

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: P457019

Luminaire Tested: **GLAN-SA8B-750-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457019
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-SA8B-750-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 800mA 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: 32998 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

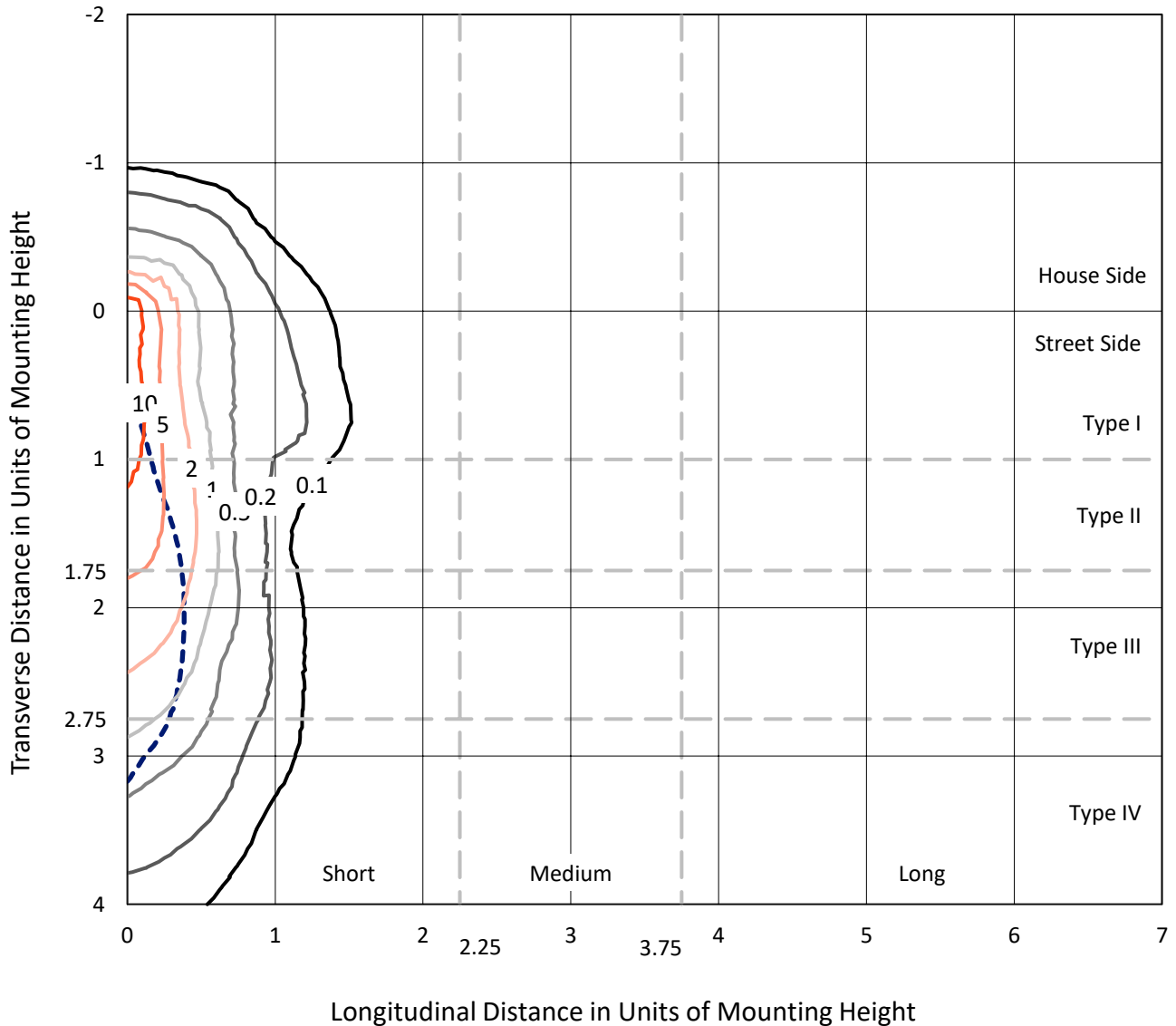
Input Watts (W): 325
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

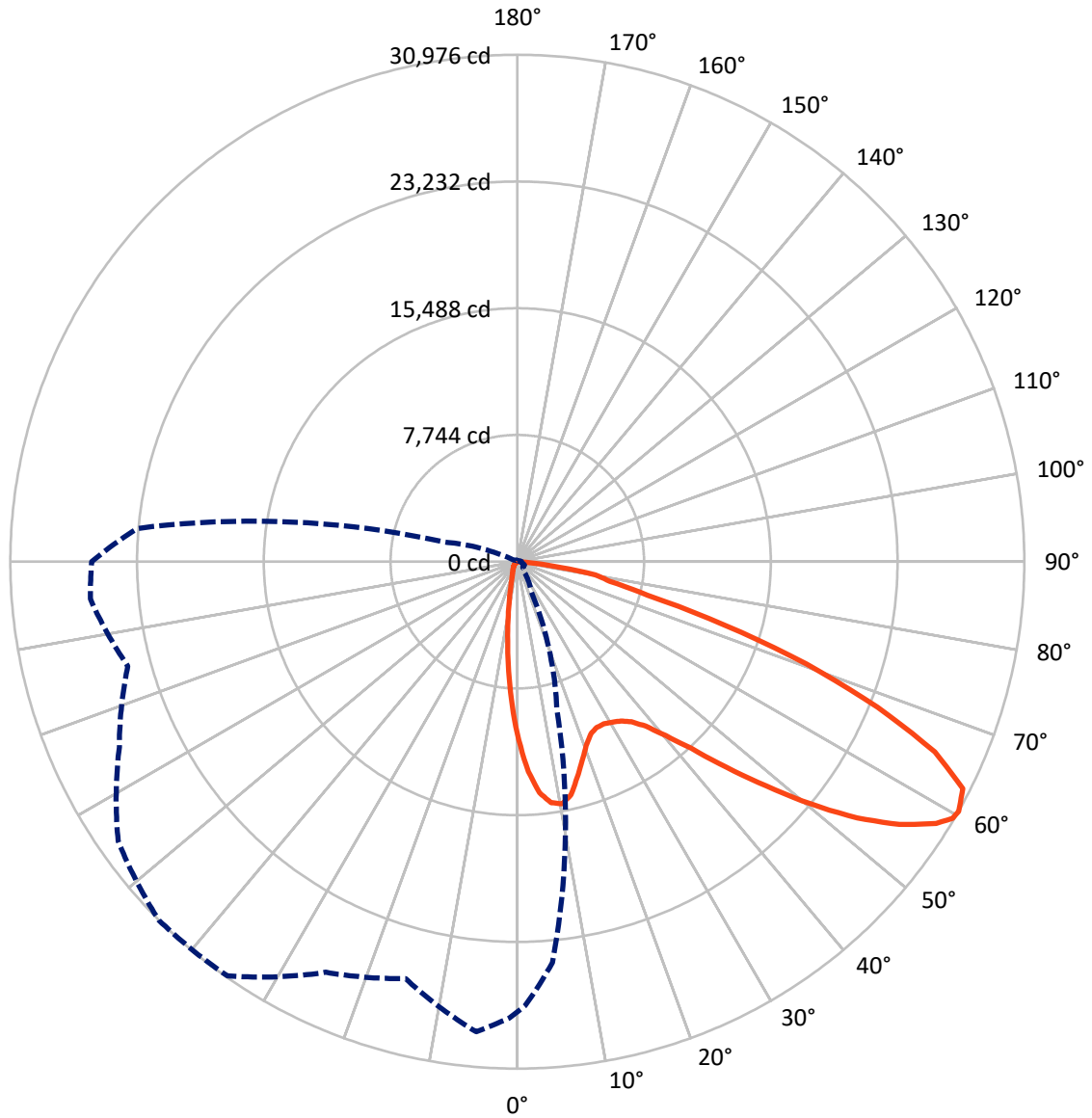
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4070.0	0.0	4070.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	28928.0	0.0	28928.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	32998.0	0.0	32998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.2	2.5
10°-20°	1611.0	4.9
20°-30°	2362.2	7.2
30°-40°	3512.9	10.6
40°-50°	5112.4	15.5
50°-60°	7372.5	22.3
60°-70°	8109.0	24.6
70°-80°	3632.2	11.0
80°-90°	474.6	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°	32998.0	100.0
0°-180°	32998.0	100.0

Coefficient of Utilization



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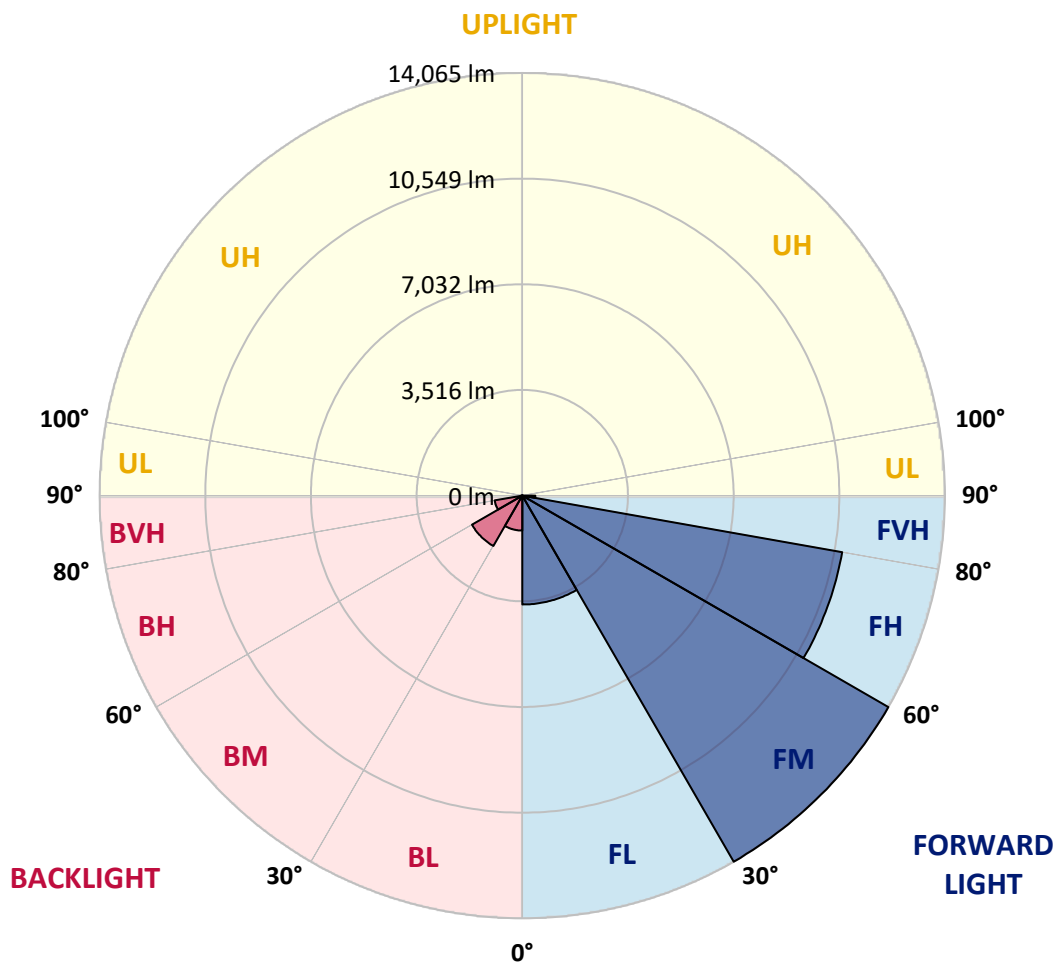
CATALOG NUMBER: GLAN-SA8B-750-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3621.4	11.0			
FM	(30°-60°)	14064.8	42.6			
FH	(60°-80°)	10807.8	32.8			G4/12000
FVH	(80°-90°)	434.0	1.3			G3/500
BL	(0°-30°)	1162.9	3.5	B3/2500		
BM	(30°-60°)	1933.1	5.9	B2/2500		
BH	(60°-80°)	933.3	2.8	B2/1000		G2/1000
BVH	(80°-90°)	40.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3
2.5°	11989.9	11937.2	11816.8	11450.6	11132.1	10715.7	10294.3	9963.2	9760.0	9386.2	9215.7
