

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: P942435

Luminaire Tested: **GLAN-SB6B-940-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-940-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

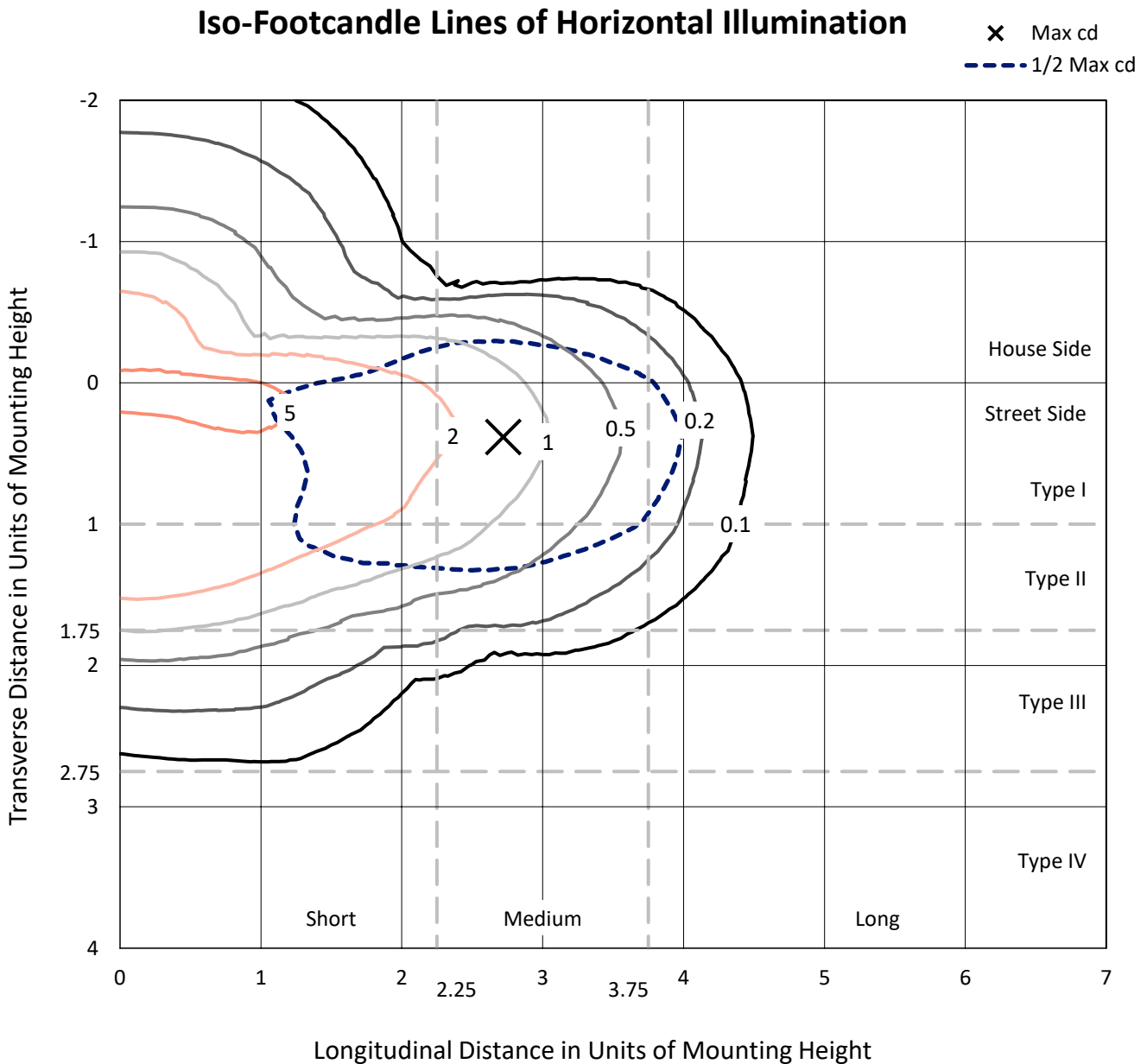
Lumens per Lamp: N/A
Luminaire Lumens: 24518 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 220.4
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: P942435

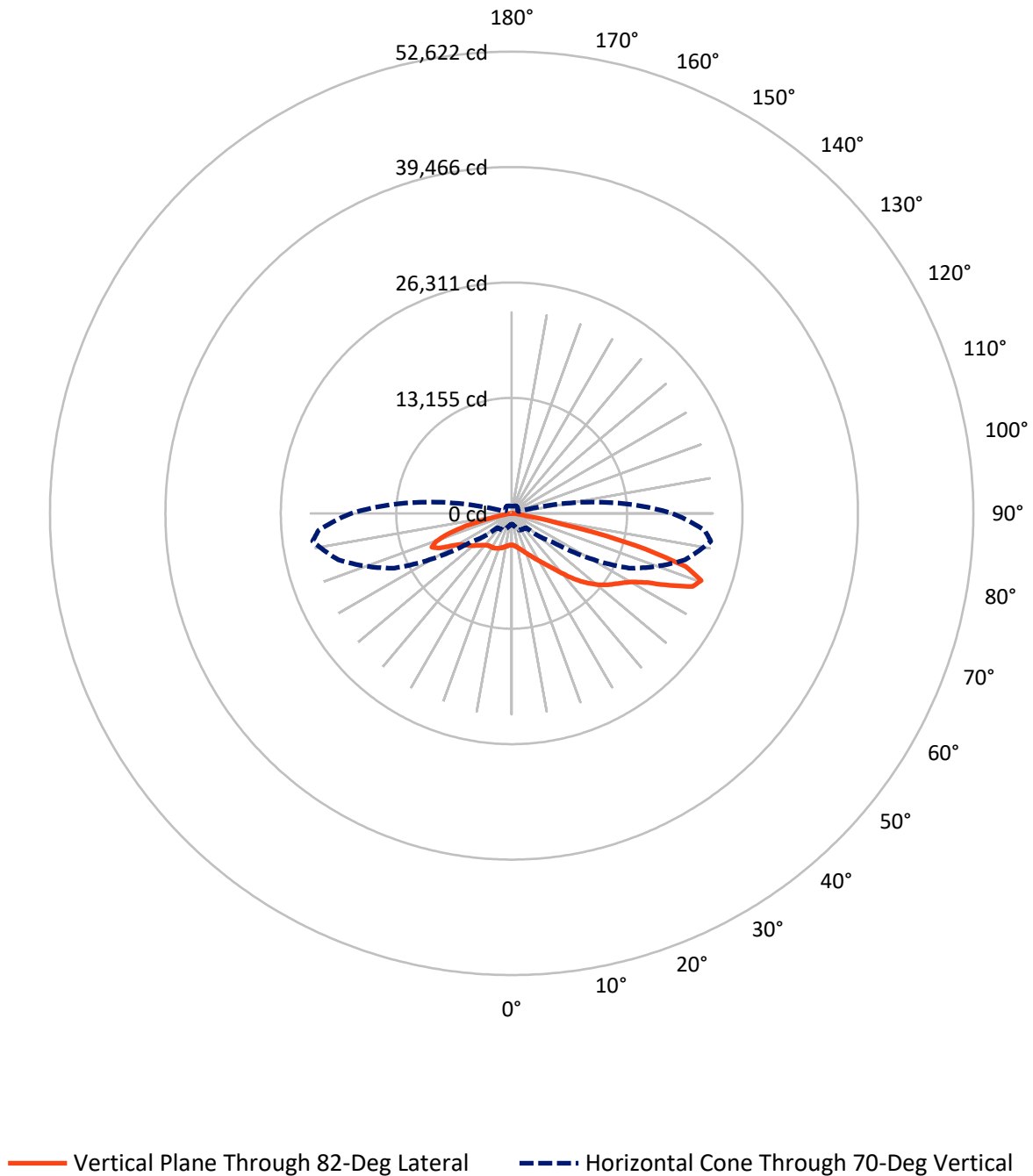
CATALOG NUMBER: GLAN-SB6B-940-U-T2



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Medium - N/A

REPORT NUMBER: P942435
CATALOG NUMBER: GLAN-SB6B-940-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P942435

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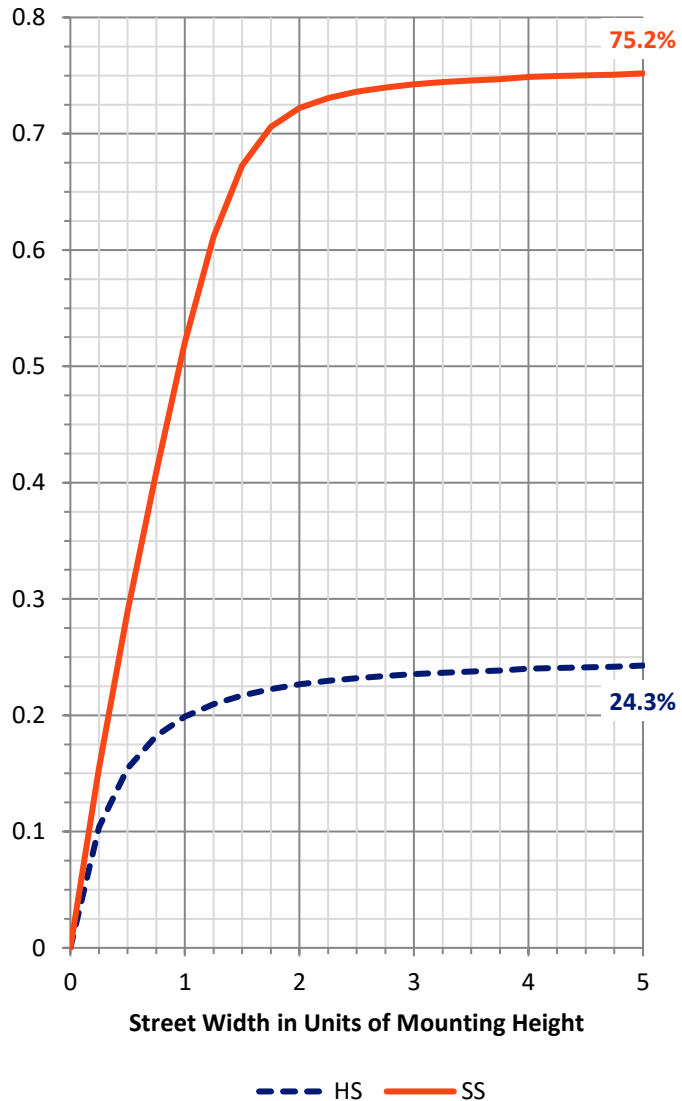
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6044.3	0.0	6044.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	18473.7	0.0	18473.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	24518.0	0.0	24518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	1.4
10°-20°	975.1	4.0
20°-30°	1631.3	6.7
30°-40°	2548.5	10.4
40°-50°	4058.7	16.6
50°-60°	5648.2	23.0
60°-70°	5908.3	24.1
70°-80°	3088.0	12.6
80°-90°	320.7	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°	24518.0	100.0
