

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: P530523

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5D-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT 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

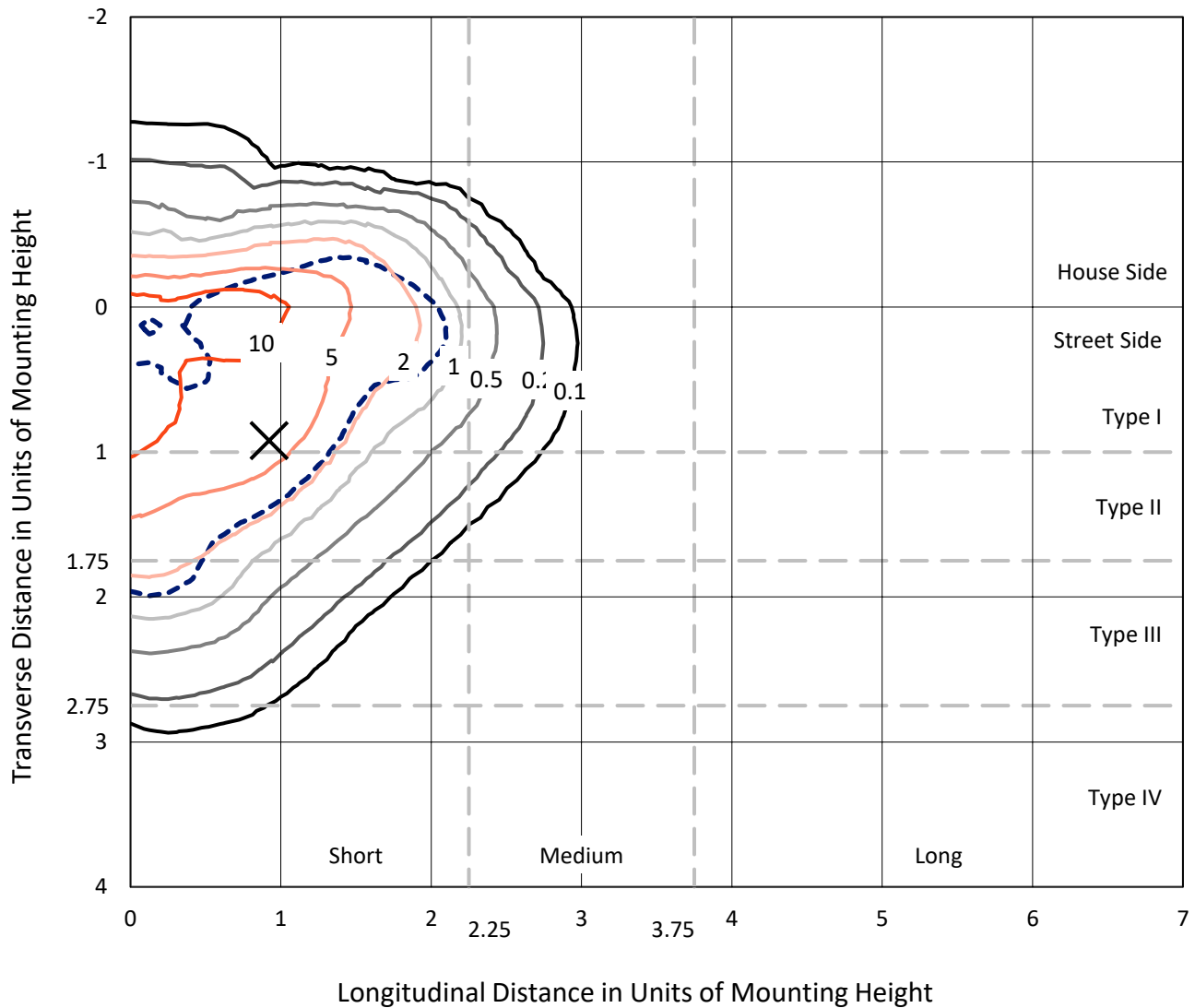


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

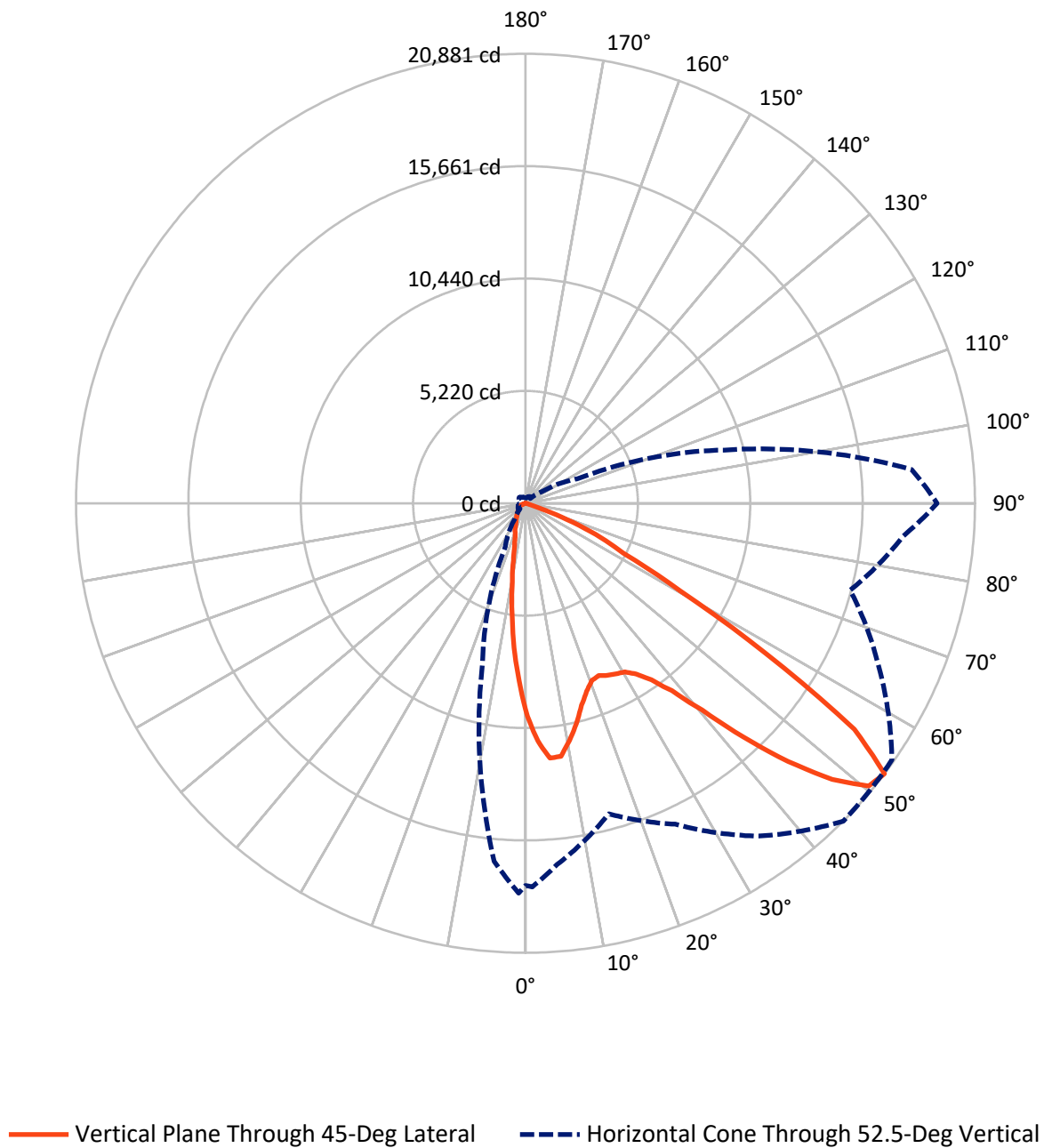


Based on 25 foot mounting height. Maximum calculated value = 17.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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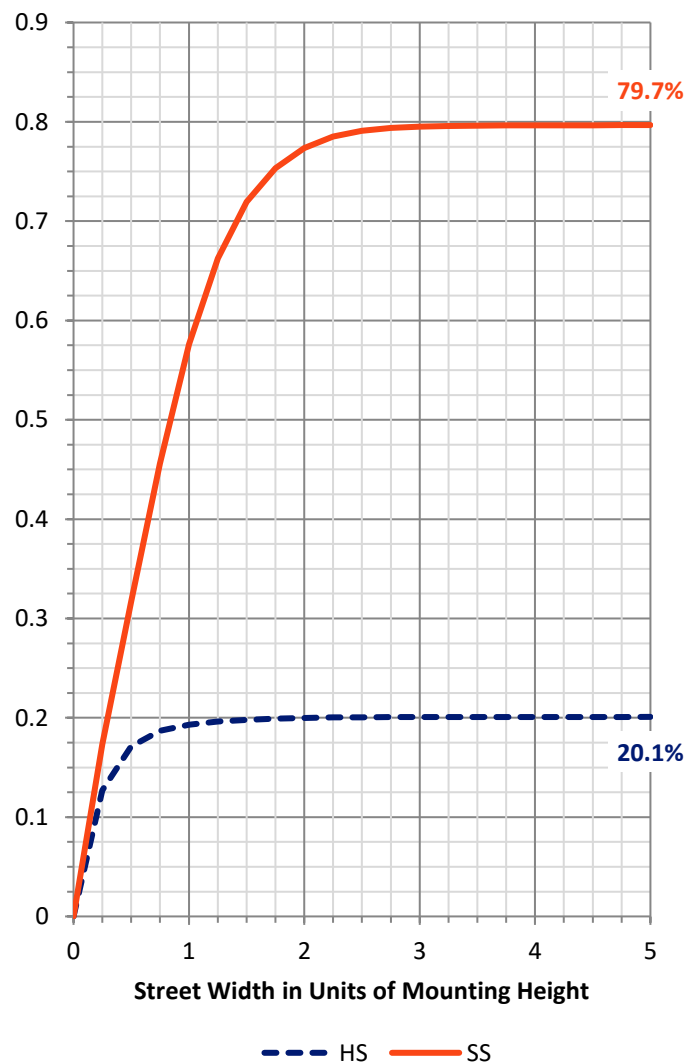
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3958.5	0.0	3958.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	15546.5	0.0	15546.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	19505.0	0.0	19505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.3	3.7
10°-20°	1423.0	7.3
20°-30°	2165.6	11.1
30°-40°	3236.7	16.6
40°-50°	4609.4	23.6
50°-60°	4955.0	25.4
60°-70°	2195.7	11.3
70°-80°	177.6	0.9
80°-90°	20.7	0.1
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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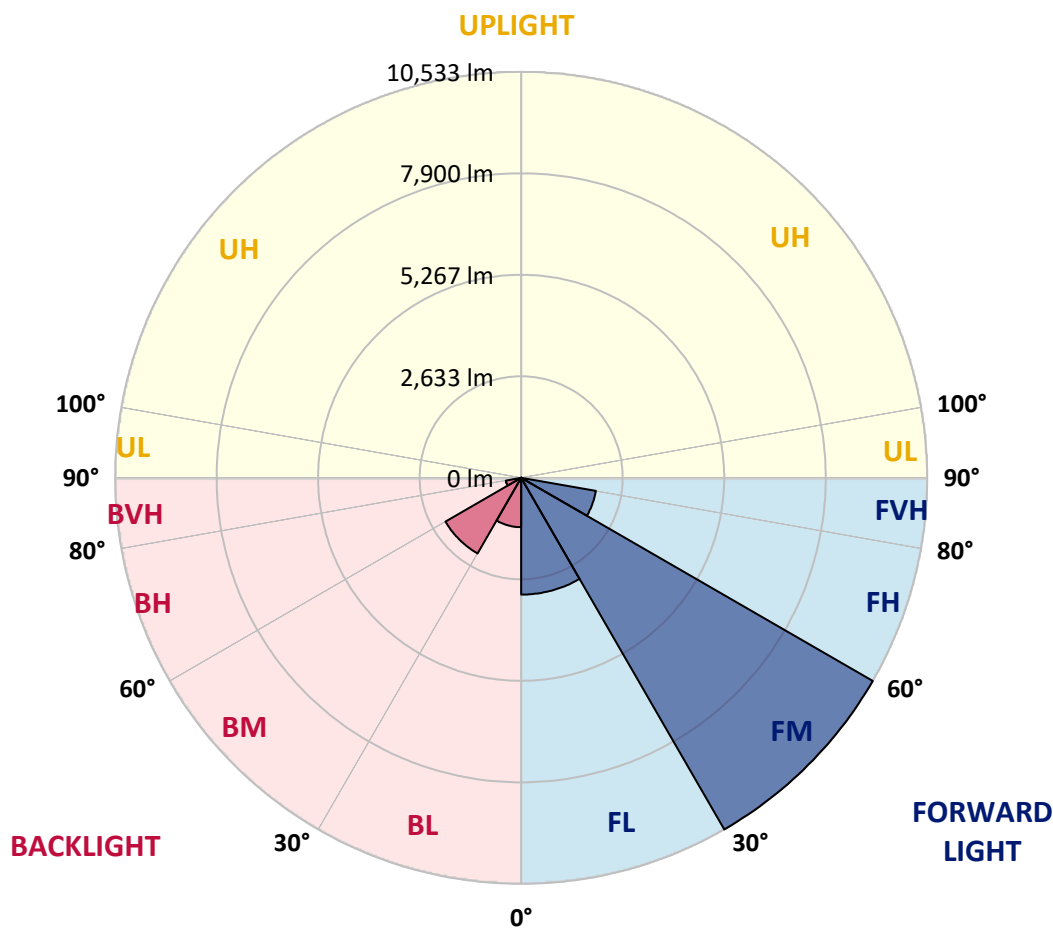
CATALOG NUMBER: GLAN-SA5D-730-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3029.5	15.5			
FM	(30°-60°)	10533.3	54.0			
FH	(60°-80°)	1968.3	10.1			G2/5000
FVH	(80°-90°)	15.3	0.1			G1/100
BL	(0°-30°)	1280.3	6.6	B3/2500		
BM	(30°-60°)	2267.8	11.6	B2/2500		
BH	(60°-80°)	405.0	2.1	B1/500		G1/500
BVH	(80°-90°)	5.4	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9
