

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: P530525

Luminaire Tested: **GLAN-SA5D-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5D-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19505 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 309
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

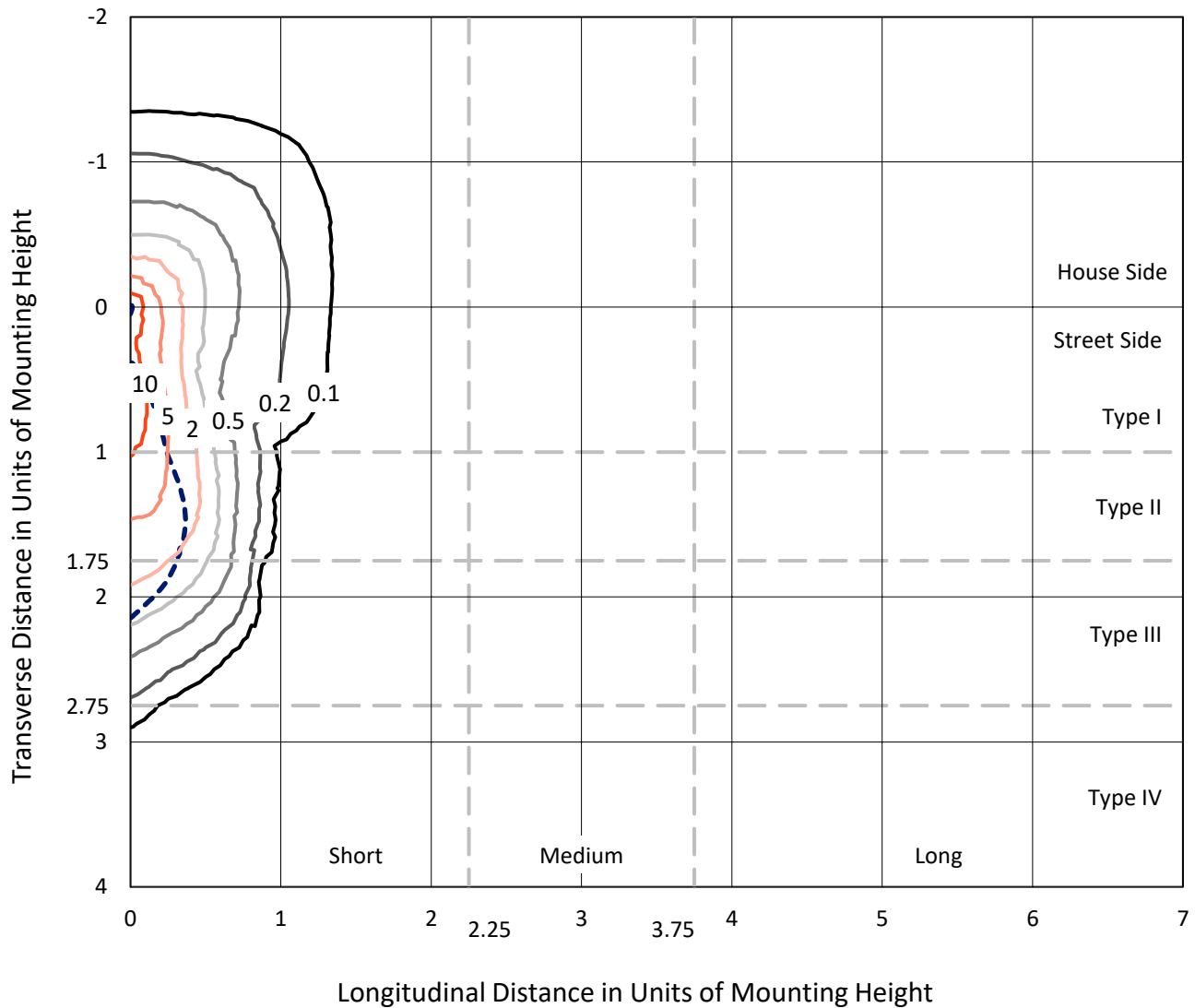


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

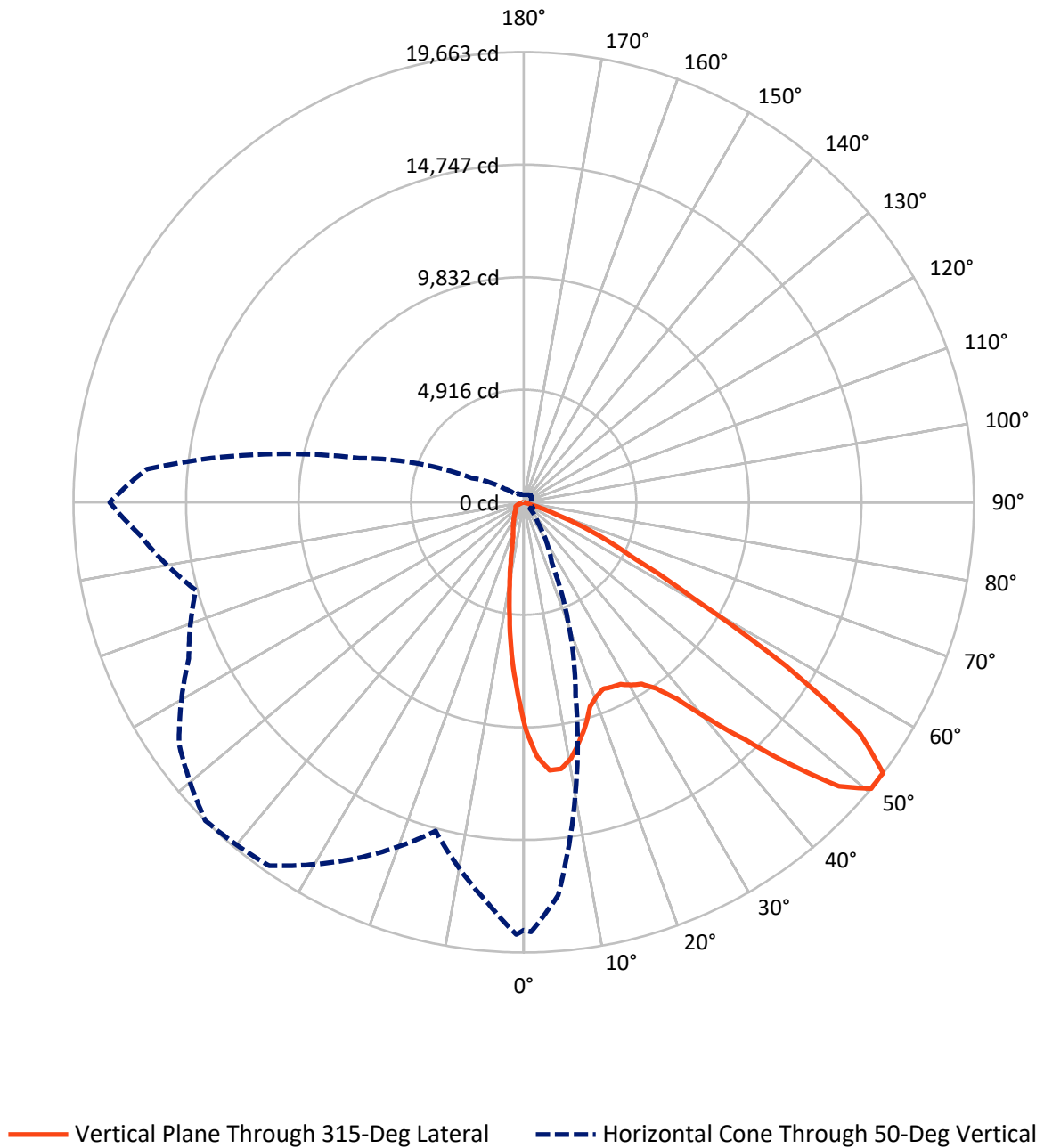


Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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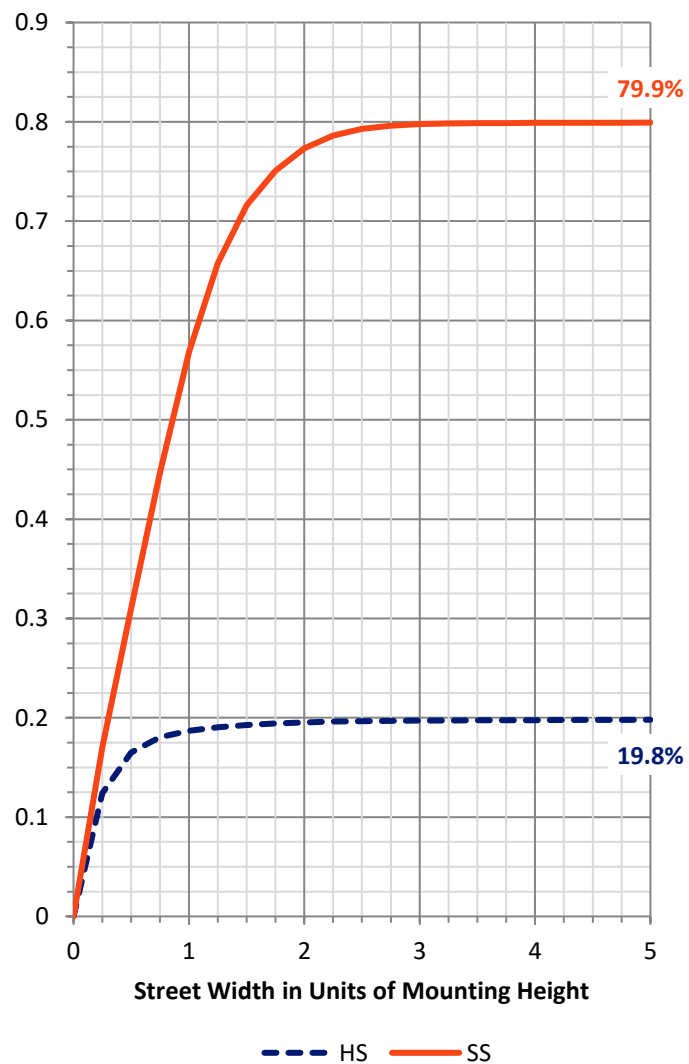
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3906.8	0.0	3906.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	15598.1	0.0	15598.1
	% Fixture	80.0	0.0	80.0
Total	Lumens	19505.0	0.0	19505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.0	3.7
10°-20°	1432.9	7.3
20°-30°	2152.7	11.0
30°-40°	3231.1	16.6
40°-50°	4541.1	23.3
50°-60°	4898.4	25.1
60°-70°	2274.3	11.7
70°-80°	214.0	1.1
80°-90°	39.4	0.2
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°	19505.0	100.0
0°-180°	19505.0	100.0

Coefficient of Utilization



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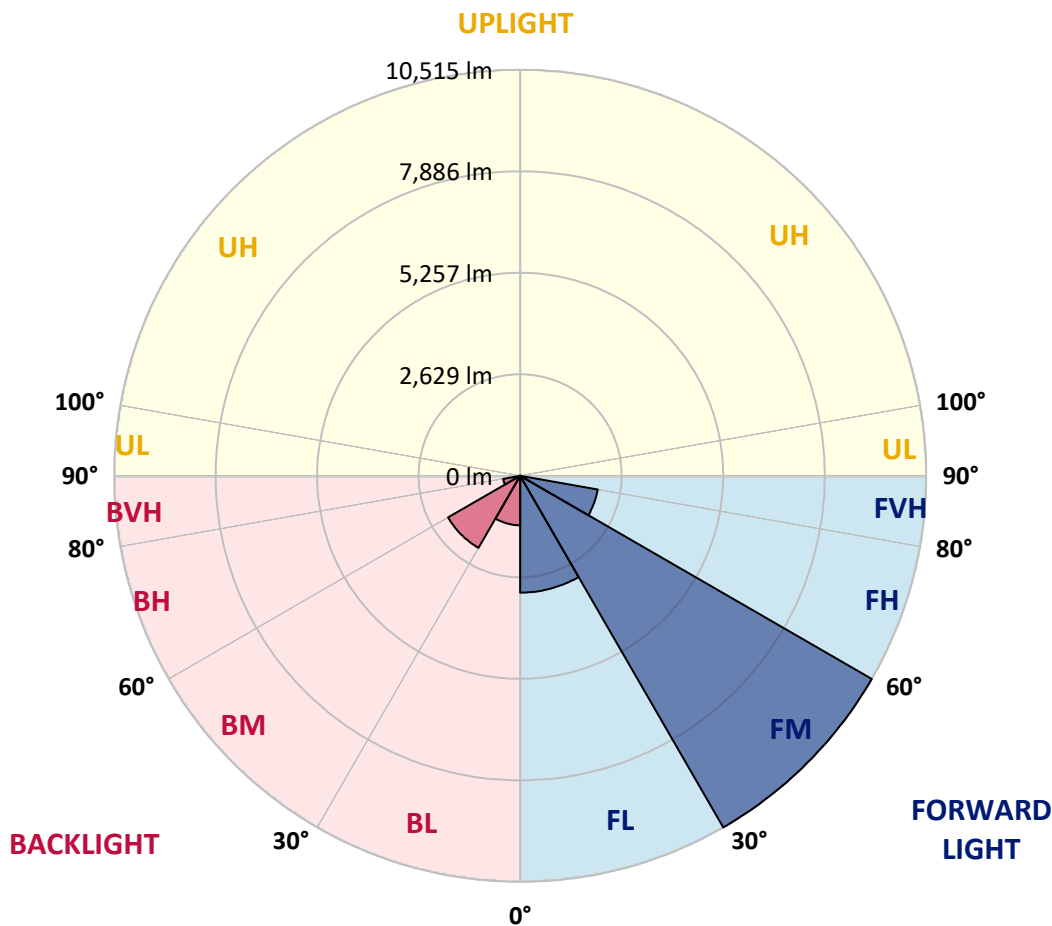
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3026.0	15.5			
FM	(30°-60°)	10514.7	53.9			
FH	(60°-80°)	2039.7	10.5			G2/5000
FVH	(80°-90°)	17.8	0.1			G1/100
BL	(0°-30°)	1280.6	6.6	B3/2500		
BM	(30°-60°)	2156.0	11.1	B2/2500		
BH	(60°-80°)	448.6	2.3	B1/500		G1/500
BVH	(80°-90°)	21.7	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5
