

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: P532863

Luminaire Tested: **GLAN-SA8B-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532863
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-SA8B-730-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA 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: 23134.1 lumens
Efficiency: N/A
Efficacy: 71.2 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): 325
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

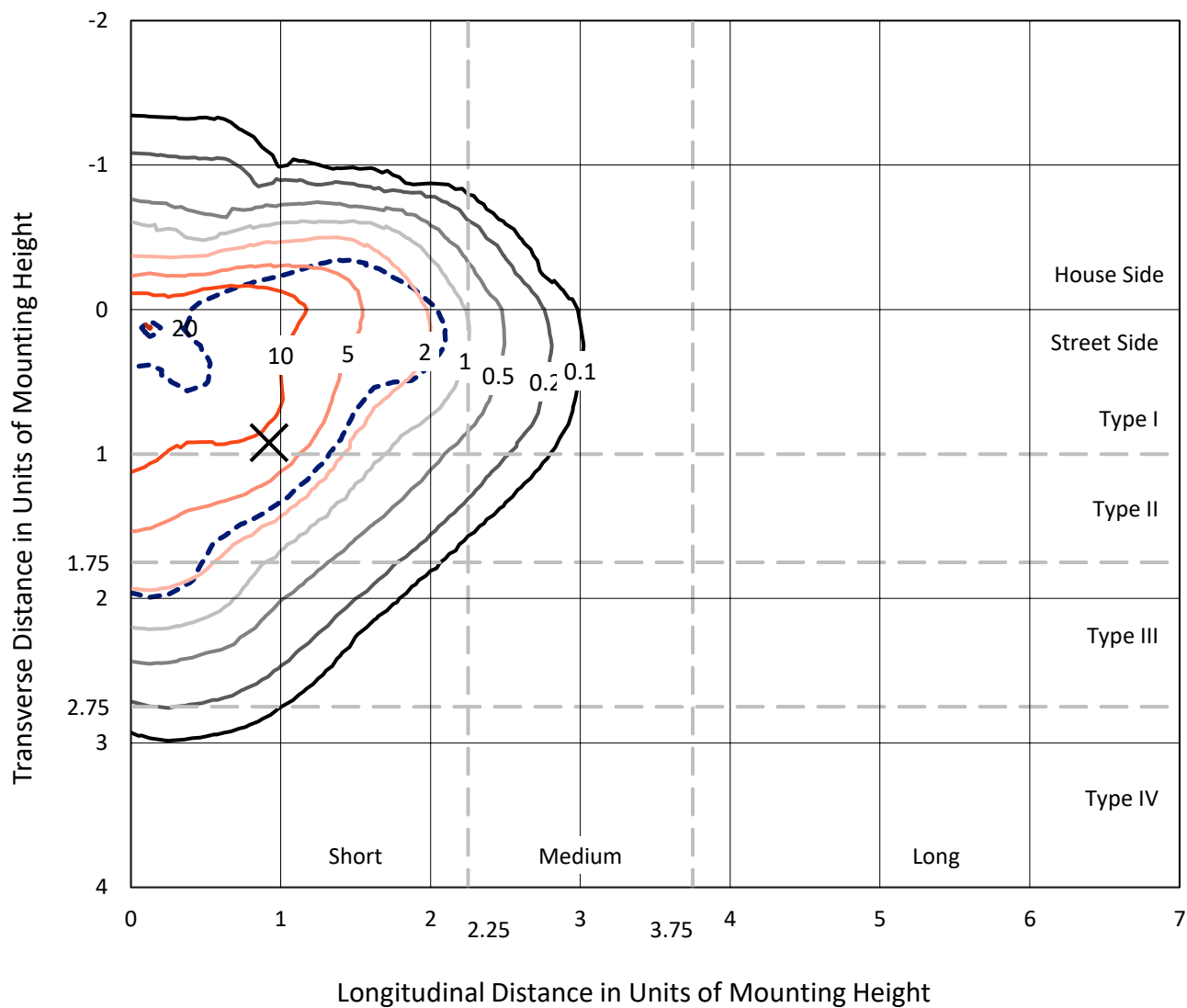


REPORT NUMBER: P532863
 CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

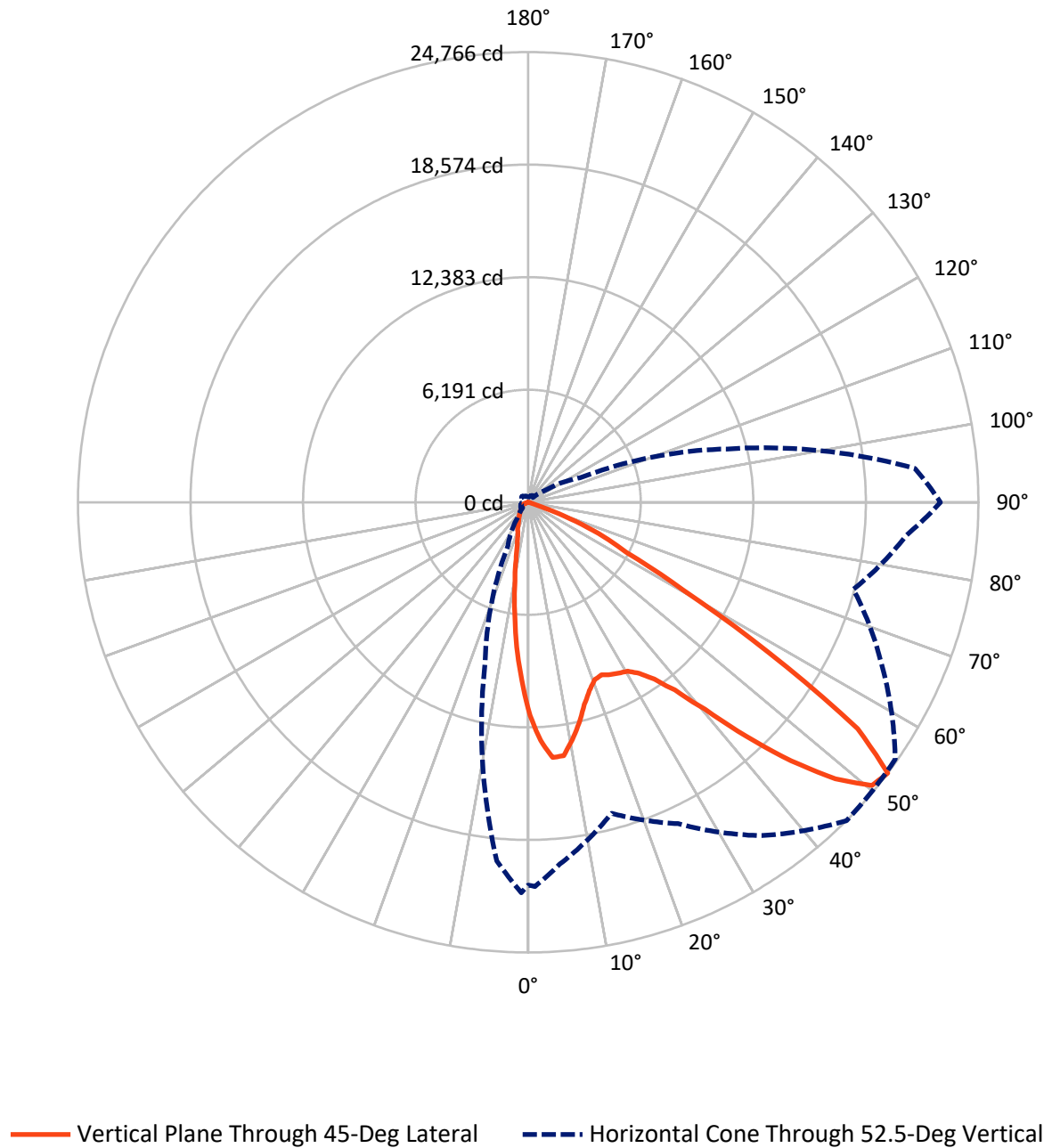
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type III - Short - N/A

REPORT NUMBER: P532863
CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P532863

CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

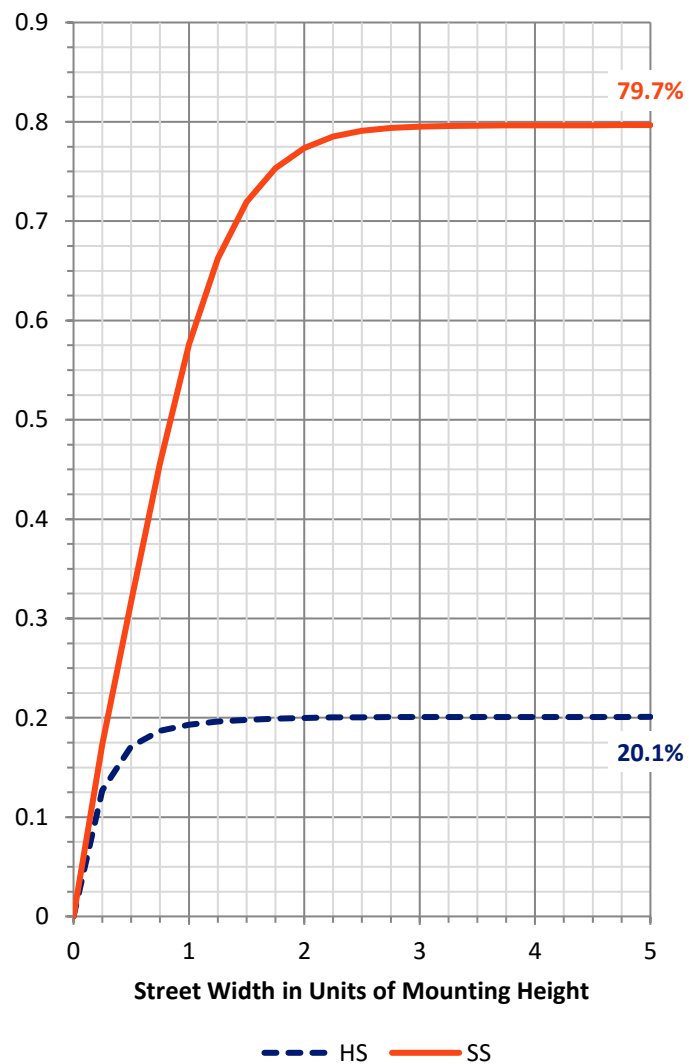
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4695.1	0.0	4695.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	18439.0	0.0	18439.0
	% Fixture	79.7	0.0	79.7
Total	Lumens	23134.1	0.0	23134.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.5	3.7
10°-20°	1687.8	7.3
20°-30°	2568.5	11.1
30°-40°	3838.9	16.6
40°-50°	5467.0	23.6
50°-60°	5876.9	25.4
60°-70°	2604.2	11.3
70°-80°	210.7	0.9
80°-90°	24.6	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°	23134.1	100.0
0°-180°	23134.1	100.0

