

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: P533305

Luminaire Tested: **GLAN-SA8D-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28881 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

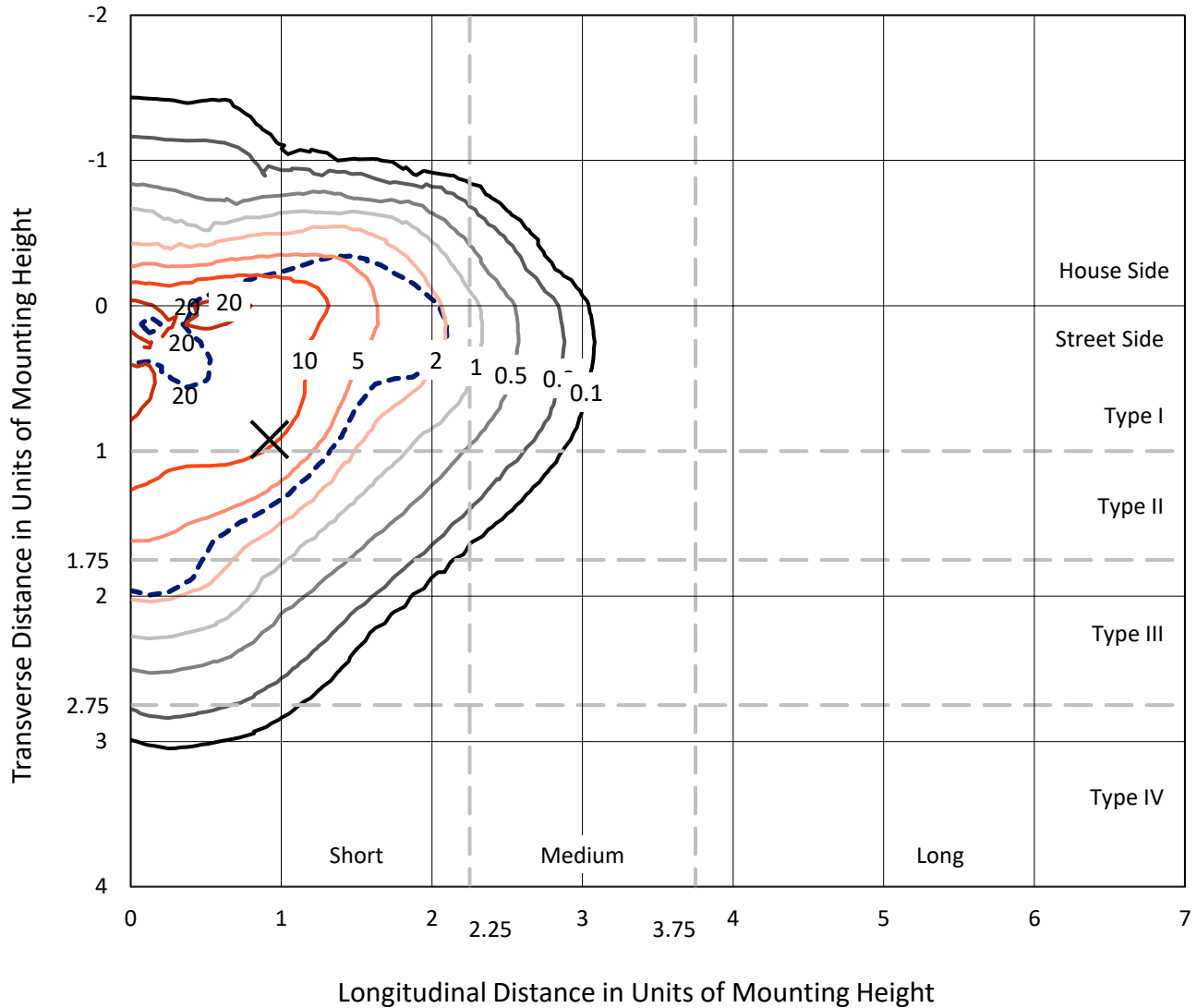
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

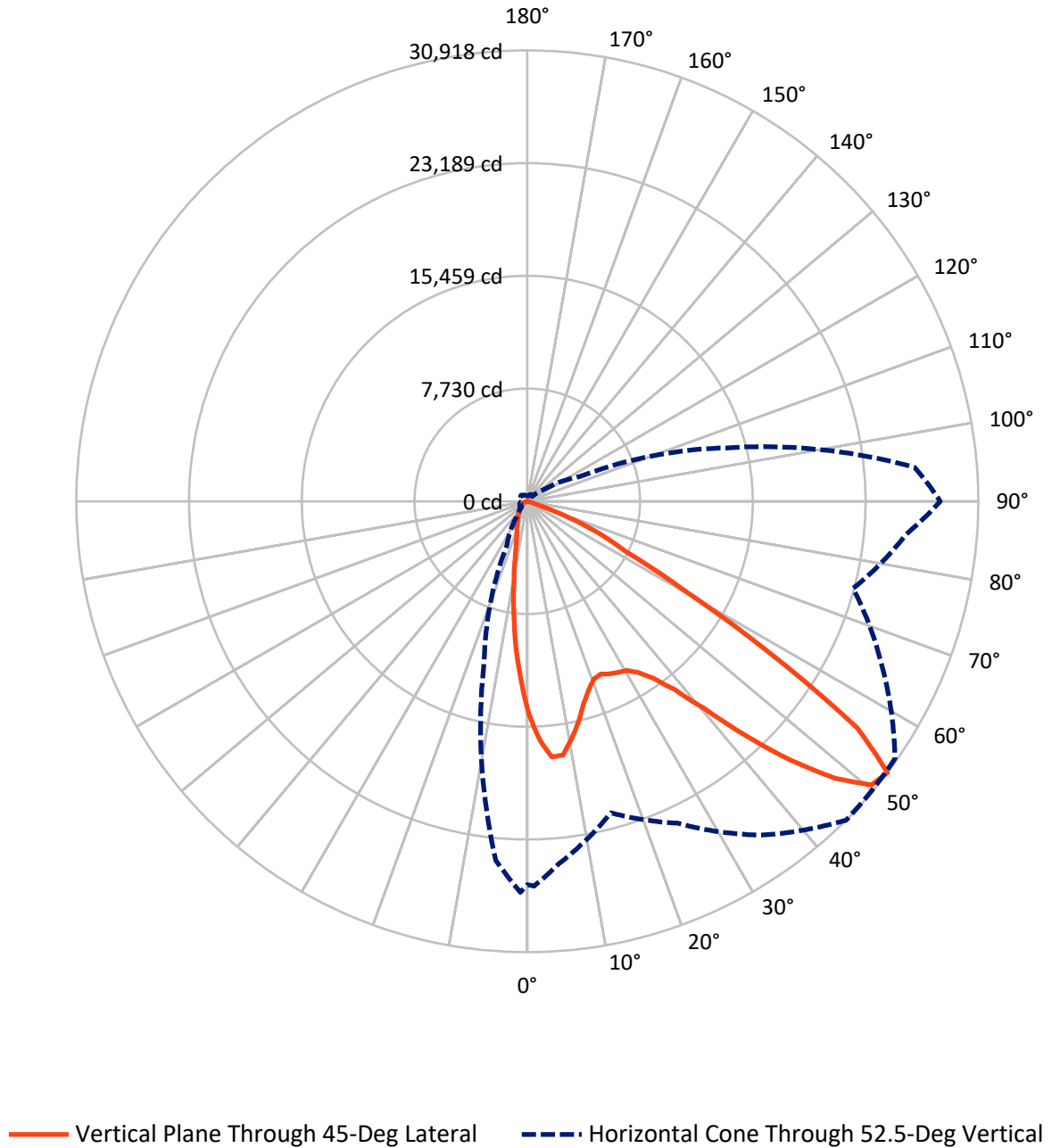
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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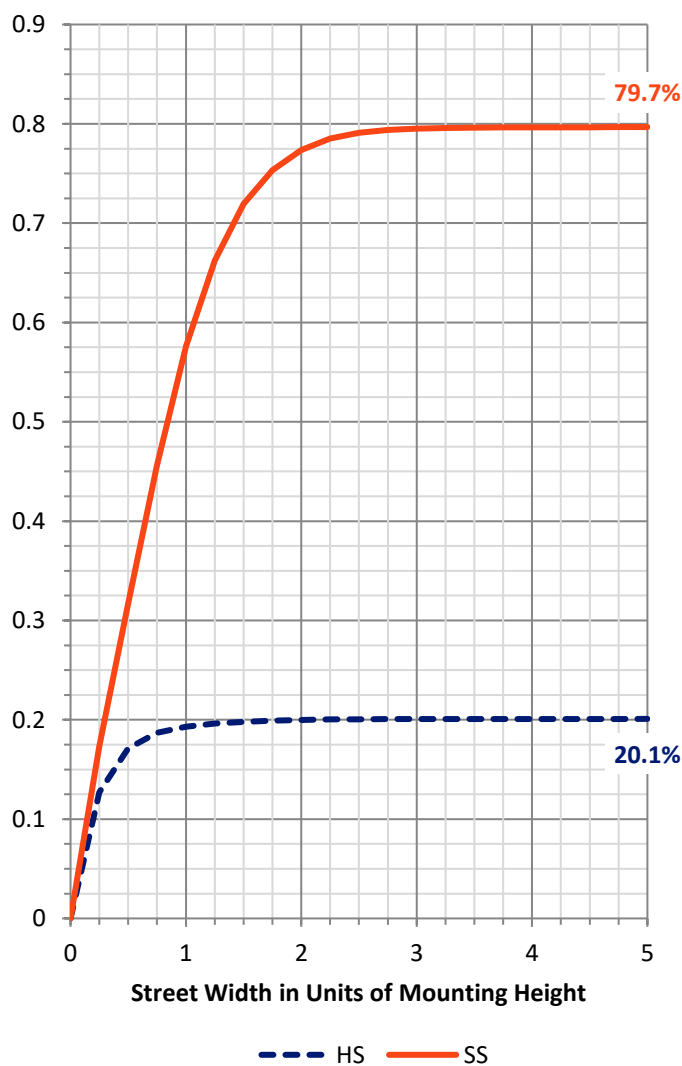
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5861.4	0.0	5861.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	23019.6	0.0	23019.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	28881.0	0.0	28881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1068.0	3.7
10°-20°	2107.1	7.3
20°-30°	3206.6	11.1
30°-40°	4792.6	16.6
40°-50°	6825.1	23.6
50°-60°	7336.8	25.4
60°-70°	3251.1	11.3
70°-80°	263.0	0.9
80°-90°	30.7	0.1
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°	28881.0	100.0
0°-180°	28881.0	100.0

Coefficient of Utilization

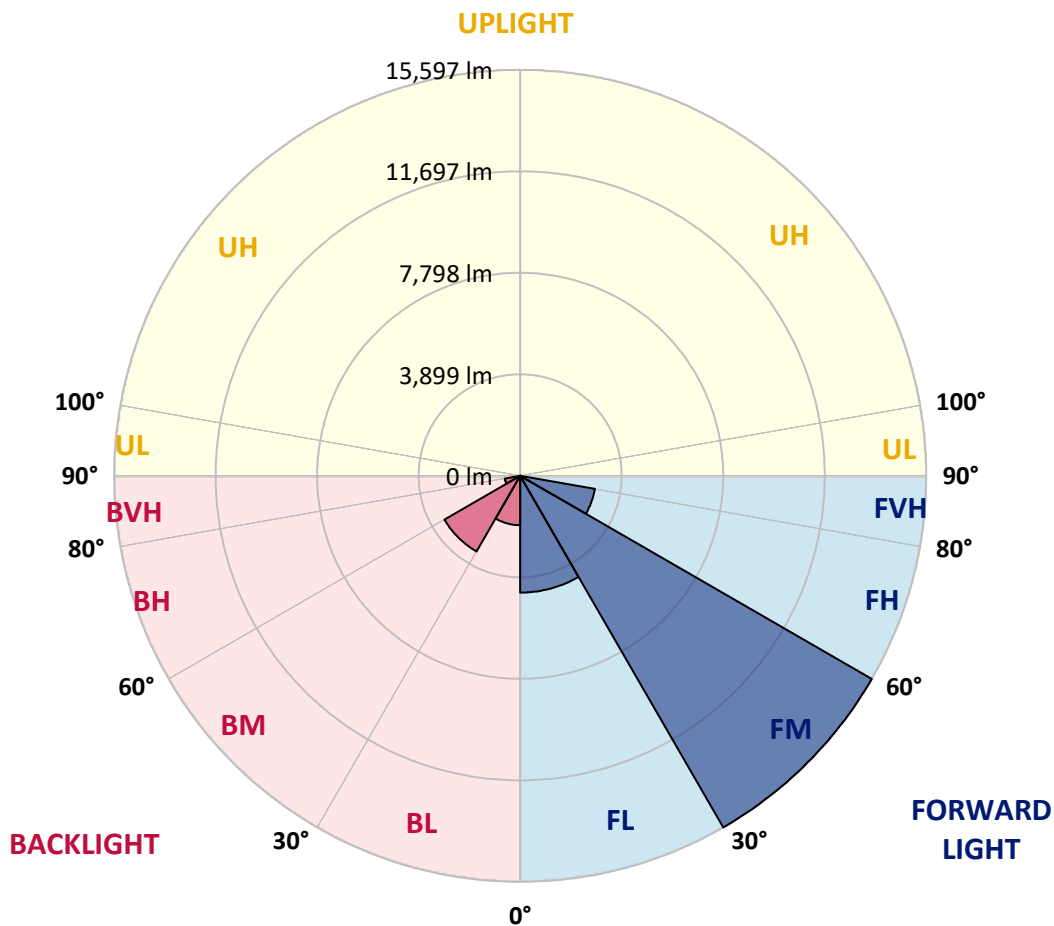


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4485.8	15.5			
FM (30°-60°)	15596.6	54.0			
FH (60°-80°)	2914.4	10.1			G2/5000
FVH (80°-90°)	22.7	0.1			G1/100
BL (0°-30°)	1895.8	6.6	B3/2500		
BM (30°-60°)	3357.9	11.6	B3/5000		
BH (60°-80°)	599.7	2.1	B2/1000		G2/1000
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0
2.5°	15496.1	15541.5	15791.4	16103.9	16268.6	16643.5	16382.2	16450.4	16308.4	15808.5	15416.5
