

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: P943768

Luminaire Tested: **GLAN-SB8B-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20985 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 292.8
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



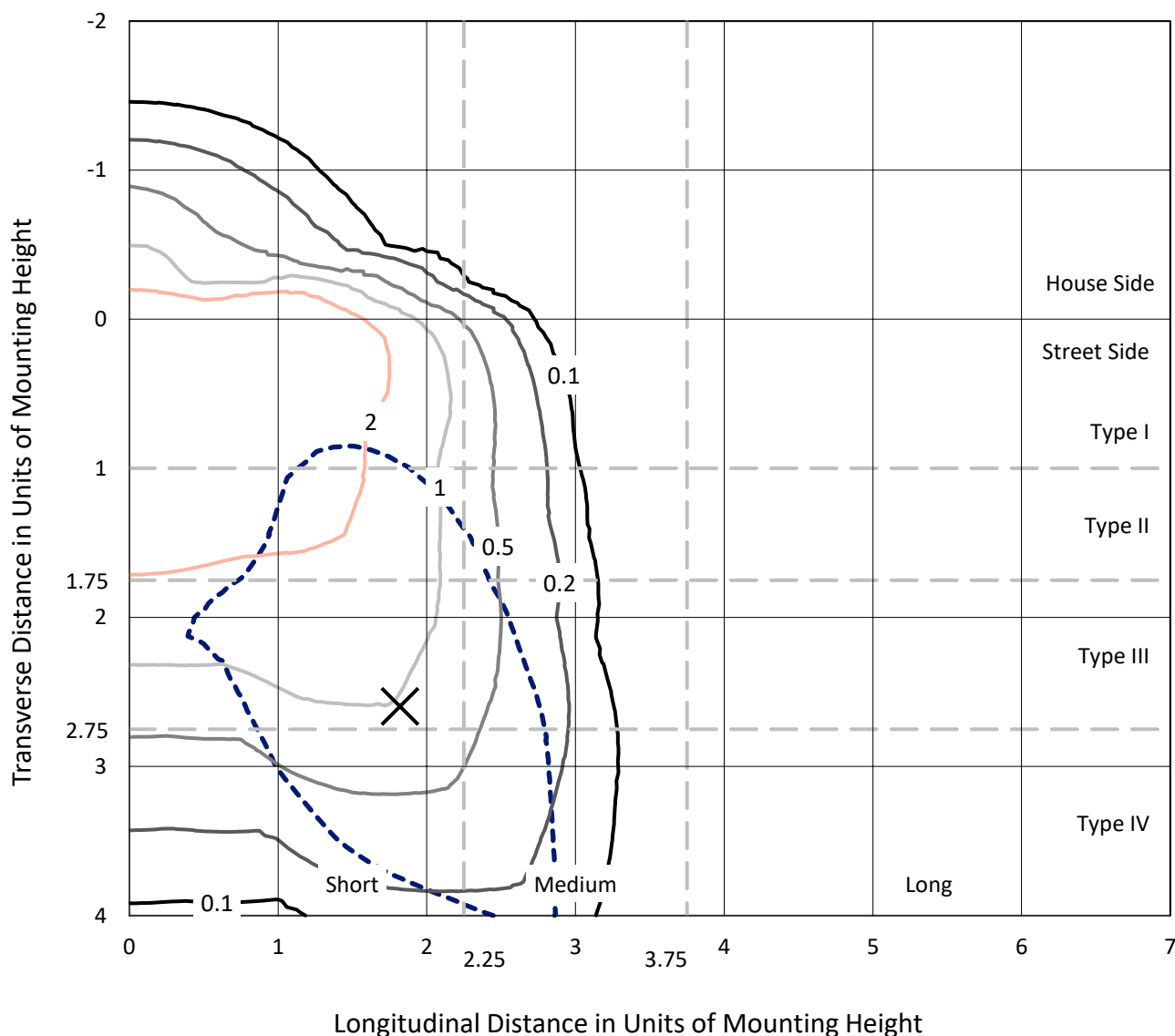
REPORT NUMBER: P943768

CATALOG NUMBER: GLAN-SB8B-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

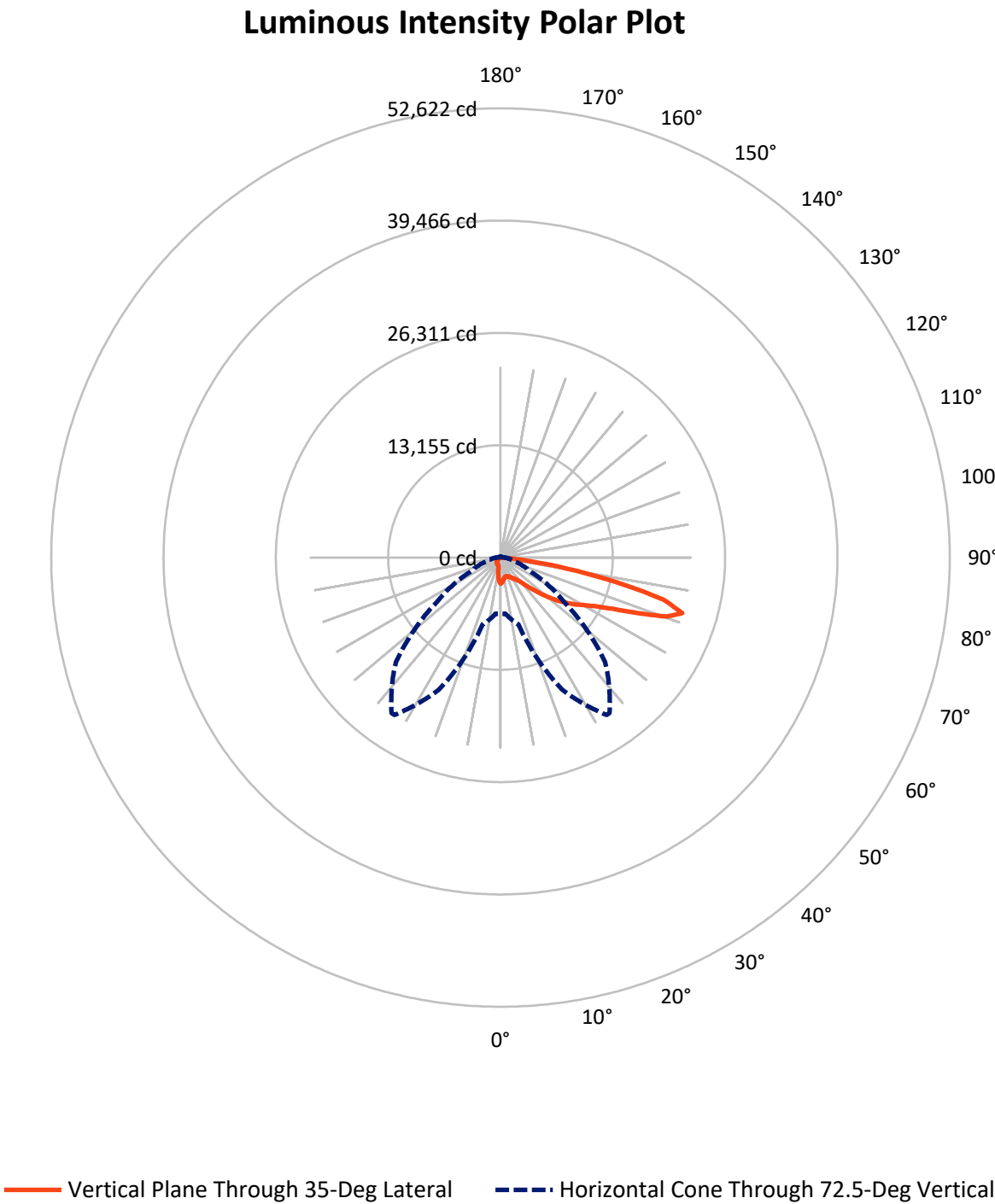
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc

