

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: P532395

Luminaire Tested: **GLAN-SA7D-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532395
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-SA7D-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 27128 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 433
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



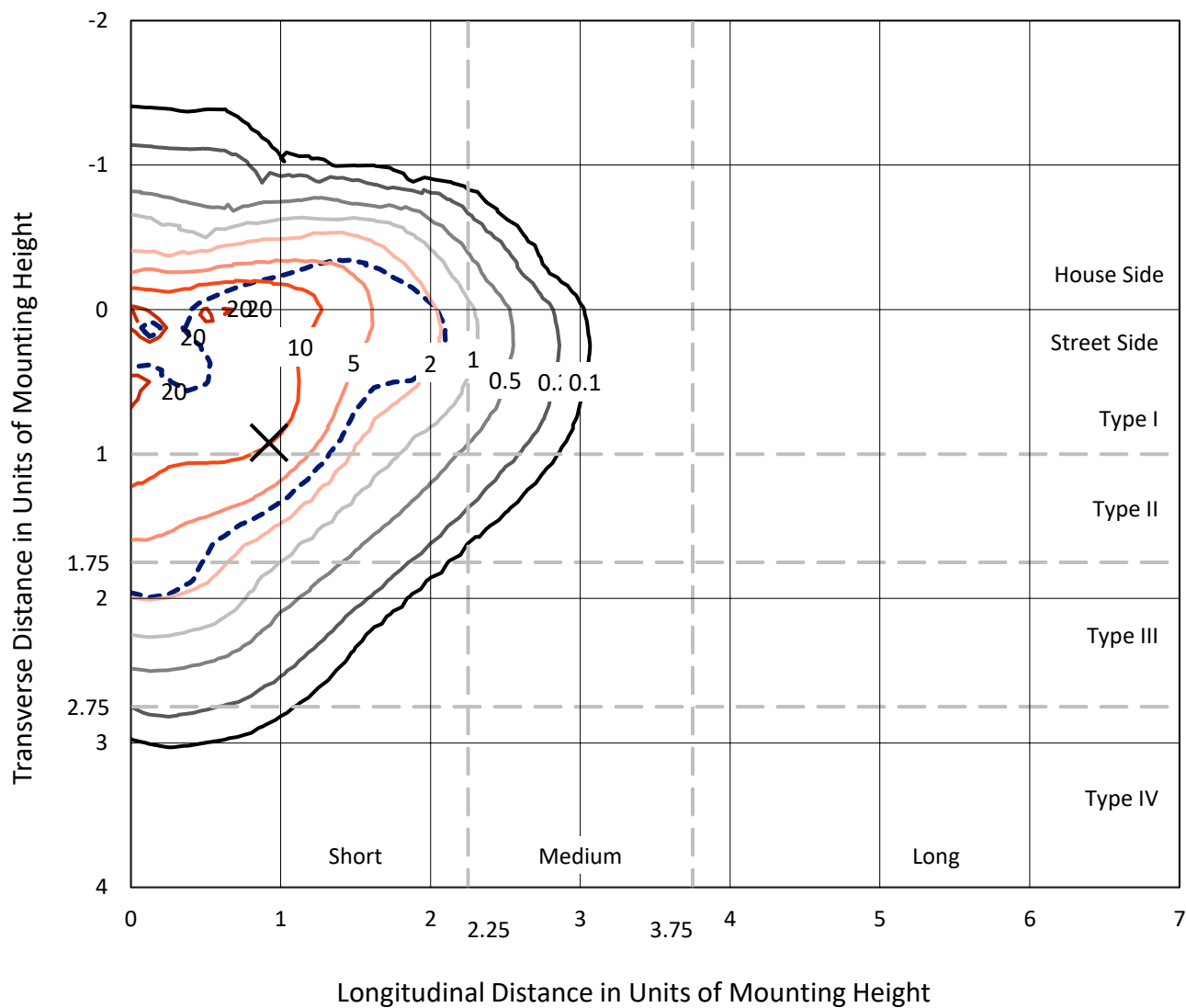
REPORT NUMBER: P532395

CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

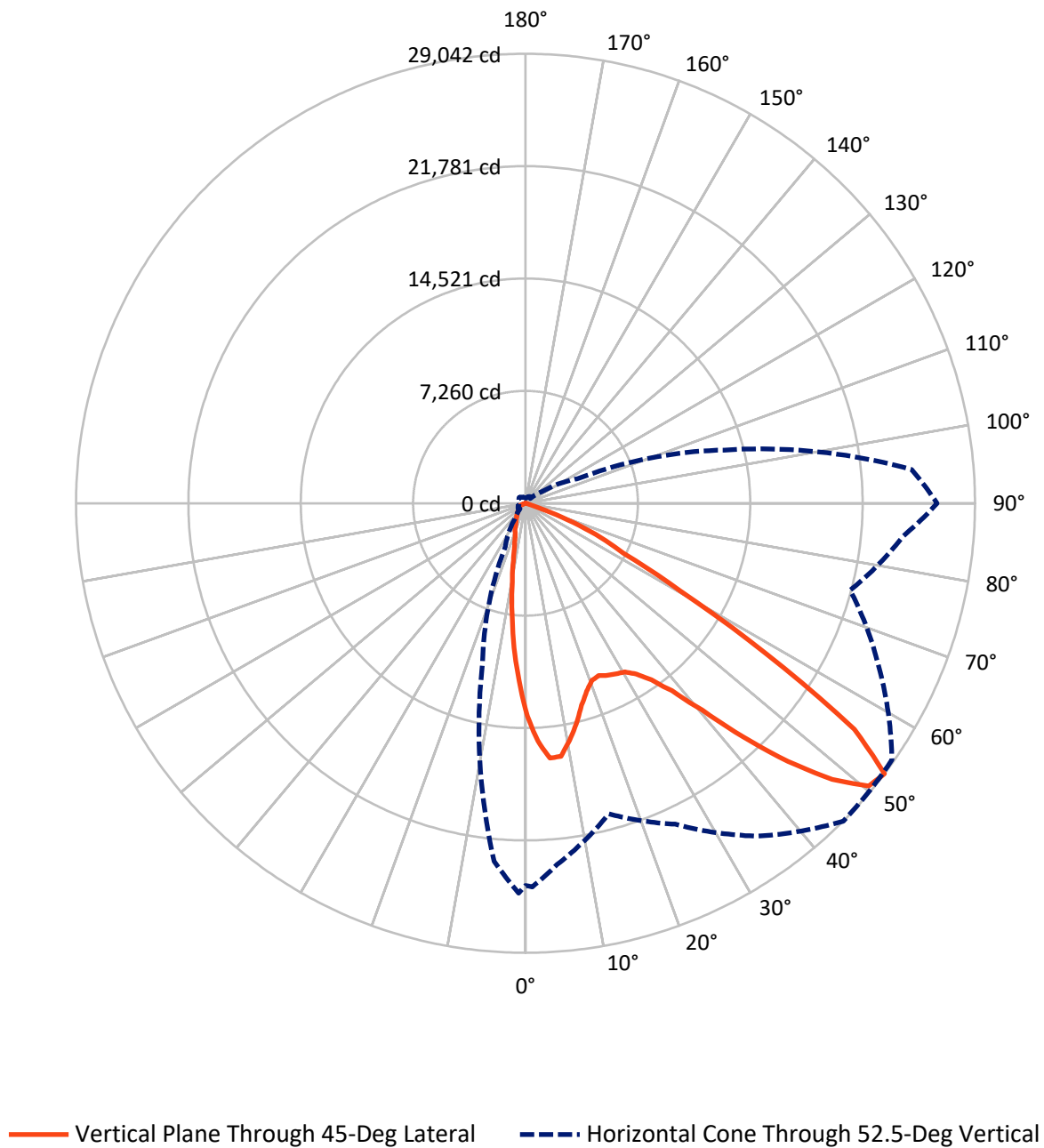


Based on 25 foot mounting height. Maximum calculated value = 23.8 fc

Type III - Short - N/A

REPORT NUMBER: P532395
CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532395

CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5505.6	0.0	5505.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	21622.4	0.0	21622.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	27128.0	0.0	27128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1003.1	3.7
10°-20°	1979.2	7.3
20°-30°	3012.0	11.1
30°-40°	4501.7	16.6
40°-50°	6410.9	23.6
50°-60°	6891.5	25.4
60°-70°	3053.8	11.3
70°-80°	247.1	0.9
80°-90°	28.8	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°	27128.0	100.0
0°-180°	27128.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532395

