

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: P458728

Luminaire Tested: **GLAN-SA2D-735-U-SLL-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2D-735-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10407 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

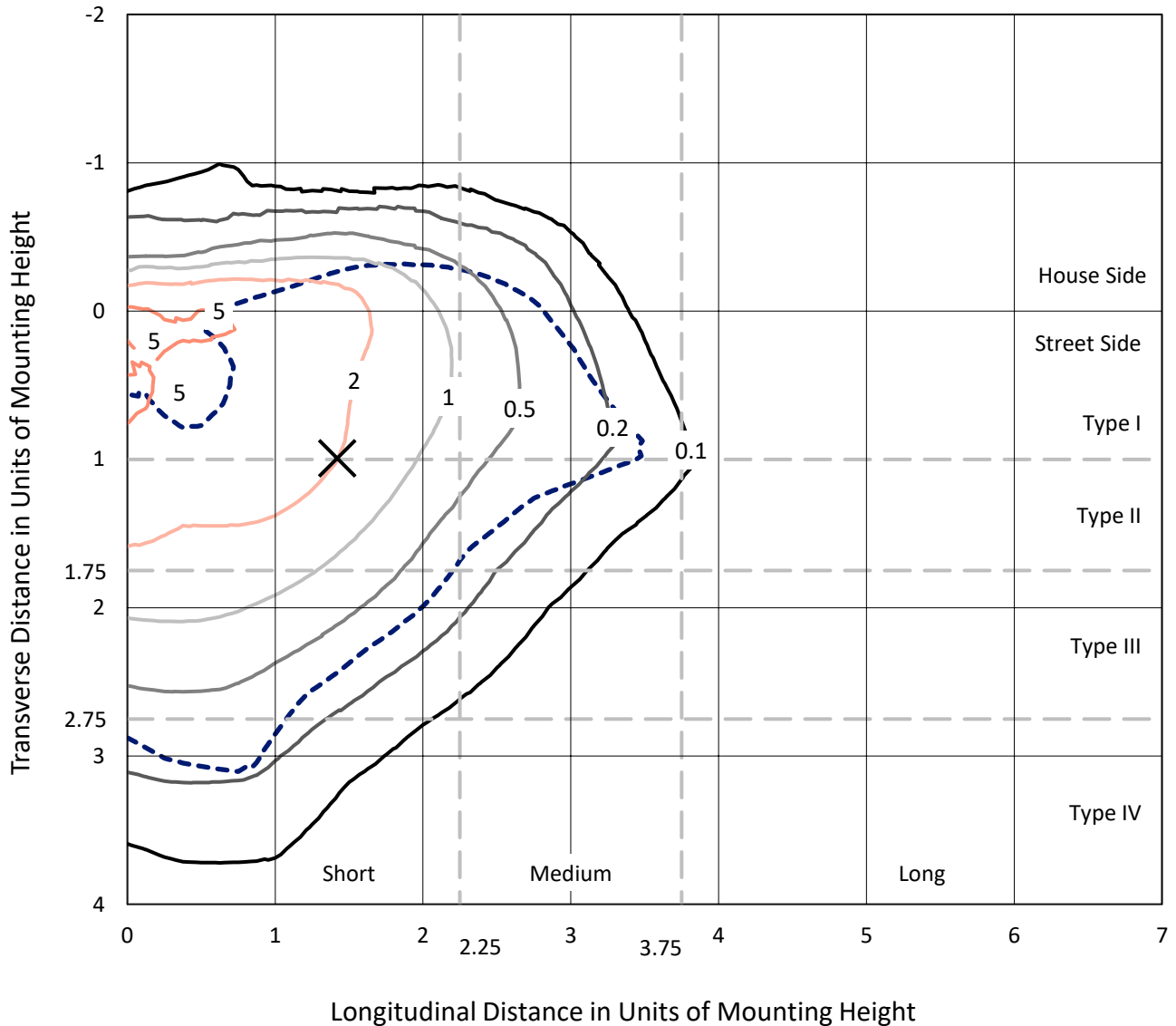
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

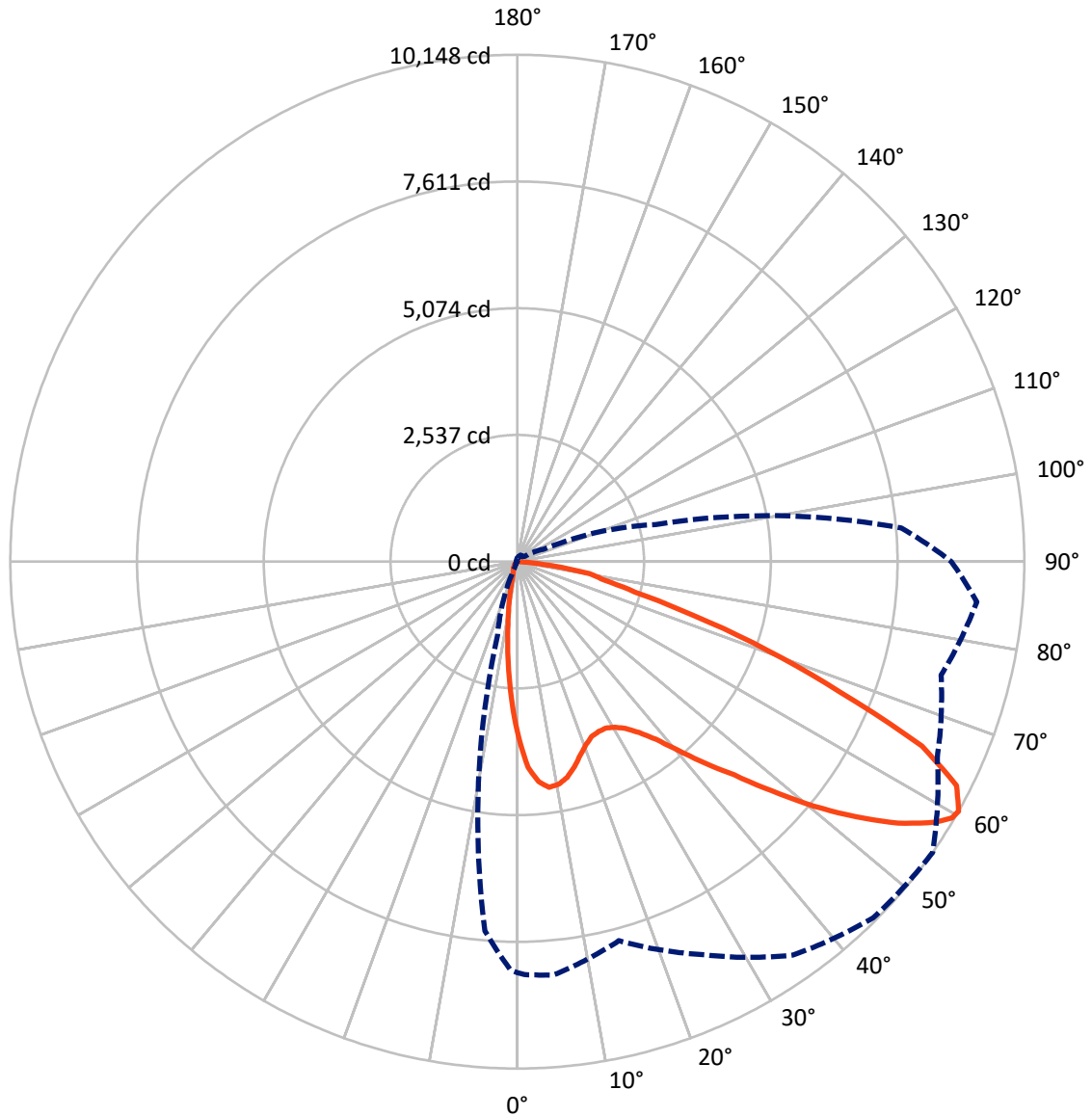
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1544.5	0.0	1544.5
	% Fixture	14.8	0.0	14.8
<b>Street Side</b>	Lumens	8862.5	0.0	8862.5
	% Fixture	85.2	0.0	85.2
<b>Total</b>	Lumens	10407.0	0.0	10407.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.9	2.5
10°-20°	513.9	4.9
20°-30°	760.6	7.3
30°-40°	1133.7	10.9
40°-50°	1660.4	16.0
50°-60°	2397.1	23.0
60°-70°	2521.6	24.2
70°-80°	1037.3	10.0
80°-90°	121.5	1.2
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°	10407.0	100.0
0°-180°	10407.0	100.0

**Coefficient of Utilization**



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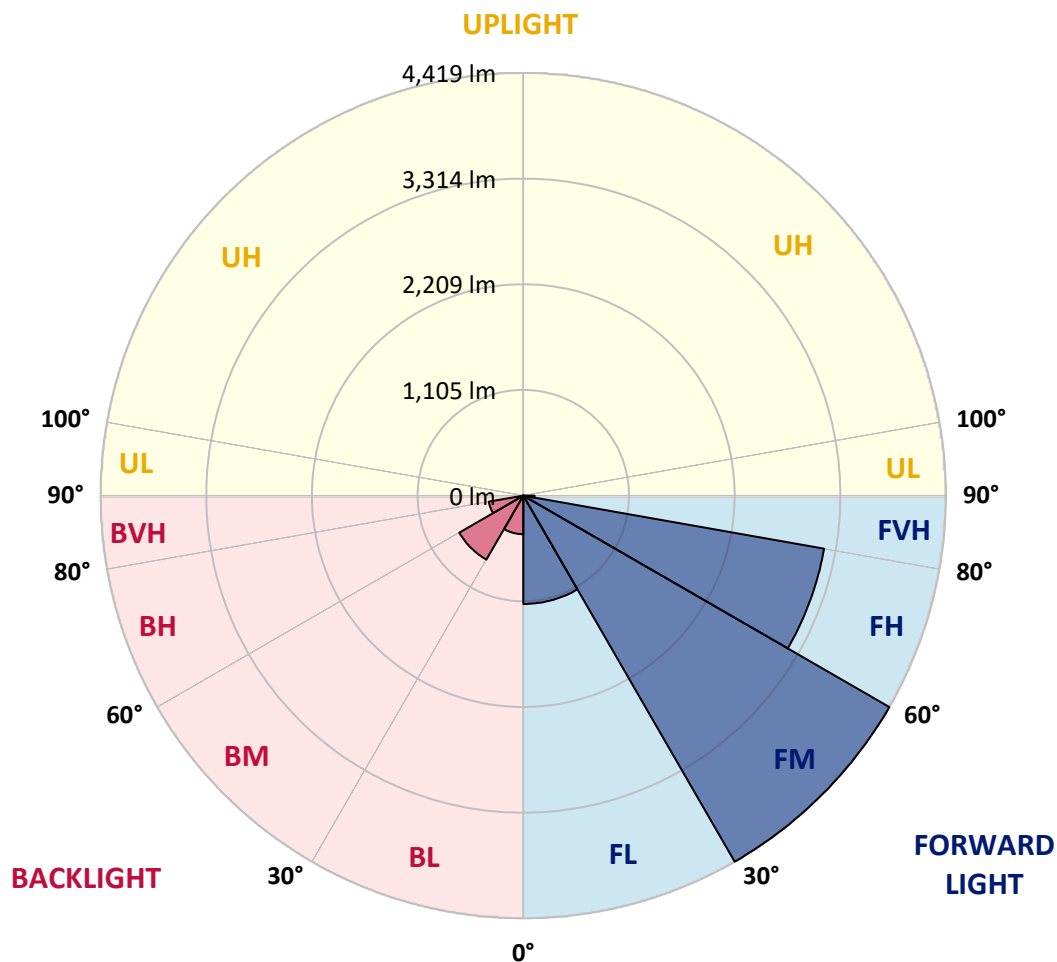
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1132.4	10.9			
FM (30°-60°)	4418.8	42.5			
FH (60°-80°)	3193.3	30.7			G2/5000
FVH (80°-90°)	117.9	1.1			G2/225
BL (0°-30°)	403.0	3.9	B1/500		
BM (30°-60°)	772.4	7.4	B1/1000		
BH (60°-80°)	365.6	3.5	B1/500		G1/500
BVH (80°-90°)	3.6	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8
2.5°	3849.8	3843.4	3900.3	3993.2	4086.9	4135.8	4126.2	4122.2	4044.5	3987.6	3868.2
5°	3841.8	3874.6	3976.4	4227.9	4418.5	4510.7	4537.9	4423.4	4272.0	4052.5	3781.7
7.5°	3611.9	3652.7	3818.6	4211.9	4550.7	4751.0	4743.8	4560.3	4247.9	3908.3	3522.2