Type IV - Short - N/A

REPORT NUMBER: P943768
CATALOG NUMBER: GLAN-SB8B-927-U-T4FT-HSS



REPORT NUMBER: P943768

CATALOG NUMBER: GLAN-SB8B-927-U-T4FT-HSS

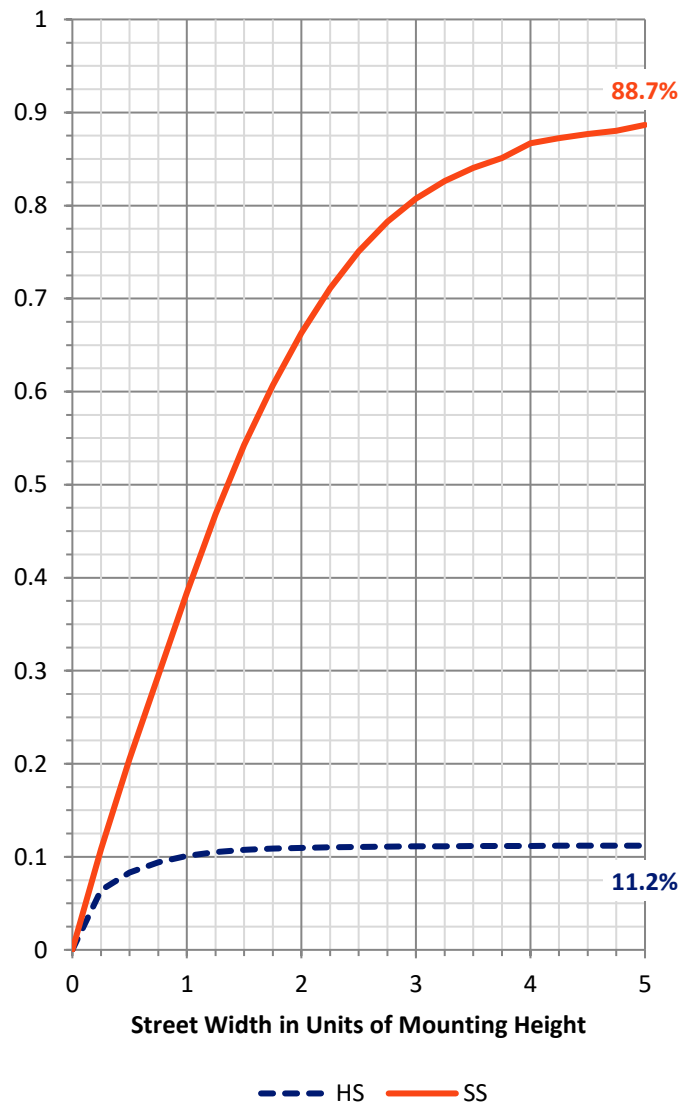
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2361.8	0.0	2361.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18623.2	0.0	18623.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	20985.0	0.0	20985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.9	1.2
10°-20°	584.7	2.8
20°-30°	949.8	4.5
30°-40°	1584.7	7.6
40°-50°	2998.3	14.3
50°-60°	4764.3	22.7
60°-70°	5893.7	28.1
70°-80°	3663.6	17.5
80°-90°	296.1	1.4
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°	20985.0	100.0
0°-180°	20985.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943768

