

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: P527717

Luminaire Tested: **GLAN-SA2D-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527717
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-SA2D-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 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: 7832 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 125
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

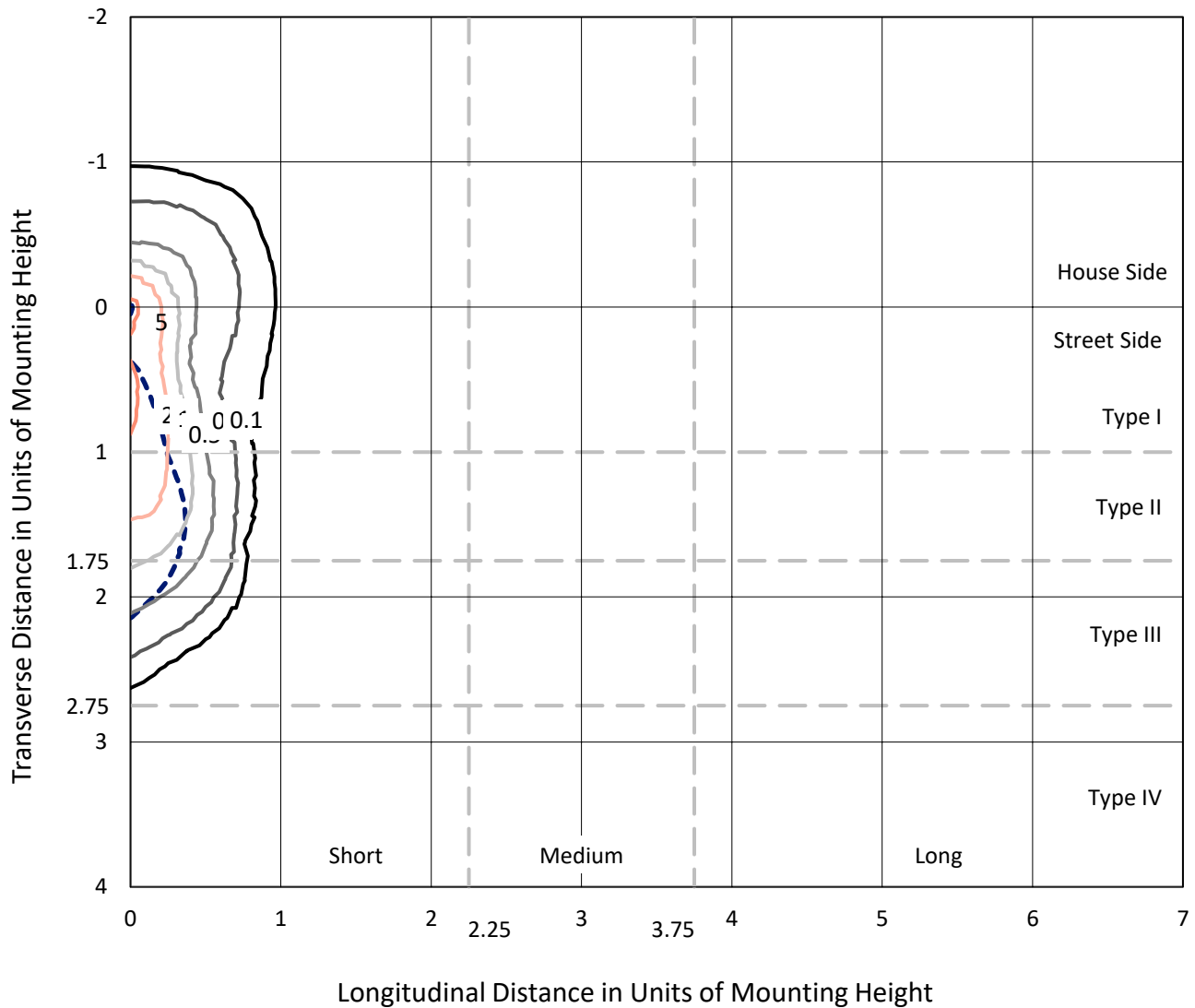


REPORT NUMBER: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

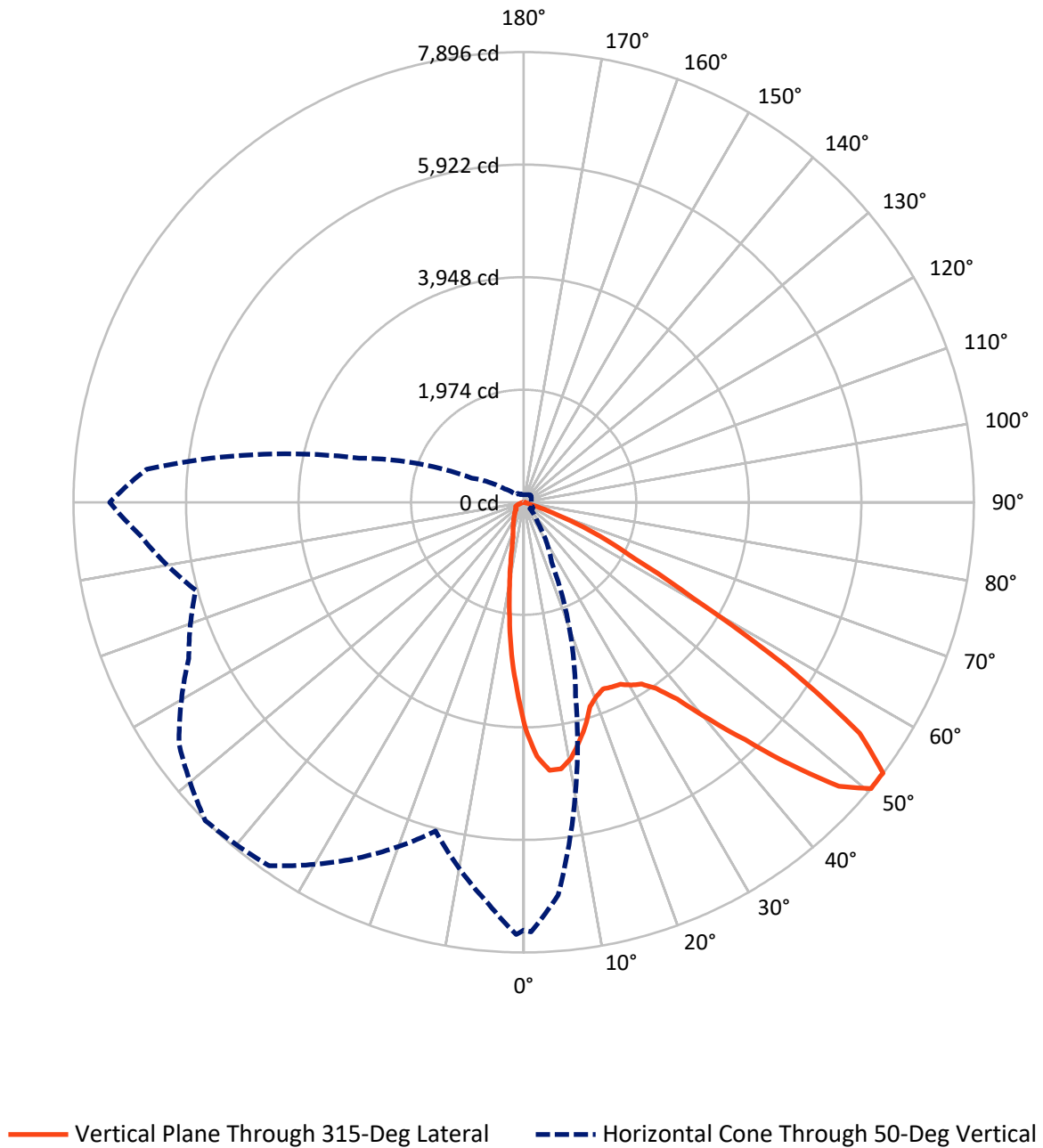


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

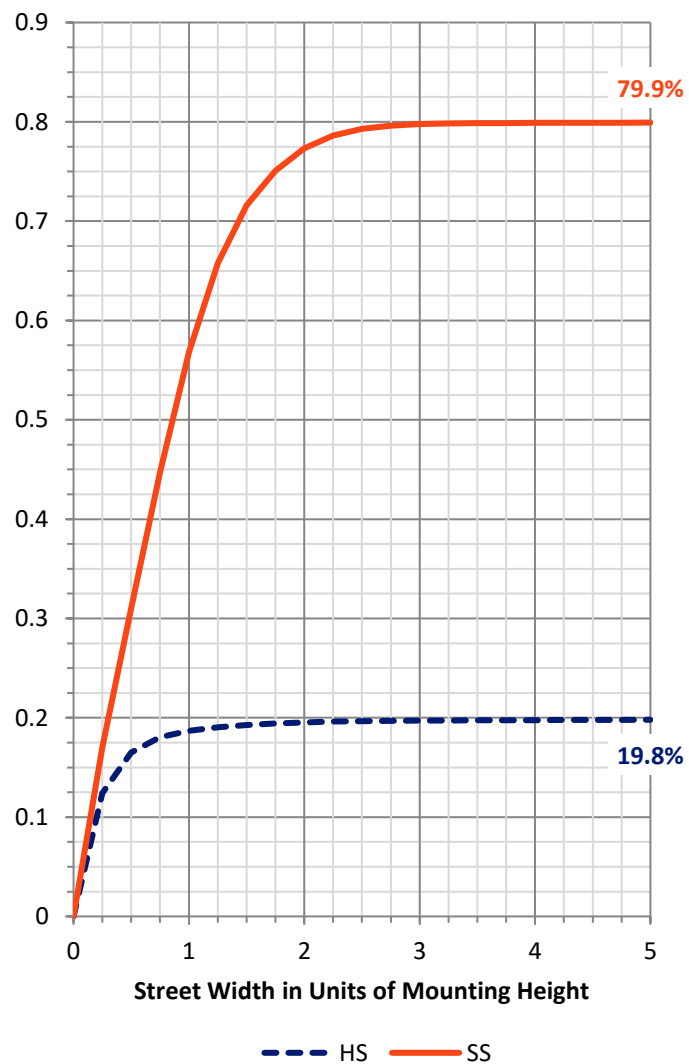
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1568.7	0.0	1568.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	6263.3	0.0	6263.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	7832.0	0.0	7832.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	3.7
10°-20°	575.4	7.3
20°-30°	864.4	11.0
30°-40°	1297.4	16.6
40°-50°	1823.4	23.3
50°-60°	1966.9	25.1
60°-70°	913.2	11.7
70°-80°	85.9	1.1
80°-90°	15.8	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°	7832.0	100.0
0°-180°	7832.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527717

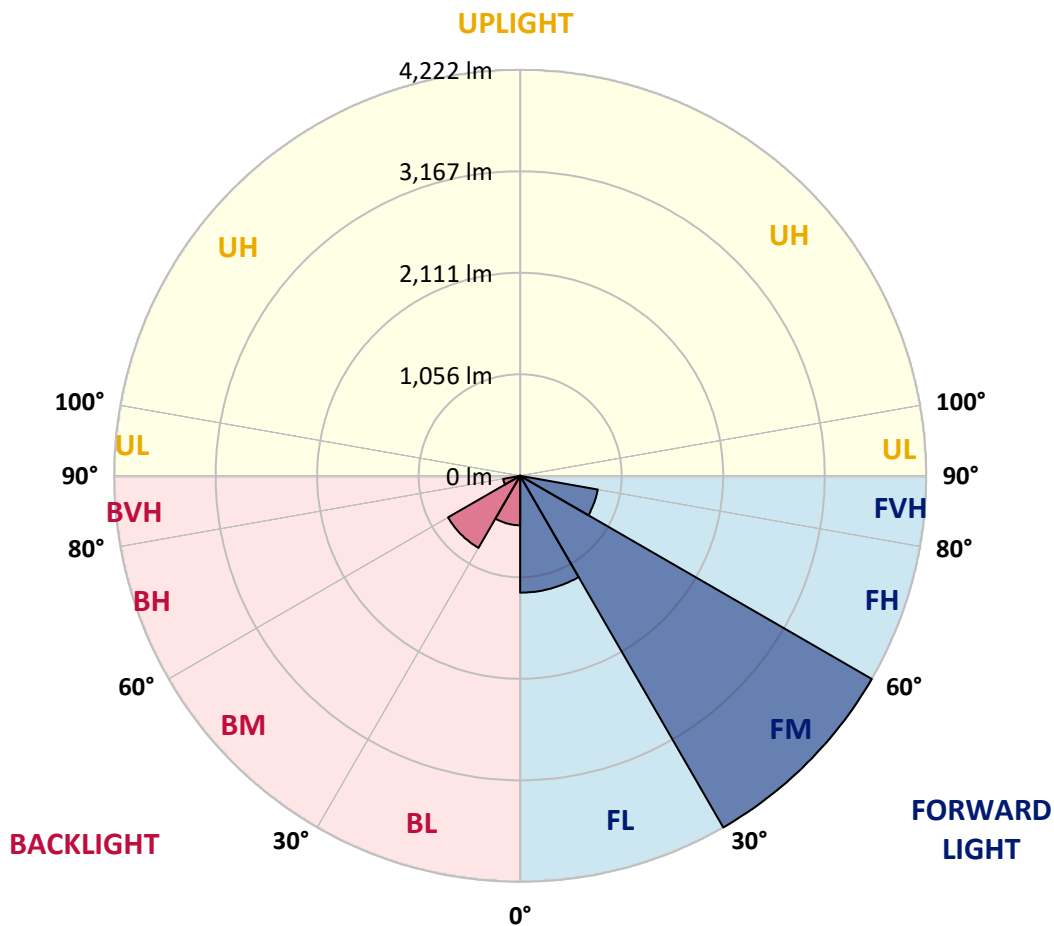
CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1215.1	15.5			
FM	(30°-60°)	4222.0	53.9			
FH	(60°-80°)	819.0	10.5			G1/1800
FVH	(80°-90°)	7.1	0.1			G0/10
BL	(0°-30°)	514.2	6.6	B2/1000		
BM	(30°-60°)	865.7	11.1	B1/1000		
BH	(60°-80°)	180.1	2.3	B1/500		G1/500