10°	3326.7	3374.8	3569.4	4046.9	4486.6	4751.0	4765.4	4533.1	4144.6	3708.8	3302.7
12.5°	3125.7	3182.5	3398.0	3893.1	4321.6	4582.0	4598.8	4430.6	4066.9	3631.9	3183.3
15°	3057.6	3111.2	3329.9	3815.4	4146.2	4286.4	4282.4	4264.7	4036.4	3650.3	3189.7
17.5°	3174.5	3218.6	3465.3	3850.6	3982.0	3967.6	3988.4	4073.3	4042.9	3804.9	3391.6
20°	3476.5	3521.4	3786.5	3958.7	3856.2	3764.9	3774.5	3916.3	4102.1	4095.7	3707.2
22.5°	3892.3	3968.4	4208.7	4168.6	3839.4	3639.1	3619.1	3803.3	4203.1	4430.6	4133.4
25°	4418.5	4495.4	4682.9	4503.5	3921.9	3609.5	3591.1	3768.9	4325.6	4757.4	4613.2
27.5°	4860.7	4919.2	5105.8	4829.5	4043.7	3622.3	3591.9	3773.7	4425.0	5035.3	5017.7
30°	5214.8	5258.0	5367.8	4981.7	4148.6	3678.4	3643.1	3844.2	4469.0	5170.7	5345.3
32.5°	5500.0	5572.8	5607.3	5144.3	4299.2	3784.1	3724.0	3979.6	4576.3	5338.1	5689.0
35°	5826.0	5910.1	5866.0	5299.7	4497.8	3949.1	3875.4	4199.1	4739.0	5492.7	6087.9
37.5°	6239.3	6336.2	6164.0	5463.1	4707.7	4197.5	4163.0	4507.5	4985.7	5713.8	6515.7
40°	6667.1	6723.1	6453.2	5661.8	4965.7	4558.7	4591.6	4965.7	5308.5	5979.0	6970.7
42.5°	7001.1	7054.0	6750.4	5828.4	5229.2	4987.3	5124.3	5518.4	5678.6	6250.5	7310.3
45°	7256.6	7301.5	6956.2	6010.2	5584.9	5608.1	5866.8	6087.9	6049.5	6416.3	7572.2
47.5°	7455.3	7493.7	7114.9	6205.7	6117.6	6367.5	6763.2	6856.9	6434.0	6595.8	7809.4
50°	7537.0	7548.2	7164.5	6454.8	6722.3	7335.1	7747.7	7690.8	6874.5	6795.2	8061.7
52.5°	7643.5	7641.1	7306.3	6691.9	7291.1	8200.3	8612.0	8483.0	7372.8	7094.0	8345.2
55°	7923.1	7926.3	7609.9	7028.3	7775.7	8898.8	9339.3	9245.6	7898.3	7598.7	8676.1
57.5°	8262.7	8274.8	8041.7	7421.6	8238.7	9405.0	9882.4	9846.4	8608.8	8160.2	8988.5