5°	15024.6	15018.9	15337.0	16109.5	16842.3	17586.4	17609.2	17211.5	16512.9	15746.0	14649.7
7.5°	13604.5	13826.0	14155.5	15388.1	16745.7	17302.4	17569.4	17103.6	16030.0	14933.7	13746.5
10°	12530.9	12644.5	13201.2	14689.5	15683.5	16427.6	16592.4	16325.4	15501.7	14132.8	12803.6
12.5°	11911.7	11968.6	12621.8	13871.5	14922.3	15473.3	15552.9	15677.8	15087.1	13803.3	12207.1
15°	11917.4	11962.9	12843.3	13888.5	14303.2	14155.5	14416.8	14411.1	14666.7	13740.8	12707.0
17.5°	12775.2	12826.3	13621.5	14138.5	13956.7	13610.2	13593.1	13854.4	14394.1	14519.0	13462.5
20°	14252.1	14371.4	14956.4	14928.0	13905.6	13206.9	13013.7	13212.6	14467.9	15178.0	14984.8
22.5°	16240.2	16404.9	16813.9	16030.0	14138.5	12934.2	12871.7	13258.0	14956.4	16649.2	16711.7
25°	18546.4	18824.8	19023.6	18018.2	14967.8	13405.7	13110.3	13774.9	15615.4	18245.4	18910.0
27.5°	20074.4	20364.1	20318.7	18881.6	15524.5	13530.7	13280.7	13899.9	16189.1	18626.0	20057.4
30°	21267.3	21443.4	21761.5	19347.4	16081.1	13882.8	13456.8	14428.2	16376.5	19284.9	21443.4
32.5°	22659.0	22778.3	22801.0	20171.0	16938.9	14325.9	14002.1	15087.1	17205.9	19915.4	22670.4
35°	24062.1	24238.2	23868.9	21187.8	17467.2	15149.6	14911.0	16228.8	17870.5	20568.6	24022.3
37.5°	25584.4	25675.3	24823.2	21608.2	18222.6	16490.1	16359.5	17461.5	19023.6	21750.2	25521.9
40°	26862.5	26947.7	25840.0	22125.1	19017.9	18364.7	18699.8	19813.2	20591.4	22517.0	26271.7
42.5°	27572.5	27771.4	26180.9	21841.0	20614.1	20489.1	21977.4	22369.3	22409.1	22732.9	26942.0
45°	27765.7	27674.8	25618.5	22073.9	22011.5	23982.5	25334.5	25851.4	24215.4	23130.5	27112.4
