

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: P458641

Luminaire Tested: **GLAN-SA2A-735-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458641
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-SA2A-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 615mA 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: 6152 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

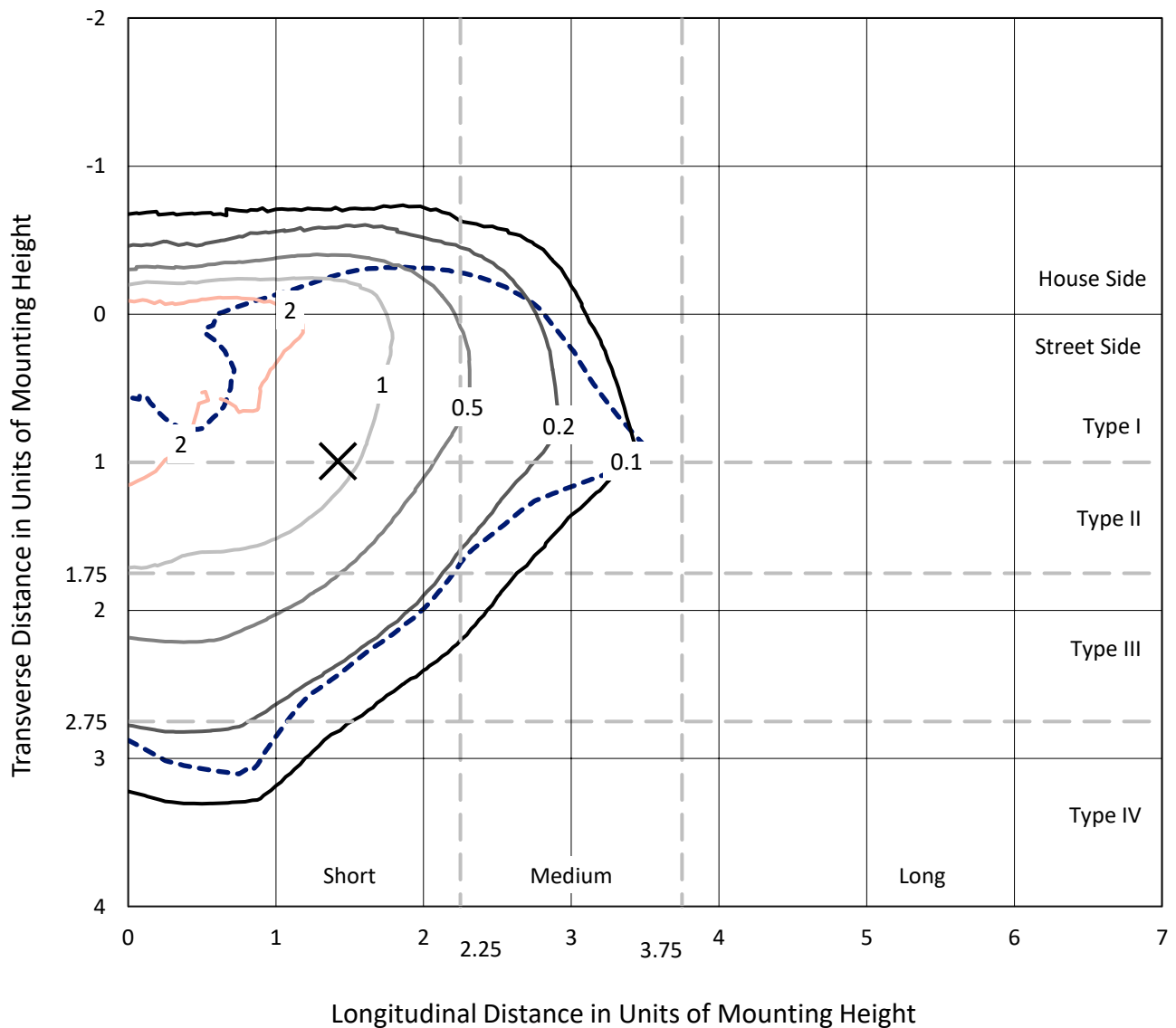
Input Watts (W): 63
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

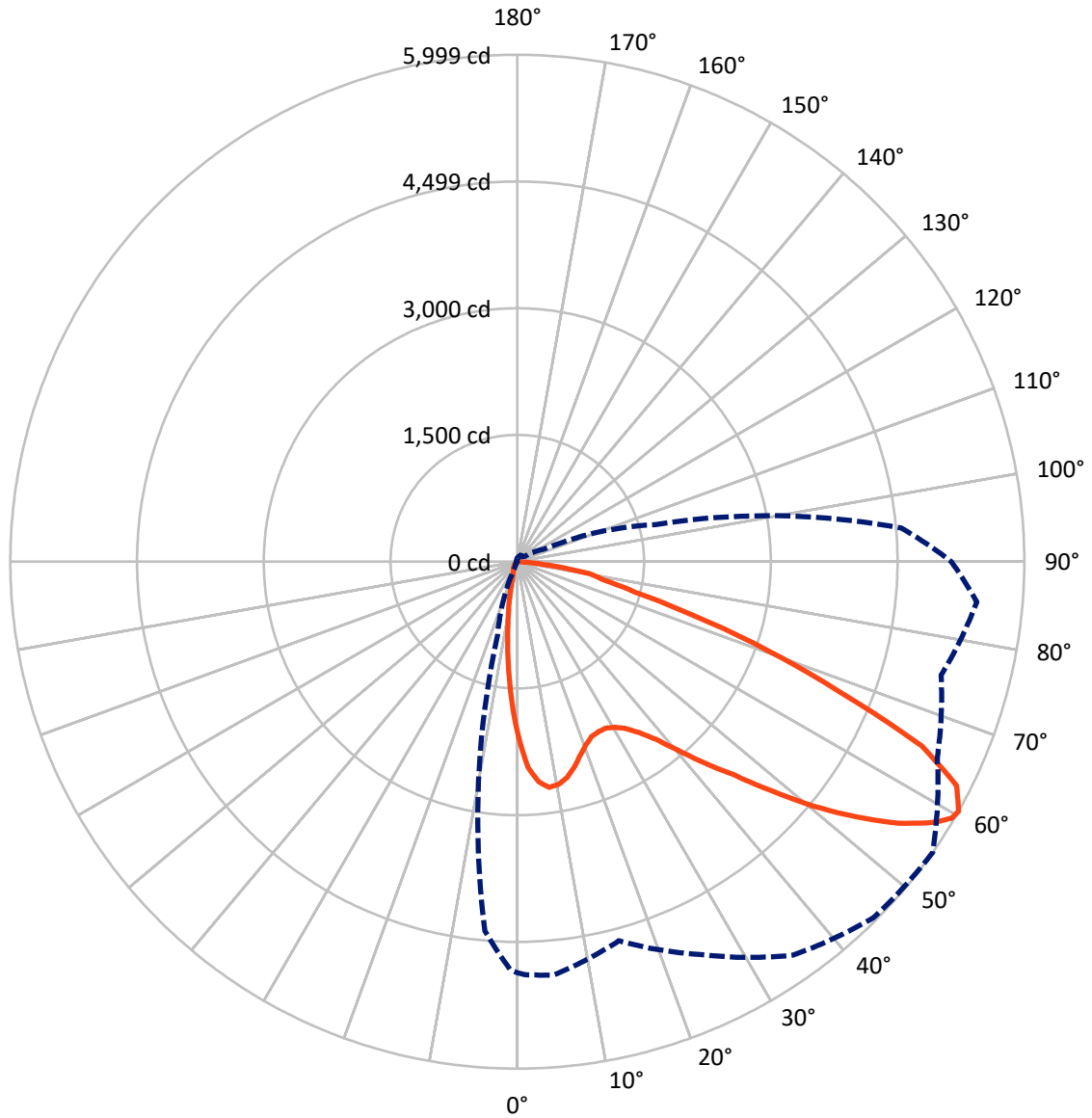
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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
House Side	Lumens	913.0	0.0	913.0
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	5239.0	0.0	5239.0
	% Fixture	85.2	0.0	85.2
Total	Lumens	6152.0	0.0	6152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	2.5
10°-20°	303.8	4.9
20°-30°	449.6	7.3
30°-40°	670.2	10.9
40°-50°	981.5	16.0
50°-60°	1417.0	23.0
60°-70°	1490.6	24.2
70°-80°	613.2	10.0
80°-90°	71.8	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°	6152.0	100.0
0°-180°	6152.0	100.0

Coefficient of Utilization



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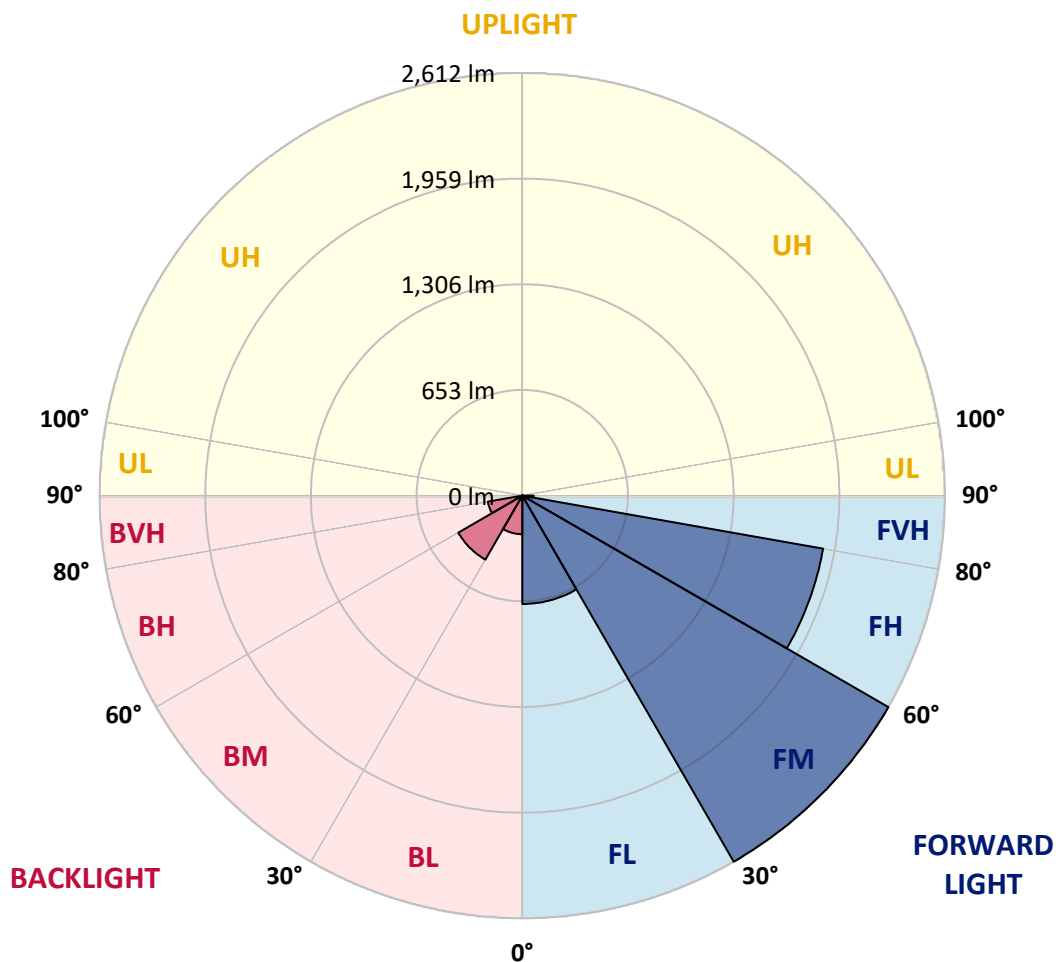
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.4	10.9			
FM (30°-60°)	2612.1	42.5			
FH (60°-80°)	1887.7	30.7			G2/5000
FVH (80°-90°)	69.7	1.1			G1/100
BL (0°-30°)	238.2	3.9	B1/500		
BM (30°-60°)	456.6	7.4	B1/1000		
BH (60°-80°)	216.1	3.5	B1/500		G1/500
BVH (80°-90°)	2.1	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°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	2275.8	2272.0	2305.6	2360.5	2415.9	2444.8	2439.1	2436.8	2390.8	2357.2	2286.7
