

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: P951153

Luminaire Tested: **GLAN-SB5B-927-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-927-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14763 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

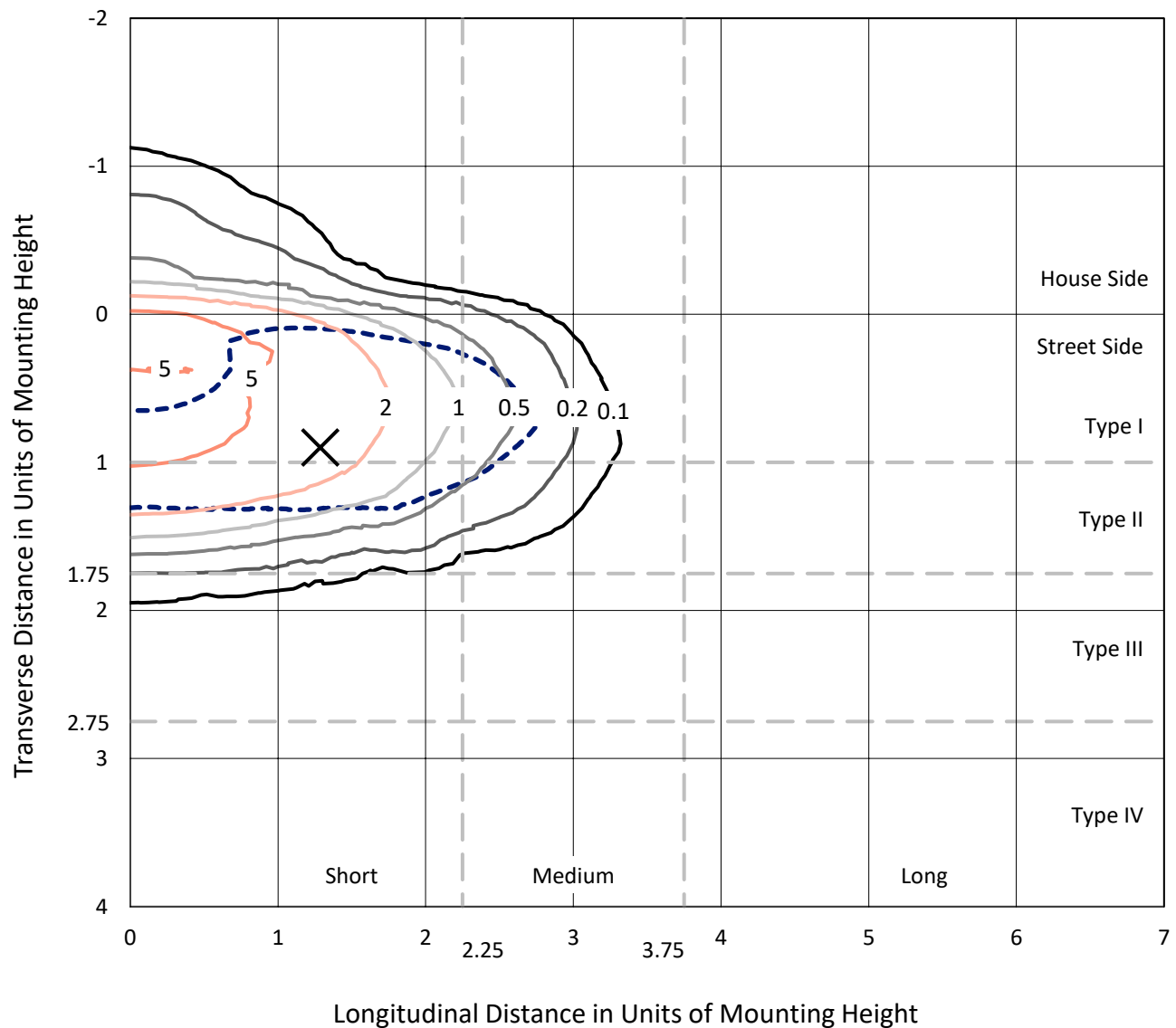
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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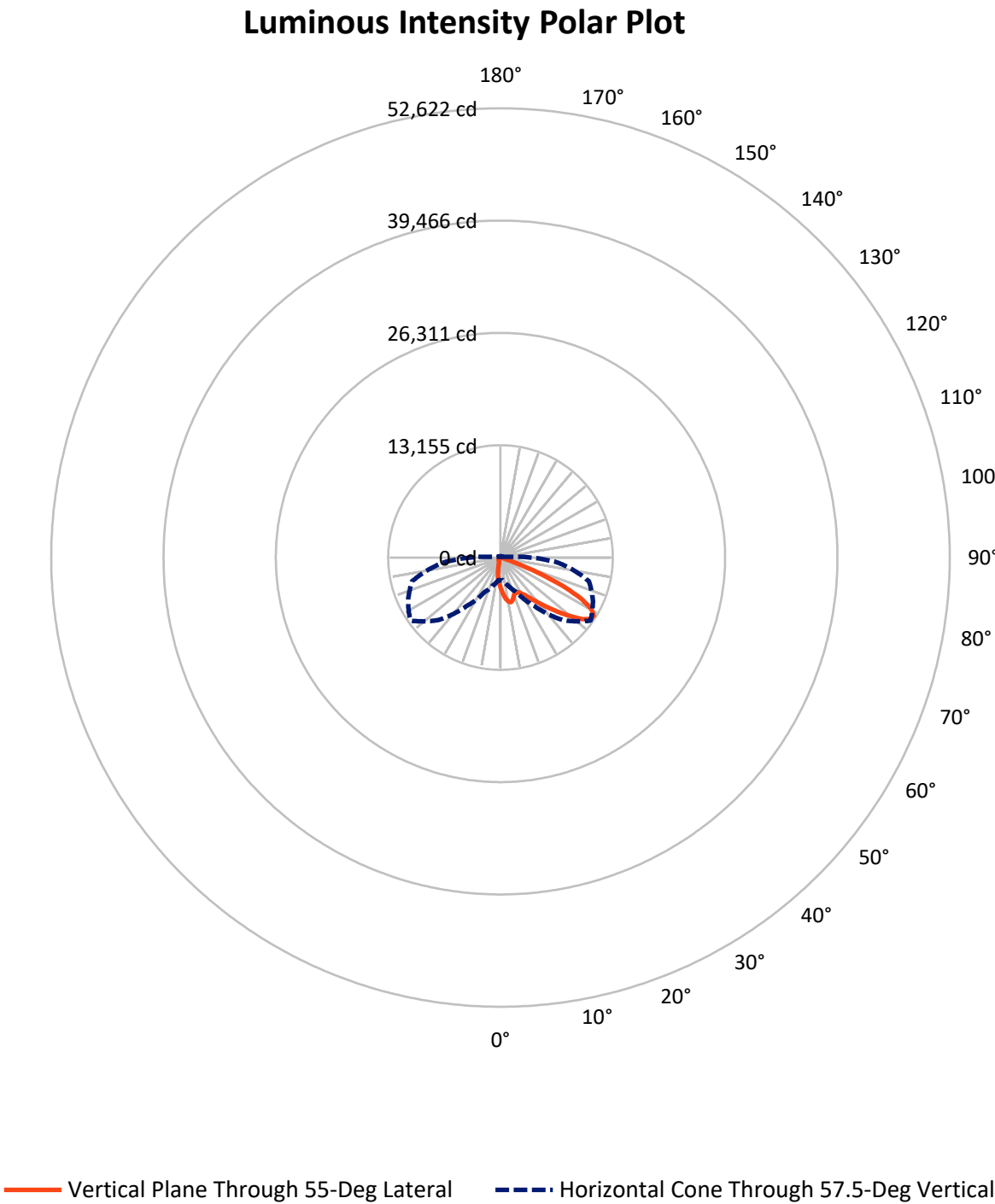
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Short - N/A

REPORT NUMBER: P951153
CATALOG NUMBER: GLAN-SB5B-927-U-AFL-HSS



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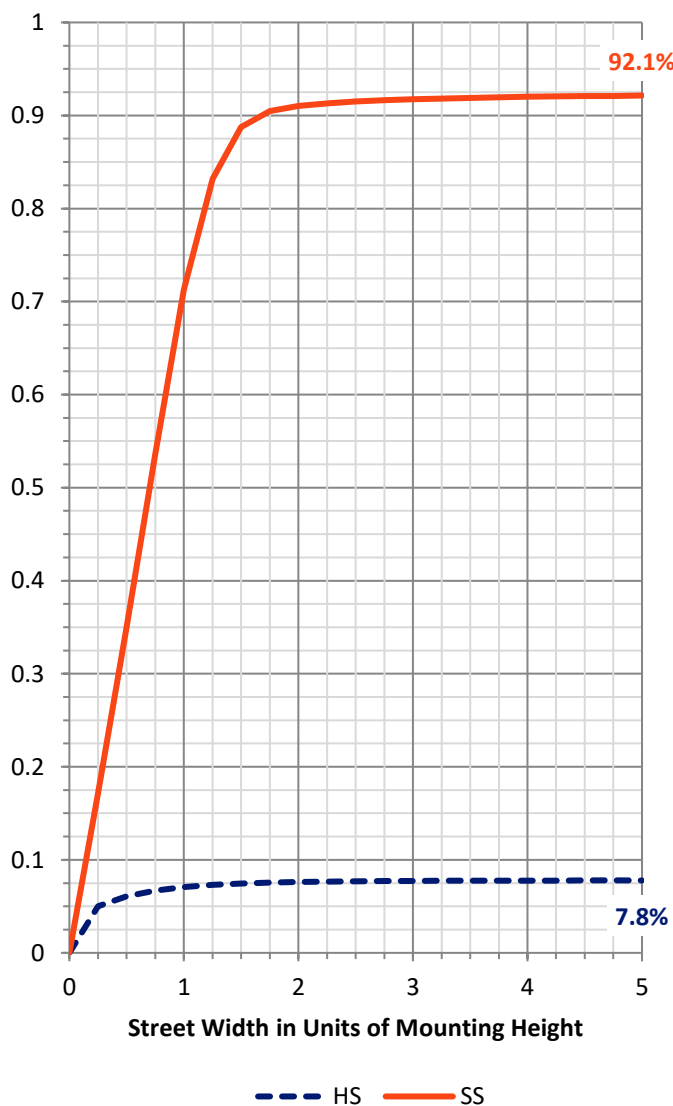
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1152.9	0.0	1152.9
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	13610.1	0.0	13610.1
	% Fixture	92.2	0.0	92.2
Total	Lumens	14763.0	0.0	14763.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.0	2.2
10°-20°	799.5	5.4
20°-30°	1279.3	8.7
30°-40°	2165.2	14.7
40°-50°	3554.9	24.1
50°-60°	3907.0	26.5
60°-70°	2241.1	15.2
70°-80°	457.9	3.1
80°-90°	27.0	0.2
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°	14763.0	100.0
