

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: P941586

Luminaire Tested: **GLAN-SB5A-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

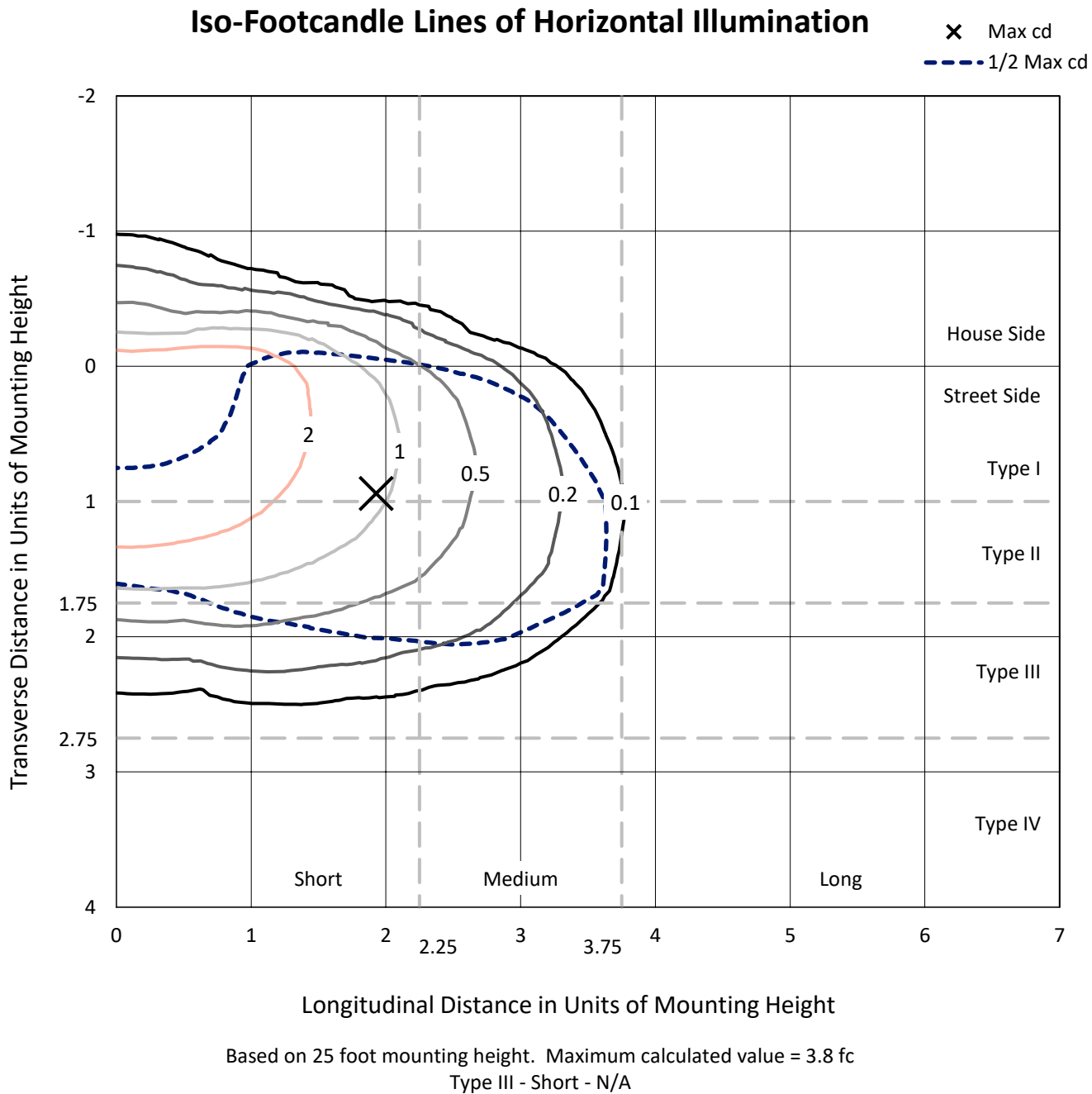
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12878 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