5°	2271.0	2290.5	2350.6	2499.3	2612.0	2666.4	2682.5	2614.8	2525.3	2395.6	2235.5
7.5°	2135.1	2159.3	2257.3	2489.8	2690.1	2808.5	2804.2	2695.8	2511.1	2310.3	2082.1
10°	1966.6	1995.0	2110.0	2392.3	2652.2	2808.5	2817.0	2679.7	2450.0	2192.4	1952.4
12.5°	1847.7	1881.3	2008.7	2301.3	2554.7	2708.6	2718.5	2619.1	2404.1	2147.0	1881.8
15°	1807.5	1839.2	1968.5	2255.4	2451.0	2533.8	2531.5	2521.1	2386.1	2157.9	1885.6
17.5°	1876.6	1902.6	2048.5	2276.2	2353.9	2345.4	2357.7	2407.9	2389.9	2249.3	2004.9
20°	2055.1	2081.6	2238.4	2340.2	2279.6	2225.6	2231.3	2315.1	2424.9	2421.1	2191.5
22.5°	2300.9	2345.9	2487.9	2464.2	2269.6	2151.2	2139.4	2248.3	2484.6	2619.1	2443.4
25°	2612.0	2657.4	2768.2	2662.2	2318.4	2133.7	2122.8	2227.9	2557.1	2812.3	2727.0
27.5°	2873.4	2907.9	3018.3	2854.9	2390.4	2141.3	2123.3	2230.8	2615.8	2976.6	2966.2
30°	3082.7	3108.2	3173.1	2944.9	2452.4	2174.4	2153.6	2272.5	2641.8	3056.6	3159.9
32.5°	3251.2	3294.3	3314.7	3041.0	2541.4	2236.9	2201.4	2352.5	2705.3	3155.6	3363.0
35°	3444.0	3493.7	3467.6	3132.9	2658.9	2334.5	2290.9	2482.2	2801.4	3247.0	3598.8
37.5°	3688.3	3745.6	3643.8	3229.5	2782.9	2481.3	2460.9	2664.5	2947.2	3377.7	3851.7
40°	3941.2	3974.3	3814.7	3346.9	2935.4	2694.8	2714.3	2935.4	3138.1	3534.4	4120.6
42.5°	4138.6	4169.9	3990.4	3445.4	3091.2	2948.2	3029.2	3262.1	3356.8	3694.9	4321.4
45°	4289.7	4316.2	4112.1	3552.9	3301.4	3315.2	3468.1	3598.8	3576.1	3793.0	4476.3
47.5°	4407.1	4429.9	4205.9	3668.4	3616.3	3764.1	3998.0	4053.4	3803.4	3899.0	4616.4
50°	4455.4	4462.1	4235.2	3815.7	3973.8	4336.1	4580.0	4546.3	4063.8	4016.9	4765.6
52.5°	4518.4	4517.0	4319.0	3955.9	4310.1	4847.5	5090.9	5014.7	4358.4	4193.6	4933.2