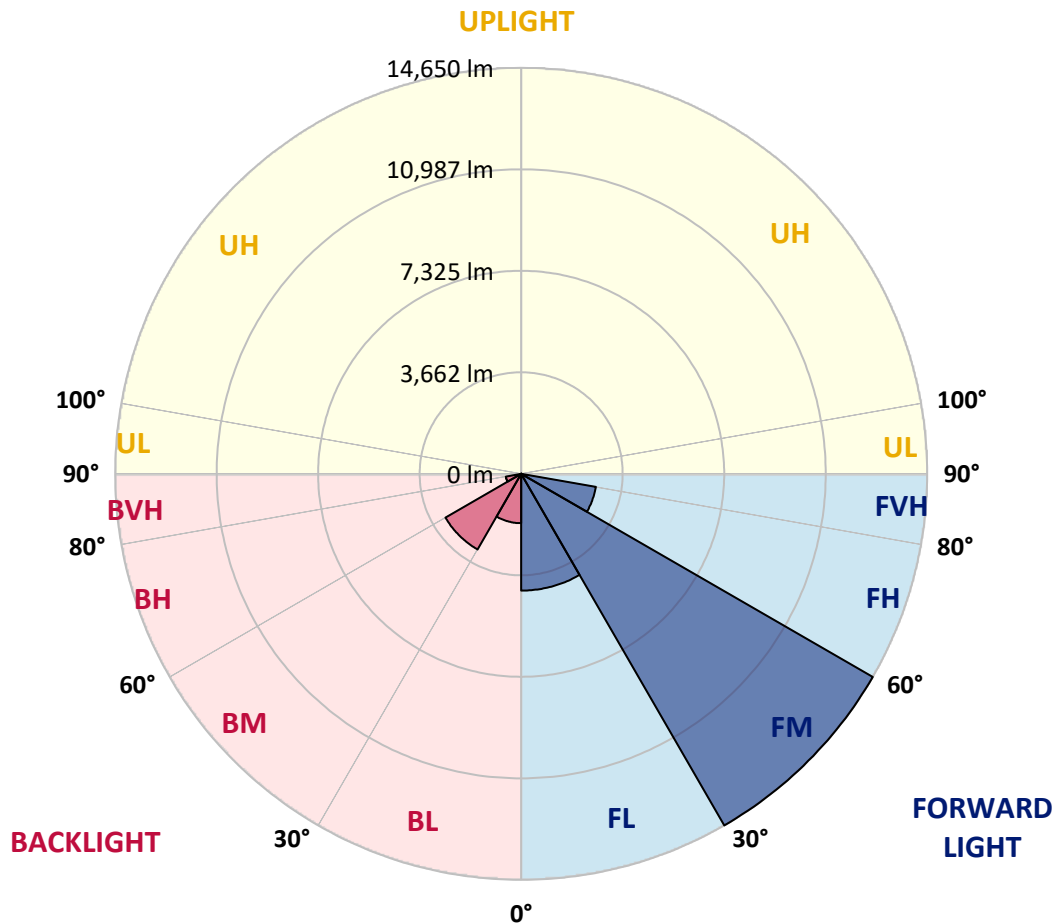
CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4213.5	15.5			
FM	(30°-60°)	14650.0	54.0			
FH	(60°-80°)	2737.5	10.1			G2/5000
FVH	(80°-90°)	21.3	0.1			G1/100
BL	(0°-30°)	1780.7	6.6	B3/2500		
BM	(30°-60°)	3154.1	11.6	B3/5000		
BH	(60°-80°)	563.3	2.1	B2/1000		G2/1000
BVH	(80°-90°)	7.5	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



