

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: P456031

Luminaire Tested: **GLAN-SA7B-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456031
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-SA7B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA 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: 25921 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 286
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

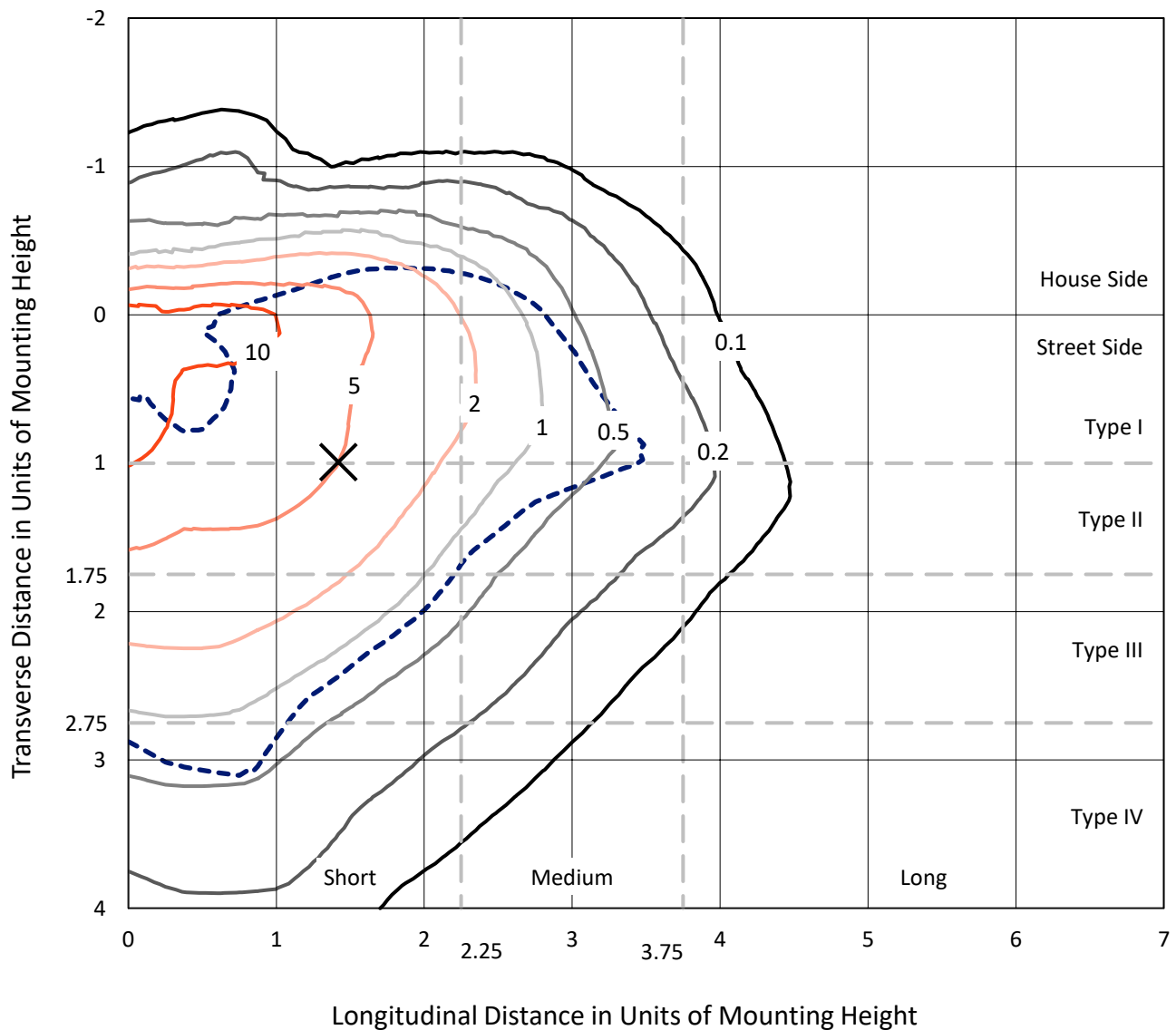


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Iso-Footcandle Lines of Horizontal Illumination

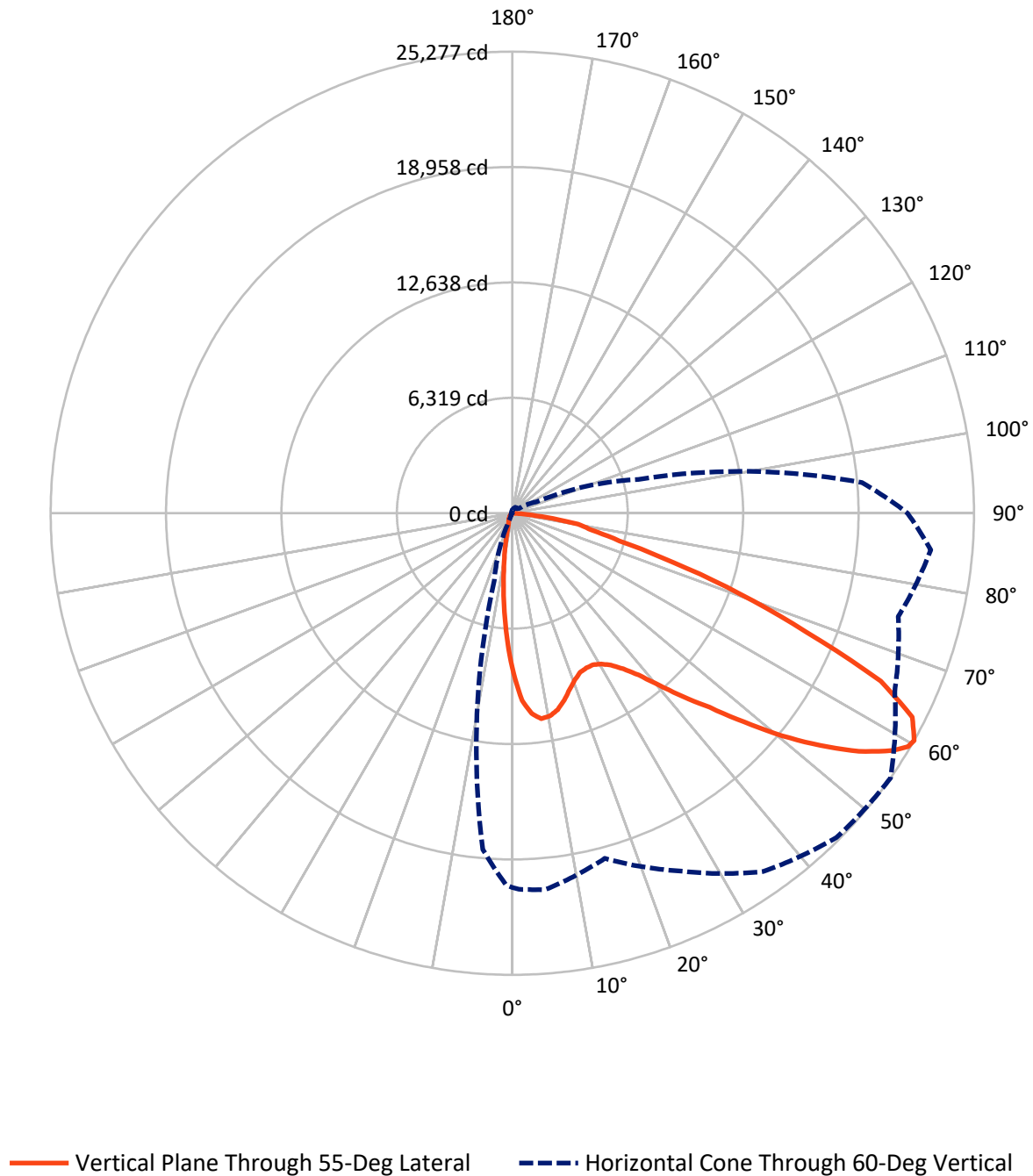
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 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	3846.9	0.0	3846.9
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	22074.1	0.0	22074.1
	% Fixture	85.2	0.0	85.2
Total	Lumens	25921.0	0.0	25921.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.9	2.5
10°-20°	1279.9	4.9
20°-30°	1894.4	7.3
30°-40°	2823.9	10.9
40°-50°	4135.6	16.0
50°-60°	5970.5	23.0
60°-70°	6280.6	24.2
70°-80°	2583.6	10.0
80°-90°	302.6	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°	25921.0	100.0
0°-180°	25921.0	100.0

Coefficient of Utilization



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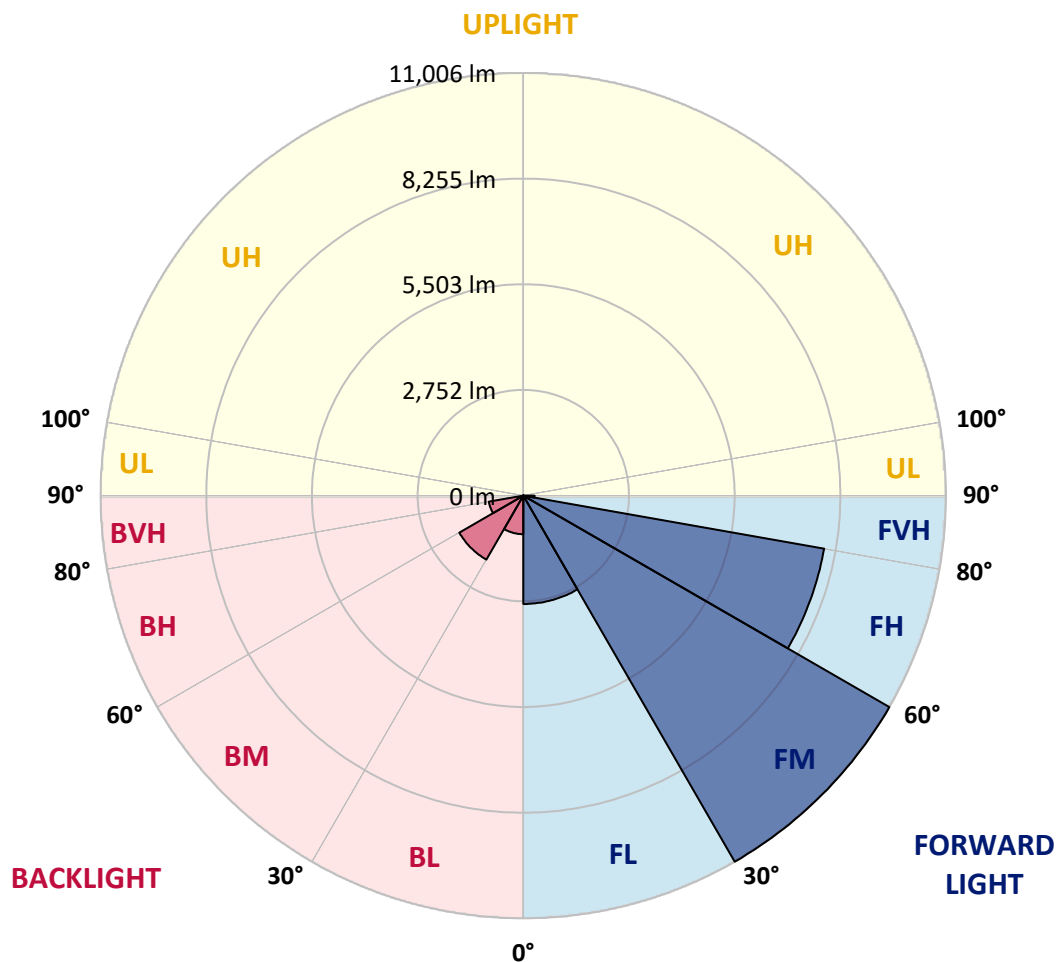
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2820.6	10.9			
FM	(30°-60°)	11006.1	42.5			
FH	(60°-80°)	7953.7	30.7			G4/12000
FVH	(80°-90°)	293.7	1.1			G3/500
BL	(0°-30°)	1003.7	3.9	B3/2500		
BM	(30°-60°)	1923.8	7.4	B2/2500		
BH	(60°-80°)	910.5	3.5	B2/1000		G2/1000
BVH	(80°-90°)	8.9	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8
2.5°	9588.8	9572.9	9714.5	9946.0	10179.4	10301.1	10277.2	10267.2	10073.6	9932.0	9634.7