BVH	(80°-90°)	8.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short



REPORT NUMBER: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8
2.5°	4128.8	4065.0	3984.2	3917.4	3818.0	3617.5	3563.1	3497.9	3443.5	3370.4	3267.9
5°	3754.3	3734.1	3696.8	3445.0	3263.2	3020.8	2821.9	2738.0	2627.7	2537.5	2472.3
7.5°	3468.3	3387.5	3269.4	3016.2	2725.6	2466.1	2245.4	2116.4	1970.4	1920.6	1832.1
10°	3162.2	3180.9	3006.8	2651.0	2299.8	2090.0	1953.3	1829.0	1696.9	1609.9	1484.0
12.5°	3064.3	3003.7	2870.1	2430.3	2130.4	1934.6	1768.4	1614.5	1474.7	1334.8	1213.6
15°	3128.0	3034.8	2848.3	2383.7	1999.9	1755.9	1547.7	1339.5	1210.5	1031.8	905.9
17.5°	3356.5	3281.9	3031.7	2433.4	1933.1	1585.0	1275.8	1061.3	864.0	702.4	638.7
20°	3737.2	3631.5	3317.6	2497.1	1833.6	1378.3	1034.9	770.7	584.3	515.9	480.2
22.5°	4110.1	4052.6	3656.4	2619.9	1745.0	1195.0	777.0	519.0	436.7	424.2	400.9
25°	4820.2	4647.8	4173.8	2842.1	1676.7	1022.5	585.8	418.0	369.8	360.5	363.6
27.5°	5242.9	5098.4	4652.4	2989.7	1600.5	890.4	495.7	383.8	351.2	331.0	323.2
30°	5648.5	5480.7	4890.2	3076.8	1437.4	750.5	439.8	368.3	360.5	331.0	321.7
32.5°	5960.8	5796.1	5233.6	3207.3	1370.6	660.4	362.1	287.5	267.3	264.2	292.1
35°	6439.4	6263.8	5527.3	3278.8	1319.3	613.8	313.9	256.4	233.1	223.8	225.3
37.5°	6885.4	6765.8	5799.2	3306.7	1264.9	599.8	281.3	230.0	209.8	203.6	202.0
40°	7258.3	6991.1	6057.2	3336.3	1241.6	573.4	261.1	209.8	195.8	186.5	186.5
42.5°	7429.3	7157.3	6346.2	3319.2	1235.4	531.4	261.1	192.7	181.8	172.5	170.9
45°	7392.0	7281.7	6475.2	3311.4	1235.4	489.5	237.7	188.0	172.5	160.1	156.9