2.5°	10465.4	10496.1	10664.9	10875.9	10987.1	11240.3	11063.8	11109.9	11014.0	10676.4	10411.7
5°	10147.0	10143.1	10358.0	10879.7	11374.6	11877.1	11892.5	11623.9	11152.1	10634.2	9893.8
7.5°	9187.9	9337.5	9560.0	10392.5	11309.4	11685.3	11865.6	11551.1	10826.0	10085.6	9283.8
10°	8462.8	8539.6	8915.5	9920.6	10592.0	11094.5	11205.8	11025.5	10469.2	9544.7	8647.0
12.5°	8044.7	8083.1	8524.2	9368.2	10077.9	10450.0	10503.7	10588.1	10189.2	9322.2	8244.2
15°	8048.5	8079.2	8673.8	9379.7	9659.8	9560.0	9736.5	9732.7	9905.3	9280.0	8581.8
17.5°	8627.8	8662.3	9199.4	9548.5	9425.8	9191.7	9180.2	9356.7	9721.1	9805.5	9092.0
20°	9625.2	9705.8	10100.9	10081.8	9391.2	8919.4	8788.9	8923.2	9771.0	10250.6	10120.1
22.5°	10967.9	11079.2	11355.4	10826.0	9548.5	8735.2	8693.0	8953.9	10100.9	11244.2	11286.3
25°	12525.5	12713.4	12847.7	12168.7	10108.6	9053.6	8854.1	9303.0	10545.9	12322.1	12771.0
27.5°	13557.4	13753.1	13722.4	12751.8	10484.6	9138.0	8969.2	9387.4	10933.4	12579.2	13545.9
30°	14363.0	14482.0	14696.8	13066.4	10860.5	9375.9	9088.2	9744.2	11060.0	13024.2	14482.0
32.5°	15302.9	15383.5	15398.8	13622.6	11439.8	9675.1	9456.4	10189.2	11620.1	13450.0	15310.6
35°	16250.5	16369.4	16120.1	14309.3	11796.6	10231.4	10070.2	10960.3	12069.0	13891.2	16223.6
37.5°	17278.6	17340.0	16764.6	14593.2	12306.8	11136.7	11048.5	11792.7	12847.7	14689.1	17236.4
40°	18141.8	18199.3	17451.3	14942.3	12843.9	12402.7	12629.0	13381.0	13906.5	15207.0	17742.8
42.5°	18621.3	18755.6	17681.4	14750.5	13921.9	13837.5	14842.6	15107.3	15134.1	15352.8	18195.5