2.5°	10282.4	10123.7	9922.5	9756.0	9508.4	9009.2	8873.7	8711.2	8575.7	8393.8	8138.4
5°	9349.7	9299.4	9206.5	8579.6	8126.8	7523.1	7027.8	6818.8	6544.0	6319.6	6157.0
7.5°	8637.6	8436.4	8142.3	7511.5	6787.8	6141.5	5592.0	5270.8	4907.0	4783.2	4562.6
10°	7875.3	7921.7	7488.3	6602.1	5727.5	5205.0	4864.5	4554.9	4225.9	4009.2	3695.8
12.5°	7631.5	7480.5	7147.7	6052.5	5305.6	4818.0	4404.0	4020.8	3672.5	3324.3	3022.4
15°	7790.1	7557.9	7093.5	5936.4	4980.6	4373.0	3854.4	3335.9	3014.7	2569.6	2256.2
17.5°	8359.0	8173.3	7550.2	6060.3	4814.2	3947.3	3177.2	2643.1	2151.7	1749.2	1590.5
20°	9307.1	9044.0	8262.3	6218.9	4566.5	3432.6	2577.4	1919.5	1455.1	1284.8	1195.8
22.5°	10235.9	10092.7	9105.9	6524.7	4345.9	2976.0	1935.0	1292.6	1087.4	1056.5	998.4
25°	12004.5	11574.9	10394.6	7078.1	4175.6	2546.4	1459.0	1041.0	921.0	897.8	905.6
27.5°	13057.1	12697.2	11586.5	7445.7	3986.0	2217.5	1234.5	955.9	874.6	824.3	804.9
30°	14067.1	13649.2	12178.6	7662.4	3579.7	1869.2	1095.2	917.2	897.8	824.3	801.1
32.5°	14845.0	14434.8	13033.9	7987.5	3413.3	1644.7	901.7	715.9	665.6	657.9	727.5
35°	16036.9	15599.6	13765.3	8165.5	3285.6	1528.6	781.7	638.5	580.5	557.3	561.1
37.5°	17147.6	16849.6	14442.5	8235.2	3150.1	1493.8	700.5	572.7	522.4	507.0	503.1
40°	18076.4	17410.7	15084.9	8308.7	3092.1	1428.0	650.1	522.4	487.6	464.4	464.4
42.5°	18502.0	17824.8	15804.7	8266.1	3076.6	1323.5	650.1	479.9	452.8	429.6	425.7
45°	18409.2	18134.4	16125.9	8246.8	3076.6	1219.0	592.1	468.3	429.6	398.6	390.9
47.5°	18649.1	18289.2	16528.4	8328.0	3014.7	1145.5	499.2	491.5	406.3	367.6	359.9
50°	18691.7	18761.3	17228.8	8749.9	2879.2	1052.6	390.9	483.7	390.9	332.8	325.1