55°	4683.7	4685.6	4498.5	4154.7	4596.5	5260.4	5520.9	5465.5	4669.0	4491.9	5128.8
57.5°	4884.4	4891.5	4753.7	4387.2	4870.2	5559.7	5841.9	5820.6	5089.0	4823.8	5313.5
59°	4910.5	4924.7	4874.5	4551.1	5032.7	5651.6	5951.8	5972.6	5313.9	5042.6	5413.4
60°	4863.1	4886.8	4909.5	4643.9	5127.8	5684.7	5958.4	5999.1	5483.0	5191.3	5458.8
62.5°	4656.7	4694.1	4808.2	4929.4	5246.7	5581.5	5746.7	5832.0	5692.3	5581.9	5463.1
65°	4386.3	4405.7	4570.5	4980.1	5016.1	5099.4	5150.6	5260.0	5440.8	5732.5	5267.5
67.5°	3943.1	4000.4	4202.1	4686.0	4335.6	4237.1	4224.3	4115.4	4585.2	5373.6	4785.5
70°	3257.4	3283.0	3531.6	3841.7	3272.1	3120.6	3181.2	3140.4	3554.3	4625.9	3851.7
72.5°	2463.3	2521.1	2764.0	3062.3	2226.5	2030.0	2197.2	2182.0	2669.8	3717.7	2646.1
75°	1752.5	1789.9	2099.6	2396.5	1559.3	1321.1	1381.3	1437.6	1863.8	2935.4	1563.6
77.5°	1204.2	1236.4	1468.9	1584.9	1137.4	1089.6	996.8	1051.2	1221.2	1741.6	850.9
80°	726.4	725.0	877.9	906.3	792.2	920.1	771.9	866.6	738.2	745.3	329.6
82.5°	471.6	466.9	537.0	585.3	440.9	463.6	311.1	448.4	481.1	207.9	104.2
85°	211.2	220.2	258.1	340.5	193.2	102.8	63.5	137.8	205.0	104.6	0.0
87.5°	21.8	17.0	45.5	82.9	26.5	2.8	9.5	4.7	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°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	2254.0	2226.5	2144.6	2067.9	2002.1	1921.6	1869.5	1787.6	1737.8	1722.7	1725.1
5°	2163.5	2084.5	1928.7	1804.1	1665.4	1586.3	1466.0	1350.5	1288.0	1264.8	1254.4
7.5°	1974.1	1889.4	1701.4	1505.8	1357.1	1218.4	1128.9	1027.1	957.5	900.2	890.2
10°	1833.5	1722.2	1489.2	1279.0	1161.6	1057.4	967.9	866.1	784.2	718.8	700.8
