

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: P533773

Luminaire Tested: **GLAN-SA9B-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533773
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-SA9B-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 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: 23850 lumens
Efficiency: N/A
Efficacy: 65.5 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

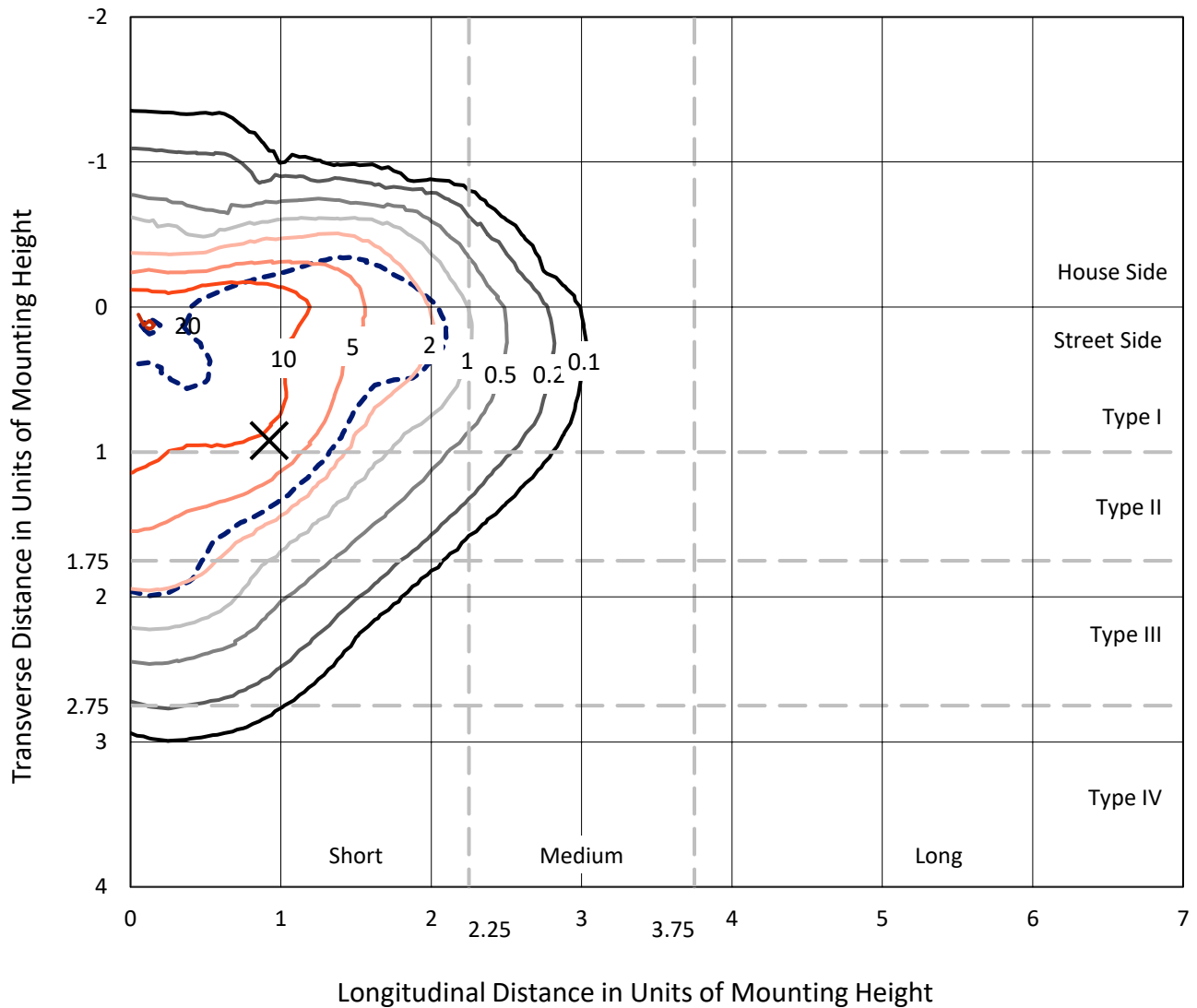
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

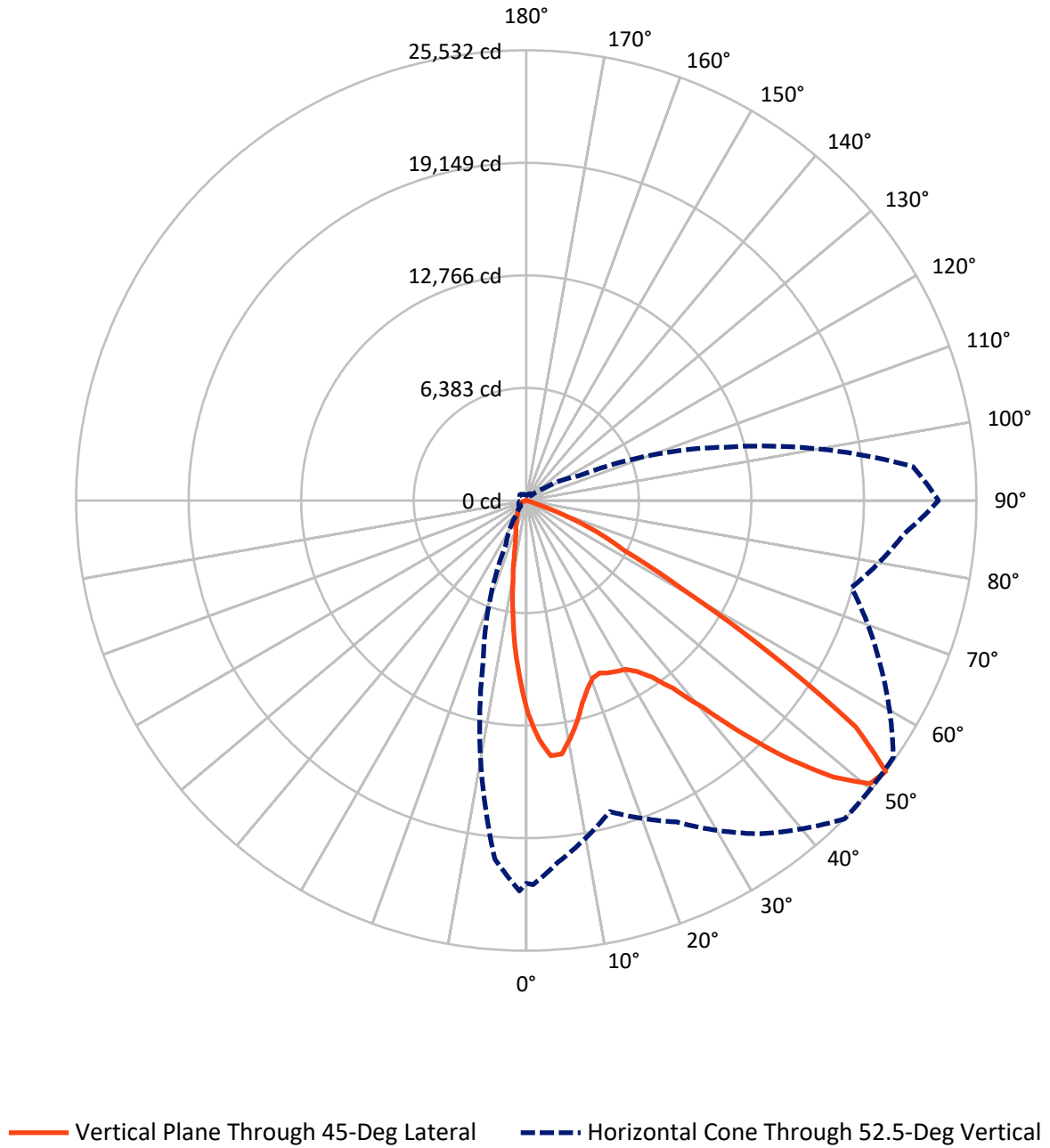
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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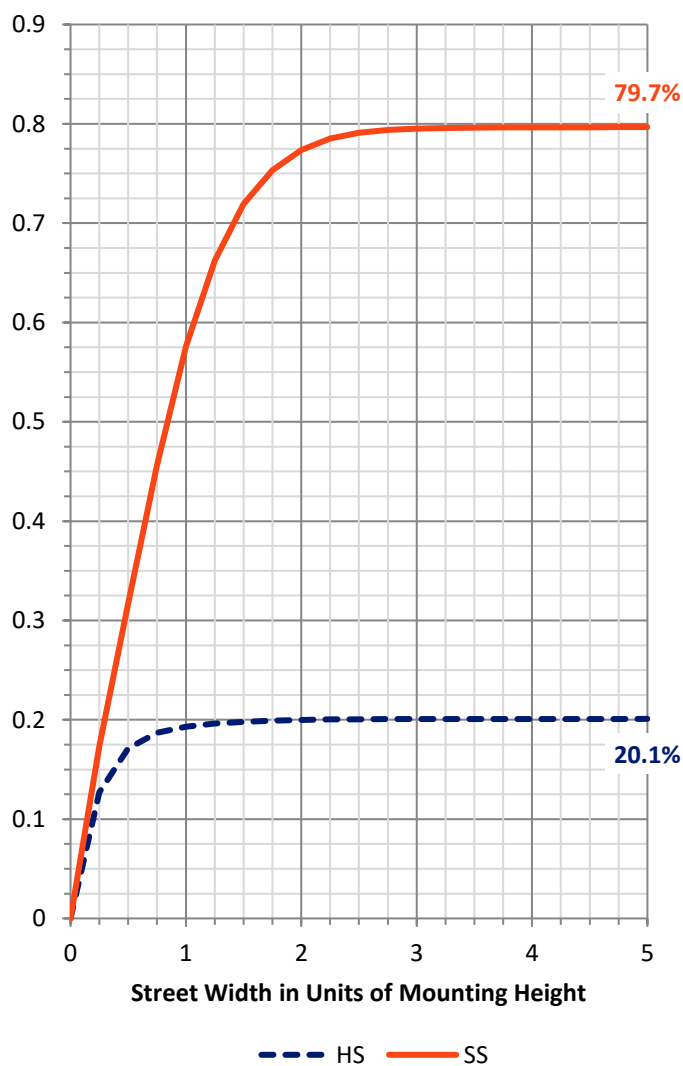
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4840.4	0.0	4840.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19009.6	0.0	19009.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	23850.0	0.0	23850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.9	3.7
10°-20°	1740.0	7.3
20°-30°	2648.0	11.1
30°-40°	3957.8	16.6
40°-50°	5636.2	23.6
50°-60°	6058.8	25.4
60°-70°	2684.8	11.3
70°-80°	217.2	0.9
80°-90°	25.3	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°	23850.0	100.0
0°-180°	23850.0	100.0

Coefficient of Utilization



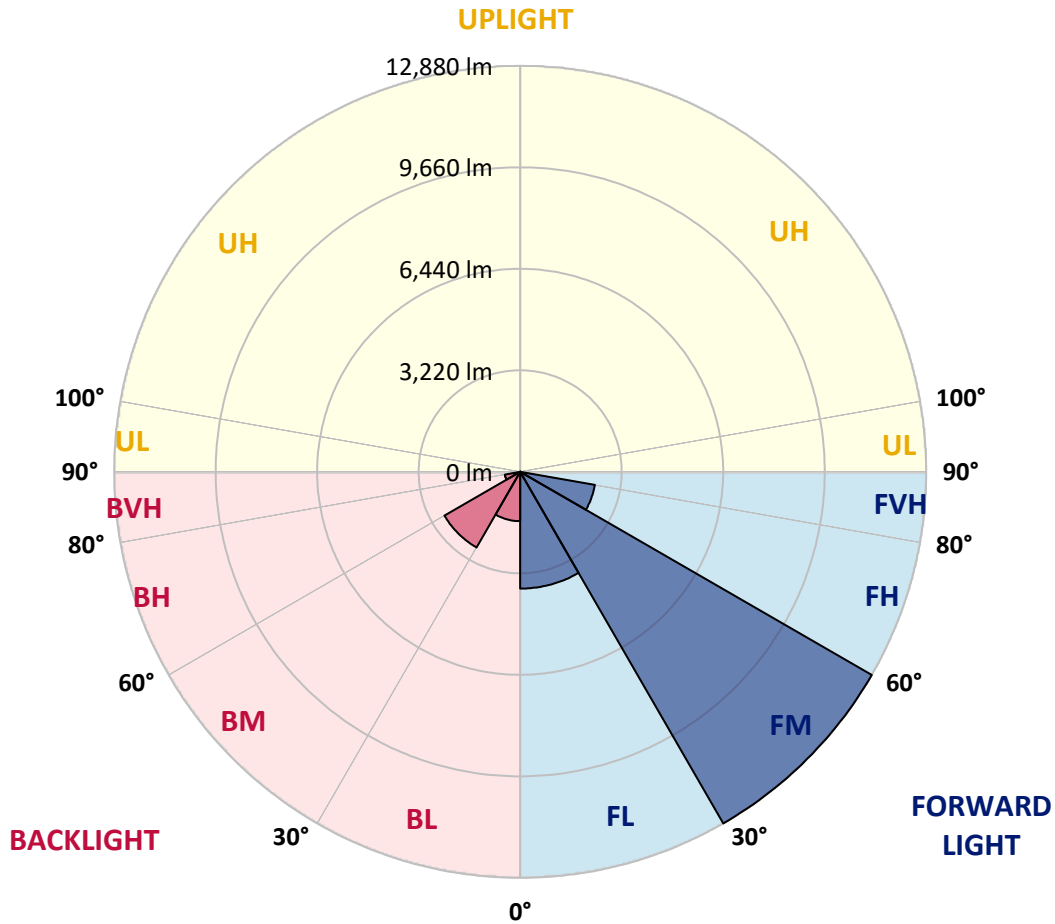
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3704.4	15.5			
FM (30°-60°)	12879.7	54.0			
FH (60°-80°)	2406.7	10.1			G2/5000
FVH (80°-90°)	18.8	0.1			G1/100
BL (0°-30°)	1565.6	6.6	B3/2500		
BM (30°-60°)	2773.0	11.6	B3/5000		
BH (60°-80°)	495.2	2.1	B1/500		G1/500
