

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: P454989

Luminaire Tested: **GLAN-SA6A-827-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-827-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14316 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 182
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

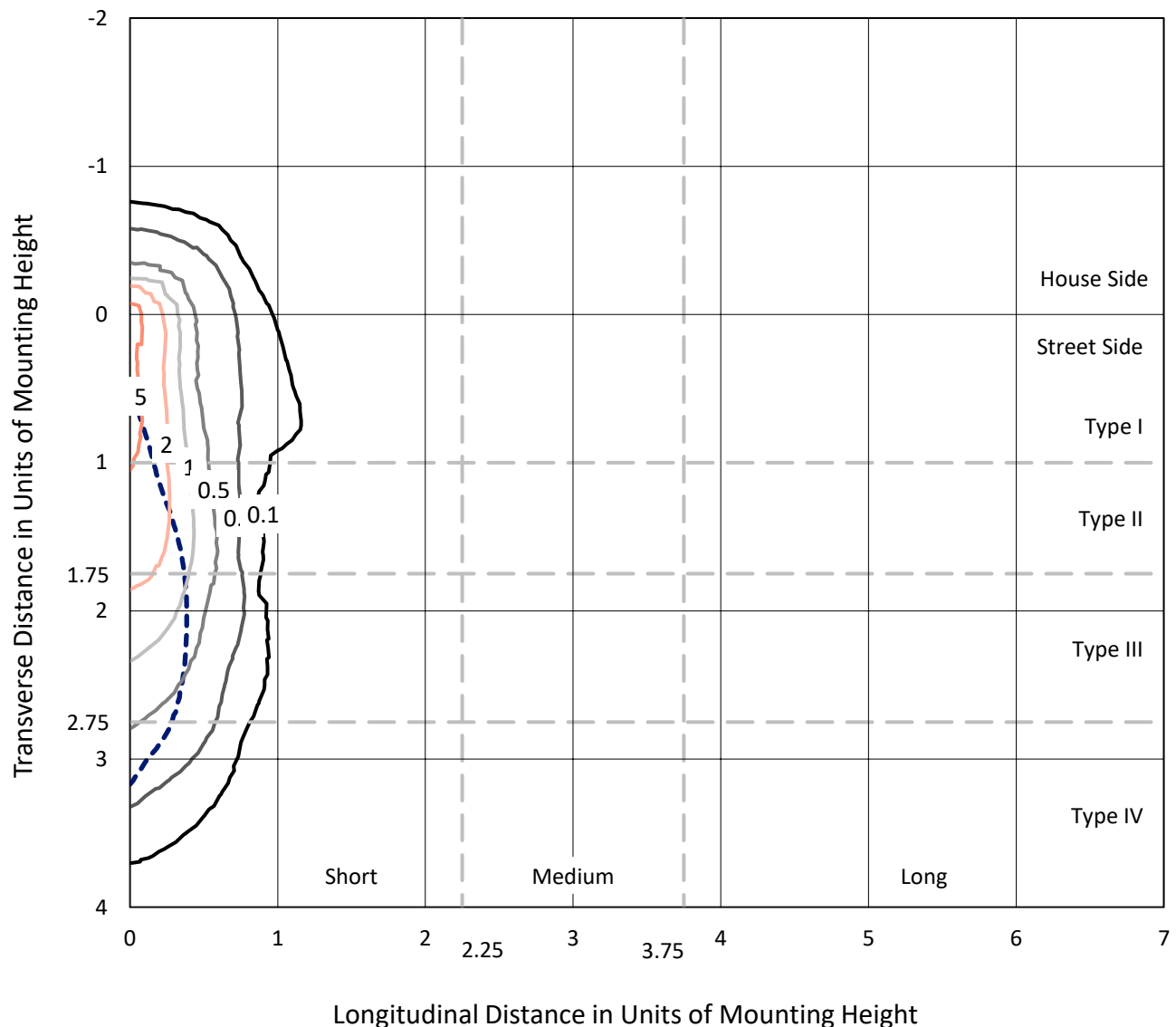


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

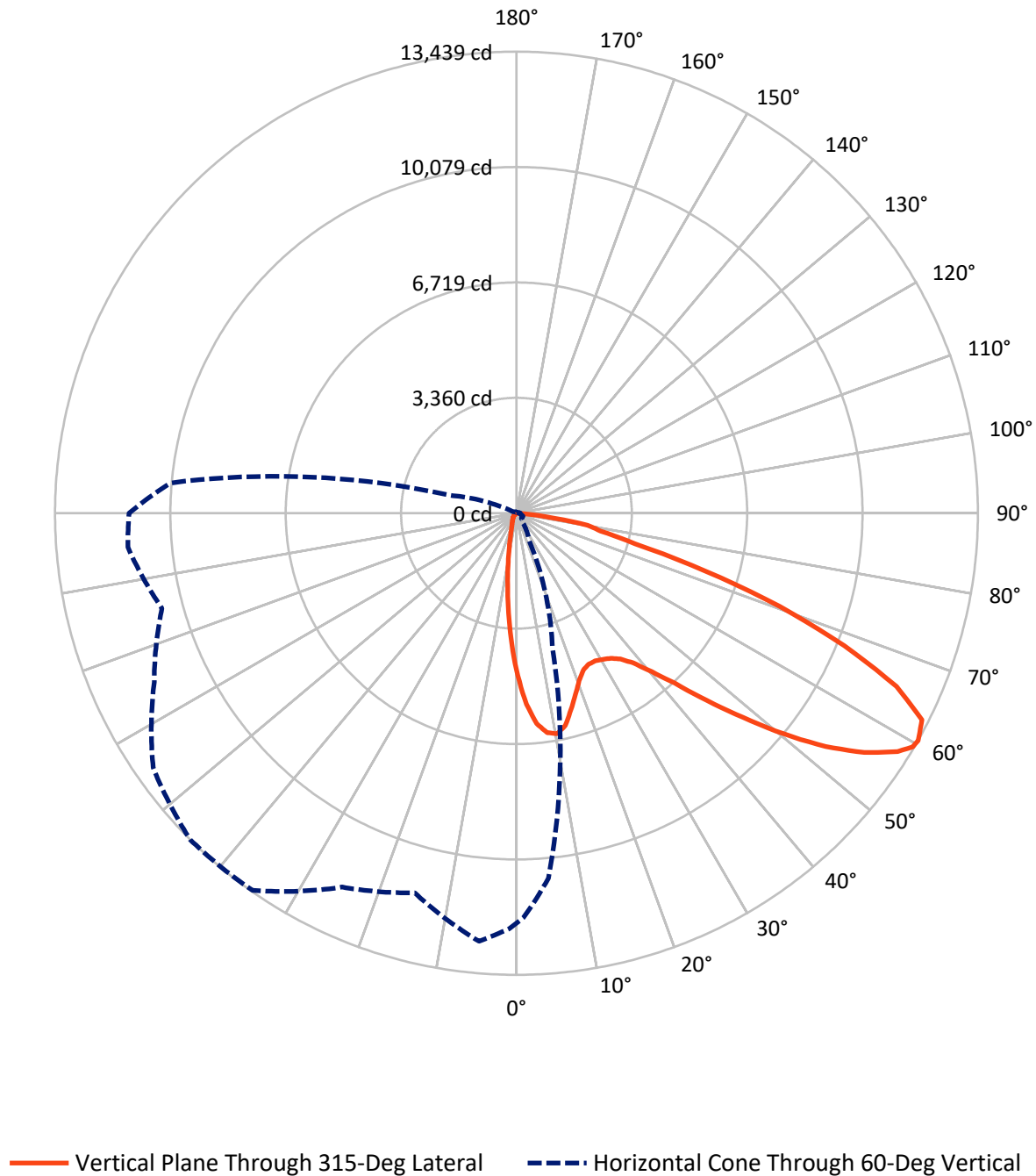


Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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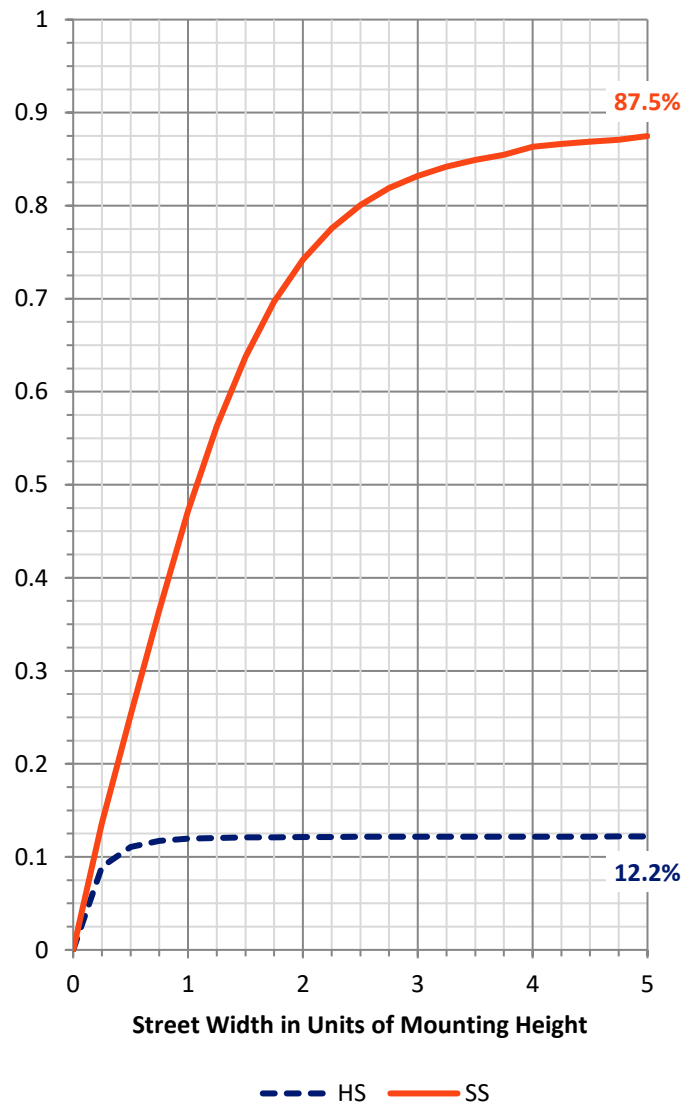
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1765.7	0.0	1765.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	12550.3	0.0	12550.3
	% Fixture	87.7	0.0	87.7
Total	Lumens	14316.0	0.0	14316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.9	2.5
10°-20°	698.9	4.9
20°-30°	1024.8	7.2
30°-40°	1524.1	10.6
40°-50°	2218.0	15.5
50°-60°	3198.5	22.3
60°-70°	3518.0	24.6
70°-80°	1575.8	11.0
80°-90°	205.9	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°	14316.0	100.0
0°-180°	14316.0	100.0

Coefficient of Utilization



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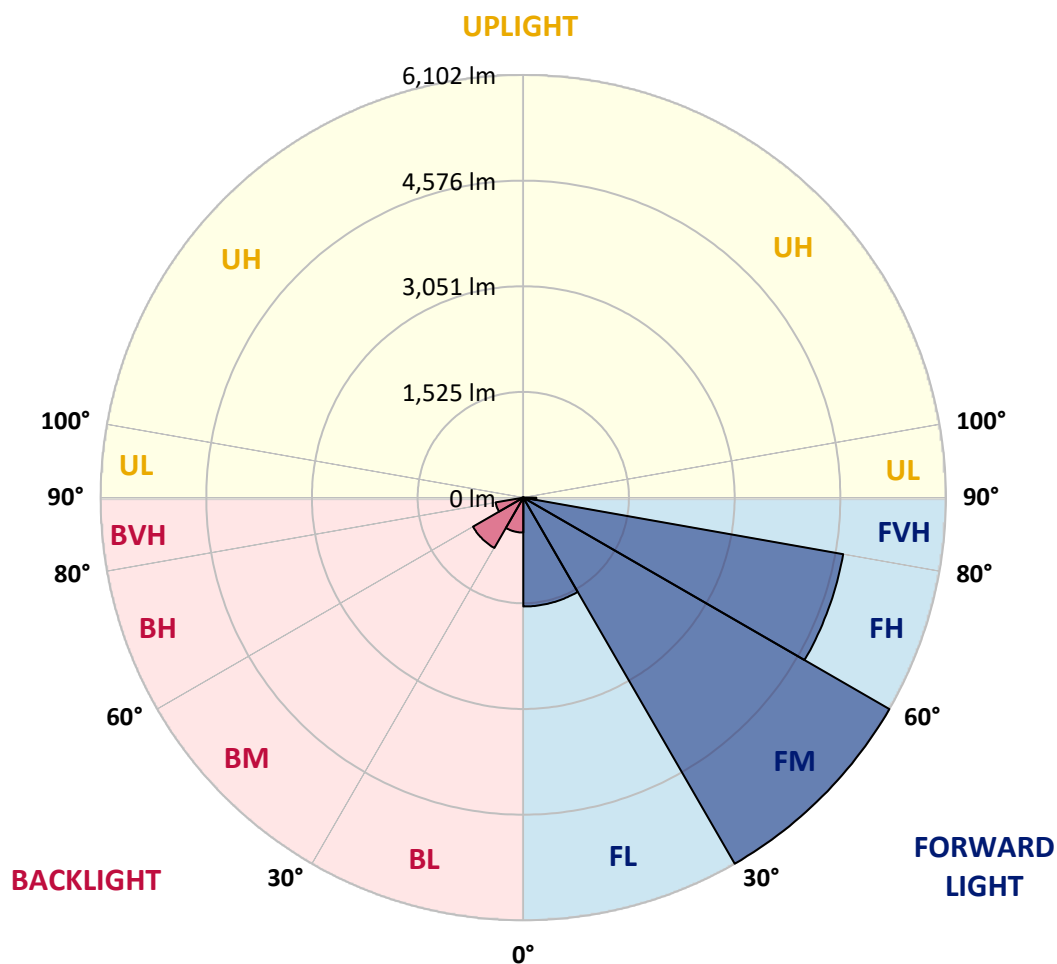
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1571.1	11.0			
FM	(30°-60°)	6101.9	42.6			
FH	(60°-80°)	4688.9	32.8			G2/5000
FVH	(80°-90°)	188.3	1.3			G2/225
BL	(0°-30°)	504.5	3.5	B2/1000		
BM	(30°-60°)	838.7	5.9	B1/1000		
BH	(60°-80°)	404.9	2.8	B1/500		G1/500
