

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: P532369

Luminaire Tested: **GLAN-SA7D-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532369
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-727-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 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: 24912 lumens
Efficiency: N/A
Efficacy: 57.5 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

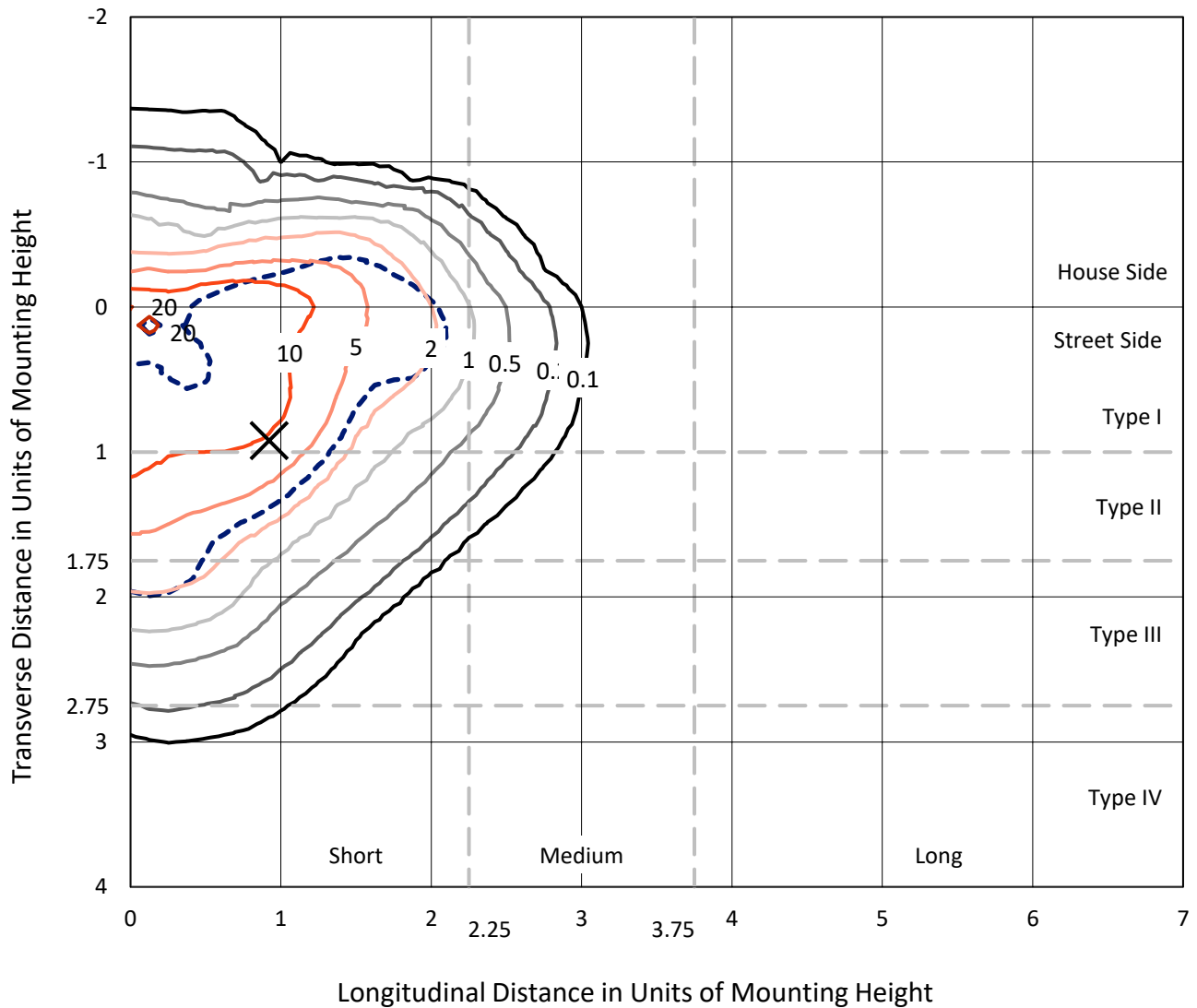
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

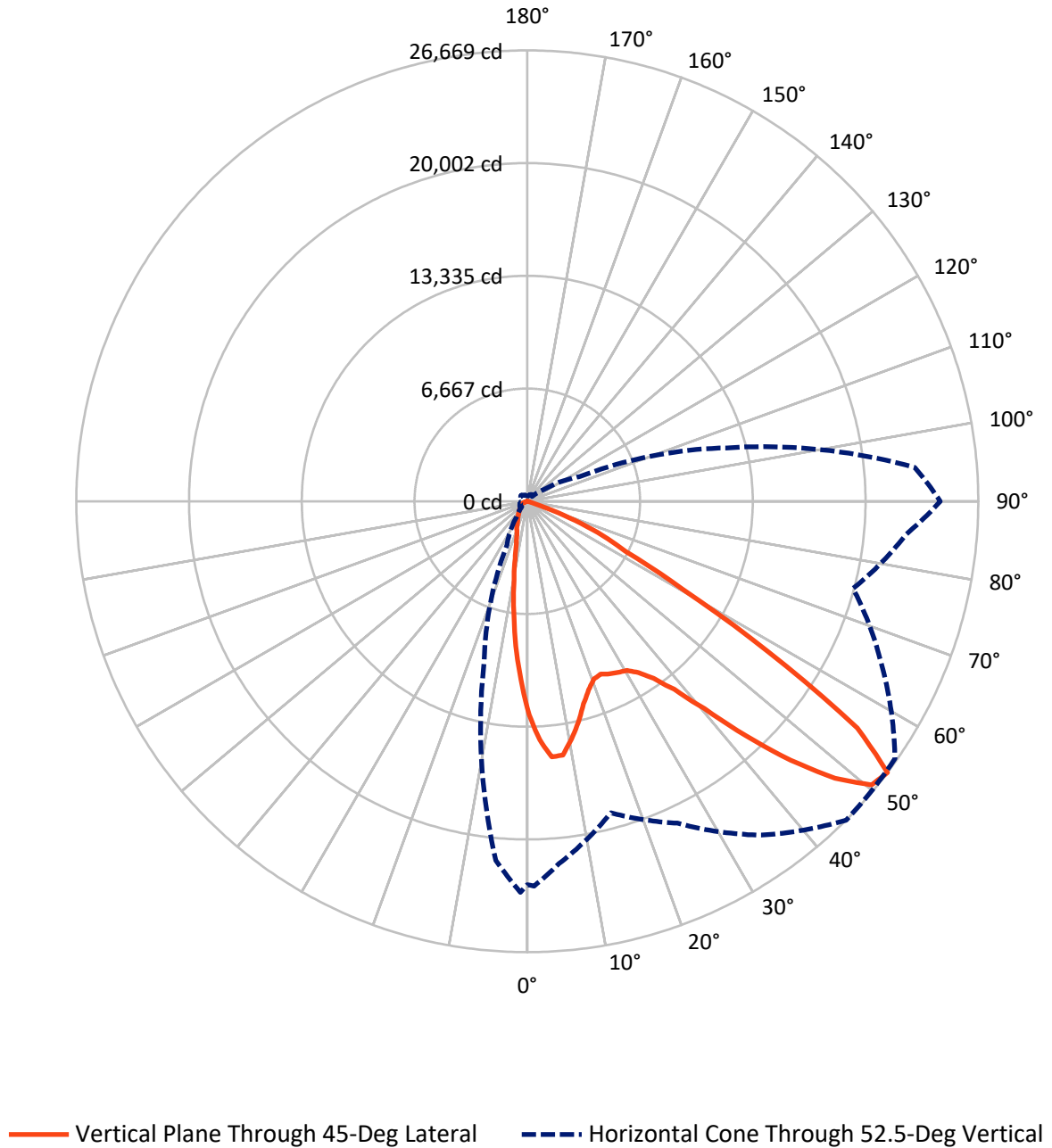
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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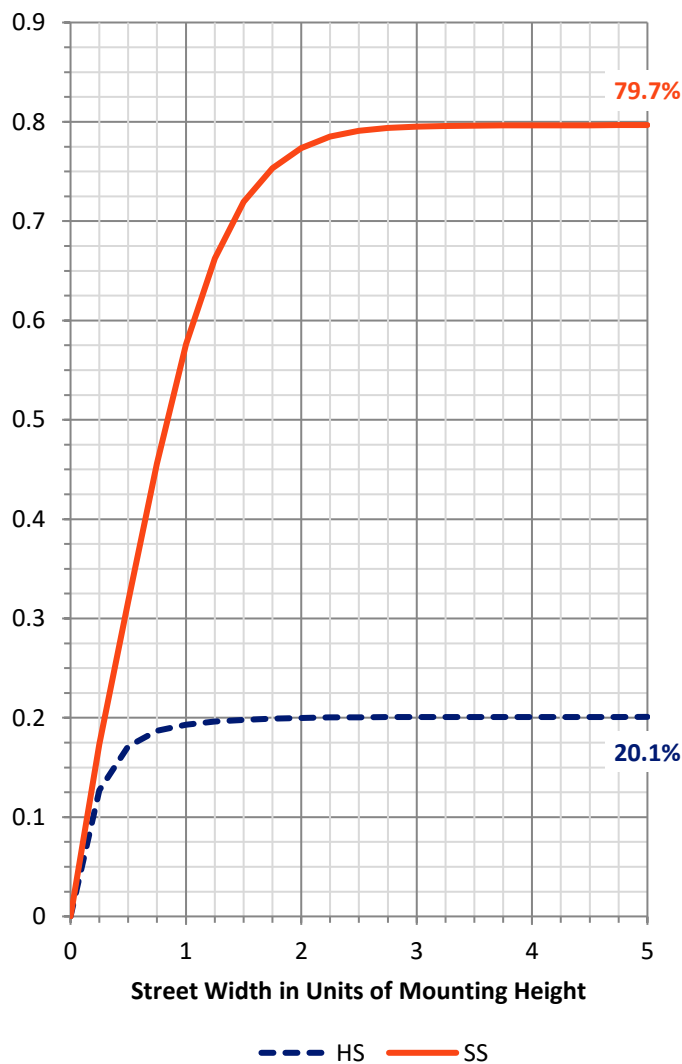
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5055.9	0.0	5055.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19856.1	0.0	19856.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	24912.0	0.0	24912.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.2	3.7
10°-20°	1817.5	7.3
20°-30°	2765.9	11.1
30°-40°	4134.0	16.6
40°-50°	5887.2	23.6
50°-60°	6328.6	25.4
60°-70°	2804.3	11.3
70°-80°	226.9	0.9
80°-90°	26.4	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°	24912.0	100.0
0°-180°	24912.0	100.0

Coefficient of Utilization