59°	8306.8	8330.8	8245.9	7698.8	8513.5	9560.4	10068.3	10103.5	8989.3	8530.3	9157.5
60°	8226.7	8266.7	8305.2	7855.8	8674.5	9616.5	10079.5	10148.4	9275.3	8781.8	9234.4
62.5°	7877.4	7940.7	8133.8	8338.8	8875.5	9441.9	9721.4	9865.6	9629.3	9442.7	9241.6
65°	7420.0	7452.9	7731.7	8424.6	8485.4	8626.4	8712.9	8898.0	9204.0	9697.4	8910.8
67.5°	6670.3	6767.2	7108.4	7927.1	7334.3	7167.7	7146.1	6961.9	7756.5	9090.2	8095.3
70°	5510.4	5553.6	5974.2	6498.8	5535.2	5278.9	5381.4	5312.5	6012.6	7825.4	6515.7
72.5°	4167.0	4264.7	4675.7	5180.3	3766.5	3434.1	3716.8	3691.2	4516.3	6289.0	4476.2
75°	2964.7	3027.9	3551.8	4054.1	2637.8	2234.9	2336.6	2432.0	3152.9	4965.7	2645.0
77.5°	2037.0	2091.5	2484.8	2681.1	1924.1	1843.2	1686.2	1778.3	2065.9	2946.2	1439.5
80°	1228.8	1226.4	1485.1	1533.2	1340.1	1556.4	1305.7	1465.9	1248.8	1260.8	557.5
82.5°	797.8	789.8	908.4	990.1	745.8	784.2	526.3	758.6	813.9	351.7	176.2
85°	357.3	372.5	436.6	575.9	326.8	173.8	107.3	233.1	346.9	177.0	0.0
87.5°	36.8	28.8	76.9	140.2	44.9	4.8	16.0	8.0	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°	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8
2.5°	3813.0	3766.5	3627.9	3498.1	3386.8	3250.6	3162.5	3023.9	2939.8	2914.2	2918.2
5°	3660.0	3526.2	3262.6	3052.0	2817.3	2683.5	2480.0	2284.6	2178.8	2139.6	2122.0
7.5°	3339.5	3196.2	2878.1	2547.3	2295.8	2061.1	1909.7	1737.5	1619.7	1522.8	1506.0
10°	3101.6	2913.4	2519.3	2163.6	1965.0	1788.7	1637.3	1465.1	1326.5	1216.0	1185.5
12.5°	2959.0	2748.4	2308.6	2010.6	1822.4	1641.3	1444.3	1244.8	1103.0	983.7	928.4
15°	2933.4	2689.1	2249.3	1900.9	1668.6	1449.9	1187.9	972.5	826.7	713.7	679.3