BVH	(80°-90°)	17.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6
2.5°	5201.8	5178.9	5126.7	4967.8	4829.6	4648.9	4466.1	4322.5	4234.3	4072.2	3998.2
5°	5039.6	5050.5	4899.2	4572.8	4209.3	3961.2	3690.2	3474.7	3237.5	3087.3	2929.5
7.5°	4616.3	4594.5	4430.2	3975.3	3533.5	3174.4	2831.6	2553.0	2377.8	2237.4	2119.9
10°	4253.9	4237.6	4027.6	3442.1	2967.6	2698.8	2467.0	2223.3	2035.0	1829.3	1665.0
12.5°	4026.5	3989.5	3747.9	3136.3	2750.0	2499.7	2247.2	1993.6	1733.6	1525.7	1326.6
15°	3950.3	3897.0	3628.2	3030.7	2610.7	2292.9	1976.2	1684.6	1385.3	1155.7	1005.5
17.5°	4088.5	4000.3	3714.1	3012.2	2444.2	2023.0	1633.4	1253.6	942.4	767.2	674.7
20°	4405.2	4304.0	3931.8	2993.7	2259.2	1720.5	1241.7	885.8	651.9	556.1	504.9
22.5°	4875.3	4736.0	4253.9	3023.1	2088.3	1425.6	896.7	625.7	518.0	458.1	422.2
25°	5440.1	5323.6	4662.0	3127.6	1953.4	1193.8	693.2	511.5	436.4	399.4	372.2
27.5°	6059.3	5873.2	5189.8	3252.7	1830.4	1014.2	608.3	457.1	388.5	354.8	340.6
30°	6500.0	6355.3	5631.6	3339.8	1677.0	879.3	556.1	450.5	389.6	349.3	323.2
32.5°	6935.3	6750.3	6001.6	3380.1	1564.9	785.7	481.0	392.9	341.7	321.0	294.9
35°	7401.1	7207.4	6370.5	3358.3	1481.1	723.7	436.4	350.4	292.7	257.9	231.8
37.5°	7872.3	7667.7	6737.3	3279.9	1428.9	698.6	401.6	333.0	276.4	240.5	212.2
40°	8431.6	8158.5	7081.1	3215.7	1374.4	685.6	378.7	322.1	264.4	226.4	198.1
42.5°	8888.7	8628.6	7406.5	3182.0	1337.4	655.1	378.7	313.4	256.8	214.4	185.0
45°	9321.8	9051.9	7758.0	3209.2	1322.2	617.0	383.1	312.3	251.4	205.7	176.3
47.5°	9684.2	9450.2	8119.3	3311.5	1302.6	575.7	360.2	327.6	248.1	198.1	167.6