52°	18970.3	18536.9	17441.7	8974.3	2736.0	983.0	328.9	414.1	375.4	309.6	301.9
52.5°	18587.2	18869.7	17492.0	9055.6	2751.5	936.5	317.3	406.3	367.6	309.6	290.2
55°	18157.6	18428.5	17286.9	9229.7	2523.2	735.3	247.7	294.1	332.8	270.9	259.3
57.5°	15781.5	16056.3	15023.0	8451.9	2054.9	518.6	205.1	220.6	294.1	251.5	239.9
60°	14028.4	13831.1	12608.2	7051.0	1459.0	290.2	162.5	170.3	321.2	232.2	228.3
62.5°	12821.0	12399.2	10537.8	5445.0	890.1	193.5	127.7	131.6	247.7	216.7	216.7
65°	9485.2	9013.0	7000.7	3293.3	437.3	135.4	96.7	104.5	154.8	185.8	185.8
67.5°	5414.0	5232.1	3382.3	1486.0	181.9	85.1	73.5	81.3	120.0	150.9	143.2
70°	2488.4	2232.9	1300.3	313.5	85.1	58.0	58.0	65.8	96.7	112.2	104.5
72.5°	727.5	688.8	317.3	50.3	34.8	34.8	38.7	50.3	73.5	85.1	77.4
75°	54.2	34.8	23.2	15.5	15.5	23.2	31.0	50.3	73.5	81.3	65.8
77.5°	3.9	7.7	3.9	3.9	11.6	23.2	34.8	61.9	96.7	100.6	73.5
80°	3.9	3.9	0.0	3.9	11.6	23.2	38.7	69.7	108.4	116.1	61.9
82.5°	0.0	0.0	0.0	3.9	15.5	31.0	46.4	73.5	100.6	123.8	65.8
85°	0.0	0.0	0.0	3.9	23.2	42.6	54.2	19.3	11.6	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°	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5
2.5°	8320.3	8219.7	8181.0	8215.8	8204.2	8192.6	8405.4	8359.0	8351.3	8420.9	8405.4
5°	6246.0	6068.0	6555.6	6358.3	6563.4	6687.2	6710.4	6722.0	6865.2	6714.3	6911.7
7.5°	4450.4	4496.8	4493.0	4624.5	4860.6	5069.6	5193.4	5096.7	5088.9	5069.6	4984.4
10°	3556.4	3475.2	3459.7	3428.7	3502.3	3680.3	3831.2	3711.2	3626.1	3742.2	3707.4
12.5°	2906.3	2794.1	2732.2	2608.3	2612.2	2732.2	2732.2	2732.2	2817.3	2883.1	2933.4