BVH (80°-90°)	6.6	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°	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1
2.5°	12796.7	12834.2	13040.6	13298.6	13434.6	13744.2	13528.5	13584.8	13467.5	13054.7	12731.0
5°	12407.3	12402.7	12665.3	13303.3	13908.4	14522.9	14541.7	14213.3	13636.4	13003.1	12097.7
7.5°	11234.6	11417.6	11689.6	12707.6	13828.7	14288.4	14508.9	14124.2	13237.6	12332.3	11351.9
10°	10348.1	10441.9	10901.6	12130.6	12951.5	13566.0	13702.0	13481.6	12801.4	11670.9	10573.2
12.5°	9836.8	9883.7	10423.1	11455.1	12322.9	12777.9	12843.6	12946.8	12458.9	11398.8	10080.7
15°	9841.4	9879.0	10606.1	11469.2	11811.6	11689.6	11905.4	11900.7	12111.8	11347.2	10493.5
17.5°	10549.8	10592.0	11248.7	11675.6	11525.5	11239.3	11225.2	11441.0	11886.7	11989.9	11117.4
20°	11769.4	11867.9	12351.1	12327.6	11483.2	10906.3	10746.8	10911.0	11947.6	12534.0	12374.5
22.5°	13411.2	13547.2	13885.0	13237.6	11675.6	10681.1	10629.5	10948.5	12351.1	13748.9	13800.5
25°	15315.7	15545.5	15709.7	14879.4	12360.4	11070.4	10826.5	11375.4	12895.2	15067.1	15615.9
27.5°	16577.5	16816.8	16779.2	15592.4	12820.1	11173.6	10967.3	11478.6	13369.0	15381.4	16563.5
30°	17562.6	17708.0	17970.7	15977.1	13279.8	11464.5	11112.7	11914.8	13523.8	15925.5	17708.0
32.5°	18711.9	18810.4	18829.1	16657.3	13988.2	11830.4	11563.0	12458.9	14208.6	16446.2	18721.3
35°	19870.5	20015.9	19711.0	17496.9	14424.4	12510.5	12313.5	13401.8	14757.5	16985.6	19837.7
37.5°	21127.7	21202.7	20499.1	17844.1	15048.3	13617.6	13509.7	14419.7	15709.7	17961.3	21076.1
40°	22183.1	22253.5	21338.8	18270.9	15705.0	15165.6	15442.3	16361.7	17004.4	18594.6	21695.3