45°	18751.8	18690.4	17301.6	14907.8	14865.6	16196.8	17109.8	17458.9	16354.1	15621.4	18310.6
47.5°	18149.5	18230.0	16741.5	14769.7	16104.7	17984.5	19166.1	19814.4	17263.3	15387.3	18026.7
50°	17662.3	17558.7	16561.2	14670.0	16438.5	18828.5	20650.7	20796.5	18099.6	15675.1	17716.0
52.5°	17758.2	17823.4	16849.0	14934.7	16446.2	18878.4	20880.9	20781.2	18126.4	15609.8	17604.7
55°	17961.5	17673.8	16726.2	14351.5	15345.1	17485.8	18533.1	18379.6	16730.0	14915.5	17332.3
57.5°	15498.6	15943.6	15379.7	12813.2	12594.5	13173.8	13154.6	13626.5	12479.4	12836.2	15778.6
60°	12579.2	12655.9	12866.9	10960.3	8716.0	8516.6	8240.3	7941.1	8397.6	10975.6	14351.5
62.5°	11063.8	10971.8	11723.7	9970.5	6153.4	5152.1	5106.1	5290.2	6479.5	10469.2	13461.5
65°	8040.9	8155.9	8700.7	7737.8	4618.9	3932.2	3863.1	4407.9	5244.2	8390.0	10273.6
67.5°	4910.4	5132.9	5182.8	4772.3	3134.2	2489.7	2390.0	2884.9	3786.4	5428.3	6023.0
70°	2267.2	2535.8	2789.0	2604.8	1814.6	1024.3	966.7	1212.3	1910.5	3122.7	3195.6
72.5°	686.7	690.5	966.7	1008.9	587.0	230.2	203.3	268.5	648.3	1032.0	1085.7
75°	49.9	53.7	130.4	149.6	111.3	57.5	61.4	72.9	138.1	230.2	172.6
77.5°	3.8	3.8	3.8	19.2	34.5	38.4	49.9	57.5	72.9	84.4	76.7
80°	3.8	0.0	3.8	15.3	26.9	38.4	46.0	53.7	57.5	65.2	57.5
82.5°	0.0	0.0	0.0	11.5	26.9	38.4	42.2	57.5	65.2	76.7	65.2
85°	0.0	0.0	0.0	11.5	26.9	42.2	38.4	19.2	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9
2.5°	10457.7	10308.1	9966.7	9794.0	9387.4	9329.8	8930.9	8865.7	8731.4	8658.5	8482.0