5°	11616.2	11641.3	11292.6	10540.1	9702.3	9130.4	8505.8	8009.2	7462.3	7116.2	6752.5
7.5°	10640.4	10590.3	10211.5	9163.0	8144.6	7316.9	6526.7	5884.6	5480.7	5157.2	4886.3
10°	9805.1	9767.5	9283.4	7933.9	6840.3	6220.7	5686.4	5124.6	4690.6	4216.5	3837.8
12.5°	9280.9	9195.6	8638.8	7229.1	6338.6	5761.7	5179.7	4595.3	3995.8	3516.7	3057.7
15°	9105.3	8982.4	8362.8	6985.8	6017.5	5285.1	4555.2	3882.9	3193.1	2663.9	2317.7
17.5°	9423.9	9220.7	8561.0	6943.1	5633.8	4663.0	3765.0	2889.6	2172.2	1768.4	1555.2
20°	10153.8	9920.5	9062.7	6900.5	5207.3	3965.7	2862.0	2041.8	1502.5	1281.8	1163.9
22.5°	11237.4	10916.3	9805.1	6968.2	4813.5	3285.9	2066.9	1442.3	1194.0	1056.0	973.2
25°	12539.2	12270.9	10745.8	7209.0	4502.5	2751.7	1597.8	1178.9	1005.8	920.6	857.9
27.5°	13966.5	13537.6	11962.3	7497.5	4219.0	2337.8	1402.2	1053.5	895.5	817.7	785.1
30°	14982.4	14648.8	12980.7	7698.1	3865.4	2026.7	1281.8	1038.5	898.0	805.2	745.0
32.5°	15985.7	15559.3	13833.6	7790.9	3607.0	1811.0	1108.7	905.5	787.6	740.0	679.8
35°	17059.3	16612.8	14683.9	7740.8	3413.9	1668.1	1005.8	807.7	674.7	594.5	534.3
37.5°	18145.4	17673.8	15529.2	7560.2	3293.5	1610.4	925.6	767.6	637.1	554.3	489.1
40°	19434.7	18805.1	16321.8	7412.2	3168.0	1580.3	872.9	742.5	609.5	521.7	456.5
42.5°	20488.2	19888.7	17071.8	7334.4	3082.8	1510.0	872.9	722.4	592.0	494.1	426.4
45°	21486.5	20864.5	17882.0	7397.1	3047.6	1422.2	882.9	719.9	579.4	474.1	406.4
47.5°	22321.8	21782.5	18714.8	7632.9	3002.5	1326.9	830.3	755.0	571.9	456.5	386.3
50°	23307.6	22785.9	19816.0	8109.5	2922.2	1231.6	765.0	812.7	569.4	441.5	368.7