47.5°	26873.9	26993.1	24789.2	21869.4	23846.2	26629.6	28379.2	29339.1	25561.7	22784.0	26692.1
50°	26152.5	25999.1	24522.2	21721.8	24340.4	27879.3	30577.5	30793.3	26800.0	23210.0	26232.0
52.5°	26294.5	26391.0	24948.2	22113.7	24351.8	27953.1	30918.3	30770.6	26839.8	23113.5	26067.2
55°	26595.5	26169.5	24766.4	21250.3	22721.5	25891.2	27441.9	27214.7	24772.1	22085.3	25663.9
57.5°	22948.7	23607.6	22772.6	18972.5	18648.7	19506.4	19478.0	20176.7	18478.3	19006.5	23363.4
60°	18626.0	18739.6	19052.0	16228.8	12905.8	12610.4	12201.4	11758.4	12434.3	16251.6	21250.3
62.5°	16382.2	16245.9	17359.2	14763.3	9111.3	7628.7	7560.6	7833.2	9594.2	15501.7	19932.4
65°	11906.1	12076.5	12883.1	11457.3	6839.2	5822.4	5720.1	6526.8	7765.1	12423.0	15212.0
67.5°	7270.9	7600.3	7674.2	7066.4	4640.9	3686.6	3538.9	4271.6	5606.5	8037.7	8918.2
70°	3357.1	3754.7	4129.6	3857.0	2686.8	1516.7	1431.5	1795.0	2828.8	4623.8	4731.8
72.5°	1016.8	1022.5	1431.5	1493.9	869.1	340.8	301.1	397.6	960.0	1528.0	1607.5
75°	73.8	79.5	193.1	221.5	164.7	85.2	90.9	107.9	204.5	340.8	255.6
77.5°	5.7	5.7	5.7	28.4	51.1	56.8	73.8	85.2	107.9	125.0	113.6
80°	5.7	0.0	5.7	22.7	39.8	56.8	68.2	79.5	85.2	96.6	85.2
82.5°	0.0	0.0	0.0	17.0	39.8	56.8	62.5	85.2	96.6	113.6	96.6
85°	0.0	0.0	0.0	17.0	39.8	62.5	56.8	28.4	0.0	0.0	0.0
87.5°	0.0	0.0	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°	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0
2.5°	15484.7	15263.2	14757.6	14502.0	13899.9	13814.7	13223.9	13127.3	12928.5	12820.6	12559.3
5°	14166.9	13899.9	13076.2	12383.2	11576.6	11014.2	10582.5	10190.6	9963.4	9753.2	9849.8