5°	9567.7	9387.4	8831.1	8363.1	7818.3	7438.6	7147.0	6882.3	6728.8	6586.9	6652.1
7.5°	8842.6	8317.1	7699.4	6916.8	6287.7	5881.0	5436.0	5071.6	4856.7	4711.0	4745.5
10°	8083.1	7741.6	6882.3	6003.8	5244.2	4956.5	4607.4	4327.3	4024.3	3763.4	3640.6
12.5°	7845.2	7338.8	6260.8	5367.0	4791.5	4511.5	4112.5	3790.2	3402.8	3084.4	2973.1
15°	7887.4	7400.2	6092.0	5136.8	4457.8	3974.4	3498.7	3099.7	2673.9	2451.4	2336.3
17.5°	8574.1	7730.1	6203.3	4895.1	3993.6	3322.2	2735.3	2228.9	1910.5	1680.3	1630.4
20°	9418.1	8443.7	6441.1	4718.6	3613.8	2643.2	1998.7	1561.4	1296.7	1258.3	1246.8
22.5°	10653.4	9609.9	6951.3	4599.7	3149.6	2060.1	1369.6	1135.5	1062.7	1055.0	1058.8
25°	12379.7	11071.5	7507.6	4500.0	2800.5	1588.2	1120.2	962.9	939.9	928.4	947.6
27.5°	13127.8	11953.9	7803.0	4285.1	2482.1	1430.9	1104.8	955.2	890.0	870.8	882.3
30°	14052.3	12540.8	8267.2	3916.8	2014.0	1177.7	1032.0	1039.6	1008.9	913.0	882.3
32.5°	15279.9	13273.5	8501.2	3656.0	1799.2	974.4	755.7	694.4	774.9	790.3	817.1
35°	16066.4	14017.8	8620.1	3502.5	1688.0	832.5	640.7	583.1	563.9	567.8	583.1
37.5°	17528.0	15022.9	8769.7	3341.4	1603.6	725.1	579.3	525.6	498.7	498.7	514.1
40°	18402.7	15820.8	8973.1	3253.2	1519.2	659.8	525.6	479.5	456.5	456.5	464.2
42.5°	18621.3	16216.0	8904.0	3222.5	1423.3	644.5	479.5	445.0	418.2	414.3	410.5
45°	19012.6	16818.3	8915.5	3188.0	1323.5	587.0	452.7	414.3	376.0	372.1	368.3
47.5°	19442.3	17251.8	8938.5	3053.7	1227.6	491.0	471.9	383.6	337.6	329.9	329.9
50°	19074.0	17597.0	9138.0	2919.4	1104.8	399.0	464.2	360.6	299.2	287.7	291.6