5°	9568.9	9650.7	9904.1	10530.5	11005.4	11234.8	11302.7	11017.4	10640.3	10093.6	9419.2
7.5°	8996.2	9098.0	9511.0	10490.6	11334.6	11833.4	11815.4	11358.5	10580.4	9734.5	8772.8
10°	8286.0	8405.7	8890.5	10079.6	11175.0	11833.4	11869.3	11290.7	10323.0	9237.7	8226.1
12.5°	7785.2	7926.8	8463.5	9696.6	10764.0	11412.4	11454.3	11035.3	10129.5	9046.1	7928.8
15°	7615.6	7749.3	8293.9	9503.0	10327.0	10676.2	10666.2	10622.3	10053.7	9092.0	7944.8
17.5°	7906.9	8016.6	8631.1	9590.8	9918.0	9882.1	9934.0	10145.5	10069.7	9477.1	8447.6
20°	8659.1	8770.8	9431.2	9860.2	9604.8	9377.3	9401.3	9754.4	10217.3	10201.3	9233.7
22.5°	9694.6	9884.1	10482.7	10382.9	9562.9	9064.1	9014.2	9473.1	10468.7	11035.3	10295.1
25°	11005.4	11196.9	11663.8	11216.9	9768.4	8990.3	8944.4	9387.3	10773.9	11849.3	11490.2
27.5°	12106.7	12252.4	12717.3	12028.9	10071.6	9022.2	8946.4	9399.3	11021.4	12541.7	12497.8
30°	12988.6	13096.3	13369.7	12408.0	10333.0	9161.8	9074.1	9574.8	11131.1	12878.9	13313.8
32.5°	13698.9	13880.4	13966.2	12813.0	10708.1	9425.2	9275.6	9912.0	11398.4	13295.9	14169.7
35°	14510.9	14720.4	14610.7	13200.1	11202.9	9836.2	9652.7	10458.7	11803.5	13680.9	15163.3
37.5°	15540.4	15781.8	15352.9	13607.1	11725.6	10454.7	10368.9	11226.9	12418.0	14231.6	16228.8
40°	16605.8	16745.5	16073.1	14101.9	12368.1	11354.5	11436.3	12368.1	13222.0	14892.0	17362.0
42.5°	17437.8	17569.5	16813.3	14516.9	13024.5	12422.0	12763.1	13744.8	14143.8	15568.4	18208.0
45°	18074.3	18186.0	17326.1	14969.8	13910.4	13968.2	14612.7	15163.3	15067.6	15981.4	18860.4
47.5°	18569.1	18664.9	17721.2	15456.6	15237.2	15859.7	16845.3	17078.7	16025.3	16428.3	19451.0
50°	18772.6	18800.5	17844.9	16077.1	16743.5	18269.8	19297.3	19155.7	17122.6	16925.1	20079.5
52.5°	19038.0	19032.0	18198.0	16667.7	18160.1	20424.6	21450.1	21128.9	18363.6	17669.3	20785.7