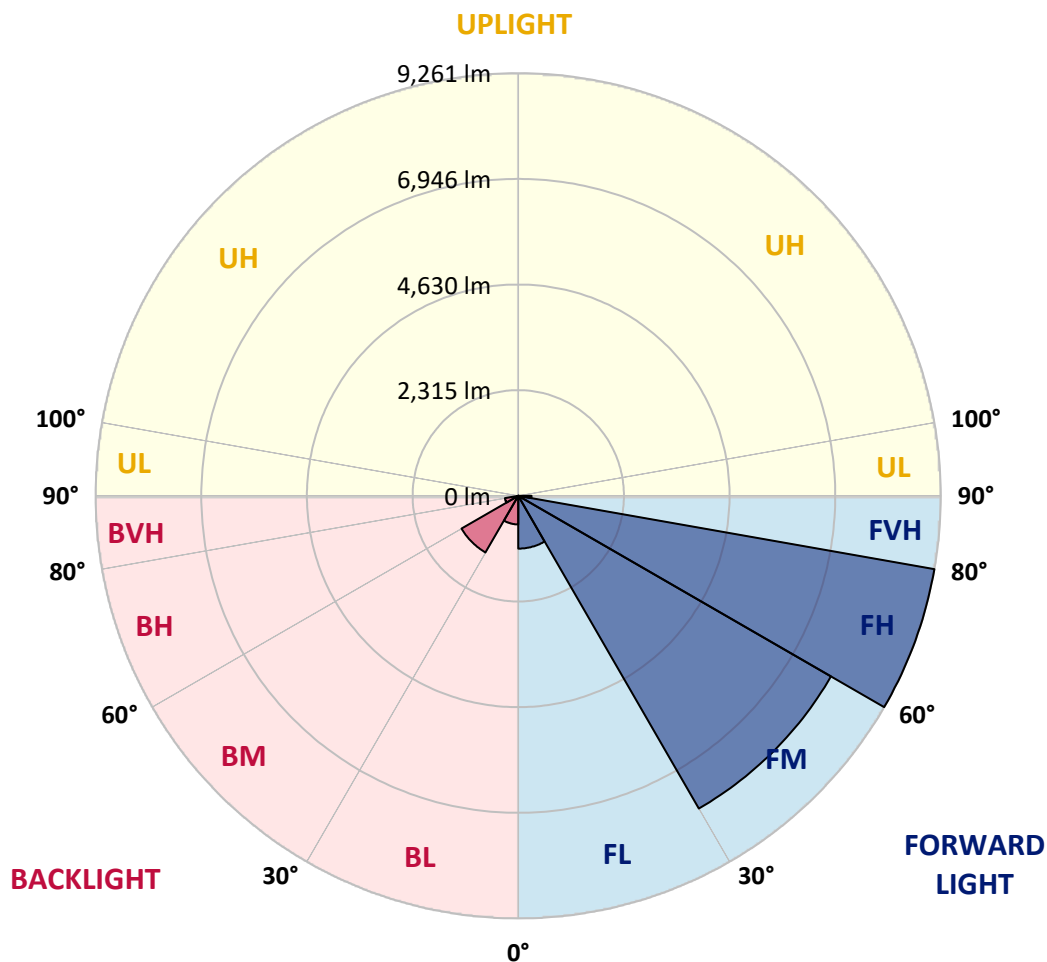
CATALOG NUMBER: GLAN-SB8B-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1156.8	5.5			
FM	(30°-60°)	7913.4	37.7			
FH	(60°-80°)	9260.9	44.1			G4/12000
FVH	(80°-90°)	292.0	1.4			G3/500
BL	(0°-30°)	627.6	3.0	B2/1000		
BM	(30°-60°)	1433.8	6.8	B2/2500		
BH	(60°-80°)	296.4	1.4	B1/500		G1/500
BVH	(80°-90°)	4.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P943768