52.5°	24697.2	24132.8	21336.0	8651.3	2794.3	1086.1	704.8	805.2	559.4	416.4	351.2
55°	26395.4	25938.9	23096.9	9301.0	2618.7	923.1	609.5	714.9	529.3	373.7	321.1
57.5°	27484.0	27095.2	24416.3	9581.9	2350.3	755.0	536.8	599.5	484.1	333.6	286.0
59°	27611.9	27260.8	24692.2	9489.1	2174.7	689.8	501.7	514.2	471.6	311.0	265.9
60°	27504.1	27140.4	24581.8	9308.5	2011.7	644.6	471.6	456.5	474.1	298.5	250.8
62.5°	26811.8	26189.7	23510.8	8392.9	1758.4	592.0	418.9	373.7	418.9	268.4	223.2
65°	25474.8	24541.7	21391.2	7103.7	1658.0	561.9	356.2	313.5	318.6	235.8	193.1
67.5°	23139.5	21963.1	18569.3	5771.7	1615.4	564.4	301.0	280.9	245.8	200.7	170.6
70°	19447.2	18273.3	14899.6	4748.3	1595.3	564.4	255.9	240.8	205.7	168.1	148.0
72.5°	13780.9	12516.7	10051.0	3729.9	1437.3	561.9	218.2	218.2	168.1	140.5	120.4
75°	7785.9	7796.0	6318.5	2638.8	1194.0	464.0	175.6	173.1	122.9	107.9	90.3
77.5°	4537.6	4457.3	4259.2	1133.8	554.3	210.7	122.9	105.4	85.3	77.8	65.2
80°	2332.8	1918.9	1868.7	411.4	198.2	132.9	85.3	60.2	55.2	50.2	45.2
82.5°	689.8	692.3	617.1	165.6	110.4	87.8	42.6	32.6	30.1	27.6	27.6
85°	47.7	30.1	35.1	50.2	67.7	35.1	2.5	7.5	7.5	10.0	12.5
87.5°	5.0	2.5	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°	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3
2.5°	9027.6	9137.9	8932.2	8937.3	8766.7	8821.9	8621.2	8686.4	8568.5	8658.8	8924.7
5°	6792.6	6817.7	6652.1	6599.5	6624.6	6727.4	6767.5	6584.4	6662.2	6509.2	6499.1
7.5°	4785.9	4816.0	4720.7	4708.2	4888.8	4846.1	4923.9	4735.8	4557.7	4635.4	4492.5
10°	3717.4	3592.0	3396.3	3341.1	3306.0	3328.6	3328.6	3158.0	3132.9	3065.2	3168.0
12.5°	2934.8	2781.8	2596.1	2345.3	2282.6	2277.6	2184.8	2034.3	1986.6	1928.9	2014.2