42.5°	22769.5	22933.7	21620.2	18036.4	17023.2	16920.0	18149.0	18472.6	18505.5	18772.9	22248.8
45°	22929.0	22853.9	21155.8	18228.7	18177.1	19804.8	20921.3	21348.1	19997.2	19101.2	22389.5
47.5°	22192.5	22291.0	20470.9	18059.8	19692.3	21990.8	23435.6	24228.3	21108.9	18815.1	22042.4
50°	21596.8	21470.1	20250.5	17937.9	20100.4	23022.8	25250.9	25429.2	22131.5	19166.9	21662.4
52.5°	21714.0	21793.8	20602.3	18261.6	20109.8	23083.8	25532.4	25410.4	22164.4	19087.1	21526.4
55°	21962.6	21610.8	20452.2	17548.5	18763.5	21381.0	22661.6	22474.0	20456.9	18238.1	21193.3
57.5°	18951.1	19495.2	18805.7	15667.5	15400.1	16108.4	16085.0	16662.0	15259.4	15695.6	19293.5
60°	15381.4	15475.2	15733.2	13401.8	10657.7	10413.7	10076.0	9710.1	10268.3	13420.6	17548.5
62.5°	13528.5	13415.9	14335.3	12191.6	7524.2	6299.8	6243.5	6468.7	7922.9	12801.4	16460.3
65°	9832.1	9972.8	10638.9	9461.5	5647.8	4808.1	4723.7	5389.8	6412.4	10258.9	12562.1
67.5°	6004.3	6276.4	6337.4	5835.4	3832.4	3044.4	2922.4	3527.5	4629.9	6637.6	7364.7
70°	2772.3	3100.7	3410.3	3185.1	2218.8	1252.5	1182.1	1482.3	2336.1	3818.4	3907.5
72.5°	839.7	844.4	1182.1	1233.7	717.7	281.5	248.6	328.4	792.8	1261.8	1327.5
75°	61.0	65.7	159.5	182.9	136.0	70.4	75.1	89.1	168.9	281.5	211.1
77.5°	4.7	4.7	4.7	23.5	42.2	46.9	61.0	70.4	89.1	103.2	93.8
80°	4.7	0.0	4.7	18.8	32.8	46.9	56.3	65.7	70.4	79.7	70.4
82.5°	0.0	0.0	0.0	14.1	32.8	46.9	51.6	70.4	79.7	93.8	79.7
85°	0.0	0.0	0.0	14.1	32.8	51.6	46.9	23.5	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°	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1