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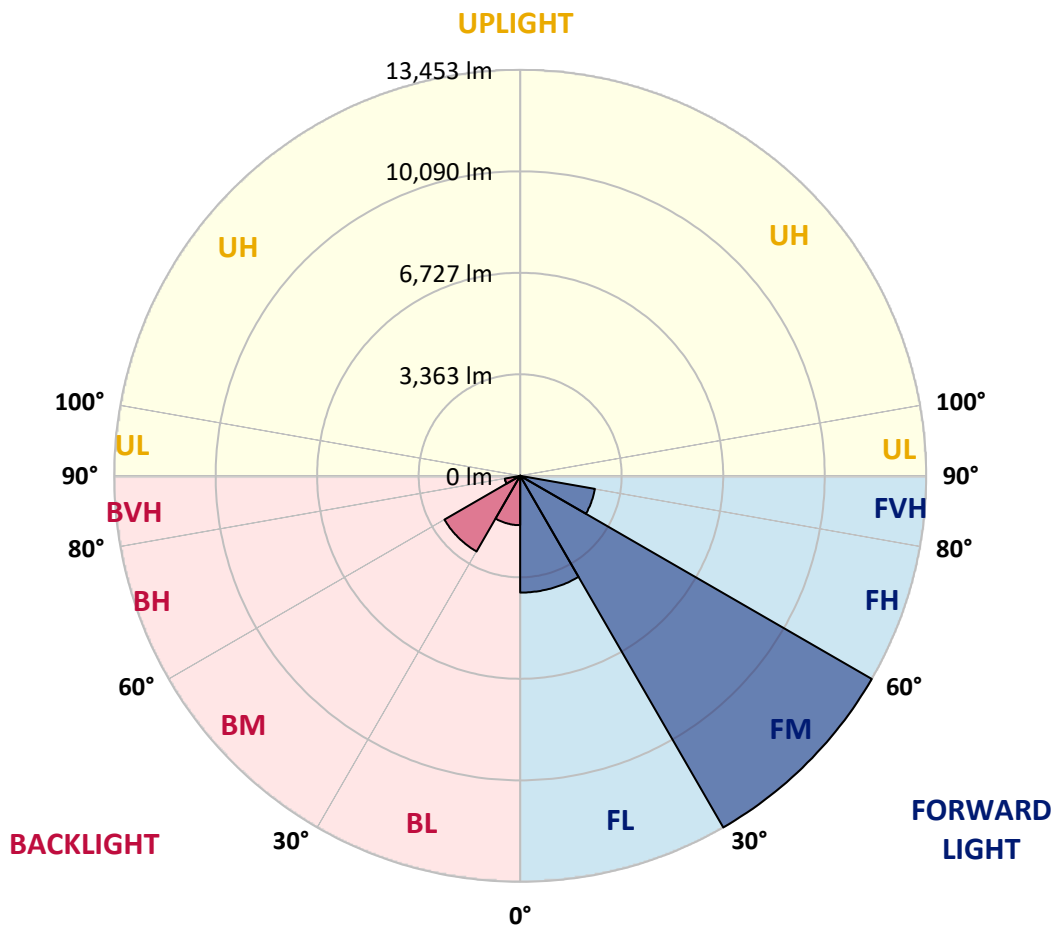
CATALOG NUMBER: GLAN-SA7D-727-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3869.3	15.5			
FM (30°-60°)	13453.3	54.0			
FH (60°-80°)	2513.9	10.1			G2/5000
FVH (80°-90°)	19.6	0.1			G1/100
BL (0°-30°)	1635.3	6.6	B3/2500		
BM (30°-60°)	2896.5	11.6	B3/5000		
BH (60°-80°)	517.3	2.1	B2/1000		G2/1000
BVH (80°-90°)	6.9	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°	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5
2.5°	13366.5	13405.7	13621.3	13890.8	14032.9	14356.3	14130.9	14189.7	14067.2	13636.0	13297.9
5°	12959.8	12954.9	13229.3	13895.7	14527.7	15169.6	15189.2	14846.2	14243.6	13582.1	12636.4
7.5°	11734.9	11926.0	12210.2	13273.4	14444.4	14924.6	15154.9	14753.1	13827.1	12881.4	11857.4
10°	10808.8	10906.8	11387.0	12670.7	13528.2	14170.1	14312.2	14081.9	13371.4	12190.6	11044.0
12.5°	10274.8	10323.8	10887.2	11965.2	12871.6	13346.9	13415.5	13523.3	13013.7	11906.4	10529.6
15°	10279.7	10318.9	11078.3	11979.9	12337.6	12210.2	12435.6	12430.7	12651.1	11852.5	10960.7
17.5°	11019.5	11063.6	11749.6	12195.5	12038.7	11739.8	11725.1	11950.5	12416.0	12523.7	11612.4
20°	12293.5	12396.4	12901.0	12876.5	11994.6	11391.9	11225.3	11396.8	12479.6	13092.1	12925.5