REPORT NUMBER: P532395

CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2
2.5°	14555.5	14598.2	14832.9	15126.4	15281.1	15633.3	15387.8	15451.9	15318.5	14849.0	14480.8
5°	14112.6	14107.3	14406.1	15131.7	15820.0	16519.0	16540.3	16166.8	15510.6	14790.3	13760.5
7.5°	12778.7	12986.8	13296.3	14454.1	15729.3	16252.2	16503.0	16065.5	15057.0	14027.3	12912.1
10°	11770.3	11877.0	12399.9	13797.8	14731.6	15430.5	15585.3	15334.5	14560.8	13275.0	12026.4
12.5°	11188.7	11242.1	11855.7	13029.5	14016.6	14534.2	14608.9	14726.2	14171.3	12965.5	11466.2
15°	11194.1	11236.8	12063.8	13045.5	13435.0	13296.3	13541.7	13536.4	13776.5	12906.8	11935.7
17.5°	11999.7	12047.8	12794.8	13280.3	13109.6	12784.1	12768.1	13013.5	13520.4	13637.8	12645.4
20°	13387.0	13499.0	14048.6	14021.9	13061.5	12405.3	12223.8	12410.6	13589.8	14256.7	14075.3
22.5°	15254.5	15409.2	15793.4	15057.0	13280.3	12149.1	12090.5	12453.3	14048.6	15638.6	15697.3
25°	17420.7	17682.2	17868.9	16924.5	14059.3	12592.0	12314.5	12938.8	14667.5	17137.9	17762.2
27.5°	18856.0	19128.1	19085.4	17735.5	14582.2	12709.4	12474.6	13056.2	15206.4	17495.4	18840.0
30°	19976.5	20141.9	20440.7	18173.0	15105.1	13040.2	12640.0	13552.4	15382.5	18114.3	20141.9
32.5°	21283.7	21395.7	21417.1	18946.7	15910.7	13456.4	13152.2	14171.3	16161.5	18706.6	21294.3
35°	22601.6	22767.0	22420.2	19901.8	16406.9	14230.0	14005.9	15243.8	16785.8	19320.2	22564.2
37.5°	24031.5	24116.9	23316.5	20296.6	17116.6	15489.2	15366.5	16401.6	17868.9	20430.0	23972.8
40°	25232.0	25312.0	24271.6	20782.1	17863.6	17250.0	17564.8	18610.5	19341.5	21150.3	24677.1
42.5°	25899.0	26085.7	24591.7	20515.4	19362.9	19245.5	20643.4	21011.6	21048.9	21353.0	25306.7
45°	26080.4	25995.0	24063.5	20734.1	20675.4	22526.9	23796.7	24282.3	22745.6	21726.5	25466.8
47.5°	25242.7	25354.7	23284.5	20542.0	22398.8	25013.3	26656.6	27558.3	24010.2	21401.1	25071.9
50°	24565.1	24421.0	23033.8	20403.3	22863.0	26187.1	28721.5	28924.2	25173.3	21801.2	24639.8
52.5°	24698.5	24789.2	23433.9	20771.5	22873.7	26256.4	29041.6	28902.9	25210.7	21710.5	24485.0
55°	24981.2	24581.1	23263.2	19960.5	21342.4	24319.6	25776.2	25562.8	23268.5	20744.8	24106.2
57.5°	21555.8	22174.7	21390.4	17820.9	17516.7	18322.4	18295.7	18952.0	17356.7	17852.9	21945.3
60°	17495.4	17602.1	17895.6	15243.8	12122.5	11845.0	11460.9	11044.7	11679.6	15265.1	19960.5
62.5°	15387.8	15259.8	16305.6	13867.2	8558.3	7165.7	7101.7	7357.8	9011.8	14560.8	18722.6
65°	11183.4	11343.5	12101.1	10761.9	6424.1	5469.0	5372.9	6130.6	7293.8	11668.9	14288.7
67.5°	6829.6	7139.0	7208.4	6637.5	4359.2	3462.8	3324.1	4012.4	5266.2	7549.9	8376.9
70°	3153.3	3526.8	3879.0	3622.9	2523.7	1424.6	1344.6	1686.0	2657.1	4343.2	4444.5
72.5°	955.1	960.4	1344.6	1403.3	816.3	320.1	282.8	373.5	901.7	1435.3	1510.0
75°	69.4	74.7	181.4	208.1	154.7	80.0	85.4	101.4	192.1	320.1	240.1
77.5°	5.3	5.3	5.3	26.7	48.0	53.4	69.4	80.0	101.4	117.4	106.7
80°	5.3	0.0	5.3	21.3	37.3	53.4	64.0	74.7	80.0	90.7	80.0
82.5°	0.0	0.0	0.0	16.0	37.3	53.4	58.7	80.0	90.7	106.7	90.7
85°	0.0	0.0	0.0	16.0	37.3	58.7	53.4	26.7	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: P532395

CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2
2.5°	14544.8	14336.7	13861.9	13621.8	13056.2	12976.2	12421.3	12330.6	12143.8	12042.4	11797.0
5°	13307.0	13056.2	12282.5	11631.6	10873.9	10345.7	9940.2	9572.1	9358.6	9161.2	9251.9
7.5°	12298.5	11567.6	10708.5	9620.1	8745.0	8179.5	7560.5	7053.7	6754.9	6552.1	6600.1
10°	11242.1	10767.2	9572.1	8350.2	7293.8	6893.6	6408.0	6018.5	5597.0	5234.2	5063.5
12.5°	10911.3	10207.0	8707.7	7464.5	6664.2	6274.7	5719.8	5271.6	4732.7	4289.8	4135.1
15°	10970.0	10292.4	8472.9	7144.4	6200.0	5527.7	4866.1	4311.2	3718.9	3409.4	3249.4
17.5°	11925.0	10751.2	8627.7	6808.2	5554.4	4620.6	3804.3	3100.0	2657.1	2337.0	2267.6
20°	13098.9	11743.6	8958.5	6562.8	5026.1	3676.2	2779.8	2171.6	1803.4	1750.1	1734.1
22.5°	14816.9	13365.7	9668.1	6397.4	4380.5	2865.2	1904.8	1579.3	1478.0	1467.3	1472.6
25°	17218.0	15398.5	10441.8	6258.6	3895.0	2208.9	1558.0	1339.2	1307.2	1291.2	1317.9
27.5°	18258.4	16625.7	10852.6	5959.9	3452.1	1990.2	1536.7	1328.6	1237.9	1211.2	1227.2
30°	19544.3	17442.1	11498.2	5447.6	2801.2	1638.0	1435.3	1445.9	1403.3	1269.9	1227.2
32.5°	21251.7	18461.1	11823.7	5084.8	2502.4	1355.2	1051.1	965.7	1077.8	1099.1	1136.5
35°	22345.5	19496.3	11989.1	4871.4	2347.7	1157.8	891.0	811.0	784.3	789.7	811.0
37.5°	24378.3	20894.2	12197.2	4647.3	2230.3	1008.4	805.7	731.0	693.6	693.6	715.0
40°	25594.8	22004.0	12480.0	4524.6	2112.9	917.7	731.0	666.9	634.9	634.9	645.6
42.5°	25899.0	22553.5	12383.9	4481.9	1979.5	896.4	666.9	618.9	581.6	576.2	570.9
45°	26443.2	23391.2	12399.9	4433.9	1840.8	816.3	629.6	576.2	522.9	517.6	512.2
47.5°	27040.8	23994.2	12431.9	4247.1	1707.4	683.0	656.3	533.6	469.5	458.9	458.9
50°	26528.6	24474.4	12709.4	4060.4	1536.7	554.9	645.6	501.5	416.2	400.2	405.5
52.5°	26592.6	25039.9	13296.3	3798.9	1323.2	442.9	522.9	474.9	378.8	352.1	357.5
55°	25568.2	24442.3	13376.3	3521.5	1035.1	341.5	400.2	416.2	320.1	309.5	309.5
57.5°	22009.3	20696.8	11802.3	2854.5	683.0	282.8	288.1	362.8	277.5	266.8	272.1
60°	18834.6	16615.0	9497.4	1883.5	426.8	224.1	208.1	368.2	245.4	240.1	256.1
62.5°	17169.9	13653.8	7203.0	1168.5	293.5	170.7	144.1	298.8	213.4	213.4	234.8
65°	12405.3	9171.9	4188.4	613.6	208.1	133.4	106.7	170.7	176.1	181.4	192.1
67.5°	7683.3	4631.3	1766.1	298.8	138.7	90.7	69.4	106.7	117.4	117.4	128.1
70°	3793.6	1846.1	586.9	170.7	106.7	74.7	48.0	58.7	58.7	53.4	58.7
72.5°	1173.8	554.9	149.4	106.7	74.7	48.0	26.7	21.3	10.7	0.0	5.3
75°	133.4	106.7	96.0	74.7	48.0	21.3	5.3	0.0	0.0	0.0	0.0
77.5°	80.0	90.7	90.7	74.7	48.0	16.0	0.0	0.0	0.0	0.0	0.0
80°	64.0	69.4	74.7	69.4	42.7	21.3	0.0	0.0	0.0	0.0	0.0
82.5°	80.0	90.7	101.4	90.7	58.7	26.7	10.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	16.0	5.3	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: P532395

CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2
2.5°	11695.6	11578.2	11743.6	11498.2	11492.9	11498.2	11428.8	11364.8	11466.2	11738.3	11765.0
5°	8926.4	9177.2	9257.3	9518.7	9374.6	9161.2	9203.9	9059.8	9412.0	9566.7	9444.0
7.5°	6498.8	6482.7	7021.6	7053.7	7123.0	7128.4	7117.7	6834.9	6546.8	6610.8	6802.9
10°	5042.1	4770.0	5031.5	5004.8	5175.5	5127.5	5196.9	4892.7	4994.1	4994.1	5116.8
12.5°	4108.4	3820.3	3772.3	3702.9	3772.3	3798.9	3825.6	3766.9	3937.7	4017.7	4103.1
15°	3137.3	2977.3	2934.6	2801.2	2822.5	2897.2	2961.3	2987.9	2934.6	3057.3	3068.0
17.5°	2278.3	2273.0	2299.6	2294.3	2273.0	2257.0	2251.6	2182.3	2160.9	2171.6	2214.3
20°	1728.7	1771.4	1862.1	1952.8	2000.8	1942.2	1862.1	1744.7	1696.7	1707.4	1712.7
22.5°	1478.0	1542.0	1664.7	1766.1	1814.1	1707.4	1563.3	1462.0	1440.6	1435.3	1429.9
25°	1339.2	1413.9	1504.6	1536.7	1531.3	1467.3	1360.6	1317.9	1307.2	1296.5	1248.5
27.5°	1264.5	1291.2	1307.2	1344.6	1360.6	1317.9	1291.2	1227.2	1216.5	1216.5	1184.5
30°	1221.9	1205.8	1227.2	1200.5	1221.9	1189.8	1195.2	1195.2	1168.5	1179.2	1179.2
32.5°	1136.5	1141.8	1141.8	1088.5	1104.5	1067.1	1104.5	1136.5	1141.8	1147.2	1189.8
35°	832.4	928.4	976.4	976.4	992.4	965.7	960.4	923.1	875.0	827.0	805.7
37.5°	731.0	768.3	832.4	869.7	896.4	875.0	827.0	768.3	741.6	720.3	699.0
40°	650.9	683.0	725.6	768.3	821.7	795.0	720.3	693.6	661.6	661.6	640.3
42.5°	586.9	602.9	629.6	693.6	752.3	699.0	645.6	624.3	608.3	602.9	597.6
45°	528.2	533.6	560.2	613.6	683.0	629.6	576.2	549.6	554.9	560.2	554.9
47.5°	474.9	485.5	501.5	565.6	608.3	581.6	522.9	506.9	506.9	506.9	512.2
50°	410.8	437.5	469.5	522.9	554.9	538.9	490.9	469.5	458.9	458.9	464.2
52.5°	368.2	389.5	432.2	496.2	538.9	512.2	464.2	432.2	410.8	405.5	416.2
55°	320.1	357.5	426.8	474.9	533.6	506.9	453.5	416.2	378.8	373.5	373.5
57.5°	288.1	346.8	410.8	469.5	517.6	496.2	453.5	405.5	357.5	352.1	352.1
60°	272.1	336.1	400.2	453.5	517.6	485.5	448.2	394.8	341.5	341.5	336.1
62.5°	256.1	314.8	378.8	432.2	496.2	469.5	432.2	378.8	325.5	325.5	314.8
65°	213.4	272.1	314.8	362.8	432.2	405.5	368.2	330.8	288.1	277.5	282.8
67.5°	149.4	186.7	229.4	277.5	320.1	309.5	293.5	266.8	229.4	224.1	218.8
70°	74.7	101.4	138.7	186.7	224.1	213.4	202.8	181.4	160.1	154.7	154.7
72.5°	10.7	32.0	58.7	85.4	117.4	122.7	117.4	112.0	106.7	101.4	106.7
75°	0.0	0.0	0.0	21.3	48.0	58.7	69.4	80.0	80.0	69.4	85.4
77.5°	0.0	0.0	0.0	0.0	5.3	26.7	53.4	69.4	85.4	74.7	101.4
80°	0.0	0.0	0.0	0.0	5.3	32.0	53.4	74.7	85.4	74.7	106.7
82.5°	0.0	0.0	0.0	0.0	5.3	37.3	53.4	69.4	80.0	74.7	96.0
85°	0.0	0.0	0.0	0.0	16.0	32.0	21.3	10.7	5.3	5.3	16.0
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: P532395