50°	10111.9	9885.5	8597.1	3518.3	1267.8	534.3	331.9	352.6	247.0	191.5	160.0
52.5°	10714.8	10469.9	9256.5	3753.3	1212.3	471.2	305.8	349.3	242.7	180.6	152.4
55°	11451.5	11253.4	10020.5	4035.2	1136.1	400.5	264.4	310.1	229.6	162.1	139.3
57.5°	11923.8	11755.1	10592.9	4157.1	1019.7	327.6	232.9	260.1	210.0	144.7	124.1
59°	11979.3	11826.9	10712.6	4116.8	943.5	299.3	217.6	223.1	204.6	134.9	115.4
60°	11932.5	11774.7	10664.7	4038.4	872.8	279.7	204.6	198.1	205.7	129.5	108.8
62.5°	11632.1	11362.3	10200.0	3641.2	762.9	256.8	181.7	162.1	181.7	116.4	96.9
65°	11052.1	10647.3	9280.5	3081.9	719.3	243.8	154.5	136.0	138.2	102.3	83.8
67.5°	10039.0	9528.6	8056.2	2504.0	700.8	244.9	130.6	121.9	106.6	87.1	74.0
70°	8437.1	7927.8	6464.1	2060.0	692.1	244.9	111.0	104.5	89.2	72.9	64.2
72.5°	5978.8	5430.3	4360.6	1618.2	623.6	243.8	94.7	94.7	72.9	60.9	52.2
75°	3377.9	3382.2	2741.3	1144.8	518.0	201.3	76.2	75.1	53.3	46.8	39.2
77.5°	1968.6	1933.8	1847.8	491.9	240.5	91.4	53.3	45.7	37.0	33.7	28.3
80°	1012.1	832.5	810.7	178.5	86.0	57.7	37.0	26.1	23.9	21.8	19.6
82.5°	299.3	300.4	267.7	71.8	47.9	38.1	18.5	14.1	13.1	12.0	12.0
85°	20.7	13.1	15.2	21.8	29.4	15.2	1.1	3.3	3.3	4.4	5.4
87.5°	2.2	1.1	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6
2.5°	3916.6	3964.4	3875.2	3877.4	3803.4	3827.3	3740.3	3768.6	3717.4	3756.6	3871.9
5°	2946.9	2957.8	2886.0	2863.1	2874.0	2918.6	2936.1	2856.6	2890.4	2824.0	2819.6
7.5°	2076.4	2089.4	2048.1	2042.6	2121.0	2102.5	2136.2	2054.6	1977.3	2011.1	1949.0
10°	1612.8	1558.4	1473.5	1449.5	1434.3	1444.1	1444.1	1370.1	1359.2	1329.8	1374.4