15°	2132.1	2069.4	1913.9	1773.4	1630.4	1602.8	1452.3	1329.4	1166.4	1143.8	1136.3
17.5°	1500.0	1407.2	1404.7	1324.4	1241.6	1186.5	1046.0	905.5	842.8	835.3	835.3
20°	1123.7	1091.1	1038.5	1028.4	1003.3	940.6	815.2	740.0	709.9	712.4	722.4
22.5°	945.6	923.1	875.4	852.8	842.8	787.6	694.8	644.6	629.6	629.6	632.1
25°	845.3	825.2	772.6	737.5	724.9	684.8	612.0	574.4	561.9	561.9	561.9
27.5°	770.1	745.0	689.8	659.7	637.1	592.0	546.8	509.2	496.7	496.7	499.2
30°	717.4	689.8	639.6	599.5	564.4	524.2	486.6	454.0	439.0	436.5	439.0
32.5°	647.2	622.1	571.9	546.8	506.7	459.0	428.9	398.8	383.8	386.3	383.8
35°	504.2	496.7	461.5	469.1	446.5	406.4	378.8	346.2	328.6	326.1	331.1
37.5°	459.0	428.9	388.8	391.3	383.8	368.7	323.6	288.5	275.9	275.9	278.4
40°	423.9	393.8	348.7	326.1	328.6	328.6	280.9	243.3	230.8	228.3	233.3
42.5°	393.8	363.7	313.5	275.9	265.9	278.4	238.3	200.7	188.1	183.1	188.1
45°	373.7	341.1	283.4	240.8	210.7	225.8	195.7	165.6	150.5	150.5	148.0
47.5°	353.7	323.6	260.9	208.2	175.6	168.1	160.5	132.9	117.9	115.4	117.9
50°	336.1	306.0	235.8	180.6	148.0	130.4	130.4	105.4	95.3	90.3	92.8
52.5°	318.6	286.0	213.2	160.5	127.9	105.4	92.8	85.3	77.8	75.3	77.8
55°	293.5	260.9	190.6	138.0	110.4	87.8	72.7	70.2	65.2	60.2	65.2
57.5°	263.4	233.3	168.1	117.9	87.8	67.7	60.2	57.7	52.7	50.2	50.2
59°	245.8	218.2	155.5	102.8	77.8	60.2	55.2	52.7	47.7	42.6	45.2
60°	235.8	213.2	148.0	95.3	70.2	55.2	50.2	47.7	42.6	40.1	42.6
62.5°	208.2	190.6	130.4	77.8	55.2	40.1	35.1	37.6	35.1	32.6	35.1
65°	183.1	168.1	110.4	60.2	42.6	27.6	25.1	32.6	30.1	27.6	30.1
67.5°	163.0	145.5	92.8	45.2	30.1	15.1	17.6	27.6	27.6	25.1	27.6