52.5°	19120.0	18003.7	9560.0	2731.4	951.4	318.4	376.0	341.4	272.4	253.2	257.0
55°	18383.5	17574.0	9617.6	2531.9	744.2	245.5	287.7	299.2	230.2	222.5	222.5
57.5°	15824.7	14880.9	8485.9	2052.4	491.0	203.3	207.2	260.9	199.5	191.8	195.7
60°	13542.1	11946.2	6828.6	1354.2	306.9	161.1	149.6	264.7	176.5	172.6	184.1
62.5°	12345.2	9817.1	5179.0	840.1	211.0	122.8	103.6	214.8	153.5	153.5	168.8
65°	8919.4	6594.6	3011.5	441.2	149.6	95.9	76.7	122.8	126.6	130.4	138.1
67.5°	5524.2	3329.9	1269.8	214.8	99.7	65.2	49.9	76.7	84.4	84.4	92.1
70°	2727.6	1327.4	422.0	122.8	76.7	53.7	34.5	42.2	42.2	38.4	42.2
72.5°	844.0	399.0	107.4	76.7	53.7	34.5	19.2	15.3	7.7	0.0	3.8
75°	95.9	76.7	69.1	53.7	34.5	15.3	3.8	0.0	0.0	0.0	0.0
77.5°	57.5	65.2	65.2	53.7	34.5	11.5	0.0	0.0	0.0	0.0	0.0
80°	46.0	49.9	53.7	49.9	30.7	15.3	0.0	0.0	0.0	0.0	0.0
82.5°	57.5	65.2	72.9	65.2	42.2	19.2	7.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	11.5	3.8	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°	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9
2.5°	8409.1	8324.7	8443.7	8267.2	8263.4	8267.2	8217.3	8171.3	8244.2	8439.8	8459.0
5°	6418.1	6598.4	6656.0	6843.9	6740.4	6586.9	6617.6	6514.0	6767.2	6878.5	6790.2
7.5°	4672.6	4661.1	5048.6	5071.6	5121.4	5125.3	5117.6	4914.3	4707.1	4753.2	4891.3
10°	3625.3	3429.6	3617.6	3598.4	3721.2	3686.7	3736.5	3517.9	3590.8	3590.8	3679.0
12.5°	2953.9	2746.8	2712.3	2662.4	2712.3	2731.4	2750.6	2708.4	2831.2	2888.7	2950.1
15°	2255.7	2140.6	2110.0	2014.0	2029.4	2083.1	2129.1	2148.3	2110.0	2198.2	2205.9