0°-180°	24518.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942435

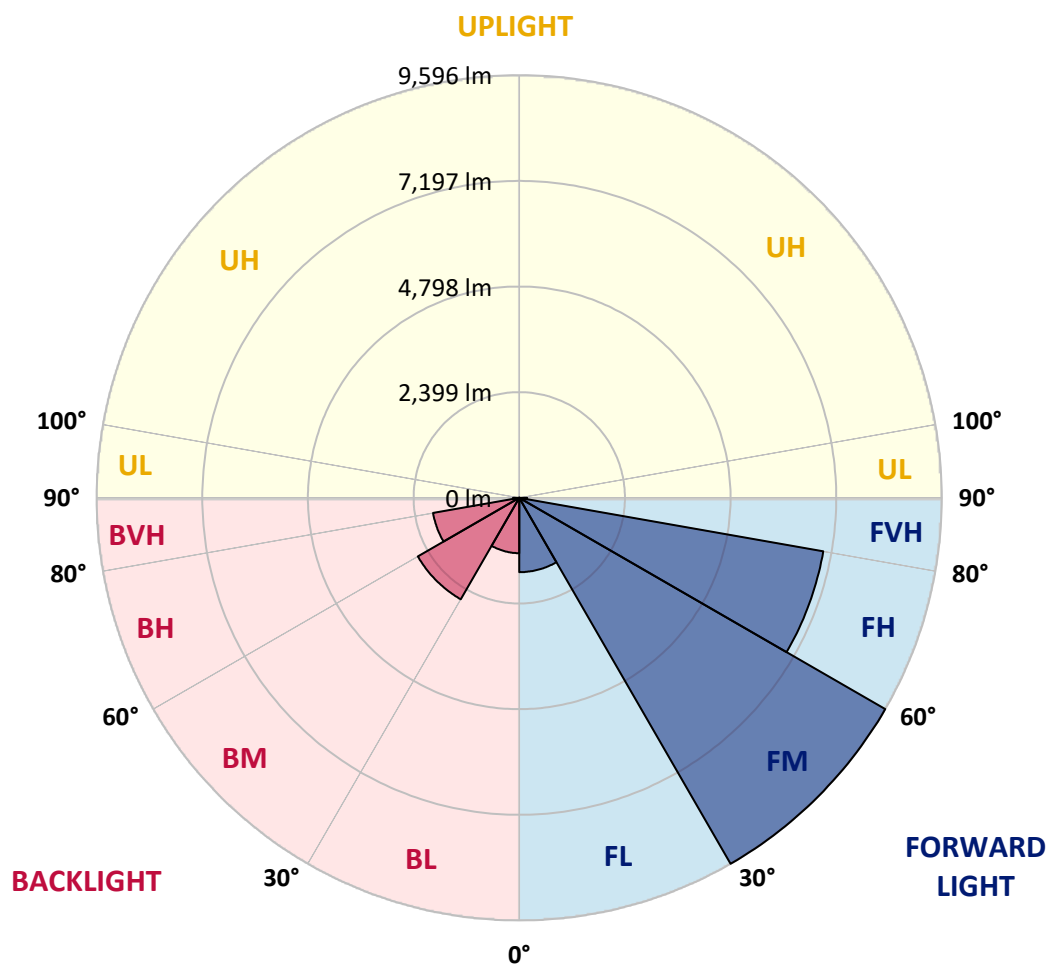
CATALOG NUMBER: GLAN-SB6B-940-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1688.3	6.9			
FM	(30°-60°)	9596.1	39.1			
FH	(60°-80°)	7009.8	28.6			G3/7500
FVH	(80°-90°)	179.5	0.7			G2/225
BL	(0°-30°)	1257.4	5.1	B3/2500		
BM	(30°-60°)	2659.2	10.8	B3/5000		
BH	(60°-80°)	1986.5	8.1	B3/2500		G3/2500
BVH	(80°-90°)	141.1	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P942435

CATALOG NUMBER: GLAN-SB6B-940-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6
2.5°	3680.5	3701.3	3694.8	3688.3	3688.3	3679.2	3677.9	3664.9	3654.5	3637.6
5°	3727.3	3749.5	3746.9	3752.1	3769.0	3772.9	3776.8	3769.0	3748.2	3727.3
7.5°	3685.7	3710.4	3718.2	3749.5	3801.5	3848.3	3883.5	3897.8	3878.3	3848.3
10°	3545.2	3572.5	3599.8	3674.0	3766.4	3877.0	3970.6	4026.6	4022.7	3994.1
12.5°	3260.3	3288.9	3347.5	3491.9	3661.0	3856.1	4030.5	4147.6	4187.9	4167.1
15°	3032.6	3057.3	3101.6	3249.9	3469.7	3766.4	4052.6	4280.3	4383.0	4371.3
17.5°	3026.1	3036.5	3063.8	3134.1	3303.2	3625.9	4029.2	4410.4	4606.8	4605.5
20°	3140.6	3144.5	3160.1	3174.4	3270.7	3519.2	3969.3	4518.4	4857.9	4857.9
22.5°	3299.3	3296.7	3312.3	3299.3	3346.2	3510.1	3931.6	4613.3	5137.6	5158.4
25°	3537.4	3524.4	3520.5	3490.6	3499.7	3594.6	3973.2	4721.3	5469.4	5512.3