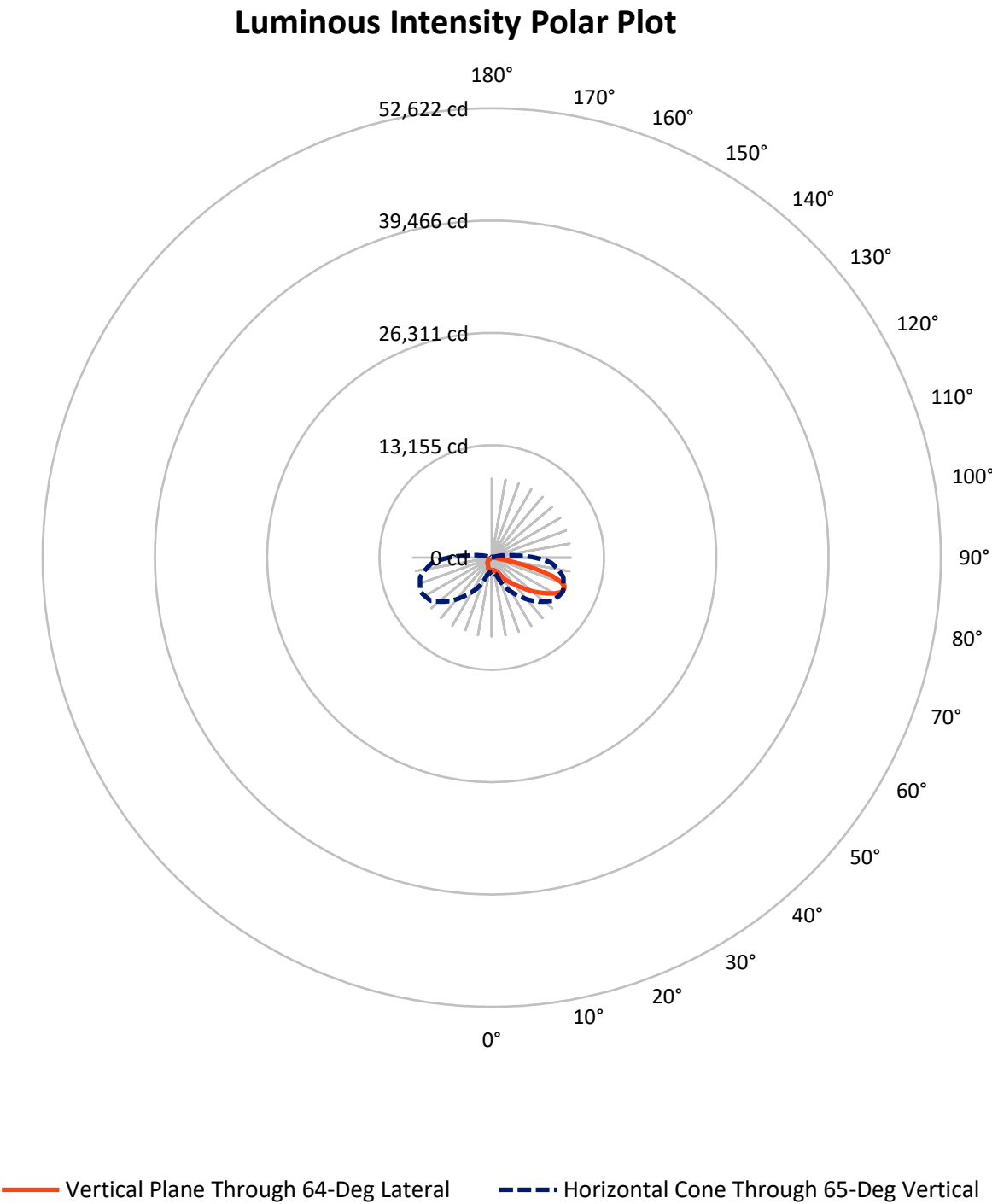
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P941586
CATALOG NUMBER: GLAN-SB5A-940-U-T3-HSS