22.5°	14008.4	14150.5	14503.2	13827.1	12195.5	11156.7	11102.8	11436.0	12901.0	14361.2	14415.0
25°	15997.7	16237.8	16409.2	15542.0	12910.8	11563.4	11308.6	11881.9	13469.4	15738.0	16311.3
27.5°	17315.7	17565.6	17526.4	16286.8	13391.0	11671.2	11455.6	11989.7	13964.3	16066.3	17301.0
30°	18344.6	18496.5	18770.9	16688.5	13871.2	11975.0	11607.5	12445.4	14126.0	16634.6	18496.5
32.5°	19545.1	19648.0	19667.6	17399.0	14611.0	12357.2	12077.9	13013.7	14841.3	17178.5	19554.9
35°	20755.3	20907.2	20588.7	18276.0	15066.7	13067.6	12861.8	13998.6	15414.6	17742.0	20721.0
37.5°	22068.5	22146.8	21411.9	18638.6	15718.4	14224.0	14111.3	15061.8	16409.2	18761.1	22014.6
40°	23170.9	23244.4	22288.9	19084.5	16404.3	15840.9	16130.0	17090.3	17761.6	19422.6	22661.3
42.5°	23783.4	23954.9	22582.9	18839.5	17781.2	17673.4	18957.1	19295.2	19329.5	19608.8	23239.5
45°	23950.0	23871.6	22097.8	19040.4	18986.5	20686.7	21852.9	22298.7	20887.6	19951.8	23386.5
47.5°	23180.7	23283.6	21382.5	18864.0	20569.1	22970.0	24479.1	25307.2	22048.9	19652.9	23023.9
50°	22558.4	22426.1	21152.2	18736.6	20995.4	24047.9	26375.3	26561.5	23117.0	20020.4	22627.0
52.5°	22680.9	22764.2	21519.7	19074.7	21005.2	24111.6	26669.3	26541.9	23151.3	19937.1	22484.9