7.5°	13093.3	12315.1	11400.5	10241.7	9310.1	8708.0	8049.1	7509.5	7191.4	6975.5	7026.6
10°	11968.6	11463.0	10190.6	8889.8	7765.1	7339.0	6822.1	6407.5	5958.7	5572.4	5390.7
12.5°	11616.4	10866.6	9270.4	7946.8	7094.8	6680.1	6089.4	5612.2	5038.5	4567.0	4402.3
15°	11678.9	10957.4	9020.4	7606.0	6600.6	5884.9	5180.5	4589.7	3959.2	3629.8	3459.3
17.5°	12695.6	11446.0	9185.2	7248.2	5913.3	4919.2	4050.1	3300.3	2828.8	2488.0	2414.2
20°	13945.3	12502.5	9537.4	6986.9	5350.9	3913.8	2959.5	2311.9	1920.0	1863.2	1846.1
22.5°	15774.4	14229.3	10292.8	6810.8	4663.6	3050.4	2027.9	1681.4	1573.5	1562.1	1567.8
25°	18330.6	16393.6	11116.5	6663.1	4146.7	2351.7	1658.7	1425.8	1391.7	1374.7	1403.1
27.5°	19438.2	17700.1	11553.9	6345.0	3675.2	2118.8	1635.9	1414.4	1317.8	1289.4	1306.5
30°	20807.2	18569.1	12241.2	5799.7	2982.2	1743.9	1528.0	1539.4	1493.9	1351.9	1306.5
32.5°	22624.9	19654.1	12587.7	5413.4	2664.1	1442.8	1119.0	1028.1	1147.4	1170.2	1209.9
35°	23789.4	20756.1	12763.8	5186.2	2499.4	1232.6	948.6	863.4	835.0	840.7	863.4
37.5°	25953.6	22244.4	12985.3	4947.6	2374.4	1073.6	857.7	778.2	738.4	738.4	761.2
40°	27248.8	23425.9	13286.4	4817.0	2249.4	977.0	778.2	710.0	676.0	676.0	687.3
42.5°	27572.5	24010.9	13184.2	4771.5	2107.4	954.3	710.0	658.9	619.2	613.5	607.8
45°	28151.9	24902.8	13201.2	4720.4	1959.7	869.1	670.3	613.5	556.7	551.0	545.3
47.5°	28788.1	25544.7	13235.3	4521.6	1817.7	727.1	698.7	568.0	499.9	488.5	488.5
50°	28242.8	26055.9	13530.7	4322.8	1635.9	590.8	687.3	534.0	443.1	426.0	431.7
52.5°	28311.0	26658.0	14155.5	4044.4	1408.7	471.5	556.7	505.6	403.3	374.9	380.6