CATALOG NUMBER: GLAN-SA7D-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2	13755.2
2.5°	11914.4	12293.2	12698.7	12853.4	13333.6	13696.5	13941.9	14470.1	14550.2	14555.5
5°	9572.1	9764.1	10457.8	10783.2	11498.2	12053.1	12645.4	13499.0	14070.0	14112.6
7.5°	6802.9	7336.4	7629.9	8478.3	9358.6	10228.3	11108.7	12101.1	12762.7	12778.7
10°	5474.3	5821.1	6344.0	6979.0	7720.6	8606.3	9780.1	10932.6	11604.9	11770.3
12.5°	4407.2	5015.5	5613.0	6269.3	6834.9	7501.8	8766.4	10303.0	10857.9	11188.7
15°	3393.4	3948.3	4652.6	5421.0	6061.2	6952.3	8392.9	10148.3	11082.0	11194.1
17.5°	2502.4	2998.6	3649.5	4375.2	5335.6	6600.1	8456.9	10932.6	11813.0	11999.7
20°	1798.1	2086.2	2598.4	3441.5	4663.3	6189.3	8520.9	11727.6	13066.9	13387.0
22.5°	1424.6	1542.0	1878.1	2625.1	3911.0	5757.1	8974.5	13248.3	14790.3	15254.5
25°	1237.9	1301.9	1462.0	2070.2	3436.1	5714.4	9700.1	15073.0	17084.6	17420.7
27.5°	1195.2	1205.8	1344.6	1899.5	3180.0	5431.6	9977.6	16369.6	18514.5	18856.0
30°	1259.2	1429.9	1440.6	1606.0	2705.1	4871.4	10121.6	17623.5	19725.7	19976.5
32.5°	1088.5	1035.1	1072.5	1243.2	2379.7	4545.9	10393.7	18717.3	21107.6	21283.7
35°	757.7	795.0	880.4	1077.8	2080.9	4204.4	10463.1	19923.1	22420.2	22601.6
37.5°	699.0	720.3	789.7	917.7	1830.1	4012.4	10367.1	20803.5	23780.7	24031.5
40°	650.9	677.6	715.0	832.4	1643.4	3798.9	10233.7	21598.5	24613.1	25232.0
42.5°	613.6	634.9	666.9	795.0	1483.3	3585.5	10046.9	22719.0	25360.1	25899.0
45°	570.9	602.9	640.3	773.7	1392.6	3441.5	9908.2	22649.6	25792.3	26080.4
47.5°	528.2	581.6	624.3	720.3	1365.9	3372.1	9966.9	22388.1	25440.1	25242.7
50°	485.5	554.9	629.6	597.6	1301.9	3233.4	10036.2	22745.6	24602.4	24565.1
52.5°	448.2	528.2	586.9	490.9	1157.8	3100.0	10708.5	23215.2	25194.7	24698.5
55°	394.8	474.9	469.5	394.8	939.1	2998.6	11236.8	23225.8	24794.5	24981.2
57.5°	357.5	421.5	368.2	330.8	693.6	2507.7	10377.7	19474.9	21225.0	21555.8
60°	330.8	410.8	277.5	261.4	453.5	1808.8	9059.8	15083.7	16871.1	17495.4
62.5°	304.1	389.5	218.8	213.4	314.8	1285.9	7448.5	12624.0	14539.5	15387.8
65°	266.8	277.5	176.1	165.4	224.1	693.6	4535.3	8691.7	10868.6	11183.4
67.5°	218.8	213.4	144.1	133.4	149.4	336.1	2000.8	4353.8	6301.3	6829.6
70°	176.1	176.1	122.7	106.7	106.7	154.7	522.9	1734.1	2849.2	3153.3
72.5°	128.1	133.4	96.0	85.4	80.0	74.7	85.4	346.8	747.0	955.1
75°	112.0	117.4	96.0	74.7	58.7	48.0	37.3	32.0	42.7	69.4
77.5°	122.7	122.7	101.4	69.4	53.4	37.3	21.3	10.7	10.7	5.3
80°	154.7	160.1	133.4	90.7	64.0	42.7	26.7	10.7	5.3	5.3
82.5°	165.4	181.4	149.4	112.0	80.0	48.0	26.7	5.3	0.0	0.0
85°	42.7	69.4	117.4	101.4	80.0	48.0	26.7	5.3	0.0	0.0
87.5°	0.0	5.3	16.0	16.0	21.3	21.3	16.0	5.3	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)