17.5°	3088.0	2795.6	2240.5	1786.3	1467.5	1157.5	885.2	706.5	542.3	479.0	454.2
20°	3363.6	2983.9	2239.7	1653.3	1260.8	891.6	621.6	460.6	394.1	363.7	349.3
22.5°	3739.3	3240.2	2282.2	1538.8	1046.2	657.7	443.8	366.9	328.4	303.6	298.0
25°	4198.3	3619.9	2386.3	1461.1	881.9	515.9	366.1	314.0	282.0	270.8	265.9
27.5°	4606.0	3983.6	2500.9	1381.0	764.2	456.6	339.6	287.6	261.9	253.1	245.9
30°	4957.6	4313.6	2556.1	1275.3	669.7	418.1	344.4	307.6	274.0	247.5	235.5
32.5°	5250.8	4566.7	2592.2	1179.1	589.6	342.0	272.4	237.9	222.7	213.1	205.1
35°	5617.7	4840.7	2570.5	1124.7	548.7	311.6	248.3	205.1	179.4	160.2	152.2
37.5°	6002.2	5114.6	2532.9	1079.8	530.3	289.2	236.3	194.7	166.6	146.6	136.2
40°	6400.3	5368.6	2488.8	1038.1	513.5	274.8	229.1	185.8	157.8	136.2	125.0
42.5°	6764.8	5616.1	2471.2	1010.9	486.2	277.2	223.5	181.8	149.0	126.6	117.0
45°	7059.6	5850.8	2495.2	996.5	456.6	273.2	225.1	177.0	141.8	120.2	110.5
47.5°	7374.4	6182.4	2572.9	982.1	427.8	253.9	237.1	176.2	138.6	116.2	105.7
50°	7740.5	6607.0	2750.8	946.8	392.5	233.1	252.3	175.4	134.6	111.3	100.9
52.5°	8228.3	7089.2	2934.2	885.2	341.2	213.1	241.1	173.0	126.6	105.7	95.3
55°	8666.5	7597.1	3089.6	812.3	276.4	184.2	217.1	162.6	112.9	96.1	86.5
57.5°	8847.5	7883.9	3084.8	711.3	221.1	161.8	178.6	149.0	98.5	84.9	76.9
59°	8781.0	7847.8	2981.5	636.8	201.9	149.8	148.2	147.4	92.1	76.9	70.5
60°	8687.3	7716.4	2870.1	600.0	189.8	141.8	136.2	145.8	86.5	72.1	65.7
62.5°	8328.4	7171.7	2500.9	537.5	173.8	120.2	108.9	123.4	76.9	62.5	56.9
65°	7808.6	6334.6	2117.2	519.9	169.0	99.3	90.5	88.1	65.7	52.9	48.1
67.5°	6794.4	5360.6	1715.0	507.9	170.6	83.3	79.3	66.5	54.5	44.1	40.9
70°	5439.9	4179.8	1404.2	494.2	172.2	68.1	66.5	52.9	44.1	36.8	33.6