55°	19734.3	19742.3	18954.2	17505.7	19367.2	22164.4	23261.8	23028.3	19672.4	18926.2	21609.8
57.5°	20580.2	20610.2	20029.6	18485.3	20520.4	23425.4	24614.5	24524.7	21442.2	20324.9	22387.9
59°	20690.0	20749.8	20538.3	19175.6	21204.7	23812.4	25077.4	25165.2	22389.9	21246.6	22808.9
60°	20490.5	20590.2	20686.0	19566.7	21605.8	23952.1	25105.3	25276.9	23102.1	21873.1	23000.4
62.5°	19620.6	19778.2	20259.0	20769.8	22106.5	23517.1	24213.5	24572.6	23984.0	23519.1	23018.3
65°	18481.3	18563.1	19257.4	20983.3	21134.9	21486.0	21701.5	22162.4	22924.6	24153.6	22194.3
67.5°	16613.8	16855.2	17705.2	19744.3	18267.8	17852.8	17799.0	17340.1	19319.3	22641.3	20163.2
70°	13724.8	13832.6	14880.0	16186.9	13786.7	13148.2	13403.6	13232.0	14975.8	19490.9	16228.8
72.5°	10378.9	10622.3	11645.8	12902.8	9381.3	8553.3	9257.6	9193.8	11248.8	15664.1	11149.0
75°	7384.1	7541.8	8846.6	10097.6	6570.1	5566.5	5819.9	6057.4	7853.0	12368.1	6588.1
77.5°	5073.7	5209.4	6189.0	6677.9	4792.4	4590.9	4199.8	4429.3	5145.6	7338.3	3585.3
80°	3060.6	3054.6	3699.1	3818.8	3337.9	3876.6	3252.1	3651.2	3110.5	3140.4	1388.6
82.5°	1987.2	1967.2	2262.5	2466.0	1857.5	1953.3	1310.8	1889.4	2027.1	875.9	438.9
85°	889.8	927.8	1087.4	1434.5	814.0	433.0	267.4	580.6	863.9	440.9	0.0
87.5°	91.8	71.8	191.5	349.2	111.7	12.0	39.9	20.0	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°	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8
2.5°	9497.0	9381.3	9036.2	8712.9	8435.6	8096.4	7877.0	7531.8	7322.3	7258.5	7268.4
5°	9116.0	8782.8	8126.4	7601.6	7017.0	6683.8	6177.1	5690.2	5426.9	5329.1	5285.2
7.5°	8317.9	7960.8	7168.7	6344.7	5718.2	5133.6	4756.5	4327.5	4034.2	3792.8	3750.9
10°	7725.3	7256.5	6274.8	5389.0	4894.2	4455.2	4078.1	3649.2	3304.0	3028.7	2952.9
12.5°	7370.2	6845.4	5750.1	5007.9	4539.0	4088.1	3597.3	3100.5	2747.4	2450.1	2312.4