0°-180°	14763.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951153

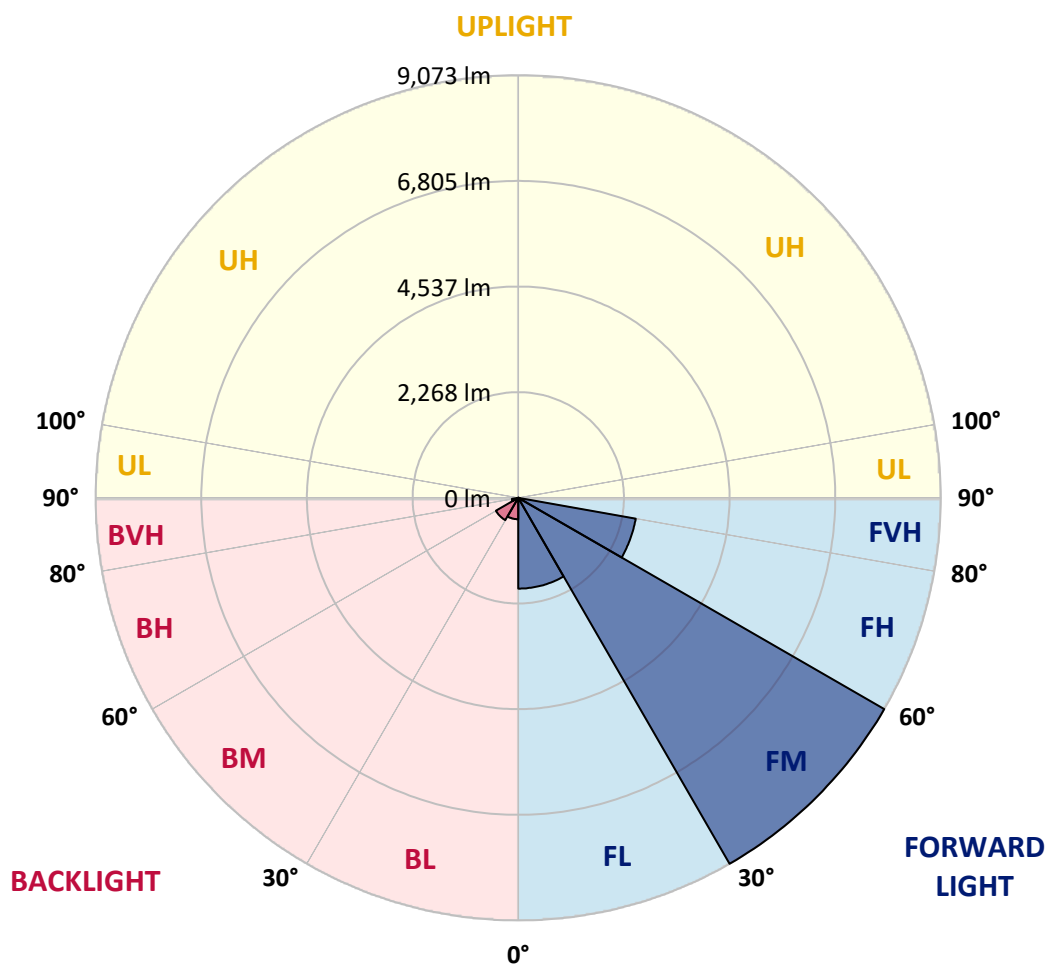
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1949.5	13.2			
FM	(30°-60°)	9073.4	61.5			
FH	(60°-80°)	2561.9	17.4			G2/5000
FVH	(80°-90°)	25.2	0.2			G1/100
BL	(0°-30°)	460.3	3.1	B1/500		
BM	(30°-60°)	553.7	3.8	B1/1000		
BH	(60°-80°)	137.1	0.9	B1/500		G1/500
BVH	(80°-90°)	1.8	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 II Short



REPORT NUMBER: P951153

CATALOG NUMBER: GLAN-SB5B-927-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5
2.5°	4414.1	4358.6	4350.4	4339.5	4233.9	4154.7	4040.0	3914.4	3773.3	3629.4
5°	5099.6	5055.9	5047.7	4996.7	4876.6	4741.8	4537.9	4280.3	4017.2	3707.7
7.5°	5232.5	5224.3	5261.6	5259.8	5243.4	5136.9	4964.9	4658.1	4263.0	3804.2
10°	4639.9	4660.8	4771.9	4869.3	5132.4	5285.3	5248.0	4994.9	4516.1	3914.4
12.5°	4100.1	4075.5	4154.7	4264.8	4570.7	5025.9	5365.4	5276.2	4805.6	4039.1
15°	3761.4	3751.4	3796.0	3847.0	4080.0	4538.8	5228.9	5504.7	5084.1	4186.5
17.5°	3653.1	3644.9	3658.6	3671.3	3822.4	4177.4	4903.9	5644.9	5350.8	4355.0
20°	3741.4	3730.5	3728.7	3718.6	3781.5	4023.6	4609.8	5654.9	5590.3	4507.9