12.5°	1273.2	1206.9	1126.3	1017.5	990.3	988.1	947.9	882.6	861.9	836.9	873.9
15°	925.0	897.8	830.3	769.4	707.4	695.4	630.1	576.8	506.0	496.2	493.0
17.5°	650.8	610.5	609.4	574.6	538.7	514.7	453.8	392.9	365.6	362.4	362.4
20°	487.5	473.4	450.5	446.2	435.3	408.1	353.7	321.0	308.0	309.1	313.4
22.5°	410.3	400.5	379.8	370.0	365.6	341.7	301.4	279.7	273.1	273.1	274.2
25°	366.7	358.0	335.2	319.9	314.5	297.1	265.5	249.2	243.8	243.8	243.8
27.5°	334.1	323.2	299.3	286.2	276.4	256.8	237.2	220.9	215.5	215.5	216.6
30°	311.2	299.3	277.5	260.1	244.9	227.4	211.1	197.0	190.4	189.4	190.4
32.5°	280.8	269.9	248.1	237.2	219.8	199.1	186.1	173.0	166.5	167.6	166.5
35°	218.7	215.5	200.2	203.5	193.7	176.3	164.3	150.2	142.6	141.5	143.6
37.5°	199.1	186.1	168.7	169.8	166.5	160.0	140.4	125.1	119.7	119.7	120.8
40°	183.9	170.9	151.3	141.5	142.6	142.6	121.9	105.6	100.1	99.0	101.2
42.5°	170.9	157.8	136.0	119.7	115.4	120.8	103.4	87.1	81.6	79.4	81.6
45°	162.1	148.0	123.0	104.5	91.4	97.9	84.9	71.8	65.3	65.3	64.2
47.5°	153.4	140.4	113.2	90.3	76.2	72.9	69.6	57.7	51.1	50.1	51.1
50°	145.8	132.8	102.3	78.4	64.2	56.6	56.6	45.7	41.4	39.2	40.3
52.5°	138.2	124.1	92.5	69.6	55.5	45.7	40.3	37.0	33.7	32.6	33.7
55°	127.3	113.2	82.7	59.9	47.9	38.1	31.6	30.5	28.3	26.1	28.3
57.5°	114.3	101.2	72.9	51.1	38.1	29.4	26.1	25.0	22.9	21.8	21.8
59°	106.6	94.7	67.5	44.6	33.7	26.1	23.9	22.9	20.7	18.5	19.6
60°	102.3	92.5	64.2	41.4	30.5	23.9	21.8	20.7	18.5	17.4	18.5
62.5°	90.3	82.7	56.6	33.7	23.9	17.4	15.2	16.3	15.2	14.1	15.2