12.5°	1749.2	1624.7	1364.7	1188.6	1077.3	970.3	853.8	735.9	652.0	581.5	548.8
15°	1734.1	1589.6	1329.7	1123.7	986.4	857.1	702.2	574.9	488.7	421.9	401.6
17.5°	1825.5	1652.6	1324.5	1056.0	867.5	684.2	523.2	417.7	320.6	283.2	268.5
20°	1988.3	1763.9	1324.0	977.4	745.3	527.0	367.5	272.3	233.0	215.0	206.5
22.5°	2210.4	1915.4	1349.1	909.6	618.4	388.8	262.3	216.9	194.1	179.5	176.2
25°	2481.8	2139.9	1410.6	863.7	521.4	305.0	216.4	185.6	166.7	160.1	157.2
27.5°	2722.8	2354.9	1478.4	816.4	451.7	269.9	200.8	170.0	154.8	149.6	145.4
30°	2930.7	2549.9	1511.0	753.9	395.9	247.2	203.6	181.8	161.9	146.3	139.2
32.5°	3104.0	2699.6	1532.3	697.0	348.5	202.2	161.0	140.6	131.6	126.0	121.2
35°	3320.9	2861.5	1519.6	664.8	324.4	184.2	146.8	121.2	106.1	94.7	90.0
37.5°	3548.1	3023.5	1497.3	638.3	313.5	170.9	139.7	115.1	98.5	86.7	80.5
40°	3783.5	3173.6	1471.3	613.7	303.5	162.4	135.4	109.9	93.3	80.5	73.9
42.5°	3998.9	3319.9	1460.8	597.6	287.4	163.8	132.1	107.5	88.1	74.8	69.1
45°	4173.2	3458.6	1475.0	589.1	269.9	161.5	133.1	104.6	83.8	71.0	65.3
47.5°	4359.3	3654.7	1521.0	580.5	252.9	150.1	140.2	104.2	81.9	68.7	62.5
50°	4575.7	3905.7	1626.1	559.7	232.0	137.8	149.2	103.7	79.6	65.8	59.7
52.5°	4864.1	4190.7	1734.5	523.2	201.7	126.0	142.5	102.3	74.8	62.5	56.3
55°	5123.1	4490.9	1826.4	480.2	163.4	108.9	128.3	96.1	66.8	56.8	51.1
57.5°	5230.1	4660.5	1823.6	420.5	130.7	95.7	105.6	88.1	58.2	50.2	45.5
59°	5190.8	4639.2	1762.5	376.5	119.3	88.5	87.6	87.1	54.5	45.5	41.7
60°	5135.4	4561.5	1696.7	354.7	112.2	83.8	80.5	86.2	51.1	42.6	38.8
62.5°	4923.3	4239.5	1478.4	317.7	102.8	71.0	64.4	72.9	45.5	36.9	33.6
65°	4616.0	3744.7	1251.5	307.3	99.9	58.7	53.5	52.1	38.8	31.3	28.4
67.5°	4016.5	3168.9	1013.8	300.2	100.9	49.2	46.9	39.3	32.2	26.0	24.1