70°	140.5	125.4	75.3	32.6	15.1	7.5	12.5	20.1	25.1	22.6	25.1
72.5°	115.4	97.8	57.7	22.6	7.5	0.0	7.5	17.6	25.1	22.6	25.1
75°	90.3	72.7	42.6	12.5	0.0	0.0	2.5	15.1	25.1	22.6	25.1
77.5°	65.2	52.7	25.1	2.5	0.0	0.0	2.5	15.1	25.1	22.6	25.1
80°	42.6	37.6	10.0	0.0	0.0	0.0	2.5	15.1	25.1	25.1	27.6
82.5°	27.6	20.1	0.0	0.0	0.0	0.0	5.0	20.1	27.6	30.1	30.1
85°	12.5	0.0	0.0	0.0	0.0	0.0	10.0	25.1	32.6	32.6	32.6
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	17.6	30.1	37.6	37.6	37.6
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°	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3
2.5°	8969.9	9127.9	9351.1	9694.8	9973.2	10412.2	10748.3	11207.3	11671.4	11811.8	12030.1
5°	6602.0	6805.2	7311.8	7773.4	8064.3	8992.4	9579.4	10505.0	11335.2	11734.1	12168.0
7.5°	4585.3	4826.1	5212.4	5857.0	6469.0	7224.1	8172.2	9230.7	10447.3	11016.7	11628.7
10°	3218.2	3519.2	4063.5	4592.8	5362.9	6080.2	7015.9	8184.7	9526.7	10199.0	10966.5
12.5°	2031.8	2300.2	3020.1	3614.5	4575.2	5408.0	6270.9	7329.4	8884.6	9574.4	10379.6
15°	1161.4	1387.1	1723.2	2485.8	3551.8	4653.0	5729.1	6958.2	8556.0	9406.3	10276.7
17.5°	865.4	925.6	1076.1	1507.5	2478.3	3765.0	5229.9	6845.3	8779.2	9777.6	10770.9
20°	727.4	767.6	837.8	1008.4	1580.3	2899.7	4743.3	6865.4	9501.6	10755.8	11698.9
22.5°	652.2	677.3	734.9	845.3	1078.6	2112.0	4173.9	6983.2	10377.0	11957.3	13045.9
25°	571.9	604.5	654.7	750.0	898.0	1464.9	3612.0	7246.6	11603.6	13482.4	14505.8
27.5°	509.2	539.3	589.5	677.3	787.6	1118.7	2957.3	7472.4	12897.9	15017.5	15855.3
30°	446.5	476.6	526.8	597.0	697.3	905.5	2252.5	7605.3	14154.6	16168.8	16813.5
32.5°	393.8	418.9	466.6	529.3	612.0	767.6	1775.9	7467.4	15115.3	17214.8	17646.3