65°	79.4	72.9	47.9	26.1	18.5	12.0	10.9	14.1	13.1	12.0	13.1
67.5°	70.7	63.1	40.3	19.6	13.1	6.5	7.6	12.0	12.0	10.9	12.0
70°	60.9	54.4	32.6	14.1	6.5	3.3	5.4	8.7	10.9	9.8	10.9
72.5°	50.1	42.4	25.0	9.8	3.3	0.0	3.3	7.6	10.9	9.8	10.9
75°	39.2	31.6	18.5	5.4	0.0	0.0	1.1	6.5	10.9	9.8	10.9
77.5°	28.3	22.9	10.9	1.1	0.0	0.0	1.1	6.5	10.9	9.8	10.9
80°	18.5	16.3	4.4	0.0	0.0	0.0	1.1	6.5	10.9	10.9	12.0
82.5°	12.0	8.7	0.0	0.0	0.0	0.0	2.2	8.7	12.0	13.1	13.1
85°	5.4	0.0	0.0	0.0	0.0	0.0	4.4	10.9	14.1	14.1	14.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.2	7.6	13.1	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6
2.5°	3891.5	3960.1	4056.9	4206.0	4326.8	4517.3	4663.1	4862.2	5063.6	5124.5	5219.2
5°	2864.2	2952.4	3172.2	3372.4	3498.7	3901.3	4156.0	4557.5	4917.7	5090.8	5279.0
7.5°	1989.3	2093.8	2261.4	2541.0	2806.6	3134.1	3545.5	4004.7	4532.5	4779.5	5045.1
10°	1396.2	1526.8	1762.9	1992.6	2326.6	2637.9	3043.8	3550.9	4133.1	4424.8	4757.8
12.5°	881.5	997.9	1310.2	1568.1	1984.9	2346.2	2720.6	3179.8	3854.5	4153.8	4503.1
15°	503.9	601.8	747.6	1078.4	1540.9	2018.7	2485.5	3018.8	3712.0	4080.9	4458.5
17.5°	375.4	401.6	466.9	654.0	1075.2	1633.4	2269.0	2969.8	3808.8	4241.9	4672.9
20°	315.6	333.0	363.5	437.5	685.6	1258.0	2057.9	2978.5	4122.2	4666.3	5075.5
22.5°	282.9	293.8	318.9	366.7	467.9	916.3	1810.8	3029.6	4502.0	5187.6	5659.9
25°	248.1	262.3	284.0	325.4	389.6	635.5	1567.1	3143.9	5034.2	5849.3	6293.3
27.5°	220.9	234.0	255.7	293.8	341.7	485.4	1283.0	3241.8	5595.7	6515.3	6878.7
30°	193.7	206.8	228.5	259.0	302.5	392.9	977.2	3299.5	6140.9	7014.8	7294.4