15°	2229.1	2136.2	2136.2	2012.4	1985.3	1989.1	2051.1	2058.8	2194.2	2232.9	2252.3
17.5°	1559.6	1509.3	1567.3	1617.6	1586.7	1594.4	1617.6	1625.4	1644.7	1629.2	1667.9
20°	1199.7	1191.9	1207.4	1296.4	1362.2	1400.9	1373.8	1335.1	1311.9	1257.7	1257.7
22.5°	1017.8	1033.3	1060.4	1133.9	1219.0	1242.2	1211.3	1122.3	1052.6	1044.9	1048.7
25°	905.6	921.0	963.6	1010.0	1056.5	1095.2	1064.2	998.4	959.7	924.9	924.9
27.5°	835.9	843.6	866.9	901.7	940.4	971.3	959.7	924.9	882.3	866.9	832.0
30°	781.7	793.3	820.4	828.2	863.0	878.5	859.1	851.4	824.3	804.9	793.3
32.5°	754.6	750.8	770.1	777.9	781.7	793.3	770.1	781.7	777.9	746.9	735.3
35°	568.9	599.8	650.1	692.7	704.3	719.8	715.9	700.5	657.9	623.1	580.5
37.5°	510.8	530.2	557.3	592.1	638.5	657.9	650.1	611.4	561.1	537.9	530.2
40°	472.1	483.7	507.0	530.2	576.6	611.4	584.4	549.5	510.8	491.5	479.9
42.5°	437.3	441.2	452.8	476.0	510.8	565.0	518.6	472.1	456.6	445.0	437.3
45°	398.6	398.6	414.1	425.7	464.4	514.7	468.3	425.7	418.0	410.2	406.3
47.5°	367.6	371.5	379.3	394.7	425.7	460.5	429.6	394.7	375.4	371.5	363.8
50°	328.9	332.8	348.3	363.8	402.5	421.8	402.5	363.8	344.4	332.8	332.8
52°	298.0	309.6	325.1	356.0	383.1	414.1	390.9	348.3	325.1	313.5	305.7
52.5°	294.1	301.9	317.3	352.2	383.1	410.2	387.0	344.4	317.3	309.6	301.9
55°	263.2	274.8	301.9	344.4	379.3	410.2	379.3	340.6	301.9	282.5	274.8
57.5°	251.5	259.3	294.1	348.3	375.4	410.2	379.3	340.6	301.9	267.0	259.3
60°	239.9	255.4	294.1	336.7	371.5	414.1	383.1	336.7	294.1	251.5	251.5
62.5°	228.3	239.9	290.2	328.9	356.0	398.6	367.6	328.9	282.5	239.9	236.1
65°	197.4	216.7	255.4	274.8	305.7	344.4	313.5	286.4	247.7	212.8	209.0