REPORT NUMBER: P941586
CATALOG NUMBER: GLAN-SB5A-940-U-T3-HSS



REPORT NUMBER: P941586

CATALOG NUMBER: GLAN-SB5A-940-U-T3-HSS

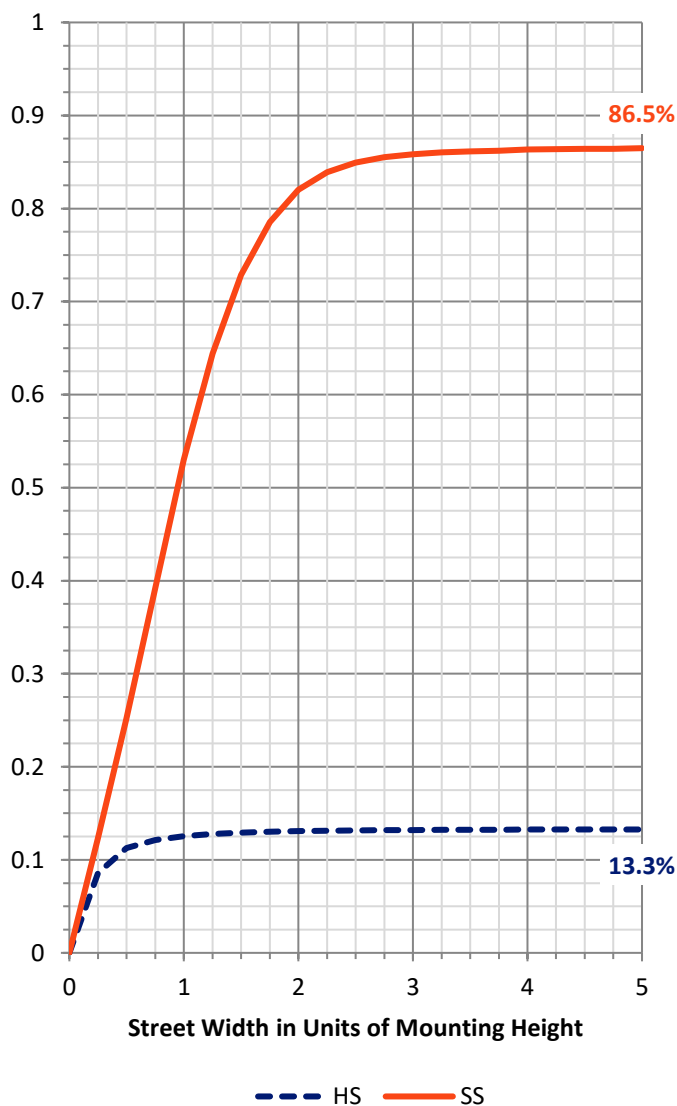
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1722.2	0.0	1722.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11155.8	0.0	11155.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	12878.0	0.0	12878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.2	1.1
10°-20°	374.8	2.9
20°-30°	710.2	5.5
30°-40°	1437.2	11.2
40°-50°	2448.3	19.0
50°-60°	3329.5	25.9
60°-70°	3126.5	24.3
70°-80°	1252.6	9.7
80°-90°	60.7	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°	12878.0	100.0
0°-180°	12878.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941586