2.5°	12787.3	12604.4	12186.9	11975.8	11478.6	11408.2	10920.3	10840.6	10676.4	10587.3	10371.5
5°	11699.0	11478.6	10798.4	10226.1	9560.0	9095.6	8739.1	8415.4	8227.8	8054.2	8134.0
7.5°	10812.5	10169.8	9414.6	8457.6	7688.3	7191.1	6647.0	6201.3	5938.6	5760.4	5802.6
10°	9883.7	9466.2	8415.4	7341.2	6412.4	6060.6	5633.7	5291.3	4920.7	4601.7	4451.6
12.5°	9592.8	8973.6	7655.5	6562.5	5858.9	5516.5	5028.6	4634.6	4160.8	3771.5	3635.4
15°	9644.4	9048.7	7449.1	6281.1	5450.8	4859.7	4278.1	3790.2	3269.5	2997.5	2856.7
17.5°	10484.1	9452.1	7585.1	5985.5	4883.2	4062.3	3344.6	2725.4	2336.1	2054.6	1993.6
20°	11516.1	10324.6	7876.0	5769.8	4418.8	3232.0	2443.9	1909.2	1585.5	1538.6	1524.5
22.5°	13026.5	11750.6	8499.9	5624.4	3851.2	2519.0	1674.6	1388.5	1299.4	1290.0	1294.7
25°	15137.4	13537.8	9180.0	5502.4	3424.3	1942.0	1369.7	1177.4	1149.3	1135.2	1158.6
27.5°	16052.2	14616.7	9541.2	5239.7	3035.0	1749.7	1351.0	1168.0	1088.3	1064.8	1078.9
30°	17182.7	15334.4	10108.8	4789.4	2462.7	1440.1	1261.8	1271.2	1233.7	1116.4	1078.9
32.5°	18683.7	16230.4	10395.0	4470.4	2200.0	1191.5	924.1	849.0	947.6	966.3	999.2
35°	19645.4	17140.4	10540.4	4282.8	2064.0	1017.9	783.4	713.0	689.6	694.2	713.0
37.5°	21432.6	18369.4	10723.3	4085.7	1960.8	886.6	708.3	642.6	609.8	609.8	628.6
40°	22502.1	19345.1	10971.9	3977.9	1857.6	806.8	642.6	586.4	558.2	558.2	567.6
42.5°	22769.5	19828.3	10887.5	3940.3	1740.3	788.1	586.4	544.1	511.3	506.6	501.9
45°	23247.9	20564.8	10901.6	3898.1	1618.3	717.7	553.5	506.6	459.7	455.0	450.3
47.5°	23773.3	21094.8	10929.7	3733.9	1501.1	600.4	577.0	469.1	412.8	403.4	403.4