32.5°	170.9	181.7	202.4	229.6	265.5	333.0	770.5	3239.7	6557.7	7468.6	7655.7
35°	148.0	161.1	178.5	203.5	235.1	284.0	641.0	3032.9	6915.7	7935.4	8002.9
37.5°	124.1	139.3	157.8	180.6	205.7	261.2	514.7	2804.4	7298.8	8517.6	8406.6
40°	104.5	118.6	136.0	161.1	183.9	239.4	396.1	2560.6	7712.3	9063.9	8847.3
42.5°	84.9	100.1	120.8	143.6	181.7	208.9	306.9	2308.1	8083.4	9539.5	9245.6
45°	67.5	80.5	102.3	131.7	180.6	179.6	237.2	2058.9	8363.1	9879.0	9542.7
47.5°	53.3	64.2	86.0	128.4	166.5	152.4	190.4	1904.4	8656.9	10184.8	9770.2
50°	42.4	53.3	74.0	133.9	145.8	130.6	160.0	1929.4	8940.9	10340.4	9863.8
52.5°	35.9	46.8	64.2	105.6	112.1	114.3	140.4	2044.8	9307.7	10506.9	10049.8
55°	31.6	41.4	54.4	74.0	87.1	102.3	128.4	2128.6	9798.5	10863.8	10460.1
57.5°	25.0	35.9	49.0	63.1	71.8	89.2	118.6	2135.1	10242.5	11322.0	11005.3
59°	22.9	32.6	45.7	59.9	64.2	80.5	112.1	2079.6	10258.8	11390.5	11255.6
60°	20.7	31.6	43.5	55.5	60.9	76.2	106.6	2015.4	10110.8	11281.7	11359.0
62.5°	17.4	27.2	38.1	44.6	52.2	63.1	92.5	1782.5	9393.6	10788.8	11167.5
65°	15.2	23.9	32.6	37.0	43.5	54.4	81.6	1426.7	8601.4	10120.6	10619.0
67.5°	14.1	21.8	28.3	31.6	38.1	50.1	72.9	1007.7	7575.2	9272.8	9795.2
70°	13.1	20.7	25.0	29.4	33.7	42.4	62.0	587.6	5835.1	7786.3	8338.1
72.5°	13.1	19.6	21.8	25.0	29.4	38.1	57.7	317.8	3989.5	5939.6	6652.4
75°	13.1	18.5	19.6	21.8	26.1	34.8	51.1	166.5	2579.1	4126.6	5092.9
77.5°	13.1	17.4	19.6	20.7	25.0	30.5	44.6	104.5	1718.3	2890.4	3442.1
80°	14.1	17.4	18.5	20.7	23.9	28.3	37.0	69.6	1009.9	1739.0	2094.9
82.5°	15.2	17.4	19.6	21.8	25.0	27.2	32.6	43.5	465.8	1150.3	1301.5