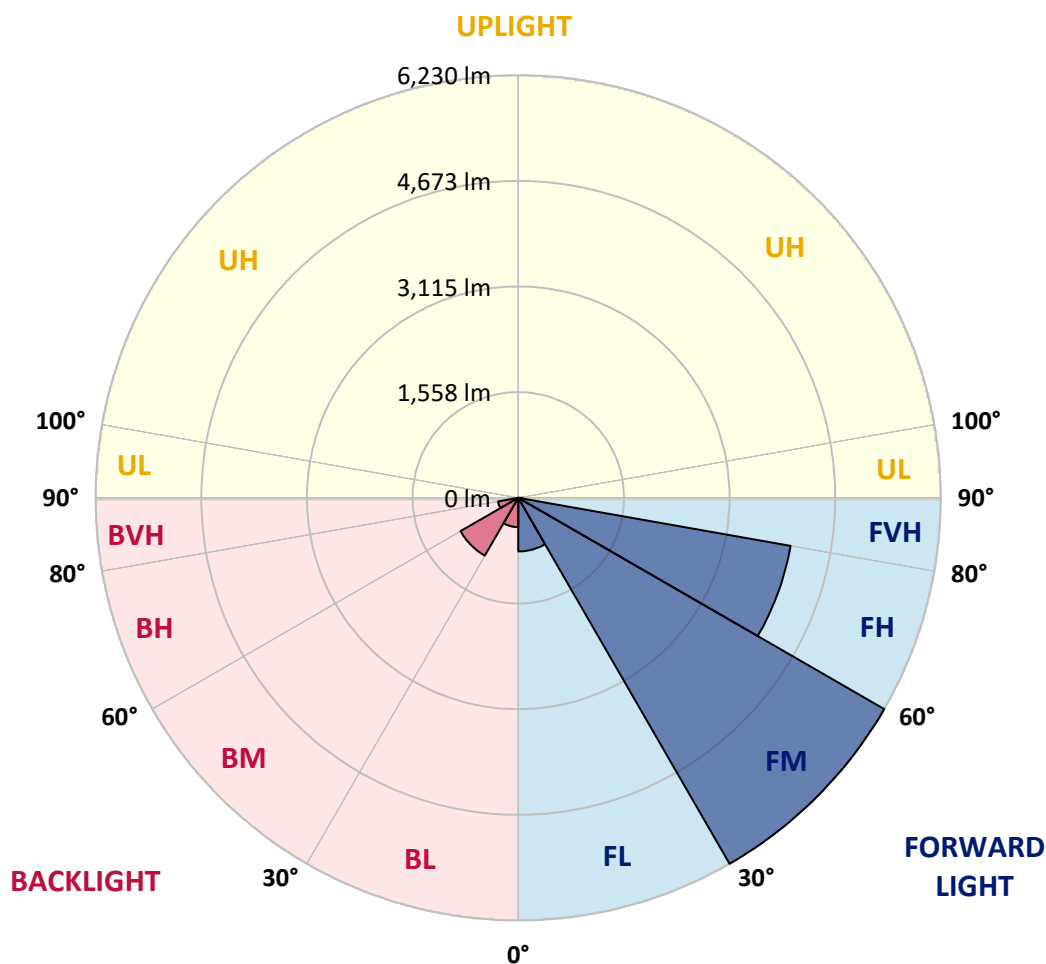
CATALOG NUMBER: GLAN-SB5A-940-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	790.9	6.1			
FM	(30°-60°)	6230.4	48.4			
FH	(60°-80°)	4076.9	31.7			G2/5000
FVH	(80°-90°)	57.7	0.4			G1/100
BL	(0°-30°)	432.4	3.4	B1/500		
BM	(30°-60°)	984.6	7.6	B1/1000		
BH	(60°-80°)	302.3	2.3	B1/500		G1/500
BVH	(80°-90°)	3.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