67.5°	150.9	158.7	189.6	212.8	232.2	267.0	251.5	216.7	189.6	162.5	162.5
70°	104.5	112.2	135.4	147.1	166.4	185.8	174.1	147.1	127.7	112.2	108.4
72.5°	73.5	77.4	85.1	92.9	100.6	108.4	104.5	85.1	73.5	69.7	65.8
75°	58.0	65.8	69.7	65.8	61.9	58.0	58.0	50.3	42.6	38.7	38.7
77.5°	58.0	61.9	58.0	50.3	42.6	38.7	34.8	31.0	23.2	19.3	23.2
80°	50.3	50.3	50.3	42.6	38.7	34.8	31.0	27.1	23.2	19.3	19.3
82.5°	54.2	54.2	50.3	42.6	42.6	34.8	34.8	31.0	27.1	19.3	19.3
85°	0.0	0.0	0.0	7.7	19.3	34.8	34.8	31.0	27.1	23.2	23.2
87.5°	0.0	0.0	0.0	0.0	3.9	7.7	15.5	19.3	23.2	23.2	23.2
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°	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5
2.5°	8544.8	8691.8	8970.5	9249.1	9419.4	9620.6	9984.4	10177.9	10429.4	10553.2	10797.1
5°	6884.6	7232.9	7356.7	7674.0	8014.6	8355.1	8896.9	9492.9	9988.2	10328.8	10770.0
7.5°	5023.1	5104.4	5584.3	5797.1	6354.4	6973.6	7712.7	8463.5	9090.4	9647.7	9984.4
10°	3765.4	4063.4	4365.3	4771.6	5220.5	5859.0	6567.2	7395.4	8208.1	8765.3	9191.0
12.5°	3026.3	3262.3	3664.8	4102.1	4655.5	5077.3	5789.4	6609.8	7662.4	8208.1	8769.2
15°	2291.0	2592.8	3049.5	3502.3	4086.6	4531.7	5251.5	6284.7	7639.2	8390.0	8873.7
17.5°	1698.9	1904.0	2314.2	2821.2	3417.1	4044.1	5015.4	6249.9	7898.5	8792.4	9291.7
20°	1300.3	1369.9	1629.2	2082.0	2728.3	3548.7	4632.3	6400.8	8664.7	9771.5	10278.5
22.5°	1052.6	1083.6	1184.2	1497.7	2124.6	3115.3	4450.4	6505.3	9527.7	10944.1	11621.3
25°	917.2	909.4	975.2	1110.7	1660.2	2708.9	4218.2	6900.1	10584.2	12321.8	12929.4
27.5°	835.9	835.9	866.9	963.6	1377.7	2445.8	4071.1	7182.6	11648.4	13533.1	13862.0
30°	793.3	801.1	890.1	921.0	1145.5	2132.3	3827.3	7468.9	12666.2	14307.1	14759.8