72.5°	3305.1	2477.6	1105.4	429.4	167.4	54.5	59.3	40.1	32.0	26.4	24.8
75°	2043.5	1695.8	685.7	334.0	110.5	40.1	41.7	24.8	21.6	16.8	16.8
77.5°	1183.9	1071.0	245.1	120.2	48.9	24.0	18.4	12.8	12.0	7.2	7.2
80°	491.0	393.3	84.9	40.9	26.4	11.2	4.0	0.8	0.0	0.0	0.0
82.5°	143.4	127.4	23.2	18.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8
2.5°	2850.1	2823.7	2811.7	2852.5	2814.9	2862.9	2826.1	2842.1	2889.4	2910.2	2963.9
5°	2133.2	2105.9	2093.1	2154.8	2151.6	2182.0	2178.8	2206.9	2230.9	2177.2	2232.5
7.5°	1485.9	1467.5	1497.9	1546.0	1597.3	1580.5	1580.5	1542.8	1555.6	1547.6	1545.2
10°	1130.3	1067.0	1051.0	1049.4	1068.6	1072.6	1051.0	998.9	1018.1	1023.7	1057.4
12.5°	889.2	840.3	765.8	732.2	723.3	730.5	659.3	613.6	635.2	622.4	655.3
15°	637.6	597.6	553.5	515.9	505.5	491.0	413.3	358.9	352.5	354.9	360.5
17.5°	455.0	427.8	427.8	387.7	366.1	322.8	283.6	259.5	257.1	259.5	263.5
20°	335.6	321.2	319.6	309.2	285.2	256.3	229.1	224.3	222.7	226.7	228.3
22.5°	289.2	274.0	261.1	260.3	237.9	213.9	201.1	194.7	195.5	197.1	201.1
25°	258.7	242.7	229.1	221.1	205.1	188.2	176.2	173.0	173.0	175.4	176.2
27.5°	237.1	217.1	205.1	193.9	179.4	165.0	154.6	152.2	150.6	152.2	156.2
30°	221.9	201.9	186.6	169.8	158.6	145.0	136.2	133.0	132.2	133.0	136.2
32.5°	189.8	177.8	165.8	150.6	137.0	128.2	118.6	112.9	112.9	114.5	117.8
35°	143.4	137.0	136.2	132.2	121.0	111.3	100.1	94.5	94.5	97.7	99.3
37.5°	126.6	114.5	112.9	111.3	106.5	93.7	83.3	78.5	77.7	80.1	83.3
40°	115.3	101.7	94.5	92.9	93.7	79.3	68.1	63.3	63.3	64.1	67.3
42.5°	106.5	90.5	77.7	76.1	79.3	66.5	55.3	50.5	50.5	50.5	54.5
45°	99.3	80.9	65.7	57.7	62.5	54.5	44.9	40.1	38.4	40.1	41.7