27.5°	3854.8	3834.0	3819.7	3750.8	3727.3	3769.0	4100.7	4851.4	5838.9	5913.0
30°	4268.6	4230.8	4210.0	4090.3	4005.8	4012.3	4293.3	5024.4	6225.3	6344.9
32.5°	4833.2	4774.6	4718.7	4522.3	4367.4	4316.7	4541.8	5263.8	6644.2	6835.4
35°	5465.5	5418.6	5358.8	5055.7	4817.6	4700.5	4877.4	5598.2	7134.6	7437.8
37.5°	6074.3	6034.0	6062.6	5654.1	5347.1	5176.7	5317.2	6047.0	7739.6	8187.2
40°	6704.0	6672.8	6676.7	6286.4	5928.6	5737.4	5850.6	6610.3	8433.0	9078.3
42.5°	7388.3	7364.9	7286.9	6940.8	6538.8	6360.6	6464.6	7260.8	9177.2	10093.1
45°	8154.6	8140.3	8067.5	7670.7	7210.1	7009.8	7150.3	7979.0	9925.3	11048.0
47.5°	8816.8	8828.5	8819.4	8485.1	8007.6	7713.6	7881.4	8728.4	10621.3	11945.7
50°	9135.6	9196.7	9286.5	9182.4	8885.8	8586.6	8619.1	9451.7	11284.8	12787.5
52.5°	8969.1	9084.8	9329.4	9496.0	9610.4	9548.0	9460.8	10169.9	11909.3	13547.2
55°	8348.5	8511.1	8917.0	9319.0	9903.2	10357.2	10471.7	10966.1	12518.2	14216.0
57.5°	7217.9	7482.0	7846.3	8659.4	9643.0	10748.8	11650.4	12070.6	13163.5	14930.2
60°	5279.4	5633.3	6086.0	7296.0	8732.3	10539.3	12653.5	13767.1	14080.7	15855.2
62.5°	3378.7	3597.2	4013.6	5153.2	6804.2	9466.0	12960.5	15887.7	15635.3	17372.2
65°	2313.2	2453.7	2834.9	3475.0	4398.7	7046.2	12138.3	17477.5	18104.6	19776.4
67.5°	1680.9	1787.6	2112.8	2673.5	2866.1	4169.7	9419.2	17404.7	20505.0	22253.5