22.5°	3999.0	3986.3	3941.7	3901.6	3907.1	4044.5	4478.8	5554.8	5770.5	4650.8
25°	4466.0	4445.1	4352.2	4217.5	4131.9	4190.2	4498.8	5422.8	5942.5	4762.8
27.5°	5050.4	5023.1	4903.9	4703.6	4507.9	4436.9	4643.5	5331.7	6085.5	4848.3
30°	5623.0	5587.5	5470.1	5314.4	5028.6	4804.7	4904.8	5371.8	6255.7	4937.6
32.5°	6241.1	6207.5	6051.8	5858.8	5622.1	5320.8	5262.5	5567.5	6464.2	5062.3
35°	7023.1	6970.3	6749.1	6486.0	6234.8	5929.8	5746.8	5905.2	6741.8	5252.5
37.5°	7913.4	7842.4	7603.9	7240.7	6912.9	6571.6	6336.7	6369.5	7148.7	5507.4
40°	8752.7	8688.1	8467.8	8125.5	7714.0	7299.8	7049.5	6976.7	7710.4	5817.8
42.5°	9256.1	9197.8	9105.0	8960.3	8613.4	8191.0	7875.2	7717.7	8374.9	6189.2
45°	9284.3	9233.3	9358.1	9526.5	9458.2	9176.9	8791.8	8503.3	9042.2	6537.9
47.5°	8832.8	8798.2	9176.9	9765.0	10058.1	10176.4	9821.4	9223.3	9592.9	6788.2
50°	7602.1	7589.3	8368.5	9448.2	10286.6	11052.2	10907.4	9893.3	10019.9	6917.5
52.5°	6591.6	6545.2	6999.4	8434.1	9954.3	11512.8	11968.8	10550.6	10318.4	6942.1
55°	4999.5	4958.5	5528.4	6737.3	8882.9	11348.9	12745.3	11228.8	10532.4	6879.3
57.5°	2681.8	2656.3	3376.4	4484.2	6943.9	10365.8	12885.5	11946.1	10712.6	6712.7