REPORT NUMBER: P941586

CATALOG NUMBER: GLAN-SB5A-940-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8
2.5°	1492.7	1503.0	1500.4	1497.8	1497.0	1498.7	1499.6	1498.7	1498.7	1498.7
5°	1464.2	1472.8	1472.8	1478.9	1487.5	1497.8	1505.6	1507.3	1509.1	1511.7
7.5°	1409.8	1416.7	1421.9	1441.7	1463.3	1490.9	1514.2	1526.3	1528.1	1537.6
10°	1372.7	1381.3	1389.9	1410.7	1441.7	1483.2	1522.9	1552.2	1556.6	1579.0
12.5°	1370.9	1379.6	1390.8	1413.2	1449.5	1493.5	1541.9	1584.2	1591.9	1624.8
15°	1389.1	1399.4	1409.8	1437.4	1476.3	1529.8	1581.6	1634.2	1642.0	1688.6
17.5°	1426.2	1440.0	1447.8	1475.4	1516.8	1576.4	1644.6	1705.0	1711.9	1766.3
20°	1499.6	1516.0	1518.6	1541.0	1581.6	1645.5	1726.6	1801.7	1810.4	1872.5
22.5°	1651.5	1674.8	1654.1	1665.3	1701.6	1765.5	1853.5	1948.5	1960.6	2031.4
25°	1919.1	1951.9	1898.4	1879.4	1895.0	1961.4	2071.9	2191.9	2205.8	2262.7
27.5°	2444.9	2402.6	2321.4	2242.0	2195.4	2233.4	2357.7	2506.2	2523.5	2578.7
30°	3022.5	2985.3	2875.7	2699.6	2589.1	2583.0	2697.8	2863.6	2883.5	2936.1
32.5°	3600.9	3565.5	3446.3	3229.6	3038.0	2943.0	3022.5	3206.3	3216.7	3250.4
35°	4169.8	4133.5	4014.4	3792.5	3556.8	3341.0	3325.5	3532.7	3536.1	3571.5
37.5°	4742.2	4712.0	4585.0	4367.5	4135.3	3837.4	3693.2	3841.7	3846.1	3880.6
40°	5150.5	5163.5	5076.3	4907.9	4708.5	4383.0	4105.9	4170.7	4144.8	4202.6
42.5°	5501.0	5526.9	5450.9	5366.3	5250.7	4964.0	4617.0	4605.8	4564.3	4595.4
45°	5804.0	5825.6	5757.4	5737.6	5735.0	5533.8	5175.6	5108.2	5050.4	5044.3
47.5°	5915.4	5956.8	5986.2	6052.7	6182.2	6097.6	5753.1	5648.6	5583.9	5536.4
50°	5957.7	6001.7	6101.9	6295.3	6601.7	6638.0	6328.1	6210.7	6131.2	6044.9
52.5°	5900.7	5979.3	6114.0	6439.4	6884.0	7071.4	6879.7	6777.0	6686.3	6545.6
55°	5564.9	5643.5	5918.9	6437.7	7024.8	7375.3	7401.2	7355.4	7253.5	7031.7
57.5°	4857.0	4973.5	5409.5	6218.4	7022.2	7636.9	7912.2	7945.1	7831.1	7513.4
60°	3876.3	4034.3	4566.1	5732.4	6805.5	7778.4	8360.3	8524.3	8403.5	7988.2
62.5°	2704.8	2887.8	3391.1	4970.9	6309.9	7676.6	8687.5	8990.5	8899.0	8413.0
65°	1649.8	1708.5	2114.2	3911.7	5467.4	7250.1	8788.5	9242.6	9212.4	8672.8
67.5°	1099.0	1148.2	1264.8	2682.3	4244.0	6398.0	8546.8	9198.6	9207.2	8630.5
70°	662.2	704.5	780.4	1560.0	2750.5	5064.2	7798.3	8637.4	8687.5	8065.1
72.5°	272.8	301.3	370.4	707.1	1424.5	3214.1	6209.8	7415.8	7532.4	6781.3
75°	154.5	169.2	217.6	354.8	618.1	1497.8	3761.4	5264.5	5436.3	4674.0
77.5°	102.7	109.6	140.7	229.6	347.9	511.1	1607.5	2742.7	3070.8	2552.8
80°	69.1	75.1	96.7	153.7	226.2	219.3	511.9	1016.1	1250.1	877.1
82.5°	46.6	47.5	69.1	101.0	143.3	106.2	151.1	316.0	397.1	253.8
85°	26.8	25.9	50.9	58.7	63.9	44.0	45.8	95.0	124.3	107.1
87.5°	3.5	5.2	19.9	15.5	8.6	9.5	9.5	16.4	24.2	25.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P941586