70°	1225.5	1301.0	1574.2	2112.8	2205.2	2319.7	5706.2	14794.9	20452.9	22911.8
72.5°	908.1	960.1	1143.6	1639.3	1785.0	1566.4	2824.5	10752.7	17575.1	20723.5
75°	657.0	696.0	831.3	1254.2	1428.5	1193.0	1409.0	6283.8	12259.3	14577.6
77.5°	502.2	532.1	620.6	918.5	1143.6	895.1	874.3	2890.8	5812.8	5841.5
80°	403.3	422.8	471.0	646.6	876.9	670.0	569.8	1167.0	1837.0	1554.7
82.5°	296.6	329.2	398.1	454.0	627.1	461.9	347.4	589.4	698.6	601.1
85°	169.1	191.2	240.7	325.2	400.7	282.3	199.1	261.5	325.2	266.7
87.5°	59.8	78.1	84.6	127.5	174.3	117.1	76.8	75.5	106.7	79.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942435

CATALOG NUMBER: GLAN-SB6B-940-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3594.6	0°	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6	3594.6
3633.7	2.5°	3620.7	3614.2	3588.1	3553.0	3516.6	3481.5	3469.7	3445.0	3428.1	3419.0
3718.2	5°	3693.5	3672.7	3611.6	3533.5	3451.5	3363.1	3300.6	3243.4	3201.7	3162.7
3834.0	7.5°	3797.6	3761.2	3655.8	3519.2	3373.5	3226.5	3117.2	3033.9	2978.0	2941.5
3969.3	10°	3918.6	3862.7	3701.3	3497.1	3272.0	3061.2	2932.4	2860.9	2825.8	2806.2
4124.1	12.5°	4057.8	3978.4	3748.2	3446.3	3117.2	2876.5	2788.0	2767.2	2768.5	2769.8
4319.3	15°	4229.5	4118.9	3785.9	3335.7	2915.5	2734.7	2719.1	2752.9	2788.0	2804.9