17.5°	1638.1	1634.3	1653.4	1649.6	1634.3	1622.7	1618.9	1569.0	1553.7	1561.4	1592.1
20°	1243.0	1273.6	1338.9	1404.1	1438.6	1396.4	1338.9	1254.5	1219.9	1227.6	1231.4
22.5°	1062.7	1108.7	1196.9	1269.8	1304.3	1227.6	1124.0	1051.1	1035.8	1032.0	1028.1
25°	962.9	1016.6	1081.8	1104.8	1101.0	1055.0	978.3	947.6	939.9	932.2	897.7
27.5°	909.2	928.4	939.9	966.7	978.3	947.6	928.4	882.3	874.7	874.7	851.7
30°	878.5	867.0	882.3	863.2	878.5	855.5	859.3	859.3	840.1	847.8	847.8
32.5°	817.1	821.0	821.0	782.6	794.1	767.3	794.1	817.1	821.0	824.8	855.5
35°	598.5	667.5	702.0	702.0	713.5	694.4	690.5	663.7	629.2	594.6	579.3
37.5°	525.6	552.4	598.5	625.3	644.5	629.2	594.6	552.4	533.2	517.9	502.6
40°	468.0	491.0	521.7	552.4	590.8	571.6	517.9	498.7	475.7	475.7	460.4
42.5°	422.0	433.5	452.7	498.7	540.9	502.6	464.2	448.8	437.3	433.5	429.7
45°	379.8	383.6	402.8	441.2	491.0	452.7	414.3	395.1	399.0	402.8	399.0
47.5°	341.4	349.1	360.6	406.6	437.3	418.2	376.0	364.4	364.4	364.4	368.3
50°	295.4	314.6	337.6	376.0	399.0	387.5	352.9	337.6	329.9	329.9	333.8
52.5°	264.7	280.0	310.7	356.8	387.5	368.3	333.8	310.7	295.4	291.6	299.2
55°	230.2	257.0	306.9	341.4	383.6	364.4	326.1	299.2	272.4	268.5	268.5
57.5°	207.2	249.4	295.4	337.6	372.1	356.8	326.1	291.6	257.0	253.2	253.2
60°	195.7	241.7	287.7	326.1	372.1	349.1	322.2	283.9	245.5	245.5	241.7
62.5°	184.1	226.3	272.4	310.7	356.8	337.6	310.7	272.4	234.0	234.0	226.3
65°	153.5	195.7	226.3	260.9	310.7	291.6	264.7	237.8	207.2	199.5	203.3
67.5°	107.4	134.3	165.0	199.5	230.2	222.5	211.0	191.8	165.0	161.1	157.3