CATALOG NUMBER: GLAN-SB5A-940-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1497.8	0°	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8	1497.8
1499.6	2.5°	1499.6	1498.7	1496.1	1493.5	1487.5	1484.0	1485.8	1484.0	1483.2	1484.0
1510.8	5°	1510.8	1508.2	1501.3	1492.7	1480.6	1465.9	1456.4	1442.6	1429.6	1421.9
1541.0	7.5°	1541.0	1538.4	1528.9	1504.8	1465.9	1404.6	1348.5	1299.3	1262.2	1240.6
1589.4	10°	1589.4	1585.0	1570.4	1516.8	1415.0	1281.2	1169.8	1077.4	1017.0	988.5
1646.3	12.5°	1646.3	1641.2	1615.3	1505.6	1318.3	1109.4	955.7	853.0	796.8	771.8
1711.9	15°	1713.7	1706.8	1655.8	1452.1	1177.6	919.4	778.7	701.9	665.6	643.2
1795.7	17.5°	1797.4	1785.3	1686.0	1371.8	1024.8	774.4	669.9	612.1	580.1	558.6
1905.3	20°	1906.2	1886.3	1710.2	1276.0	884.0	682.9	596.5	548.2	524.0	505.0
2060.7	22.5°	2058.1	2029.6	1739.6	1172.4	784.7	619.9	542.2	506.8	486.9	465.3
2277.4	25°	2246.3	2212.7	1775.8	1076.5	716.5	565.5	502.4	473.1	449.8	424.7
2561.4	27.5°	2509.6	2449.2	1819.0	998.0	657.8	518.9	466.2	433.4	406.6	385.9
2883.5	30°	2803.2	2703.9	1857.0	950.5	604.3	475.7	418.7	385.9	360.9	346.2
3172.7	32.5°	3081.2	2946.5	1882.0	929.8	556.0	426.5	366.9	331.5	312.5	308.2
3455.8	35°	3343.6	3165.8	1879.4	909.9	512.8	377.3	316.0	279.7	265.0	267.6
3760.6	37.5°	3645.8	3399.7	1861.3	878.9	477.4	332.4	271.9	240.0	227.1	227.9
4130.9	40°	3997.1	3669.9	1850.1	820.1	438.6	290.9	235.7	209.8	200.3	196.8
4521.2	42.5°	4371.8	3931.5	1851.8	753.7	390.2	253.8	210.6	189.1	180.4	177.8
4955.4	45°	4748.2	4181.0	1854.4	684.6	339.3	225.3	192.5	174.4	169.2	165.8
5395.7	47.5°	5102.2	4393.4	1806.0	610.4	289.2	203.7	177.8	165.8	161.4	157.1
5837.7	50°	5432.0	4535.0	1689.5	524.0	249.5	186.5	166.6	158.0	153.7	149.4
6238.3	52.5°	5688.4	4557.4	1497.0	435.1	221.9	173.5	159.7	151.9	146.8	142.4
6562.0	55°	5802.3	4416.7	1223.3	352.2	200.3	162.3	152.8	145.0	139.0	134.7
6816.7	57.5°	5773.0	4120.6	954.0	283.2	179.6	151.1	144.2	139.0	132.1	125.2
7023.0	60°	5628.8	3724.3	719.1	235.7	160.6	139.0	134.7	130.4	120.9	110.5
7102.5	62.5°	5379.3	3226.2	512.8	195.1	139.9	125.2	123.5	120.0	106.2	87.2
6985.1	65°	4997.7	2621.0	345.3	162.3	120.0	109.6	110.5	104.5	86.3	64.7
6555.1	67.5°	4440.0	1916.6	221.0	132.9	100.1	91.5	92.4	88.9	73.4	55.3
5740.2	70°	3729.5	1269.1	144.2	101.0	80.3	70.8	76.0	76.8	62.2	44.9
4405.5	72.5°	2734.1	749.4	101.0	75.1	58.7	49.2	62.2	63.9	50.1	33.7
2650.4	75°	1558.3	355.7	76.0	54.4	36.3	34.5	48.3	48.3	34.5	22.4
1147.3	77.5°	654.4	148.5	53.5	35.4	20.7	19.9	32.8	30.2	17.3	10.4
279.7	80°	189.1	66.5	28.5	17.3	8.6	7.8	12.9	9.5	4.3	1.7
106.2	82.5°	74.2	29.4	11.2	6.9	3.5	3.5	1.7	0.0	0.0	0.0
60.4	85°	44.0	12.1	5.2	2.6	0.9	0.0	0.0	0.0	0.0	0.0
12.9	87.5°	11.2	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
1497.8
1487.5
1423.6
1241.4
985.9
769.2
644.0
556.8
501.6
461.9
422.2
381.6
343.6
310.8
267.6
231.4
196.0
177.0
165.8
157.1
149.4
141.6
133.8
124.3
108.8
85.5
63.0
52.7
43.2
31.9
20.7
10.4
1.7
0.0
0.0
0.0
0.0