47.5°	7488.3	7343.8	6636.8	3344.0	1210.5	460.0	200.5	197.3	163.2	147.6	144.5
50°	7505.4	7533.4	6918.0	3513.4	1156.1	422.7	156.9	194.2	156.9	133.6	130.5
52°	7617.3	7443.3	7003.5	3603.5	1098.6	394.7	132.1	166.3	150.7	124.3	121.2
52.5°	7463.5	7576.9	7023.7	3636.2	1104.8	376.0	127.4	163.2	147.6	124.3	116.5
55°	7291.0	7399.8	6941.3	3706.1	1013.2	295.2	99.5	118.1	133.6	108.8	104.1
57.5°	6336.9	6447.2	6032.3	3393.8	825.1	208.2	82.4	88.6	118.1	101.0	96.3
60°	5632.9	5553.7	5062.7	2831.2	585.8	116.5	65.3	68.4	129.0	93.2	91.7
62.5°	5148.1	4978.7	4231.3	2186.4	357.4	77.7	51.3	52.8	99.5	87.0	87.0
65°	3808.6	3619.1	2811.0	1322.4	175.6	54.4	38.8	42.0	62.2	74.6	74.6
67.5°	2173.9	2100.9	1358.1	596.7	73.0	34.2	29.5	32.6	48.2	60.6	57.5
70°	999.2	896.6	522.1	125.9	34.2	23.3	23.3	26.4	38.8	45.1	42.0
72.5°	292.1	276.6	127.4	20.2	14.0	14.0	15.5	20.2	29.5	34.2	31.1
75°	21.8	14.0	9.3	6.2	6.2	9.3	12.4	20.2	29.5	32.6	26.4
77.5°	1.6	3.1	1.6	1.6	4.7	9.3	14.0	24.9	38.8	40.4	29.5
80°	1.6	1.6	0.0	1.6	4.7	9.3	15.5	28.0	43.5	46.6	24.9
82.5°	0.0	0.0	0.0	1.6	6.2	12.4	18.6	29.5	40.4	49.7	26.4
85°	0.0	0.0	0.0	1.6	9.3	17.1	21.8	7.8	4.7	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: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8
2.5°	3340.9	3300.5	3285.0	3299.0	3294.3	3289.6	3375.1	3356.5	3353.4	3381.3	3375.1
5°	2508.0	2436.5	2632.3	2553.1	2635.4	2685.2	2694.5	2699.2	2756.6	2696.0	2775.3
7.5°	1787.0	1805.7	1804.1	1856.9	1951.7	2035.6	2085.4	2046.5	2043.4	2035.6	2001.4