70°	53.7	72.9	99.7	134.3	161.1	153.5	145.8	130.4	115.1	111.3	111.3
72.5°	7.7	23.0	42.2	61.4	84.4	88.2	84.4	80.6	76.7	72.9	76.7
75°	0.0	0.0	0.0	15.3	34.5	42.2	49.9	57.5	57.5	49.9	61.4
77.5°	0.0	0.0	0.0	0.0	3.8	19.2	38.4	49.9	61.4	53.7	72.9
80°	0.0	0.0	0.0	0.0	3.8	23.0	38.4	53.7	61.4	53.7	76.7
82.5°	0.0	0.0	0.0	0.0	3.8	26.9	38.4	49.9	57.5	53.7	69.1
85°	0.0	0.0	0.0	0.0	11.5	23.0	15.3	7.7	3.8	3.8	11.5
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: P530523

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9	9889.9
2.5°	8566.4	8838.8	9130.4	9241.6	9586.9	9847.7	10024.2	10404.0	10461.5	10465.4
5°	6882.3	7020.4	7519.1	7753.1	8267.2	8666.2	9092.0	9705.8	10116.3	10147.0
7.5°	4891.3	5274.9	5485.9	6095.9	6728.8	7354.2	7987.1	8700.7	9176.4	9187.9
10°	3936.0	4185.4	4561.3	5017.9	5551.1	6187.9	7031.9	7860.5	8343.9	8462.8
12.5°	3168.8	3606.1	4035.8	4507.6	4914.3	5393.8	6303.0	7407.9	7806.8	8044.7
15°	2439.9	2838.9	3345.2	3897.7	4358.0	4998.7	6034.5	7296.6	7968.0	8048.5
17.5°	1799.2	2156.0	2624.0	3145.8	3836.3	4745.5	6080.5	7860.5	8493.5	8627.8
20°	1292.8	1500.0	1868.3	2474.4	3352.9	4450.1	6126.5	8432.2	9395.1	9625.2
22.5°	1024.3	1108.7	1350.4	1887.5	2812.0	4139.4	6452.6	9525.5	10634.2	10967.9
25°	890.0	936.1	1051.1	1488.5	2470.6	4108.7	6974.4	10837.5	12283.8	12525.5
27.5°	859.3	867.0	966.7	1365.7	2286.4	3905.3	7173.9	11769.7	13311.9	13557.4
30°	905.4	1028.1	1035.8	1154.7	1945.0	3502.5	7277.4	12671.2	14182.7	14363.0
32.5°	782.6	744.2	771.1	893.9	1711.0	3268.5	7473.1	13457.7	15176.3	15302.9