60°	1044.1	1039.6	1309.0	2175.7	4220.2	8433.2	12178.2	12376.7	10825.5	6507.9
62.5°	631.8	645.4	689.1	976.8	1864.3	5238.9	10547.8	11886.9	10901.0	6320.3
65°	522.5	523.4	528.9	670.9	893.0	2192.0	7940.7	10275.7	10714.4	5986.2
67.5°	447.9	456.1	477.0	532.5	629.9	961.3	4571.6	7959.8	9579.3	5208.8
70°	353.2	364.1	390.5	437.9	486.1	601.7	1689.5	5296.2	7318.0	3926.2
72.5°	297.7	296.8	310.4	355.9	386.0	423.3	650.0	2967.6	4253.0	1874.3
75°	230.3	239.4	256.7	297.7	315.9	306.8	352.3	1084.2	1523.9	568.0
77.5°	180.2	187.5	203.0	243.1	261.3	217.6	203.0	387.8	489.8	203.9
80°	81.0	87.4	138.4	179.3	213.0	150.2	110.1	198.4	217.6	92.9
82.5°	14.6	24.6	81.0	94.7	109.2	97.4	57.3	102.9	106.5	37.3
85°	0.9	1.8	28.2	34.6	43.7	31.9	17.3	41.0	35.5	12.7
87.5°	0.0	0.0	0.0	0.9	0.9	4.6	5.5	7.3	5.5	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951153

CATALOG NUMBER: GLAN-SB5B-927-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3557.5	0°	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5	3557.5
3565.7	2.5°	3500.2	3370.9	3245.3	3142.4	3082.3	2980.4	2913.0	2902.1	2873.9	2898.4
3574.8	5°	3432.8	3201.6	2967.6	2758.3	2586.2	2364.1	2198.4	2128.3	2067.3	2088.3
3598.5	7.5°	3400.9	3035.9	2671.8	2314.0	1946.3	1591.2	1327.2	1217.1	1133.3	1145.2