Coefficient of Utilization



REPORT NUMBER: P532863

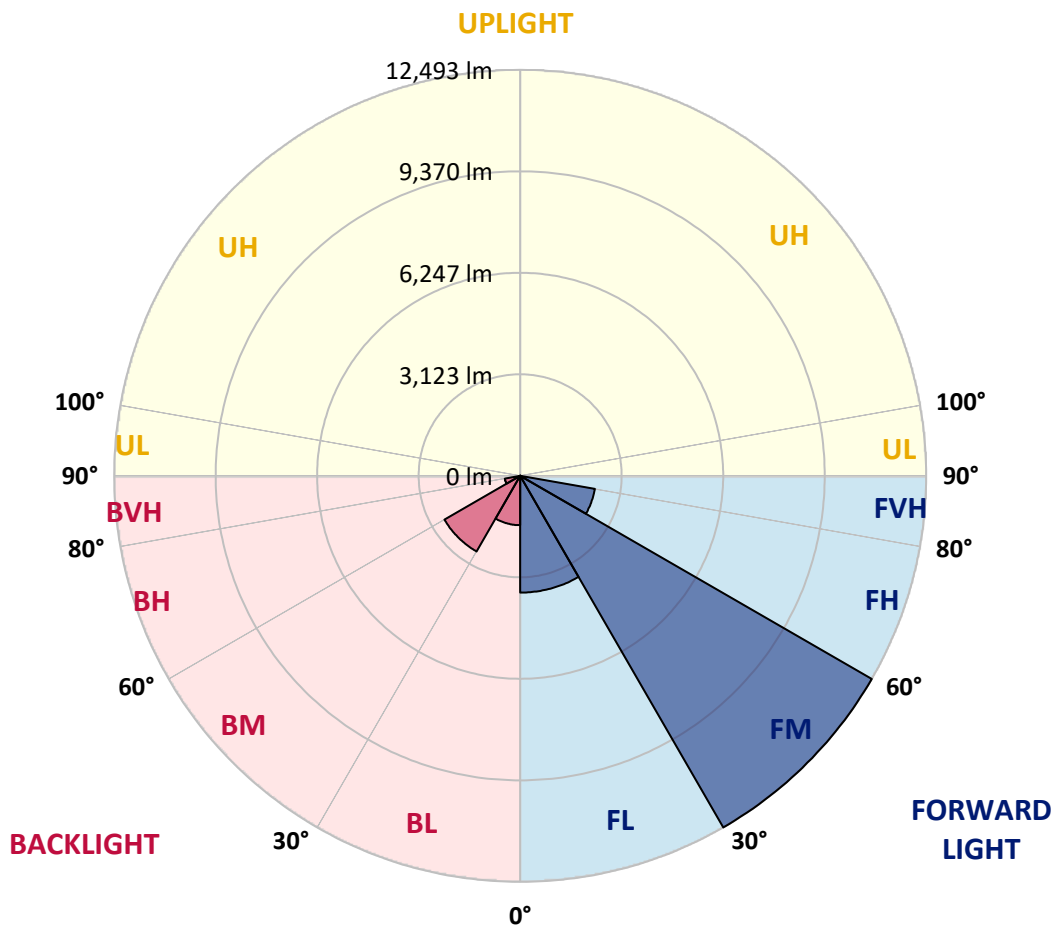
CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3593.2	15.5			
FM	(30°-60°)	12493.1	54.0			
FH	(60°-80°)	2334.5	10.1			G2/5000
FVH	(80°-90°)	18.2	0.1			G1/100
BL	(0°-30°)	1518.6	6.6	B3/2500		
BM	(30°-60°)	2689.8	11.6	B3/5000		
BH	(60°-80°)	480.4	2.1	B1/500		G1/500
BVH	(80°-90°)	6.4	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