55°	27220.4	26021.8	14240.7	3749.0	1102.0	363.5	426.0	443.1	340.8	329.5	329.5
57.5°	23431.6	22034.2	12565.0	3039.0	727.1	301.1	306.7	386.3	295.4	284.0	289.7
60°	20051.7	17688.7	10111.1	2005.2	454.4	238.6	221.5	391.9	261.3	255.6	272.7
62.5°	18279.5	14536.1	7668.5	1244.0	312.4	181.8	153.4	318.1	227.2	227.2	249.9
65°	13206.9	9764.6	4459.1	653.2	221.5	142.0	113.6	181.8	187.5	193.1	204.5
67.5°	8179.7	4930.6	1880.2	318.1	147.7	96.6	73.8	113.6	125.0	125.0	136.3
70°	4038.7	1965.4	624.8	181.8	113.6	79.5	51.1	62.5	62.5	56.8	62.5
72.5°	1249.7	590.8	159.1	113.6	79.5	51.1	28.4	22.7	11.4	0.0	5.7
75°	142.0	113.6	102.2	79.5	51.1	22.7	5.7	0.0	0.0	0.0	0.0
77.5°	85.2	96.6	96.6	79.5	51.1	17.0	0.0	0.0	0.0	0.0	0.0
80°	68.2	73.8	79.5	73.8	45.4	22.7	0.0	0.0	0.0	0.0	0.0
82.5°	85.2	96.6	107.9	96.6	62.5	28.4	11.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	17.0	5.7	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0
2.5°	12451.4	12326.4	12502.5	12241.2	12235.5	12241.2	12167.4	12099.2	12207.1	12496.8	12525.2
5°	9503.3	9770.2	9855.5	10133.8	9980.4	9753.2	9798.6	9645.3	10020.2	10184.9	10054.3
7.5°	6918.7	6901.7	7475.4	7509.5	7583.3	7589.0	7577.6	7276.6	6969.8	7038.0	7242.5
10°	5368.0	5078.3	5356.6	5328.2	5510.0	5458.8	5532.7	5208.9	5316.8	5316.8	5447.5
12.5°	4373.9	4067.1	4016.0	3942.2	4016.0	4044.4	4072.8	4010.3	4192.1	4277.3	4368.2
15°	3340.1	3169.6	3124.2	2982.2	3004.9	3084.4	3152.6	3181.0	3124.2	3254.9	3266.2
17.5°	2425.5	2419.8	2448.2	2442.6	2419.8	2402.8	2397.1	2323.3	2300.6	2311.9	2357.4