3624.9	10°	3358.2	2863.9	2293.1	1746.9	1254.4	903.9	721.9	654.5	617.2	618.1
3664.0	12.5°	3325.4	2658.1	1853.4	1184.3	763.8	577.1	520.7	504.3	493.4	494.3
3723.2	15°	3309.0	2416.0	1419.2	789.2	546.2	488.8	475.2	467.9	460.6	459.7
3788.7	17.5°	3281.7	2146.5	1038.7	576.2	477.9	457.9	446.1	437.9	428.8	426.9
3845.2	20°	3240.7	1840.7	759.2	487.0	447.9	432.4	416.0	405.1	394.2	392.3
3880.7	22.5°	3165.2	1517.5	583.5	450.6	426.0	408.7	388.7	376.0	365.0	363.2
3863.4	25°	3025.0	1214.4	491.6	427.8	406.9	386.0	364.1	346.8	336.8	335.0
3826.1	27.5°	2847.5	954.0	446.1	406.9	382.3	363.2	338.6	322.3	313.1	311.3
3776.9	30°	2638.1	734.6	419.7	383.2	353.2	336.8	315.0	301.3	295.9	295.9
3742.3	32.5°	2412.3	587.2	408.7	359.6	327.7	309.5	292.2	286.7	284.9	284.0
3761.4	35°	2200.2	509.8	403.3	340.5	305.0	287.7	280.4	281.3	284.9	284.9
3820.6	37.5°	2011.8	485.2	400.5	326.8	284.9	269.5	274.0	282.2	278.6	278.6
3924.4	40°	1841.6	487.9	398.7	316.8	268.5	259.4	268.5	262.2	253.1	252.2
4050.9	42.5°	1711.4	510.7	395.1	308.6	258.5	252.2	248.5	238.5	237.6	239.4
4182.0	45°	1616.7	530.7	394.2	305.0	247.6	235.8	231.2	221.2	239.4	244.0