70°	3215.7	2470.9	830.1	292.2	101.8	40.2	39.3	31.3	26.0	21.8	19.9
72.5°	1953.8	1464.6	653.5	253.8	99.0	32.2	35.0	23.7	18.9	15.6	14.7
75°	1208.0	1002.5	405.3	197.5	65.3	23.7	24.6	14.7	12.8	9.9	9.9
77.5°	699.9	633.1	144.9	71.0	28.9	14.2	10.9	7.6	7.1	4.3	4.3
80°	290.3	232.5	50.2	24.1	15.6	6.6	2.4	0.5	0.0	0.0	0.0
82.5°	84.8	75.3	13.7	10.9	4.7	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°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	1684.8	1669.2	1662.1	1686.2	1664.0	1692.4	1670.6	1680.1	1708.0	1720.3	1752.1
5°	1261.0	1244.9	1237.3	1273.8	1271.9	1289.9	1288.0	1304.6	1318.8	1287.0	1319.7
7.5°	878.4	867.5	885.5	913.9	944.2	934.3	934.3	912.0	919.6	914.9	913.4
10°	668.1	630.7	621.3	620.3	631.7	634.1	621.3	590.5	601.9	605.2	625.1
12.5°	525.6	496.7	452.7	432.8	427.6	431.9	389.7	362.7	375.5	367.9	387.3
15°	376.9	353.3	327.2	305.0	298.8	290.3	244.3	212.1	208.4	209.8	213.1
17.5°	269.0	252.9	252.9	229.2	216.4	190.8	167.6	153.4	152.0	153.4	155.8
20°	198.4	189.9	188.9	182.8	168.6	151.5	135.4	132.6	131.6	134.0	135.0
22.5°	170.9	161.9	154.4	153.9	140.6	126.4	118.9	115.1	115.5	116.5	118.9
25°	152.9	143.5	135.4	130.7	121.2	111.3	104.2	102.3	102.3	103.7	104.2
27.5°	140.2	128.3	121.2	114.6	106.1	97.5	91.4	90.0	89.0	90.0	92.3
30°	131.2	119.3	110.3	100.4	93.8	85.7	80.5	78.6	78.1	78.6	80.5
32.5°	112.2	105.1	98.0	89.0	81.0	75.8	70.1	66.8	66.8	67.7	69.6
35°	84.8	81.0	80.5	78.1	71.5	65.8	59.2	55.9	55.9	57.8	58.7
37.5°	74.8	67.7	66.8	65.8	63.0	55.4	49.2	46.4	45.9	47.4	49.2
40°	68.2	60.1	55.9	54.9	55.4	46.9	40.2	37.4	37.4	37.9	39.8
42.5°	63.0	53.5	45.9	45.0	46.9	39.3	32.7	29.8	29.8	29.8	32.2