15°	7306.3	6697.8	5602.5	4734.6	4156.0	3611.3	2958.8	2422.1	2059.0	1777.7	1691.9
17.5°	7691.4	6963.2	5580.5	4449.2	3655.2	2883.0	2204.7	1759.7	1350.7	1193.1	1131.3
20°	8377.7	7432.0	5578.5	4118.0	3140.4	2220.6	1548.3	1147.2	981.6	905.8	869.9
22.5°	9313.5	8070.5	5684.3	3832.7	2605.7	1638.0	1105.3	913.8	818.0	756.2	742.2
25°	10456.7	9016.2	5943.6	3639.2	2196.7	1284.9	911.8	782.1	702.3	674.4	662.4
27.5°	11472.3	9922.0	6228.9	3439.7	1903.4	1137.3	846.0	716.3	652.4	630.5	612.5
30°	12348.1	10744.0	6366.6	3176.3	1668.0	1041.5	857.9	766.1	682.4	616.5	586.6
32.5°	13078.4	11374.5	6456.4	2936.9	1468.4	851.9	678.4	592.6	554.7	530.7	510.8
35°	13992.2	12056.8	6402.5	2801.2	1366.7	776.1	618.5	510.8	446.9	399.0	379.1
37.5°	14949.9	12739.2	6308.7	2689.5	1320.8	720.3	588.6	484.8	415.0	365.1	339.2
40°	15941.5	13371.7	6199.0	2585.7	1278.9	684.3	570.6	462.9	393.0	339.2	311.2
42.5°	16849.3	13988.2	6155.1	2517.9	1211.1	690.3	556.7	452.9	371.1	315.2	291.3
45°	17583.5	14572.8	6215.0	2482.0	1137.3	680.4	560.6	440.9	353.1	299.3	275.3
47.5°	18367.6	15398.8	6408.5	2446.1	1065.4	632.5	590.6	438.9	345.2	289.3	263.4
50°	19279.4	16456.2	6851.4	2358.3	977.6	580.6	628.5	436.9	335.2	277.3	251.4
52.5°	20494.4	17657.3	7308.3	2204.7	849.9	530.7	600.5	431.0	315.2	263.4	237.4
55°	21585.8	18922.2	7695.4	2023.1	688.3	458.9	540.7	405.0	281.3	239.4	215.5
57.5°	22036.7	19636.5	7683.4	1771.7	550.7	403.0	444.9	371.1	245.4	211.5	191.5
59°	21871.1	19546.7	7426.0	1586.2	502.8	373.1	369.1	367.1	229.4	191.5	175.6
60°	21637.7	19219.5	7148.7	1494.4	472.9	353.1	339.2	363.1	215.5	179.6	163.6
62.5°	20743.8	17862.8	6228.9	1338.8	433.0	299.3	271.3	307.3	191.5	155.6	141.7
65°	19449.0	15777.9	5273.2	1294.9	421.0	247.4	225.5	219.5	163.6	131.7	119.7
67.5°	16923.1	13351.7	4271.7	1264.9	425.0	207.5	197.5	165.6	135.7	109.7	101.8