20°	1840.4	1885.9	1982.5	2079.0	2130.1	2067.7	1982.5	1857.5	1806.4	1817.7	1823.4
22.5°	1573.5	1641.6	1772.3	1880.2	1931.3	1817.7	1664.4	1556.4	1533.7	1528.0	1522.3
25°	1425.8	1505.3	1601.9	1635.9	1630.3	1562.1	1448.5	1403.1	1391.7	1380.3	1329.2
27.5°	1346.2	1374.7	1391.7	1431.5	1448.5	1403.1	1374.7	1306.5	1295.1	1295.1	1261.0
30°	1300.8	1283.8	1306.5	1278.1	1300.8	1266.7	1272.4	1272.4	1244.0	1255.4	1255.4
32.5°	1209.9	1215.6	1215.6	1158.8	1175.8	1136.1	1175.8	1209.9	1215.6	1221.3	1266.7
35°	886.1	988.4	1039.5	1039.5	1056.5	1028.1	1022.5	982.7	931.6	880.5	857.7
37.5°	778.2	818.0	886.1	925.9	954.3	931.6	880.5	818.0	789.6	766.9	744.1
40°	693.0	727.1	772.5	818.0	874.8	846.4	766.9	738.4	704.4	704.4	681.6
42.5°	624.8	641.9	670.3	738.4	800.9	744.1	687.3	664.6	647.6	641.9	636.2
45°	562.4	568.0	596.4	653.2	727.1	670.3	613.5	585.1	590.8	596.4	590.8
47.5°	505.6	516.9	534.0	602.1	647.6	619.2	556.7	539.6	539.6	539.6	545.3
50°	437.4	465.8	499.9	556.7	590.8	573.7	522.6	499.9	488.5	488.5	494.2
52.5°	391.9	414.7	460.1	528.3	573.7	545.3	494.2	460.1	437.4	431.7	443.1
55°	340.8	380.6	454.4	505.6	568.0	539.6	482.8	443.1	403.3	397.6	397.6
57.5°	306.7	369.2	437.4	499.9	551.0	528.3	482.8	431.7	380.6	374.9	374.9
60°	289.7	357.9	426.0	482.8	551.0	516.9	477.2	420.3	363.5	363.5	357.9
62.5°	272.7	335.1	403.3	460.1	528.3	499.9	460.1	403.3	346.5	346.5	335.1
65°	227.2	289.7	335.1	386.3	460.1	431.7	391.9	352.2	306.7	295.4	301.1
67.5°	159.1	198.8	244.3	295.4	340.8	329.5	312.4	284.0	244.3	238.6	232.9
70°	79.5	107.9	147.7	198.8	238.6	227.2	215.9	193.1	170.4	164.7	164.7