47.5°	94.5	73.7	57.7	46.5	46.5	43.3	36.0	30.4	28.8	29.6	32.0
50°	90.5	67.3	48.9	37.6	33.6	34.4	27.2	23.2	21.6	21.6	24.0
52.5°	84.1	60.9	42.5	32.0	25.6	23.2	20.0	16.8	16.0	16.8	18.4
55°	76.1	55.3	36.8	26.4	20.0	16.0	14.4	12.0	11.2	12.0	14.4
57.5°	67.3	46.5	29.6	20.8	13.6	10.4	9.6	8.0	6.4	7.2	8.8
59°	61.7	41.7	25.6	16.8	10.4	7.2	7.2	5.6	4.0	4.8	7.2
60°	59.3	38.4	21.6	14.4	8.8	5.6	5.6	4.0	2.4	3.2	5.6
62.5°	50.5	32.0	16.8	8.8	4.0	0.8	2.4	0.8	0.0	0.8	2.4
65°	42.5	25.6	11.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
67.5°	35.2	19.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	28.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	19.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	12.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P458728  
 CATALOG NUMBER: GLAN-SA2D-735-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8	3523.8
2.5°	2967.1	3081.6	3152.1	3285.1	3421.2	3526.2	3657.6	3775.3	3824.2	3849.8
5°	2288.6	2448.0	2583.4	2786.0	2974.3	3203.4	3435.7	3709.6	3814.6	3841.8
7.5°	1606.1	1768.7	1910.5	2145.2	2413.5	2720.3	3068.0	3415.6	3568.6	3611.9
10°	1159.9	1333.7	1506.8	1741.5	1992.2	2324.6	2686.7	3116.9	3293.1	3326.7
12.5°	732.2	918.8	1200.0	1489.9	1755.1	2022.6	2401.5	2869.3	3064.0	3125.7
15°	424.6	563.9	776.2	1154.3	1491.5	1845.6	2258.9	2776.4	2994.3	3057.6
17.5°	284.4	332.4	478.2	767.4	1212.8	1682.2	2222.9	2852.5	3093.6	3174.5
20°	239.5	261.1	312.4	467.8	934.0	1536.4	2232.5	3059.2	3375.6	3476.5
22.5°	210.7	230.7	263.5	336.4	652.0	1355.4	2278.2	3354.8	3763.3	3892.3
25°	185.8	205.9	234.7	278.8	438.2	1146.3	2378.3	3787.3	4276.8	4418.5