50°	23323.0	21517.0	11173.6	3569.8	1351.0	487.9	567.6	440.9	365.9	351.8	356.5
52.5°	23379.3	22014.2	11689.6	3339.9	1163.3	389.3	459.7	417.5	333.1	309.6	314.3
55°	22478.6	21488.9	11760.0	3096.0	910.0	300.2	351.8	365.9	281.5	272.1	272.1
57.5°	19349.8	18195.9	10376.2	2509.6	600.4	248.6	253.3	319.0	243.9	234.5	239.2
60°	16558.8	14607.4	8349.7	1655.9	375.3	197.0	182.9	323.7	215.8	211.1	225.2
62.5°	15095.2	12003.9	6332.7	1027.3	258.0	150.1	126.7	262.7	187.6	187.6	206.4
65°	10906.3	8063.6	3682.3	539.4	182.9	117.3	93.8	150.1	154.8	159.5	168.9
67.5°	6754.9	4071.7	1552.7	262.7	122.0	79.7	61.0	93.8	103.2	103.2	112.6
70°	3335.2	1623.0	516.0	150.1	93.8	65.7	42.2	51.6	51.6	46.9	51.6
72.5°	1032.0	487.9	131.3	93.8	65.7	42.2	23.5	18.8	9.4	0.0	4.7
75°	117.3	93.8	84.4	65.7	42.2	18.8	4.7	0.0	0.0	0.0	0.0
77.5°	70.4	79.7	79.7	65.7	42.2	14.1	0.0	0.0	0.0	0.0	0.0
80°	56.3	61.0	65.7	61.0	37.5	18.8	0.0	0.0	0.0	0.0	0.0
82.5°	70.4	79.7	89.1	79.7	51.6	23.5	9.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	14.1	4.7	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°	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1
2.5°	10282.4	10179.2	10324.6	10108.8	10104.1	10108.8	10047.8	9991.5	10080.7	10319.9	10343.4
5°	7847.8	8068.3	8138.7	8368.5	8241.9	8054.2	8091.7	7965.1	8274.7	8410.7	8302.8
7.5°	5713.5	5699.4	6173.2	6201.3	6262.3	6267.0	6257.6	6009.0	5755.7	5812.0	5980.9
10°	4432.9	4193.6	4423.5	4400.0	4550.1	4507.9	4568.9	4301.5	4390.7	4390.7	4498.5
12.5°	3612.0	3358.7	3316.4	3255.5	3316.4	3339.9	3363.4	3311.8	3461.9	3532.2	3607.3