10°	1428.0	1395.4	1389.2	1376.8	1406.3	1477.8	1538.4	1490.2	1456.0	1502.6	1488.7
12.5°	1167.0	1121.9	1097.1	1047.3	1048.9	1097.1	1097.1	1097.1	1131.3	1157.7	1177.9
15°	895.1	857.8	857.8	808.0	797.2	798.7	823.6	826.7	881.1	896.6	904.4
17.5°	626.2	606.0	629.3	649.5	637.1	640.2	649.5	652.6	660.4	654.2	669.7
20°	481.7	478.6	484.8	520.6	547.0	562.5	551.6	536.1	526.8	505.0	505.0
22.5°	408.7	414.9	425.8	455.3	489.5	498.8	486.4	450.6	422.7	419.6	421.1
25°	363.6	369.8	386.9	405.6	424.2	439.8	427.3	400.9	385.4	371.4	371.4
27.5°	335.6	338.8	348.1	362.1	377.6	390.0	385.4	371.4	354.3	348.1	334.1
30°	313.9	318.6	329.4	332.5	346.5	352.7	345.0	341.9	331.0	323.2	318.6
32.5°	303.0	301.5	309.2	312.3	313.9	318.6	309.2	313.9	312.3	299.9	295.2
35°	228.4	240.9	261.1	278.2	282.8	289.0	287.5	281.3	264.2	250.2	233.1
37.5°	205.1	212.9	223.8	237.7	256.4	264.2	261.1	245.5	225.3	216.0	212.9
40°	189.6	194.2	203.6	212.9	231.5	245.5	234.6	220.7	205.1	197.3	192.7
42.5°	175.6	177.1	181.8	191.1	205.1	226.9	208.2	189.6	183.4	178.7	175.6
45°	160.1	160.1	166.3	170.9	186.5	206.7	188.0	170.9	167.8	164.7	163.2
47.5°	147.6	149.2	152.3	158.5	170.9	184.9	172.5	158.5	150.7	149.2	146.1
50°	132.1	133.6	139.9	146.1	161.6	169.4	161.6	146.1	138.3	133.6	133.6
52°	119.7	124.3	130.5	143.0	153.8	166.3	156.9	139.9	130.5	125.9	122.8
52.5°	118.1	121.2	127.4	141.4	153.8	164.7	155.4	138.3	127.4	124.3	121.2
55°	105.7	110.3	121.2	138.3	152.3	164.7	152.3	136.7	121.2	113.4	110.3
57.5°	101.0	104.1	118.1	139.9	150.7	164.7	152.3	136.7	121.2	107.2	104.1
60°	96.3	102.6	118.1	135.2	149.2	166.3	153.8	135.2	118.1	101.0	101.0