REPORT NUMBER: P532863

CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0
2.5°	12412.5	12448.9	12649.1	12899.4	13031.3	13331.6	13122.3	13176.9	13063.2	12662.8	12348.8
5°	12034.9	12030.3	12285.1	12903.9	13490.9	14086.9	14105.1	13786.6	13227.0	12612.7	11734.6
7.5°	10897.4	11074.8	11338.7	12326.1	13413.5	13859.4	14073.3	13700.2	12840.2	11962.1	11011.1
10°	10037.4	10128.4	10574.3	11766.4	12562.7	13158.7	13290.7	13076.8	12417.1	11320.5	10255.8
12.5°	9541.4	9586.9	10110.2	11111.2	11953.0	12394.3	12458.0	12558.1	12084.9	11056.6	9778.0
15°	9546.0	9582.4	10287.6	11124.9	11457.0	11338.7	11548.0	11543.5	11748.2	11006.6	10178.4
17.5°	10233.0	10274.0	10911.0	11325.1	11179.5	10901.9	10888.3	11097.6	11529.8	11629.9	10783.6
20°	11416.1	11511.6	11980.3	11957.5	11138.5	10578.9	10424.2	10583.4	11589.0	12157.7	12003.0
22.5°	13008.6	13140.5	13468.1	12840.2	11325.1	10360.5	10310.4	10619.8	11980.3	13336.2	13386.2
25°	14855.9	15078.8	15238.1	14432.7	11989.4	10738.1	10501.5	11033.9	12508.1	14614.7	15147.1
27.5°	16079.9	16311.9	16275.5	15124.3	12435.3	10838.2	10638.0	11134.0	12967.6	14919.6	16066.2
30°	17035.4	17176.4	17431.2	15497.4	12881.2	11120.3	10779.1	11557.1	13117.8	15447.4	17176.4
32.5°	18150.1	18245.7	18263.9	16157.2	13568.2	11475.2	11215.9	12084.9	13782.1	15952.5	18159.2
35°	19274.0	19415.0	19119.3	16971.7	13991.4	12135.0	11943.9	12999.5	14314.4	16475.7	19242.1
37.5°	20493.4	20566.2	19883.7	17308.4	14596.5	13208.8	13104.1	13986.8	15238.1	17422.1	20443.3
40°	21517.2	21585.4	20698.1	17722.4	15233.5	14710.3	14978.7	15870.6	16493.9	18036.4	21044.0
42.5°	22085.9	22245.2	20971.2	17494.9	16512.1	16412.0	17604.1	17918.1	17949.9	18209.3	21580.9
45°	22240.6	22167.8	20520.7	17681.5	17631.4	19210.3	20293.2	20707.3	19396.8	18527.8	21717.4
47.5°	21526.3	21621.8	19856.4	17517.7	19101.1	21330.6	22732.0	23501.0	20475.2	18250.2	21380.7
50°	20948.4	20825.6	19642.5	17399.4	19496.9	22331.6	24492.9	24665.8	21467.1	18591.5	21012.1
52.5°	21062.2	21139.5	19983.8	17713.3	19506.0	22390.8	24765.9	24647.6	21499.0	18514.1	20880.2
55°	21303.3	20962.1	19838.2	17021.7	18200.2	20739.1	21981.3	21799.3	19842.7	17690.6	20557.1
57.5°	18382.2	18910.0	18241.1	15197.1	14937.8	15624.9	15602.1	16161.8	14801.3	15224.4	18714.3
60°	14919.6	15010.6	15260.8	12999.5	10337.7	10101.1	9773.5	9418.6	9960.0	13017.7	17021.7
62.5°	13122.3	13013.1	13904.9	11825.6	7298.3	6110.7	6056.1	6274.5	7685.0	12417.1	15966.1
65°	9536.9	9673.4	10319.5	9177.4	5478.3	4663.8	4581.9	5228.0	6219.9	9950.9	12185.0
67.5°	5824.1	6088.0	6147.1	5660.3	3717.4	2953.0	2834.7	3421.6	4490.9	6438.3	7143.6
70°	2689.1	3007.6	3307.9	3089.5	2152.2	1214.9	1146.6	1437.8	2265.9	3703.7	3790.2
72.5°	814.5	819.0	1146.6	1196.7	696.2	273.0	241.2	318.5	769.0	1224.0	1287.7
75°	59.2	63.7	154.7	177.5	132.0	68.3	72.8	86.5	163.8	273.0	204.8
77.5°	4.6	4.6	4.6	22.8	41.0	45.5	59.2	68.3	86.5	100.1	91.0
80°	4.6	0.0	4.6	18.2	31.9	45.5	54.6	63.7	68.3	77.4	68.3
82.5°	0.0	0.0	0.0	13.7	31.9	45.5	50.1	68.3	77.4	91.0	77.4
85°	0.0	0.0	0.0	13.7	31.9	50.1	45.5	22.8	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: P532863

CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0
2.5°	12403.4	12226.0	11821.0	11616.3	11134.0	11065.7	10592.5	10515.2	10355.9	10269.4	10060.1
5°	11347.8	11134.0	10474.2	9919.1	9273.0	8822.5	8476.7	8162.8	7980.8	7812.4	7889.8
7.5°	10487.9	9864.5	9131.9	8203.7	7457.5	6975.2	6447.4	6015.2	5760.4	5587.5	5628.4
10°	9586.9	9182.0	8162.8	7120.8	6219.9	5878.7	5464.6	5132.4	4773.0	4463.6	4318.0
12.5°	9304.8	8704.2	7425.7	6365.5	5683.0	5350.9	4877.6	4495.4	4035.9	3658.2	3526.3
15°	9354.9	8777.0	7225.5	6092.5	5287.2	4713.8	4149.6	3676.4	3171.4	2907.5	2771.0
17.5°	10169.3	9168.3	7357.4	5805.9	4736.6	3940.3	3244.2	2643.6	2265.9	1992.9	1933.8
20°	11170.4	10014.6	7639.5	5596.6	4286.1	3135.0	2370.6	1851.9	1537.9	1492.4	1478.8
22.5°	12635.5	11397.9	8244.7	5455.5	3735.6	2443.4	1624.4	1346.8	1260.4	1251.3	1255.8
25°	14683.0	13131.4	8904.4	5337.2	3321.5	1883.7	1328.6	1142.1	1114.8	1101.1	1123.9
27.5°	15570.3	14177.9	9254.8	5082.4	2943.9	1697.2	1310.4	1133.0	1055.6	1032.9	1046.5
30°	16666.8	14874.1	9805.3	4645.6	2388.8	1396.9	1224.0	1233.1	1196.7	1082.9	1046.5
32.5°	18122.8	15743.2	10082.9	4336.2	2134.0	1155.7	896.4	823.6	919.1	937.3	969.2
35°	19055.6	16625.9	10223.9	4154.2	2002.0	987.4	759.9	691.6	668.9	673.4	691.6
37.5°	20789.2	17818.0	10401.4	3963.1	1901.9	860.0	687.1	623.4	591.5	591.5	609.7
40°	21826.6	18764.4	10642.6	3858.4	1801.8	782.6	623.4	568.8	541.5	541.5	550.6
42.5°	22085.9	19233.0	10560.7	3822.0	1688.1	764.4	568.8	527.8	496.0	491.4	486.9
45°	22550.0	19947.4	10574.3	3781.1	1569.8	696.2	536.9	491.4	445.9	441.4	436.8
47.5°	23059.6	20461.5	10601.6	3621.8	1456.0	582.4	559.7	455.0	400.4	391.3	391.3
50°	22622.8	20871.1	10838.2	3462.6	1310.4	473.2	550.6	427.7	354.9	341.3	345.8
52.5°	22677.4	21353.4	11338.7	3239.6	1128.4	377.7	445.9	405.0	323.1	300.3	304.9
55°	21803.8	20843.8	11407.0	3003.0	882.7	291.2	341.3	354.9	273.0	263.9	263.9
57.5°	18768.9	17649.6	10064.7	2434.3	582.4	241.2	245.7	309.4	236.6	227.5	232.1
60°	16061.7	14168.8	8099.1	1606.2	364.0	191.1	177.5	314.0	209.3	204.8	218.4
62.5°	14642.0	11643.6	6142.6	996.5	250.3	145.6	122.9	254.8	182.0	182.0	200.2
65°	10578.9	7821.5	3571.8	523.3	177.5	113.8	91.0	145.6	150.2	154.7	163.8
67.5°	6552.1	3949.4	1506.1	254.8	118.3	77.4	59.2	91.0	100.1	100.1	109.2
70°	3235.1	1574.3	500.5	145.6	91.0	63.7	41.0	50.1	50.1	45.5	50.1
72.5°	1001.0	473.2	127.4	91.0	63.7	41.0	22.8	18.2	9.1	0.0	4.6
75°	113.8	91.0	81.9	63.7	41.0	18.2	4.6	0.0	0.0	0.0	0.0
77.5°	68.3	77.4	77.4	63.7	41.0	13.7	0.0	0.0	0.0	0.0	0.0
80°	54.6	59.2	63.7	59.2	36.4	18.2	0.0	0.0	0.0	0.0	0.0
82.5°	68.3	77.4	86.5	77.4	50.1	22.8	9.1	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	13.7	4.6	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: P532863

CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0
2.5°	9973.7	9873.6	10014.6	9805.3	9800.8	9805.3	9746.2	9691.6	9778.0	10010.1	10032.8
5°	7612.2	7826.1	7894.3	8117.3	7994.4	7812.4	7848.8	7726.0	8026.3	8158.2	8053.6
7.5°	5542.0	5528.3	5987.9	6015.2	6074.3	6078.9	6069.8	5828.6	5582.9	5637.5	5801.3
10°	4299.8	4067.7	4290.7	4267.9	4413.5	4372.6	4431.7	4172.4	4258.8	4258.8	4363.5
12.5°	3503.5	3257.8	3216.9	3157.7	3216.9	3239.6	3262.4	3212.3	3357.9	3426.2	3499.0
15°	2675.4	2538.9	2502.5	2388.8	2407.0	2470.7	2525.3	2548.0	2502.5	2607.2	2616.3
17.5°	1942.9	1938.3	1961.1	1956.5	1938.3	1924.7	1920.1	1861.0	1842.8	1851.9	1888.3
20°	1474.2	1510.6	1588.0	1665.3	1706.3	1656.2	1588.0	1487.9	1446.9	1456.0	1460.6
22.5°	1260.4	1315.0	1419.6	1506.1	1547.0	1456.0	1333.2	1246.7	1228.5	1224.0	1219.4
25°	1142.1	1205.8	1283.1	1310.4	1305.9	1251.3	1160.3	1123.9	1114.8	1105.7	1064.7
27.5°	1078.4	1101.1	1114.8	1146.6	1160.3	1123.9	1101.1	1046.5	1037.4	1037.4	1010.1
30°	1042.0	1028.3	1046.5	1023.8	1042.0	1014.7	1019.2	1019.2	996.5	1005.6	1005.6
32.5°	969.2	973.7	973.7	928.2	941.9	910.0	941.9	969.2	973.7	978.3	1014.7
35°	709.8	791.7	832.7	832.7	846.3	823.6	819.0	787.2	746.2	705.3	687.1
37.5°	623.4	655.2	709.8	741.7	764.4	746.2	705.3	655.2	632.5	614.3	596.1
40°	555.1	582.4	618.8	655.2	700.7	678.0	614.3	591.5	564.2	564.2	546.0
42.5°	500.5	514.2	536.9	591.5	641.6	596.1	550.6	532.4	518.7	514.2	509.6
45°	450.5	455.0	477.8	523.3	582.4	536.9	491.4	468.7	473.2	477.8	473.2
47.5°	405.0	414.1	427.7	482.3	518.7	496.0	445.9	432.3	432.3	432.3	436.8
50°	350.4	373.1	400.4	445.9	473.2	459.6	418.6	400.4	391.3	391.3	395.9
52.5°	314.0	332.2	368.6	423.2	459.6	436.8	395.9	368.6	350.4	345.8	354.9
55°	273.0	304.9	364.0	405.0	455.0	432.3	386.8	354.9	323.1	318.5	318.5
57.5°	245.7	295.8	350.4	400.4	441.4	423.2	386.8	345.8	304.9	300.3	300.3
60°	232.1	286.7	341.3	386.8	441.4	414.1	382.2	336.7	291.2	291.2	286.7
62.5°	218.4	268.5	323.1	368.6	423.2	400.4	368.6	323.1	277.6	277.6	268.5
65°	182.0	232.1	268.5	309.4	368.6	345.8	314.0	282.1	245.7	236.6	241.2
67.5°	127.4	159.3	195.7	236.6	273.0	263.9	250.3	227.5	195.7	191.1	186.6
70°	63.7	86.5	118.3	159.3	191.1	182.0	172.9	154.7	136.5	132.0	132.0
72.5°	9.1	27.3	50.1	72.8	100.1	104.7	100.1	95.6	91.0	86.5	91.0
75°	0.0	0.0	0.0	18.2	41.0	50.1	59.2	68.3	68.3	59.2	72.8
77.5°	0.0	0.0	0.0	0.0	4.6	22.8	45.5	59.2	72.8	63.7	86.5
80°	0.0	0.0	0.0	0.0	4.6	27.3	45.5	63.7	72.8	63.7	91.0
82.5°	0.0	0.0	0.0	0.0	4.6	31.9	45.5	59.2	68.3	63.7	81.9
85°	0.0	0.0	0.0	0.0	13.7	27.3	18.2	9.1	4.6	4.6	13.7
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: P532863