55°	22940.6	22573.1	21362.9	18329.9	19599.0	22333.0	23670.7	23474.7	21367.8	19050.2	22137.0
57.5°	19795.0	20363.3	19643.1	16365.1	16085.9	16825.7	16801.2	17403.9	15938.9	16394.5	20152.7
60°	16066.3	16164.3	16433.7	13998.6	11132.2	10877.4	10524.7	10142.5	10725.5	14018.2	18329.9
62.5°	14130.9	14013.3	14973.6	12734.4	7859.2	6580.4	6521.6	6756.7	8275.7	13371.4	17193.2
65°	10269.9	10416.9	11112.6	9882.8	5899.3	5022.2	4934.0	5629.8	6698.0	10715.7	13121.5
67.5°	6271.7	6555.9	6619.6	6095.3	4003.1	3179.9	3052.5	3684.6	4836.0	6933.1	7692.6
70°	2895.7	3238.7	3562.1	3326.9	2317.6	1308.2	1234.7	1548.3	2440.1	3988.4	4081.5
72.5°	877.1	882.0	1234.7	1288.6	749.7	294.0	259.7	343.0	828.1	1318.0	1386.6
75°	63.7	68.6	166.6	191.1	142.1	73.5	78.4	93.1	176.4	294.0	220.5
77.5°	4.9	4.9	4.9	24.5	44.1	49.0	63.7	73.5	93.1	107.8	98.0
80°	4.9	0.0	4.9	19.6	34.3	49.0	58.8	68.6	73.5	83.3	73.5
82.5°	0.0	0.0	0.0	14.7	34.3	49.0	53.9	73.5	83.3	98.0	83.3
85°	0.0	0.0	0.0	14.7	34.3	53.9	49.0	24.5	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°	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5
2.5°	13356.7	13165.6	12729.5	12509.0	11989.7	11916.2	11406.6	11323.3	11151.8	11058.7	10833.3
5°	12220.0	11989.7	11279.2	10681.4	9985.7	9500.6	9128.2	8790.1	8594.2	8412.9	8496.2