45°	58.7	47.8	38.8	34.1	36.9	32.2	26.5	23.7	22.7	23.7	24.6
47.5°	55.9	43.6	34.1	27.5	27.5	25.6	21.3	18.0	17.0	17.5	18.9
50°	53.5	39.8	28.9	22.3	19.9	20.4	16.1	13.7	12.8	12.8	14.2
52.5°	49.7	36.0	25.1	18.9	15.2	13.7	11.8	9.9	9.5	9.9	10.9
55°	45.0	32.7	21.8	15.6	11.8	9.5	8.5	7.1	6.6	7.1	8.5
57.5°	39.8	27.5	17.5	12.3	8.0	6.2	5.7	4.7	3.8	4.3	5.2
59°	36.5	24.6	15.2	9.9	6.2	4.3	4.3	3.3	2.4	2.8	4.3
60°	35.0	22.7	12.8	8.5	5.2	3.3	3.3	2.4	1.4	1.9	3.3
62.5°	29.8	18.9	9.9	5.2	2.4	0.5	1.4	0.5	0.0	0.5	1.4
65°	25.1	15.2	6.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5
67.5°	20.8	11.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	16.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	11.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	7.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.8	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



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 CATALOG NUMBER: GLAN-SA2A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	1753.9	1821.7	1863.3	1941.9	2022.4	2084.5	2162.1	2231.7	2260.6	2275.8
5°	1352.9	1447.1	1527.1	1646.9	1758.2	1893.6	2031.0	2192.9	2254.9	2271.0
7.5°	949.4	1045.6	1129.4	1268.1	1426.7	1608.1	1813.6	2019.1	2109.6	2135.1
10°	685.7	788.4	890.7	1029.5	1177.7	1374.2	1588.2	1842.5	1946.7	1966.6
12.5°	432.8	543.1	709.3	880.8	1037.5	1195.7	1419.6	1696.2	1811.2	1847.7
15°	251.0	333.4	458.8	682.4	881.7	1091.0	1335.3	1641.2	1770.0	1807.5
17.5°	168.1	196.5	282.7	453.6	716.9	994.4	1314.0	1686.2	1828.8	1876.6
20°	141.6	154.4	184.7	276.5	552.1	908.2	1319.7	1808.4	1995.4	2055.1
22.5°	124.5	136.4	155.8	198.9	385.5	801.2	1346.7	1983.1	2224.6	2300.9