35°	341.1	371.2	411.4	469.1	541.8	654.7	1477.4	6990.8	15940.6	18290.9	18446.4
37.5°	286.0	321.1	363.7	416.4	474.1	602.0	1186.5	6464.0	16823.5	19632.9	19377.0
40°	240.8	273.4	313.5	371.2	423.9	551.8	913.0	5902.2	17776.7	20892.1	20392.9
42.5°	195.7	230.8	278.4	331.1	418.9	481.6	707.4	5320.2	18632.0	21988.2	21311.0
45°	155.5	185.6	235.8	303.5	416.4	413.9	546.8	4745.8	19276.7	22770.8	21995.7
47.5°	122.9	148.0	198.2	296.0	383.8	351.2	439.0	4389.6	19953.9	23475.7	22520.0
50°	97.8	122.9	170.6	308.5	336.1	301.0	368.7	4447.3	20608.6	23834.4	22735.7
52.5°	82.8	107.9	148.0	243.3	258.4	263.4	323.6	4713.2	21453.9	24218.1	23164.6
55°	72.7	95.3	125.4	170.6	200.7	235.8	296.0	4906.3	22585.2	25040.9	24110.3
57.5°	57.7	82.8	112.9	145.5	165.6	205.7	273.4	4921.4	23608.6	26096.9	25367.0
59°	52.7	75.3	105.4	138.0	148.0	185.6	258.4	4793.5	23646.2	26254.9	25943.9
60°	47.7	72.7	100.3	127.9	140.5	175.6	245.8	4645.5	23305.1	26004.1	26182.2
62.5°	40.1	62.7	87.8	102.8	120.4	145.5	213.2	4108.7	21652.1	24867.8	25740.7
65°	35.1	55.2	75.3	85.3	100.3	125.4	188.1	3288.4	19826.0	23327.7	24476.5
67.5°	32.6	50.2	65.2	72.7	87.8	115.4	168.1	2322.7	17460.6	21373.7	22577.7
70°	30.1	47.7	57.7	67.7	77.8	97.8	143.0	1354.5	13449.8	17947.3	19219.0
72.5°	30.1	45.2	50.2	57.7	67.7	87.8	132.9	732.4	9195.6	13690.6	15333.6
75°	30.1	42.6	45.2	50.2	60.2	80.3	117.9	383.8	5944.8	9511.7	11739.1
77.5°	30.1	40.1	45.2	47.7	57.7	70.2	102.8	240.8	3960.7	6662.2	7933.9
80°	32.6	40.1	42.6	47.7	55.2	65.2	85.3	160.5	2327.7	4008.3	4828.6
82.5°	35.1	40.1	45.2	50.2	57.7	62.7	75.3	100.3	1073.6	2651.3	3000.0
85°	37.6	42.6	47.7	52.7	60.2	62.7	70.2	72.7	175.6	1196.5	1617.9