62.5°	91.7	96.3	116.5	132.1	143.0	160.1	147.6	132.1	113.4	96.3	94.8
65°	79.2	87.0	102.6	110.3	122.8	138.3	125.9	115.0	99.5	85.5	83.9
67.5°	60.6	63.7	76.1	85.5	93.2	107.2	101.0	87.0	76.1	65.3	65.3
70°	42.0	45.1	54.4	59.0	66.8	74.6	69.9	59.0	51.3	45.1	43.5
72.5°	29.5	31.1	34.2	37.3	40.4	43.5	42.0	34.2	29.5	28.0	26.4
75°	23.3	26.4	28.0	26.4	24.9	23.3	23.3	20.2	17.1	15.5	15.5
77.5°	23.3	24.9	23.3	20.2	17.1	15.5	14.0	12.4	9.3	7.8	9.3
80°	20.2	20.2	20.2	17.1	15.5	14.0	12.4	10.9	9.3	7.8	7.8
82.5°	21.8	21.8	20.2	17.1	17.1	14.0	14.0	12.4	10.9	7.8	7.8
85°	0.0	0.0	0.0	3.1	7.8	14.0	14.0	12.4	10.9	9.3	9.3
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	7.8	9.3	9.3	9.3
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: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8
2.5°	3431.0	3490.1	3602.0	3713.9	3782.2	3863.0	4009.1	4086.8	4187.8	4237.5	4335.4
5°	2764.4	2904.3	2954.0	3081.4	3218.2	3354.9	3572.5	3811.8	4010.7	4147.4	4324.6
7.5°	2017.0	2049.6	2242.3	2327.8	2551.5	2800.2	3097.0	3398.4	3650.2	3873.9	4009.1
10°	1512.0	1631.6	1752.8	1916.0	2096.2	2352.6	2637.0	2969.5	3295.9	3519.6	3690.6
12.5°	1215.2	1310.0	1471.6	1647.2	1869.4	2038.7	2324.7	2654.1	3076.8	3295.9	3521.2
15°	919.9	1041.1	1224.5	1406.3	1640.9	1819.6	2108.7	2523.6	3067.4	3368.9	3563.1
17.5°	682.2	764.5	929.2	1132.8	1372.1	1623.8	2013.9	2509.6	3171.5	3530.5	3731.0
20°	522.1	550.1	654.2	836.0	1095.5	1424.9	1860.0	2570.2	3479.2	3923.6	4127.2
22.5°	422.7	435.1	475.5	601.4	853.1	1250.9	1787.0	2612.1	3825.7	4394.5	4666.4