15°	2758.2	2617.5	2580.0	2462.7	2481.5	2547.1	2603.4	2626.9	2580.0	2687.9	2697.2
17.5°	2003.0	1998.3	2021.8	2017.1	1998.3	1984.2	1979.5	1918.6	1899.8	1909.2	1946.7
20°	1519.8	1557.4	1637.1	1716.9	1759.1	1707.5	1637.1	1533.9	1491.7	1501.1	1505.8
22.5°	1299.4	1355.7	1463.6	1552.7	1594.9	1501.1	1374.4	1285.3	1266.5	1261.8	1257.2
25°	1177.4	1243.1	1322.8	1351.0	1346.3	1290.0	1196.2	1158.6	1149.3	1139.9	1097.7
27.5°	1111.7	1135.2	1149.3	1182.1	1196.2	1158.6	1135.2	1078.9	1069.5	1069.5	1041.4
30°	1074.2	1060.1	1078.9	1055.4	1074.2	1046.1	1050.8	1050.8	1027.3	1036.7	1036.7
32.5°	999.2	1003.8	1003.8	956.9	971.0	938.2	971.0	999.2	1003.8	1008.5	1046.1
35°	731.8	816.2	858.4	858.4	872.5	849.0	844.4	811.5	769.3	727.1	708.3
37.5°	642.6	675.5	731.8	764.6	788.1	769.3	727.1	675.5	652.0	633.3	614.5
40°	572.3	600.4	638.0	675.5	722.4	698.9	633.3	609.8	581.7	581.7	562.9
42.5°	516.0	530.1	553.5	609.8	661.4	614.5	567.6	548.8	534.8	530.1	525.4
45°	464.4	469.1	492.5	539.4	600.4	553.5	506.6	483.2	487.9	492.5	487.9
47.5°	417.5	426.9	440.9	497.2	534.8	511.3	459.7	445.6	445.6	445.6	450.3
50°	361.2	384.7	412.8	459.7	487.9	473.8	431.6	412.8	403.4	403.4	408.1
52.5°	323.7	342.4	380.0	436.3	473.8	450.3	408.1	380.0	361.2	356.5	365.9
55°	281.5	314.3	375.3	417.5	469.1	445.6	398.7	365.9	333.1	328.4	328.4
57.5°	253.3	304.9	361.2	412.8	455.0	436.3	398.7	356.5	314.3	309.6	309.6
60°	239.2	295.5	351.8	398.7	455.0	426.9	394.0	347.1	300.2	300.2	295.5
62.5°	225.2	276.8	333.1	380.0	436.3	412.8	380.0	333.1	286.1	286.1	276.8
65°	187.6	239.2	276.8	319.0	380.0	356.5	323.7	290.8	253.3	243.9	248.6