CATALOG NUMBER: GLAN-SB8B-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4
2.5°	2906.1	2930.7	2935.3	2943.0	2943.0	2952.2	2967.6	2989.2	3024.5	3043.0
5°	2678.5	2697.0	2720.1	2738.5	2773.9	2778.5	2838.5	2896.9	2978.4	3039.9
7.5°	2449.4	2471.0	2501.7	2546.3	2592.4	2606.3	2697.0	2795.4	2924.6	3039.9
10°	2288.0	2289.5	2317.2	2361.8	2435.6	2452.5	2563.2	2703.2	2864.6	3021.4
12.5°	2197.3	2208.0	2220.3	2254.2	2324.9	2335.7	2454.1	2618.6	2804.6	3010.7
15°	2197.3	2205.0	2212.6	2229.6	2286.5	2295.7	2400.2	2564.8	2773.9	3015.3
17.5°	2220.3	2232.6	2226.5	2246.5	2306.4	2312.6	2404.9	2549.4	2772.3	3044.5
20°	2275.7	2284.9	2272.6	2284.9	2344.9	2357.2	2452.5	2578.6	2798.5	3095.2
22.5°	2363.3	2367.9	2338.7	2348.0	2409.5	2424.8	2535.6	2661.6	2861.5	3176.7
25°	2474.0	2483.3	2438.7	2449.4	2507.9	2526.3	2653.9	2786.2	2961.5	3289.0
27.5°	2601.7	2606.3	2567.8	2566.3	2641.6	2667.8	2796.9	2939.9	3095.2	3430.5
30°	2747.7	2761.6	2724.7	2718.5	2813.9	2835.4	2963.0	3129.1	3292.1	3642.6
32.5°	2863.1	2873.8	2852.3	2867.7	2964.5	2981.5	3164.4	3396.6	3601.1	3944.0
35°	3029.1	3035.3	2986.1	3013.8	3124.5	3167.5	3439.7	3771.8	3990.1	4322.3
37.5°	3630.3	3630.3	3421.2	3284.4	3390.5	3428.9	3816.4	4243.9	4469.9	4829.7
40°	4462.2	4448.4	4142.4	3862.5	3848.7	3924.0	4353.0	4838.9	5089.6	5438.6
42.5°	5349.4	5327.9	4911.2	4634.4	4588.3	4614.4	4972.7	5572.4	5827.6	6181.3
45°	6136.7	6130.5	5749.2	5377.1	5294.1	5377.1	5746.1	6430.4	6613.3	6985.4
47.5°	6796.3	6796.3	6518.0	6275.1	6232.0	6281.2	6793.2	7382.2	7365.2	7841.9
50°	7555.9	7549.8	7285.3	7180.7	7225.3	7294.5	7998.7	8384.7	8143.3	8683.0
52.5°	8087.9	8124.8	8034.1	8017.2	8244.8	8364.7	9222.7	9365.7	8839.8	9481.0
55°	8509.2	8552.3	8656.9	8775.2	9213.5	9370.3	10408.2	10296.0	9422.6	10173.0
57.5°	9105.8	9044.3	9205.8	9439.5	10148.4	10337.5	11556.8	11173.9	9891.6	10734.2
60°	9830.1	9839.3	9867.0	10162.2	11081.7	11324.6	12688.5	12004.3	10192.9	11078.6
62.5°	10700.4	10714.2	10771.1	11224.7	12334.9	12564.0	13894.0	12683.9	10331.3	10981.7
65°	10640.4	10698.8	11333.9	12885.3	14240.0	14466.0	15300.9	13160.6	10122.2	10096.1
67.5°	9693.2	9788.5	10851.0	14868.9	17112.3	17364.4	17001.6	13254.4	9219.6	7851.1
70°	8450.8	8484.6	9762.4	16652.5	20438.2	20693.4	18523.8	12222.6	6996.2	4379.2
72.5°	6599.5	6607.2	8106.4	17066.1	22243.3	22257.2	17329.1	9073.5	3762.6	1682.2
75°	4714.4	4668.2	5429.4	13840.2	19569.4	19726.2	12991.4	4256.2	1437.7	795.0
77.5°	2527.9	2578.6	3072.2	8207.9	13518.8	13786.4	7088.5	1227.0	731.9	541.2
80°	781.1	824.2	1259.3	3758.0	7657.4	7818.8	2627.8	545.9	510.5	385.9
82.5°	246.0	255.2	587.4	1579.1	3178.3	3252.1	761.1	309.1	349.0	255.2
85°	70.7	72.3	261.4	588.9	785.7	801.1	213.7	119.9	199.9	158.4
87.5°	7.7	24.6	98.4	98.4	69.2	67.7	23.1	26.1	56.9	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943768