70°	13549.2	10410.8	3497.5	1231.0	429.0	169.6	165.6	131.7	109.7	91.8	83.8
72.5°	8232.1	6171.1	2753.3	1069.4	417.0	135.7	147.6	99.8	79.8	65.8	61.9
75°	5089.7	4223.8	1707.9	832.0	275.3	99.8	103.7	61.9	53.9	41.9	41.9
77.5°	2948.9	2667.6	610.5	299.3	121.7	59.9	45.9	31.9	29.9	18.0	18.0
80°	1223.0	979.6	211.5	101.8	65.8	27.9	10.0	2.0	0.0	0.0	0.0
82.5°	357.1	317.2	57.9	45.9	20.0	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°	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8
2.5°	7098.8	7033.0	7003.1	7104.8	7011.0	7130.8	7039.0	7078.9	7196.6	7248.5	7382.2
5°	5313.2	5245.3	5213.4	5367.0	5359.0	5434.9	5426.9	5496.7	5556.6	5422.9	5560.6
7.5°	3701.1	3655.2	3731.0	3850.7	3978.4	3936.5	3936.5	3842.7	3874.6	3854.7	3848.7
10°	2815.2	2657.6	2617.7	2613.7	2661.6	2671.5	2617.7	2488.0	2535.9	2549.8	2633.6
12.5°	2214.6	2092.9	1907.4	1823.6	1801.6	1819.6	1642.0	1528.3	1582.2	1550.3	1632.1
15°	1588.2	1488.4	1378.7	1284.9	1259.0	1223.0	1029.5	893.8	877.9	883.9	897.8
17.5°	1133.3	1065.4	1065.4	965.7	911.8	804.1	706.3	646.4	640.5	646.4	656.4
20°	836.0	800.1	796.1	770.1	710.3	638.5	570.6	558.6	554.7	564.6	568.6
22.5°	720.3	682.4	650.4	648.4	592.6	532.7	500.8	484.8	486.8	490.8	500.8
25°	644.4	604.5	570.6	550.7	510.8	468.9	438.9	431.0	431.0	436.9	438.9
27.5°	590.6	540.7	510.8	482.8	446.9	411.0	385.1	379.1	375.1	379.1	389.1
30°	552.7	502.8	464.9	423.0	395.0	361.1	339.2	331.2	329.2	331.2	339.2
32.5°	472.9	442.9	413.0	375.1	341.2	319.2	295.3	281.3	281.3	285.3	293.3
35°	357.1	341.2	339.2	329.2	301.3	277.3	249.4	235.4	235.4	243.4	247.4
37.5°	315.2	285.3	281.3	277.3	265.4	233.4	207.5	195.5	193.5	199.5	207.5
40°	287.3	253.4	235.4	231.4	233.4	197.5	169.6	157.6	157.6	159.6	167.6
42.5°	265.4	225.5	193.5	189.5	197.5	165.6	137.7	125.7	125.7	125.7	135.7