72.5°	11.4	34.1	62.5	90.9	125.0	130.6	125.0	119.3	113.6	107.9	113.6
75°	0.0	0.0	0.0	22.7	51.1	62.5	73.8	85.2	85.2	73.8	90.9
77.5°	0.0	0.0	0.0	0.0	5.7	28.4	56.8	73.8	90.9	79.5	107.9
80°	0.0	0.0	0.0	0.0	5.7	34.1	56.8	79.5	90.9	79.5	113.6
82.5°	0.0	0.0	0.0	0.0	5.7	39.8	56.8	73.8	85.2	79.5	102.2
85°	0.0	0.0	0.0	0.0	17.0	34.1	22.7	11.4	5.7	5.7	17.0
87.5°	0.0	0.0	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



REPORT NUMBER: P533305

CATALOG NUMBER: GLAN-SA8D-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0	14644.0
2.5°	12684.3	13087.6	13519.3	13684.0	14195.3	14581.5	14842.8	15405.2	15490.4	15496.1
5°	10190.6	10395.1	11133.5	11480.0	12241.2	12832.0	13462.5	14371.4	14979.2	15024.6
7.5°	7242.5	7810.5	8122.9	9026.1	9963.4	10889.3	11826.5	12883.1	13587.5	13604.5
10°	5828.1	6197.3	6754.0	7429.9	8219.5	9162.4	10412.1	11639.1	12354.8	12530.9
12.5°	4692.0	5339.6	5975.8	6674.4	7276.6	7986.6	9332.9	10968.8	11559.6	11911.7
15°	3612.7	4203.5	4953.3	5771.3	6452.9	7401.5	8935.2	10804.1	11798.1	11917.4
17.5°	2664.1	3192.4	3885.4	4657.9	5680.4	7026.6	9003.4	11639.1	12576.4	12775.2
20°	1914.3	2221.0	2766.3	3663.8	4964.6	6589.2	9071.6	12485.5	13911.2	14252.1
22.5°	1516.7	1641.6	1999.5	2794.7	4163.7	6129.1	9554.4	14104.4	15746.0	16240.2
25°	1317.8	1386.0	1556.4	2204.0	3658.2	6083.7	10326.9	16047.1	18188.6	18546.4
27.5°	1272.4	1283.8	1431.5	2022.2	3385.5	5782.6	10622.3	17427.4	19710.9	20074.4
30°	1340.6	1522.3	1533.7	1709.8	2880.0	5186.2	10775.7	18762.3	21000.4	21267.3
32.5°	1158.8	1102.0	1141.8	1323.5	2533.4	4839.7	11065.4	19926.8	22471.6	22659.0