CATALOG NUMBER: GLAN-SA8B-730-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0	11730.0
2.5°	10160.2	10483.3	10829.1	10961.1	11370.6	11680.0	11889.3	12339.7	12408.0	12412.5
5°	8162.8	8326.6	8918.1	9195.6	9805.3	10278.5	10783.6	11511.6	11998.5	12034.9
7.5°	5801.3	6256.3	6506.6	7230.0	7980.8	8722.4	9473.2	10319.5	10883.7	10897.4
10°	4668.3	4964.1	5410.0	5951.5	6583.9	7339.2	8340.2	9323.0	9896.3	10037.4
12.5°	3758.3	4277.0	4786.6	5346.3	5828.6	6397.4	7475.7	8786.1	9259.3	9541.4
15°	2893.8	3367.0	3967.6	4622.8	5168.8	5928.7	7157.2	8654.2	9450.4	9546.0
17.5°	2134.0	2557.1	3112.2	3731.0	4550.0	5628.4	7211.8	9323.0	10073.8	10233.0
20°	1533.4	1779.1	2215.9	2934.8	3976.7	5278.1	7266.4	10001.0	11143.1	11416.1
22.5°	1214.9	1315.0	1601.6	2238.6	3335.2	4909.5	7653.2	11297.8	12612.7	13008.6
25°	1055.6	1110.2	1246.7	1765.4	2930.2	4873.1	8272.0	12853.9	14569.2	14855.9
27.5°	1019.2	1028.3	1146.6	1619.8	2711.8	4631.9	8508.6	13959.5	15788.7	16079.9
30°	1073.8	1219.4	1228.5	1369.6	2306.9	4154.2	8631.4	15028.8	16821.5	17035.4
32.5°	928.2	882.7	914.6	1060.2	2029.3	3876.6	8863.5	15961.6	18000.0	18150.1
35°	646.1	678.0	750.8	919.1	1774.5	3585.4	8922.6	16989.9	19119.3	19274.0
37.5°	596.1	614.3	673.4	782.6	1560.7	3421.6	8840.7	17740.6	20279.5	20493.4
40°	555.1	577.9	609.7	709.8	1401.4	3239.6	8727.0	18418.6	20989.4	21517.2
42.5°	523.3	541.5	568.8	678.0	1264.9	3057.6	8567.7	19374.1	21626.4	22085.9
45°	486.9	514.2	546.0	659.8	1187.6	2934.8	8449.4	19314.9	21994.9	22240.6
47.5°	450.5	496.0	532.4	614.3	1164.8	2875.6	8499.5	19092.0	21694.6	21526.3
50°	414.1	473.2	536.9	509.6	1110.2	2757.3	8558.6	19396.8	20980.3	20948.4
52.5°	382.2	450.5	500.5	418.6	987.4	2643.6	9131.9	19797.2	21485.3	21062.2
55°	336.7	405.0	400.4	336.7	800.8	2557.1	9582.4	19806.3	21144.1	21303.3
57.5°	304.9	359.5	314.0	282.1	591.5	2138.5	8849.8	16607.7	18100.1	18382.2
60°	282.1	350.4	236.6	223.0	386.8	1542.5	7726.0	12863.0	14387.2	14919.6
62.5°	259.4	332.2	186.6	182.0	268.5	1096.6	6351.9	10765.4	12398.9	13122.3
65°	227.5	236.6	150.2	141.1	191.1	591.5	3867.5	7412.0	9268.4	9536.9
67.5°	186.6	182.0	122.9	113.8	127.4	286.7	1706.3	3712.8	5373.6	5824.1
70°	150.2	150.2	104.7	91.0	91.0	132.0	445.9	1478.8	2429.7	2689.1
72.5°	109.2	113.8	81.9	72.8	68.3	63.7	72.8	295.8	637.0	814.5
75°	95.6	100.1	81.9	63.7	50.1	41.0	31.9	27.3	36.4	59.2
77.5°	104.7	104.7	86.5	59.2	45.5	31.9	18.2	9.1	9.1	4.6
80°	132.0	136.5	113.8	77.4	54.6	36.4	22.8	9.1	4.6	4.6
82.5°	141.1	154.7	127.4	95.6	68.3	41.0	22.8	4.6	0.0	0.0
85°	36.4	59.2	100.1	86.5	68.3	41.0	22.8	4.6	0.0	0.0
87.5°	0.0	4.6	13.7	13.7	18.2	18.2	13.7	4.6	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)