32.5°	735.3	704.3	685.0	762.4	963.6	1849.8	3583.5	7588.9	13490.5	15255.2	15642.2
35°	565.0	549.5	572.7	630.8	828.2	1609.9	3312.6	7724.3	14438.6	16354.2	16431.6
37.5°	510.8	507.0	522.4	572.7	696.6	1400.9	3119.1	7689.5	15162.3	17263.7	17054.7
40°	472.1	472.1	483.7	526.3	623.1	1253.9	2917.9	7658.6	15862.8	18285.3	17673.9
42.5°	441.2	441.2	460.5	487.6	592.1	1157.1	2767.0	7616.0	16451.0	18912.3	18037.7
45°	398.6	410.2	441.2	468.3	599.8	1091.3	2654.8	7453.4	16652.2	18904.5	17863.5
47.5°	367.6	383.1	414.1	452.8	541.8	1072.0	2577.4	7310.3	16582.6	18440.1	17317.9
50°	332.8	352.2	394.7	460.5	460.5	1033.3	2496.1	7438.0	16532.3	18080.2	16795.4
52°	309.6	325.1	379.3	448.9	402.5	952.0	2445.8	7685.6	16737.4	18033.8	16563.2
52.5°	305.7	317.3	367.6	441.2	383.1	936.5	2411.0	7743.7	16803.2	17917.7	16721.9
55°	270.9	286.4	336.7	344.4	313.5	770.1	2298.7	7875.3	16478.1	17689.4	16571.0
57.5°	255.4	263.2	298.0	282.5	270.9	580.5	1977.5	7670.2	14636.0	15711.8	15417.7
60°	236.1	243.8	278.6	220.6	228.3	406.3	1486.0	6660.1	11752.9	13091.9	13622.1
62.5°	228.3	224.5	263.2	178.0	193.5	294.1	1048.7	5414.0	9055.6	10777.7	11694.9
65°	201.2	197.4	189.6	150.9	166.4	228.3	626.9	3533.2	6381.5	8153.9	8657.0
67.5°	154.8	162.5	139.3	120.0	139.3	178.0	348.3	1582.8	3347.5	4891.6	5297.9
70°	108.4	116.1	112.2	104.5	123.8	147.1	201.2	541.8	1385.4	2569.6	2832.8
72.5°	65.8	81.3	85.1	89.0	108.4	127.7	143.2	174.1	367.6	909.4	1130.0
75°	38.7	54.2	65.8	77.4	89.0	108.4	120.0	123.8	127.7	170.3	274.8
77.5°	27.1	38.7	58.0	73.5	89.0	108.4	127.7	135.4	127.7	120.0	127.7