45°	247.4	201.5	163.6	143.7	155.6	135.7	111.7	99.8	95.8	99.8	103.7
47.5°	235.4	183.6	143.7	115.7	115.7	107.7	89.8	75.8	71.8	73.8	79.8
50°	225.5	167.6	121.7	93.8	83.8	85.8	67.8	57.9	53.9	53.9	59.9
52.5°	209.5	151.6	105.7	79.8	63.8	57.9	49.9	41.9	39.9	41.9	45.9
55°	189.5	137.7	91.8	65.8	49.9	39.9	35.9	29.9	27.9	29.9	35.9
57.5°	167.6	115.7	73.8	51.9	33.9	25.9	23.9	20.0	16.0	18.0	21.9
59°	153.6	103.7	63.8	41.9	25.9	18.0	18.0	14.0	10.0	12.0	18.0
60°	147.6	95.8	53.9	35.9	21.9	14.0	14.0	10.0	6.0	8.0	14.0
62.5°	125.7	79.8	41.9	21.9	10.0	2.0	6.0	2.0	0.0	2.0	6.0
65°	105.7	63.8	27.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
67.5°	87.8	47.9	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	69.8	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	47.9	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	29.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.0	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: P456031

CATALOG NUMBER: GLAN-SA7B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8	8776.8
2.5°	7390.1	7675.4	7851.0	8182.2	8521.4	8782.8	9110.0	9403.3	9525.0	9588.8
5°	5700.2	6097.3	6434.4	6939.2	7408.1	7978.7	8557.3	9239.7	9501.0	9568.9
7.5°	4000.3	4405.3	4758.5	5343.1	6011.5	6775.6	7641.5	8507.4	8888.5	8996.2
10°	2889.0	3322.0	3752.9	4337.5	4962.0	5790.0	6691.8	7763.2	8202.2	8286.0
12.5°	1823.6	2288.5	2988.8	3711.0	4371.4	5037.8	5981.5	7146.7	7631.5	7785.2
15°	1057.4	1404.6	1933.3	2875.0	3715.0	4596.9	5626.4	6915.3	7458.0	7615.6
17.5°	708.3	828.0	1191.1	1911.4	3020.7	4189.9	5536.6	7104.8	7705.4	7906.9
20°	596.6	650.4	778.1	1165.2	2326.4	3826.7	5560.6	7619.6	8407.7	8659.1
22.5°	524.7	574.6	656.4	838.0	1624.1	3375.8	5674.3	8355.8	9373.3	9694.6
25°	462.9	512.8	584.6	694.3	1091.4	2855.1	5923.7	9433.2	10652.2	11005.4