CATALOG NUMBER: GLAN-SB8B-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3041.4	0°	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4	3041.4
3055.3	2.5°	3047.6	3049.1	3029.1	2995.3	2958.4	2927.6	2889.2	2858.5	2836.9	2830.8
3082.9	5°	3069.1	3058.3	3001.5	2898.4	2775.4	2669.3	2550.9	2457.1	2395.6	2369.5
3112.2	7.5°	3101.4	3070.6	2946.1	2743.1	2507.9	2298.8	2086.6	1922.0	1817.5	1765.2
3139.8	10°	3129.1	3067.6	2853.8	2518.6	2158.8	1842.1	1556.1	1357.7	1247.0	1194.7
3172.1	12.5°	3155.2	3066.0	2733.9	2252.6	1765.2	1377.7	1111.7	1013.3	982.5	971.8
3224.4	15°	3204.4	3070.6	2583.2	1948.2	1373.1	1041.0	944.1	942.6	948.7	945.6
3304.4	17.5°	3272.1	3075.3	2412.5	1625.3	1059.4	918.0	913.4	927.2	936.4	931.8
3404.3	20°	3359.7	3093.7	2231.1	1305.4	910.3	887.2	898.0	910.3	918.0	910.3
3538.1	22.5°	3482.7	3126.0	2032.7	1048.7	862.6	868.8	878.0	891.8	899.5	888.7
3708.8	25°	3633.4	3176.7	1837.5	911.8	839.5	847.2	861.1	876.4	885.7	874.9
3924.0	27.5°	3828.7	3258.2	1657.6	881.1	816.5	821.1	841.1	864.1	876.4	862.6
4230.0	30°	4111.6	3392.0	1502.3	894.9	802.6	791.9	819.6	851.8	865.7	853.4
4646.7	32.5°	4486.8	3581.1	1406.9	916.4	796.5	758.1	784.2	825.7	848.8	841.1
5191.0	35°	4978.8	3868.7	1370.0	941.0	791.9	722.7	741.1	785.7	825.7	833.4
5876.8	37.5°	5575.4	4268.5	1380.8	951.8	778.0	693.5	702.7	741.1	793.4	818.0
6648.7	40°	6253.5	4734.4	1442.3	941.0	762.7	668.9	670.4	699.6	745.8	782.7
7479.0	42.5°	6953.2	5278.7	1556.1	901.1	748.8	647.3	642.7	662.7	693.5	719.6
8307.8	45°	7619.0	5838.4	1668.3	845.7	731.9	625.8	615.1	622.7	628.9	639.7
9115.1	47.5°	8200.2	6232.0	1636.0	795.0	708.8	601.2	582.8	579.7	561.2	559.7
9836.2	50°	8601.5	6318.1	1453.1	744.2	675.0	573.5	544.3	525.9	493.6	478.2
10375.9	52.5°	8729.1	5978.3	1187.0	693.5	619.7	536.6	495.1	465.9	425.9	412.1
10686.5	55°	8560.0	5312.5	948.7	632.0	542.8	487.4	441.3	402.9	370.6	353.7
10720.3	57.5°	8146.4	4465.3	750.4	559.7	461.3	432.1	385.9	347.5	319.8	302.9
10345.2	60°	7460.6	3545.8	593.5	473.6	393.6	372.1	324.4	299.8	275.2	255.2
9376.5	62.5°	6419.6	2530.9	465.9	375.2	329.1	304.5	276.8	258.3	229.1	201.4
7634.3	65°	5009.6	1548.4	359.8	275.2	264.5	252.2	235.3	218.3	183.0	155.3
4980.4	67.5°	3159.8	733.4	256.8	207.6	209.1	203.0	195.3	181.4	155.3	130.7
2231.1	70°	1391.6	355.2	169.1	158.4	155.3	155.3	161.5	156.8	132.2	109.2
775.0	72.5°	473.6	190.7	126.1	119.9	112.2	110.7	135.3	130.7	106.1	84.6
385.9	75°	247.6	127.6	92.3	86.1	67.7	81.5	107.6	101.5	75.3	55.4
255.2	77.5°	161.5	90.7	63.0	55.4	38.4	53.8	80.0	70.7	44.6	27.7
167.6	80°	101.5	60.0	36.9	26.1	18.5	29.2	43.1	30.8	16.9	6.2
98.4	82.5°	53.8	30.8	13.8	9.2	7.7	9.2	10.8	7.7	3.1	0.0
50.7	85°	21.5	10.8	4.6	3.1	1.5	0.0	3.1	1.5	0.0	0.0
9.2	87.5°	7.7	1.5	0.0	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°
3041.4
2841.5
2378.7
1772.9
1196.3
968.7
944.1
930.3
908.7
887.2
873.4
862.6
851.8
841.1
833.4
824.2
795.0
730.4
645.8
558.2
479.7
410.5
353.7
299.8
250.6
196.8
150.7
127.6
104.6
80.0
50.7
24.6
4.6
0.0
0.0
0.0
0.0