80°	23.2	38.7	54.2	69.7	92.9	112.2	127.7	127.7	123.8	108.4	116.1
82.5°	23.2	38.7	58.0	73.5	89.0	108.4	123.8	127.7	116.1	108.4	112.2
85°	27.1	42.6	61.9	77.4	96.7	89.0	81.3	65.8	61.9	50.3	54.2
87.5°	27.1	38.7	38.7	42.6	46.4	46.4	46.4	42.6	34.8	31.0	31.0
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: P530525

CATALOG NUMBER: GLAN-SA5D-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5	9891.5
2.5°	10808.7	11118.3	11106.6	11114.4	11067.9	10754.5	10603.6	10220.4	10328.8	10282.4
5°	11222.7	11528.5	11791.6	11760.7	11404.6	10978.9	10348.1	9752.2	9589.6	9349.7
7.5°	10808.7	11543.9	11787.8	11752.9	11226.6	10681.0	9674.8	9078.8	8796.3	8637.6
10°	10150.8	11002.2	11304.0	11365.9	11009.9	10181.7	9256.8	8301.0	8150.0	7875.3
12.5°	9775.4	10394.6	10580.3	10746.7	10622.9	10003.7	8939.5	8022.3	7813.4	7631.5
15°	9469.7	9837.3	9914.7	10104.3	10177.9	9845.1	9105.9	8324.2	7809.5	7790.1
17.5°	9752.2	9601.3	9318.7	9376.8	9609.0	9848.9	9535.5	8920.1	8420.9	8359.0
20°	10220.4	9554.8	8916.3	9059.5	9253.0	9988.2	10185.6	9752.2	9465.8	9307.1
22.5°	10758.4	9636.1	8788.6	8858.2	9225.9	10301.7	11238.2	10998.3	10464.2	10235.9
25°	11752.9	9860.5	8889.2	8935.6	9438.7	10739.0	12190.2	12368.2	12050.9	12004.5
27.5°	12724.3	10441.0	9109.8	9005.3	9547.1	11164.7	12766.8	13722.7	13165.4	13057.1
30°	13219.6	10913.2	9438.7	9260.7	9996.0	11424.0	13115.1	14605.0	14117.4	14067.1
32.5°	13978.1	11342.7	9694.1	9465.8	10247.5	11745.2	13765.3	15568.7	15096.5	14845.0
35°	14295.5	11811.0	10255.3	9988.2	10967.3	12194.1	14098.1	16427.8	16280.7	16036.9
37.5°	14906.9	12314.1	10917.0	10901.5	11838.1	12778.4	14697.9	17596.5	17569.4	17147.6