4235.7	47.5°	1504.8	530.7	394.2	292.2	229.4	224.8	217.6	206.6	224.8	229.4
4184.7	50°	1360.0	497.0	378.7	277.6	214.8	212.1	199.4	185.7	182.1	184.8
4065.5	52.5°	1177.0	436.0	339.5	257.6	200.3	194.8	179.3	169.3	166.6	166.6
3851.6	55°	968.6	365.0	286.7	228.5	184.8	174.8	163.9	159.3	156.6	154.8
3552.1	57.5°	787.4	299.5	230.3	203.0	170.2	157.5	153.8	148.4	143.8	141.1
3301.7	60°	646.3	235.8	190.3	180.2	155.7	143.8	142.9	135.6	123.8	122.0
3095.1	62.5°	498.9	173.0	160.2	156.6	141.1	131.1	129.3	114.7	96.5	92.9
2802.0	65°	352.3	134.7	129.3	137.5	125.6	116.5	112.0	90.1	71.0	68.3
2345.0	67.5°	247.6	112.9	102.0	120.2	109.2	97.4	94.7	76.5	59.2	57.3
1773.3	70°	176.6	91.9	83.7	102.9	87.4	85.6	80.1	63.7	48.2	46.4
877.5	72.5°	124.7	70.1	64.6	89.2	60.1	73.7	65.5	49.2	36.4	34.6
298.6	75°	91.9	50.1	45.5	51.9	43.7	55.5	46.4	32.8	22.8	21.8
134.7	77.5°	67.4	31.9	27.3	25.5	25.5	34.6	25.5	13.7	10.0	9.1
68.3	80°	47.3	14.6	12.7	10.9	10.0	8.2	3.6	1.8	0.9	0.9
23.7	82.5°	28.2	6.4	6.4	4.6	2.7	0.0	0.0	0.0	0.0	0.0
9.1	85°	6.4	2.7	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
3.6	87.5°	0.9	0.9	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

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