85°	16.3	18.5	20.7	22.9	26.1	27.2	30.5	31.6	76.2	519.1	701.9
87.5°	17.4	19.6	21.8	23.9	28.3	28.3	28.3	28.3	26.1	55.5	141.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GLAN-SA6A-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6	4731.6
2.5°	5338.9	5461.8	5547.8	5569.6	5507.6	5479.3	5400.9	5279.0	5205.0	5201.8
5°	5626.2	5914.6	6114.8	6148.5	6028.8	5826.4	5585.9	5275.8	5094.0	5039.6
7.5°	5577.2	6082.1	6404.3	6451.1	6249.7	5863.4	5397.6	4898.1	4700.1	4616.3
10°	5375.9	5991.8	6452.1	6526.1	6257.3	5713.2	5121.2	4564.1	4318.1	4253.9
12.5°	5203.9	5826.4	6235.6	6337.9	6134.4	5591.3	4955.8	4349.7	4086.3	4026.5
15°	5128.8	5630.5	5880.8	5933.1	5899.3	5515.2	4938.4	4317.0	4015.6	3950.3
17.5°	5203.9	5464.0	5495.6	5548.9	5624.0	5507.6	5106.0	4494.4	4169.0	4088.5
20°	5400.9	5319.3	5188.7	5211.6	5383.5	5539.1	5404.2	4887.3	4491.1	4405.2
22.5°	5736.1	5283.4	4987.4	4967.8	5185.4	5644.7	5841.6	5419.4	4960.2	4875.3
25°	6147.4	5373.7	4913.4	4870.9	5108.2	5799.2	6317.2	6071.3	5569.6	5440.1
27.5°	6595.8	5560.9	4913.4	4872.0	5101.6	5936.3	6724.2	6648.0	6200.8	6059.3
30°	6841.7	5715.4	4984.1	4937.3	5182.2	6015.8	6941.8	7160.6	6675.2	6500.0
32.5°	7061.6	5929.8	5122.3	5034.2	5350.8	6133.3	7136.6	7595.9	7052.8	6935.3
35°	7264.0	6159.4	5312.8	5210.5	5572.8	6294.3	7352.1	8052.9	7578.5	7401.1
37.5°	7487.1	6426.0	5609.8	5522.8	5943.9	6607.8	7607.8	8653.6	8095.4	7872.3
40°	7729.7	6735.1	6098.5	6061.5	6533.8	6962.5	7931.1	9294.6	8685.2	8431.6
42.5°	7976.8	7090.9	6697.0	6757.9	7201.9	7459.8	8263.0	9787.6	9168.4	8888.7