40°	14957.2	12863.6	11961.9	12449.5	13184.8	13796.2	15224.2	17921.6	18362.7	18076.4
42.5°	15034.6	13827.2	13769.1	14171.6	14802.4	14670.8	15243.6	17999.0	18672.3	18502.0
45°	15069.4	14790.8	15607.4	16350.4	16613.5	15816.3	15061.7	17851.9	18834.9	18409.2
47.5°	14790.8	15619.0	17093.4	18529.1	18606.5	16520.7	14984.3	17701.0	18931.6	18649.1
50°	14829.5	16137.5	18378.2	19663.0	19380.5	17143.7	14864.3	17608.1	18881.3	18691.7
52°	14736.6	16149.1	18560.1	19639.8	19442.4	16799.3	14659.2	17252.1	18834.9	18970.3
52.5°	14841.1	16079.5	18370.5	19655.3	19399.9	16969.6	14632.1	17449.4	18861.9	18587.2
55°	14481.2	15251.3	17259.8	17805.5	17766.8	15402.2	13800.1	16795.4	18153.8	18157.6
57.5°	13088.0	13219.6	13537.0	13525.3	13347.3	12109.0	11803.2	15444.8	16184.0	15781.5
60°	11532.3	9678.6	8823.4	8475.1	8277.7	8076.5	10441.0	14129.0	14198.7	14028.4
62.5°	9965.0	6710.4	5572.7	5475.9	5522.4	6257.6	10092.7	13606.6	13188.7	12821.0
65°	8041.7	4891.6	4047.9	3920.2	4373.0	5166.3	8169.4	10433.3	9790.9	9485.2
67.5°	5050.2	3568.1	2736.0	2496.1	3041.8	3556.4	5367.6	6555.6	5835.8	5414.0
70°	2995.3	1993.0	1238.4	1110.7	1250.0	1896.3	3006.9	3270.1	2705.1	2488.4
72.5°	1180.3	731.4	344.4	294.1	305.7	665.6	1106.8	1079.7	816.6	727.5
75°	317.3	220.6	120.0	96.7	81.3	123.8	178.0	116.1	42.6	54.2
77.5°	147.1	131.6	104.5	81.3	61.9	46.4	23.2	7.7	7.7	3.9
80°	127.7	112.2	96.7	81.3	61.9	38.7	19.3	3.9	3.9	3.9
82.5°	120.0	104.5	89.0	73.5	58.0	38.7	19.3	3.9	0.0	0.0
85°	50.3	65.8	73.5	69.7	61.9	38.7	19.3	3.9	0.0	0.0
87.5°	27.1	23.2	19.3	15.5	11.6	7.7	7.7	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

(END OF REPORT)