4540.5	17.5°	4423.4	4267.3	3792.4	3153.6	2717.8	2643.6	2693.1	2765.9	2819.3	2842.7
4787.7	20°	4631.5	4418.2	3745.6	2896.0	2555.2	2569.5	2657.9	2751.6	2810.1	2840.1
5070.0	22.5°	4869.6	4579.5	3633.7	2625.4	2422.5	2488.8	2592.9	2683.9	2745.1	2775.0
5401.7	25°	5141.5	4760.3	3458.0	2397.7	2308.0	2397.7	2501.8	2577.3	2626.7	2654.0
5772.5	27.5°	5443.4	4949.0	3223.9	2216.9	2207.8	2304.1	2389.9	2448.5	2474.5	2495.3
6166.7	30°	5746.5	5120.7	2940.2	2080.3	2120.6	2211.7	2272.8	2298.9	2306.7	2310.6
6606.4	32.5°	6074.3	5269.0	2642.3	1967.1	2037.4	2121.9	2158.3	2170.1	2133.6	2108.9
7139.9	35°	6471.1	5427.7	2350.9	1877.3	1955.4	2028.2	2040.0	2029.6	1986.6	1935.9
7808.6	37.5°	6961.6	5625.5	2118.0	1813.6	1878.6	1926.8	1912.5	1909.9	1913.8	1853.9
8612.6	40°	7562.7	5883.1	1947.6	1764.1	1816.2	1826.6	1786.3	1808.4	1827.9	1736.8
9494.7	42.5°	8230.1	6194.0	1839.6	1730.3	1764.1	1739.4	1677.0	1701.7	1699.1	1579.4
10380.6	45°	8910.5	6532.3	1801.9	1705.6	1716.0	1666.6	1597.6	1604.1	1549.5	1441.5
11230.2	47.5°	9587.0	6895.3	1825.3	1684.8	1656.2	1600.2	1546.9	1518.3	1437.6	1356.9
12044.6	50°	10250.5	7276.5	1911.2	1643.2	1574.2	1541.7	1502.6	1451.9	1366.0	1297.1
12814.8	52.5°	10865.9	7660.3	2007.4	1574.2	1471.4	1490.9	1466.2	1407.7	1323.1	1252.9
13543.3	55°	11448.7	8044.0	2045.2	1479.2	1375.2	1446.7	1432.4	1324.4	1222.9	1165.7