35°	544.8	571.6	633.0	774.9	1496.2	3023.0	7523.0	14324.7	16120.1	16250.5
37.5°	502.6	517.9	567.8	659.8	1315.8	2884.9	7453.9	14957.7	17098.3	17278.6
40°	468.0	487.2	514.1	598.5	1181.6	2731.4	7358.0	15529.3	17696.8	18141.8
42.5°	441.2	456.5	479.5	571.6	1066.5	2578.0	7223.7	16334.9	18233.9	18621.3
45°	410.5	433.5	460.4	556.3	1001.3	2474.4	7124.0	16285.0	18544.6	18751.8
47.5°	379.8	418.2	448.8	517.9	982.1	2424.5	7166.2	16097.1	18291.4	18149.5
50°	349.1	399.0	452.7	429.7	936.1	2324.8	7216.1	16354.1	17689.1	17662.3
52.5°	322.2	379.8	422.0	352.9	832.5	2228.9	7699.4	16691.7	18114.9	17758.2
55°	283.9	341.4	337.6	283.9	675.2	2156.0	8079.2	16699.3	17827.2	17961.5
57.5°	257.0	303.1	264.7	237.8	498.7	1803.1	7461.6	14002.4	15260.7	15498.6
60°	237.8	295.4	199.5	188.0	326.1	1300.5	6514.0	10845.2	12130.3	12579.2
62.5°	218.7	280.0	157.3	153.5	226.3	924.5	5355.5	9076.6	10453.9	11063.8
65°	191.8	199.5	126.6	118.9	161.1	498.7	3260.8	6249.3	7814.5	8040.9
67.5°	157.3	153.5	103.6	95.9	107.4	241.7	1438.6	3130.4	4530.7	4910.4
70°	126.6	126.6	88.2	76.7	76.7	111.3	376.0	1246.8	2048.6	2267.2
72.5°	92.1	95.9	69.1	61.4	57.5	53.7	61.4	249.4	537.1	686.7
75°	80.6	84.4	69.1	53.7	42.2	34.5	26.9	23.0	30.7	49.9
77.5°	88.2	88.2	72.9	49.9	38.4	26.9	15.3	7.7	7.7	3.8
80°	111.3	115.1	95.9	65.2	46.0	30.7	19.2	7.7	3.8	3.8
82.5°	118.9	130.4	107.4	80.6	57.5	34.5	19.2	3.8	0.0	0.0
85°	30.7	49.9	84.4	72.9	57.5	34.5	19.2	3.8	0.0	0.0
87.5°	0.0	3.8	11.5	11.5	15.3	15.3	11.5	3.8	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)