27.5°	411.0	456.9	518.7	612.5	840.0	2274.5	6145.1	10482.7	11819.4	12106.7
30°	363.1	401.0	460.9	532.7	698.3	1753.8	6256.9	11400.4	12669.4	12988.6
32.5°	315.2	351.2	409.0	466.9	574.6	1336.8	6179.1	12074.8	13495.4	13698.9
35°	269.3	307.3	355.1	409.0	496.8	1079.4	5790.0	12833.0	14351.3	14510.9
37.5°	231.4	263.4	313.2	355.1	448.9	863.9	5319.1	13515.3	15311.0	15540.4
40°	195.5	227.5	277.3	315.2	413.0	680.4	4894.2	14273.5	16322.5	16605.8
42.5°	159.6	197.5	241.4	303.3	355.1	518.7	4379.4	14888.0	17082.7	17437.8
45°	127.7	169.6	217.5	301.3	309.3	395.0	3882.6	15366.8	17755.1	18074.3
47.5°	101.8	143.7	209.5	281.3	253.4	313.2	3599.3	15867.6	18313.7	18569.1
50°	81.8	119.7	219.5	247.4	211.5	265.4	3591.3	16426.3	18603.0	18772.6
52.5°	65.8	97.8	185.6	189.5	179.6	233.4	3806.8	17054.8	18898.3	19038.0
55°	55.9	81.8	121.7	139.7	161.6	211.5	3968.4	18022.4	19602.6	19734.3
57.5°	43.9	69.8	93.8	111.7	143.7	193.5	3990.4	18768.6	20494.4	20580.2
59°	37.9	59.9	83.8	99.8	131.7	181.6	3900.6	18814.5	20552.3	20690.0
60°	31.9	53.9	73.8	93.8	121.7	171.6	3802.8	18481.3	20336.8	20490.5
62.5°	23.9	41.9	53.9	75.8	99.8	147.6	3339.9	17318.1	19512.8	19620.6
65°	16.0	29.9	39.9	55.9	77.8	127.7	2721.4	15809.8	18239.9	18481.3
67.5°	10.0	21.9	31.9	41.9	63.8	107.7	1939.3	13557.2	16458.2	16613.8
70°	6.0	14.0	23.9	33.9	49.9	85.8	1151.2	10716.1	13692.9	13724.8
72.5°	4.0	10.0	16.0	23.9	39.9	77.8	558.6	6985.1	9997.8	10378.9
75°	2.0	6.0	10.0	18.0	31.9	63.8	267.4	4666.7	7274.4	7384.1
77.5°	0.0	2.0	6.0	12.0	23.9	49.9	155.6	3064.6	4960.0	5073.7
80°	0.0	0.0	4.0	10.0	18.0	31.9	93.8	1807.6	3004.7	3060.6
82.5°	0.0	0.0	2.0	8.0	12.0	23.9	47.9	794.1	1967.2	1987.2
85°	0.0	0.0	2.0	8.0	10.0	16.0	18.0	107.7	873.9	889.8
87.5°	0.0	0.0	2.0	10.0	10.0	10.0	10.0	6.0	73.8	91.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)