67.5°	131.3	164.2	201.7	243.9	281.5	272.1	258.0	234.5	201.7	197.0	192.3
70°	65.7	89.1	122.0	164.2	197.0	187.6	178.3	159.5	140.7	136.0	136.0
72.5°	9.4	28.1	51.6	75.1	103.2	107.9	103.2	98.5	93.8	89.1	93.8
75°	0.0	0.0	0.0	18.8	42.2	51.6	61.0	70.4	70.4	61.0	75.1
77.5°	0.0	0.0	0.0	0.0	4.7	23.5	46.9	61.0	75.1	65.7	89.1
80°	0.0	0.0	0.0	0.0	4.7	28.1	46.9	65.7	75.1	65.7	93.8
82.5°	0.0	0.0	0.0	0.0	4.7	32.8	46.9	61.0	70.4	65.7	84.4
85°	0.0	0.0	0.0	0.0	14.1	28.1	18.8	9.4	4.7	4.7	14.1
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: P533773

CATALOG NUMBER: GLAN-SA9B-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1	12093.1
2.5°	10474.7	10807.8	11164.3	11300.3	11722.5	12041.5	12257.2	12721.6	12792.0	12796.7
5°	8415.4	8584.3	9194.1	9480.2	10108.8	10596.7	11117.4	11867.9	12369.8	12407.3
7.5°	5980.9	6449.9	6707.9	7453.8	8227.8	8992.4	9766.4	10638.9	11220.6	11234.6
10°	4812.8	5117.7	5577.4	6135.7	6787.7	7566.4	8598.4	9611.6	10202.6	10348.1
12.5°	3874.7	4409.4	4934.8	5511.8	6009.0	6595.4	7707.1	9058.1	9545.9	9836.8
15°	2983.4	3471.2	4090.4	4765.9	5328.8	6112.2	7378.7	8922.0	9742.9	9841.4
17.5°	2200.0	2636.3	3208.6	3846.5	4690.9	5802.6	7435.0	9611.6	10385.6	10549.8
20°	1580.8	1834.1	2284.5	3025.6	4099.8	5441.4	7491.3	10310.5	11487.9	11769.4
22.5°	1252.5	1355.7	1651.2	2307.9	3438.4	5061.4	7890.0	11647.4	13003.1	13411.2
25°	1088.3	1144.6	1285.3	1820.1	3020.9	5023.9	8528.0	13251.7	15020.2	15315.7
27.5°	1050.8	1060.1	1182.1	1669.9	2795.8	4775.3	8771.9	14391.6	16277.3	16577.5
30°	1107.0	1257.2	1266.5	1412.0	2378.3	4282.8	8898.6	15493.9	17342.1	17562.6