87.5°	40.1	45.2	50.2	55.2	65.2	65.2	65.2	65.2	60.2	127.9	326.1
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: P457019

CATALOG NUMBER: GLAN-SA8B-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3	10906.3
2.5°	12306.0	12589.4	12787.6	12837.7	12694.8	12629.5	12448.9	12168.0	11997.4	11989.9
5°	12968.2	13632.9	14094.4	14172.2	13896.3	13429.7	12875.4	12160.5	11741.6	11616.2
7.5°	12855.3	14019.2	14761.6	14869.5	14405.5	13515.0	12441.4	11290.1	10833.6	10640.4
10°	12391.3	13811.0	14872.0	15042.6	14423.0	13168.8	11804.3	10520.0	9953.1	9805.1
12.5°	11994.9	13429.7	14372.9	14608.6	14139.6	12887.9	11423.0	10025.9	9418.9	9280.9
15°	11821.9	12978.2	13555.1	13675.5	13597.8	12712.3	11382.9	9950.6	9255.8	9105.3
17.5°	11994.9	12594.4	12667.2	12790.1	12963.2	12694.8	11769.2	10359.5	9609.5	9423.9
20°	12448.9	12260.8	11959.8	12012.5	12408.8	12767.5	12456.5	11265.0	10352.0	10153.8
22.5°	13221.5	12178.0	11495.8	11450.6	11952.3	13010.8	13464.8	12491.6	11433.1	11237.4
25°	14169.7	12386.2	11325.2	11227.4	11774.2	13367.0	14561.0	13994.1	12837.7	12539.2
27.5°	15203.1	12817.7	11325.2	11229.9	11759.2	13683.1	15499.1	15323.5	14292.6	13966.5
30°	15770.0	13173.9	11488.2	11380.4	11944.8	13866.2	16000.8	16505.0	15386.2	14982.4
32.5°	16276.7	13668.0	11806.8	11603.6	12333.6	14137.1	16449.8	17508.3	16256.6	15985.7
35°	16743.2	14197.3	12245.8	12010.0	12845.3	14508.3	16946.4	18561.8	17468.2	17059.3
37.5°	17257.5	14811.8	12930.5	12729.9	13700.6	15230.7	17535.9	19946.4	18659.6	18145.4
40°	17816.8	15524.2	14056.8	13971.5	15060.1	16048.4	18280.9	21423.8	20019.2	19434.7