25°	109.9	121.7	138.7	164.8	259.0	677.6	1405.9	2238.8	2528.2	2612.0
27.5°	97.5	108.4	123.1	145.4	199.4	539.8	1458.5	2487.9	2805.2	2873.4
30°	86.2	95.2	109.4	126.4	165.7	416.2	1485.0	2705.7	3006.9	3082.7
32.5°	74.8	83.3	97.1	110.8	136.4	317.3	1466.5	2865.8	3202.9	3251.2
35°	63.9	72.9	84.3	97.1	117.9	256.2	1374.2	3045.7	3406.1	3444.0
37.5°	54.9	62.5	74.3	84.3	106.5	205.0	1262.4	3207.7	3633.9	3688.3
40°	46.4	54.0	65.8	74.8	98.0	161.5	1161.6	3387.6	3873.9	3941.2
42.5°	37.9	46.9	57.3	72.0	84.3	123.1	1039.4	3533.5	4054.3	4138.6
45°	30.3	40.2	51.6	71.5	73.4	93.8	921.5	3647.1	4213.9	4289.7
47.5°	24.1	34.1	49.7	66.8	60.1	74.3	854.2	3766.0	4346.5	4407.1
50°	19.4	28.4	52.1	58.7	50.2	63.0	852.4	3898.6	4415.2	4455.4
52.5°	15.6	23.2	44.0	45.0	42.6	55.4	903.5	4047.7	4485.3	4518.4
55°	13.3	19.4	28.9	33.1	38.4	50.2	941.8	4277.4	4652.4	4683.7
57.5°	10.4	16.6	22.3	26.5	34.1	45.9	947.1	4454.5	4864.1	4884.4
59°	9.0	14.2	19.9	23.7	31.3	43.1	925.7	4465.4	4877.8	4910.5
60°	7.6	12.8	17.5	22.3	28.9	40.7	902.5	4386.3	4826.7	4863.1
62.5°	5.7	9.9	12.8	18.0	23.7	35.0	792.7	4110.2	4631.1	4656.7
65°	3.8	7.1	9.5	13.3	18.5	30.3	645.9	3752.2	4329.0	4386.3
67.5°	2.4	5.2	7.6	9.9	15.2	25.6	460.3	3217.6	3906.1	3943.1
70°	1.4	3.3	5.7	8.0	11.8	20.4	273.2	2543.3	3249.8	3257.4
72.5°	0.9	2.4	3.8	5.7	9.5	18.5	132.6	1657.8	2372.8	2463.3
75°	0.5	1.4	2.4	4.3	7.6	15.2	63.5	1107.6	1726.5	1752.5
77.5°	0.0	0.5	1.4	2.8	5.7	11.8	36.9	727.3	1177.2	1204.2
80°	0.0	0.0	0.9	2.4	4.3	7.6	22.3	429.0	713.1	726.4
82.5°	0.0	0.0	0.5	1.9	2.8	5.7	11.4	188.5	466.9	471.6
85°	0.0	0.0	0.5	1.9	2.4	3.8	4.3	25.6	207.4	211.2
87.5°	0.0	0.0	0.5	2.4	2.4	2.4	2.4	1.4	17.5	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)