32.5°	956.9	910.0	942.9	1093.0	2092.1	3996.6	9137.8	16455.6	18557.1	18711.9
35°	666.1	698.9	774.0	947.6	1829.4	3696.4	9198.8	17515.7	19711.0	19870.5
37.5°	614.5	633.3	694.2	806.8	1609.0	3527.5	9114.4	18289.7	20907.2	21127.7
40°	572.3	595.7	628.6	731.8	1444.8	3339.9	8997.1	18988.6	21639.0	22183.1
42.5°	539.4	558.2	586.4	698.9	1304.1	3152.3	8832.9	19973.7	22295.7	22769.5
45°	501.9	530.1	562.9	680.2	1224.3	3025.6	8710.9	19912.7	22675.7	22929.0
47.5°	464.4	511.3	548.8	633.3	1200.9	2964.6	8762.5	19682.9	22366.1	22192.5
50°	426.9	487.9	553.5	525.4	1144.6	2842.7	8823.5	19997.2	21629.6	21596.8
52.5°	394.0	464.4	516.0	431.6	1017.9	2725.4	9414.6	20410.0	22150.3	21714.0
55°	347.1	417.5	412.8	347.1	825.6	2636.3	9879.0	20419.3	21798.5	21962.6
57.5°	314.3	370.6	323.7	290.8	609.8	2204.7	9123.7	17121.7	18660.3	18951.1
60°	290.8	361.2	243.9	229.9	398.7	1590.2	7965.1	13261.1	14832.5	15381.4
62.5°	267.4	342.4	192.3	187.6	276.8	1130.5	6548.5	11098.6	12782.6	13528.5
65°	234.5	243.9	154.8	145.4	197.0	609.8	3987.2	7641.4	9555.3	9832.1
67.5°	192.3	187.6	126.7	117.3	131.3	295.5	1759.1	3827.7	5539.9	6004.3
70°	154.8	154.8	107.9	93.8	93.8	136.0	459.7	1524.5	2504.9	2772.3
72.5°	112.6	117.3	84.4	75.1	70.4	65.7	75.1	304.9	656.7	839.7
75°	98.5	103.2	84.4	65.7	51.6	42.2	32.8	28.1	37.5	61.0
77.5°	107.9	107.9	89.1	61.0	46.9	32.8	18.8	9.4	9.4	4.7
80°	136.0	140.7	117.3	79.7	56.3	37.5	23.5	9.4	4.7	4.7
82.5°	145.4	159.5	131.3	98.5	70.4	42.2	23.5	4.7	0.0	0.0
85°	37.5	61.0	103.2	89.1	70.4	42.2	23.5	4.7	0.0	0.0
87.5°	0.0	4.7	14.1	14.1	18.8	18.8	14.1	4.7	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)