25°	368.3	365.2	391.6	446.0	666.6	1087.7	1693.8	2770.6	4250.0	4947.7	5191.6
27.5°	335.6	335.6	348.1	386.9	553.2	982.1	1634.7	2884.1	4677.3	5434.0	5566.1
30°	318.6	321.7	357.4	369.8	460.0	856.2	1536.8	2999.1	5086.0	5744.8	5926.6
32.5°	295.2	282.8	275.0	306.1	386.9	742.8	1438.9	3047.2	5417.0	6125.5	6280.9
35°	226.9	220.7	230.0	253.3	332.5	646.4	1330.2	3101.6	5797.7	6566.9	6597.9
37.5°	205.1	203.6	209.8	230.0	279.7	562.5	1252.5	3087.6	6088.2	6932.0	6848.1
40°	189.6	189.6	194.2	211.3	250.2	503.5	1171.7	3075.2	6369.5	7342.3	7096.7
42.5°	177.1	177.1	184.9	195.8	237.7	464.6	1111.1	3058.1	6605.7	7594.0	7242.8
45°	160.1	164.7	177.1	188.0	240.9	438.2	1066.0	2992.8	6686.5	7590.9	7172.9
47.5°	147.6	153.8	166.3	181.8	217.5	430.4	1034.9	2935.3	6658.5	7404.4	6953.8
50°	133.6	141.4	158.5	184.9	184.9	414.9	1002.3	2986.6	6638.3	7259.9	6744.0
52°	124.3	130.5	152.3	180.3	161.6	382.3	982.1	3086.1	6720.7	7241.3	6650.8
52.5°	122.8	127.4	147.6	177.1	153.8	376.0	968.1	3109.4	6747.1	7194.6	6714.5
55°	108.8	115.0	135.2	138.3	125.9	309.2	923.0	3162.2	6616.6	7103.0	6653.9
57.5°	102.6	105.7	119.7	113.4	108.8	233.1	794.1	3079.9	5876.9	6308.9	6190.8
60°	94.8	97.9	111.9	88.6	91.7	163.2	596.7	2674.3	4719.2	5256.9	5469.8
62.5°	91.7	90.1	105.7	71.5	77.7	118.1	421.1	2173.9	3636.2	4327.7	4695.9
65°	80.8	79.2	76.1	60.6	66.8	91.7	251.7	1418.7	2562.4	3274.1	3476.1
67.5°	62.2	65.3	55.9	48.2	55.9	71.5	139.9	635.6	1344.1	1964.2	2127.3
70°	43.5	46.6	45.1	42.0	49.7	59.0	80.8	217.5	556.3	1031.8	1137.5
72.5°	26.4	32.6	34.2	35.7	43.5	51.3	57.5	69.9	147.6	365.2	453.7