35°	806.6	846.4	937.3	1147.4	2215.3	4476.1	11139.2	21210.5	23868.9	24062.1
37.5°	744.1	766.9	840.7	977.0	1948.4	4271.6	11037.0	22147.8	25317.4	25584.4
40°	693.0	721.4	761.2	886.1	1749.6	4044.4	10895.0	22994.2	26203.6	26862.5
42.5°	653.2	676.0	710.0	846.4	1579.1	3817.2	10696.1	24187.0	26998.8	27572.5
45°	607.8	641.9	681.6	823.7	1482.6	3663.8	10548.5	24113.2	27458.9	27765.7
47.5°	562.4	619.2	664.6	766.9	1454.2	3590.0	10610.9	23834.9	27084.0	26873.9
50°	516.9	590.8	670.3	636.2	1386.0	3442.3	10684.8	24215.4	26192.2	26152.5
52.5°	477.2	562.4	624.8	522.6	1232.6	3300.3	11400.5	24715.3	26822.7	26294.5
55°	420.3	505.6	499.9	420.3	999.7	3192.4	11962.9	24726.7	26396.7	26595.5
57.5°	380.6	448.7	391.9	352.2	738.4	2669.8	11048.3	20733.4	22596.5	22948.7
60°	352.2	437.4	295.4	278.3	482.8	1925.6	9645.3	16058.4	17961.3	18626.0
62.5°	323.8	414.7	232.9	227.2	335.1	1369.0	7929.8	13439.8	15479.0	16382.2
65°	284.0	295.4	187.5	176.1	238.6	738.4	4828.3	9253.3	11570.9	11906.1
67.5°	232.9	227.2	153.4	142.0	159.1	357.9	2130.1	4635.2	6708.5	7270.9
70°	187.5	187.5	130.6	113.6	113.6	164.7	556.7	1846.1	3033.3	3357.1
72.5°	136.3	142.0	102.2	90.9	85.2	79.5	90.9	369.2	795.3	1016.8
75°	119.3	125.0	102.2	79.5	62.5	51.1	39.8	34.1	45.4	73.8
77.5°	130.6	130.6	107.9	73.8	56.8	39.8	22.7	11.4	11.4	5.7
80°	164.7	170.4	142.0	96.6	68.2	45.4	28.4	11.4	5.7	5.7
82.5°	176.1	193.1	159.1	119.3	85.2	51.1	28.4	5.7	0.0	0.0
85°	45.4	73.8	125.0	107.9	85.2	51.1	28.4	5.7	0.0	0.0
87.5°	0.0	5.7	17.0	17.0	22.7	22.7	17.0	5.7	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 OF REPORT)