45°	8200.9	7545.8	7475.1	7776.5	7981.1	7945.2	8508.9	10134.7	9589.5	9321.8
47.5°	8483.9	8208.6	8416.4	8881.1	8886.5	8473.0	8695.0	10418.8	9951.9	9684.2
50°	8800.6	8991.0	9632.0	10105.3	9978.0	8992.1	8912.6	10755.0	10326.3	10111.9
52.5°	9167.3	9867.0	10755.0	11280.6	10983.5	9558.0	9275.0	11118.5	10920.4	10714.8
55°	9593.9	10464.5	11874.8	12293.8	11994.5	10261.0	9825.7	11611.5	11591.9	11451.5
57.5°	10076.0	11095.6	12523.4	13090.4	12823.8	11085.8	10595.0	12076.1	12002.1	11923.8
59°	10456.8	11419.9	12809.6	13397.3	13236.2	11663.7	11112.0	12365.6	12096.8	11979.3
60°	10687.5	11639.8	12915.2	13438.6	13401.6	12007.6	11439.5	12507.1	12095.7	11932.5
62.5°	11372.0	12023.9	12874.9	13254.7	13399.4	12667.0	12400.4	12662.7	11871.5	11632.1
65°	11615.8	11896.6	12207.8	12161.0	12285.1	12633.3	13014.2	12491.8	11392.7	11052.1
67.5°	11141.3	10500.4	10610.3	10298.0	10237.0	11231.7	12765.0	11656.1	10455.8	10039.0
70°	9391.5	8044.2	7988.7	8132.4	7738.4	9093.3	11462.4	10046.6	8909.4	8437.1
72.5°	7392.4	5684.9	5217.0	5745.9	5733.9	6937.5	9522.0	7129.0	6019.0	5978.8
75°	5813.3	3957.9	3473.6	3559.6	3725.0	5022.2	7583.9	4527.1	3706.5	3377.9
77.5°	3902.4	2804.4	2616.1	2510.6	2689.0	3224.4	4798.0	2455.1	2078.5	1968.6
80°	2249.4	2037.2	2313.6	2100.3	2196.1	2031.7	2386.5	1126.3	934.8	1012.1
82.5°	1463.7	1160.1	1236.2	918.5	1255.8	1266.7	766.1	333.0	281.9	299.3
85°	915.2	544.1	305.8	217.6	433.1	796.6	239.4	20.7	23.9	20.7
87.5°	237.2	90.3	38.1	56.6	69.6	62.0	55.5	3.3	1.1	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)