27.5°	165.0	183.4	208.3	245.9	337.2	913.2	2467.2	4208.7	4745.4	4860.7
30°	145.8	161.0	185.0	213.9	280.4	704.1	2512.1	4577.2	5086.6	5214.8
32.5°	126.6	141.0	164.2	187.4	230.7	536.7	2480.8	4847.9	5418.2	5500.0
35°	108.1	123.4	142.6	164.2	199.5	433.4	2324.6	5152.3	5761.9	5826.0
37.5°	92.9	105.7	125.8	142.6	180.2	346.9	2135.6	5426.3	6147.2	6239.3
40°	78.5	91.3	111.3	126.6	165.8	273.2	1965.0	5730.7	6553.3	6667.1
42.5°	64.1	79.3	96.9	121.8	142.6	208.3	1758.3	5977.4	6858.5	7001.1
45°	51.3	68.1	87.3	121.0	124.2	158.6	1558.8	6169.6	7128.5	7256.6
47.5°	40.9	57.7	84.1	112.9	101.7	125.8	1445.1	6370.7	7352.8	7455.3
50°	32.8	48.1	88.1	99.3	84.9	106.5	1441.9	6595.0	7468.9	7537.0
52.5°	26.4	39.3	74.5	76.1	72.1	93.7	1528.4	6847.3	7587.5	7643.5
55°	22.4	32.8	48.9	56.1	64.9	84.9	1593.3	7235.8	7870.2	7923.1
57.5°	17.6	28.0	37.6	44.9	57.7	77.7	1602.1	7535.4	8228.3	8262.7
59°	15.2	24.0	33.6	40.1	52.9	72.9	1566.0	7553.8	8251.5	8306.8
60°	12.8	21.6	29.6	37.6	48.9	68.9	1526.8	7420.0	8165.0	8226.7
62.5°	9.6	16.8	21.6	30.4	40.1	59.3	1340.9	6953.0	7834.2	7877.4
65°	6.4	12.0	16.0	22.4	31.2	51.3	1092.6	6347.5	7323.1	7420.0
67.5°	4.0	8.8	12.8	16.8	25.6	43.3	778.6	5443.1	6607.8	6670.3
70°	2.4	5.6	9.6	13.6	20.0	34.4	462.2	4302.4	5497.5	5510.4
72.5°	1.6	4.0	6.4	9.6	16.0	31.2	224.3	2804.4	4014.0	4167.0
75°	0.8	2.4	4.0	7.2	12.8	25.6	107.3	1873.6	2920.6	2964.7
77.5°	0.0	0.8	2.4	4.8	9.6	20.0	62.5	1230.4	1991.4	2037.0
80°	0.0	0.0	1.6	4.0	7.2	12.8	37.6	725.7	1206.4	1228.8
82.5°	0.0	0.0	0.8	3.2	4.8	9.6	19.2	318.8	789.8	797.8
85°	0.0	0.0	0.8	3.2	4.0	6.4	7.2	43.3	350.9	357.3
87.5°	0.0	0.0	0.8	4.0	4.0	4.0	4.0	2.4	29.6	36.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)