42.5°	18386.2	16344.4	15436.4	15576.9	16600.3	17194.7	19045.9	22560.1	21132.9	20488.2
45°	18902.9	17392.9	17229.9	17924.7	18396.2	18313.5	19612.8	23360.3	22103.6	21486.5
47.5°	19555.1	18920.5	19399.6	20470.7	20483.2	19530.0	20041.7	24015.0	22938.9	22321.8
50°	20285.0	20724.0	22201.4	23292.5	22999.1	20726.5	20543.4	24790.0	23801.7	23307.6
52.5°	21130.3	22743.2	24790.0	26001.6	25316.8	22030.8	21378.7	25627.8	25171.3	24697.2
55°	22113.6	24120.3	27371.1	28336.8	27647.0	23651.2	22647.9	26764.1	26719.0	26395.4
57.5°	23224.8	25575.1	28866.1	30173.0	29558.4	25552.6	24421.3	27835.2	27664.6	27484.0
59°	24102.7	26322.6	29525.8	30880.3	30509.1	26884.5	25612.8	28502.4	27882.8	27611.9
60°	24634.5	26829.3	29769.1	30975.6	30890.3	27677.1	26367.8	28828.5	27880.3	27504.1
62.5°	26212.3	27714.8	29676.3	30551.7	30885.3	29197.2	28582.7	29187.2	27363.6	26811.8
65°	26774.1	27421.3	28138.7	28030.8	28316.8	29119.4	29997.4	28793.4	26259.9	25474.8
67.5°	25680.5	24203.1	24456.4	23736.5	23596.1	25888.7	29423.0	26866.9	24100.2	23139.5
70°	21647.1	18541.7	18413.8	18744.9	17836.9	20959.8	26420.5	23157.1	20535.9	19447.2
72.5°	17039.2	13103.6	12025.0	13244.1	13216.5	15990.7	21948.1	16432.2	13873.7	13780.9
75°	13399.6	9122.9	8006.7	8204.8	8586.1	11576.0	17480.7	10434.7	8543.4	7785.9
77.5°	8994.9	6464.0	6030.1	5786.8	6198.1	7432.2	11059.3	5658.8	4791.0	4537.6
80°	5184.8	4695.6	5332.8	4841.1	5061.9	4683.1	5500.8	2596.1	2154.7	2332.8
82.5°	3373.7	2673.9	2849.5	2117.0	2894.6	2919.7	1765.9	767.6	649.7	689.8
85°	2109.5	1254.2	704.8	501.7	998.3	1836.1	551.8	47.7	55.2	47.7
87.5°	546.8	208.2	87.8	130.4	160.5	143.0	127.9	7.5	2.5	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)