14305.7	57.5°	12083.6	8505.9	2003.5	1358.2	1297.1	1396.0	1341.3	1221.6	1163.1	1120.2
15298.4	60°	12963.1	9230.5	1913.8	1208.6	1222.9	1320.5	1226.8	1177.4	1113.7	1065.5
16786.7	62.5°	14424.1	10582.3	1769.4	1060.3	1135.8	1208.6	1172.2	1122.8	1057.7	1010.9
19331.5	65°	16583.8	12460.9	1497.4	944.5	1038.2	1099.3	1113.7	1064.2	996.6	947.1
21561.4	67.5°	18405.2	13639.6	1133.2	848.2	938.0	1010.9	1051.2	1003.1	931.5	883.4
22083.1	70°	18305.0	12783.6	865.2	753.3	849.5	923.7	975.7	938.0	861.3	815.7
20058.7	72.5°	16258.5	10694.2	699.9	657.0	759.8	832.6	895.1	866.5	788.4	744.2
14694.7	75°	11944.4	7591.3	559.4	559.4	647.9	737.7	806.6	788.4	716.8	685.6
6169.3	77.5°	5034.8	3184.8	438.4	464.5	538.6	633.6	719.4	726.0	663.5	702.5
1631.4	80°	1338.7	878.2	334.4	365.6	422.8	523.0	625.8	623.2	555.5	519.1
606.3	82.5°	510.0	346.1	238.1	257.6	305.7	400.7	495.7	511.3	443.6	383.8
238.1	85°	196.5	148.3	147.0	154.8	178.2	265.4	374.7	387.7	334.4	283.6
66.4	87.5°	50.7	44.2	54.6	52.0	82.0	141.8	214.7	222.5	204.3	118.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
3594.6
3429.4
3178.3
2949.4
2811.4
2772.4
2803.6
2847.9
2847.9
2782.8
2661.8
2503.1
2319.7
2116.7
1938.5
1857.8
1739.4
1578.1
1445.4
1356.9
1291.9
1254.2
1160.5
1116.3
1062.9
1010.9
949.7
884.7
819.6
744.2
676.5
637.5
482.7
383.8
292.7
169.1
0.0