67.5°	5874.5	4284.1	612.2	416.2	425.3	463.1	510.6	518.4	477.4	446.8
6375.3	70°	5289.0	3716.2	455.9	380.3	397.3	463.7	582.2	542.5	468.3	432.4
5113.1	72.5°	4023.6	2771.2	353.6	342.6	360.8	467.0	614.1	531.4	442.2	478.0
3185.4	75°	2300.9	1521.4	284.0	296.3	315.2	436.4	597.9	502.8	422.0	439.0
1262.2	77.5°	877.3	584.8	234.5	250.7	253.3	381.0	571.8	500.8	401.8	392.1
378.4	80°	304.1	228.6	194.1	199.3	196.0	338.7	548.4	435.7	328.9	294.4
156.3	82.5°	124.4	114.0	153.7	147.2	139.4	263.1	442.9	356.2	269.0	237.7
75.5	85°	54.1	72.3	101.6	89.2	80.8	182.4	354.9	301.5	227.3	196.0
24.7	87.5°	11.1	27.4	43.0	40.4	41.7	121.8	252.0	214.3	160.9	120.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
1247.2
1243.9
1268.0
1309.1
1355.3
1398.3
1427.6
1444.5
1454.3
1454.9
1445.2
1428.2
1395.0
1333.8
1234.2
1102.6
951.5
802.4
678.6
594.0
539.3
497.6
466.3
433.1
394.7
406.4
428.5
441.6
426.6
474.1
439.0
357.5
284.6
235.1
195.4
94.4
0.0