75°	15.5	21.8	26.4	31.1	35.7	43.5	48.2	49.7	51.3	68.4	110.3
77.5°	10.9	15.5	23.3	29.5	35.7	43.5	51.3	54.4	51.3	48.2	51.3
80°	9.3	15.5	21.8	28.0	37.3	45.1	51.3	51.3	49.7	43.5	46.6
82.5°	9.3	15.5	23.3	29.5	35.7	43.5	49.7	51.3	46.6	43.5	45.1
85°	10.9	17.1	24.9	31.1	38.8	35.7	32.6	26.4	24.9	20.2	21.8
87.5°	10.9	15.5	15.5	17.1	18.6	18.6	18.6	17.1	14.0	12.4	12.4
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: P527717

CATALOG NUMBER: GLAN-SA2D-730-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8	3971.8
2.5°	4340.1	4464.4	4459.7	4462.8	4444.2	4318.3	4257.7	4103.9	4147.4	4128.8
5°	4506.4	4629.1	4734.8	4722.4	4579.4	4408.5	4155.2	3915.9	3850.6	3754.3
7.5°	4340.1	4635.3	4733.2	4719.2	4507.9	4288.8	3884.8	3645.5	3532.1	3468.3
10°	4075.9	4417.8	4539.0	4563.9	4420.9	4088.4	3717.0	3333.2	3272.5	3162.2
12.5°	3925.2	4173.8	4248.4	4315.2	4265.5	4016.9	3589.5	3221.3	3137.4	3064.3
15°	3802.4	3950.1	3981.1	4057.3	4086.8	3953.2	3656.4	3342.5	3135.8	3128.0
17.5°	3915.9	3855.3	3741.8	3765.1	3858.4	3954.7	3828.9	3581.8	3381.3	3356.5
20°	4103.9	3836.6	3580.2	3637.7	3715.4	4010.7	4089.9	3915.9	3800.9	3737.2
22.5°	4319.9	3869.3	3528.9	3556.9	3704.5	4136.5	4512.6	4416.2	4201.8	4110.1
25°	4719.2	3959.4	3569.3	3588.0	3790.0	4312.1	4894.8	4966.3	4838.9	4820.2
27.5°	5109.3	4192.5	3657.9	3616.0	3833.5	4483.0	5126.4	5510.2	5286.4	5242.9
30°	5308.2	4382.0	3790.0	3718.5	4013.8	4587.2	5266.2	5864.5	5668.7	5648.5
32.5°	5612.7	4554.5	3892.6	3800.9	4114.8	4716.1	5527.3	6251.4	6061.8	5960.8
35°	5740.2	4742.6	4117.9	4010.7	4403.8	4896.4	5660.9	6596.4	6537.3	6439.4
37.5°	5985.7	4944.6	4383.6	4377.4	4753.4	5131.0	5901.8	7065.7	7054.8	6885.4
40°	6005.9	5165.2	4803.2	4999.0	5294.2	5539.7	6113.1	7196.2	7373.3	7258.3
42.5°	6037.0	5552.1	5528.8	5690.4	5943.7	5890.9	6120.9	7227.3	7497.6	7429.3
45°	6051.0	5939.1	6266.9	6565.3	6671.0	6350.9	6047.8	7168.2	7562.9	7392.0
47.5°	5939.1	6271.6	6863.7	7440.2	7471.2	6633.7	6016.8	7107.6	7601.8	7488.3
50°	5954.6	6479.8	7379.6	7895.5	7782.0	6883.9	5968.6	7070.3	7581.6	7505.4
52°	5917.3	6484.5	7452.6	7886.1	7806.9	6745.6	5886.2	6927.4	7562.9	7617.3
52.5°	5959.3	6456.5	7376.4	7892.3	7789.8	6813.9	5875.4	7006.6	7573.8	7463.5
55°	5814.8	6124.0	6930.5	7149.6	7134.0	6184.6	5541.3	6744.0	7289.4	7291.0
57.5°	5255.3	5308.2	5435.6	5430.9	5359.5	4862.2	4739.4	6201.7	6498.5	6336.9
60°	4630.7	3886.3	3542.9	3403.1	3323.8	3243.0	4192.5	5673.4	5701.3	5632.9
62.5°	4001.3	2694.5	2237.6	2198.8	2217.4	2512.7	4052.6	5463.6	5295.7	5148.1
65°	3229.0	1964.2	1625.4	1574.1	1755.9	2074.5	3280.3	4189.4	3931.4	3808.6
67.5°	2027.9	1432.7	1098.6	1002.3	1221.4	1428.0	2155.3	2632.3	2343.3	2173.9
70°	1202.7	800.3	497.3	446.0	501.9	761.4	1207.4	1313.1	1086.2	999.2
72.5°	473.9	293.7	138.3	118.1	122.8	267.3	444.4	433.5	327.9	292.1
75°	127.4	88.6	48.2	38.8	32.6	49.7	71.5	46.6	17.1	21.8
77.5°	59.0	52.8	42.0	32.6	24.9	18.6	9.3	3.1	3.1	1.6
80°	51.3	45.1	38.8	32.6	24.9	15.5	7.8	1.6	1.6	1.6
82.5°	48.2	42.0	35.7	29.5	23.3	15.5	7.8	1.6	0.0	0.0
85°	20.2	26.4	29.5	28.0	24.9	15.5	7.8	1.6	0.0	0.0
87.5°	10.9	9.3	7.8	6.2	4.7	3.1	3.1	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)