7.5°	11293.9	10622.6	9833.8	8834.2	8030.7	7511.3	6942.9	6477.5	6203.1	6016.9	6061.0
10°	10323.8	9887.7	8790.1	7668.1	6698.0	6330.5	5884.6	5526.9	5139.8	4806.6	4649.9
12.5°	10020.0	9373.2	7996.4	6854.7	6119.8	5762.1	5252.5	4840.9	4346.1	3939.4	3797.3
15°	10073.9	9451.6	7780.8	6560.8	5693.5	5076.1	4468.6	3959.0	3415.1	3130.9	2983.9
17.5°	10950.9	9873.0	7922.9	6252.1	5100.6	4243.2	3493.5	2846.8	2440.1	2146.1	2082.4
20°	12028.9	10784.3	8226.7	6026.7	4615.6	3375.9	2552.8	1994.2	1656.1	1607.1	1592.4
22.5°	13606.6	12273.9	8878.3	5874.8	4022.7	2631.2	1749.2	1450.3	1357.2	1347.4	1352.3
25°	15811.5	14140.7	9588.8	5747.4	3576.8	2028.5	1430.7	1229.8	1200.4	1185.7	1210.2
27.5°	16766.9	15267.6	9966.1	5473.0	3170.1	1827.6	1411.1	1220.0	1136.7	1112.2	1126.9
30°	17947.8	16017.3	10558.9	5002.6	2572.4	1504.2	1318.0	1327.8	1288.6	1166.1	1126.9
32.5°	19515.7	16953.1	10857.8	4669.5	2298.0	1244.5	965.2	886.9	989.7	1009.3	1043.6
35°	20520.1	17903.7	11009.7	4473.5	2155.9	1063.2	818.3	744.8	720.3	725.2	744.8
37.5°	22386.9	19187.4	11200.8	4267.7	2048.1	926.1	739.9	671.3	637.0	637.0	656.6
40°	23504.1	20206.5	11460.5	4155.0	1940.3	842.8	671.3	612.5	583.1	583.1	592.9
42.5°	23783.4	20711.2	11372.3	4115.8	1817.8	823.2	612.5	568.4	534.1	529.2	524.3
45°	24283.1	21480.5	11387.0	4071.7	1690.4	749.7	578.2	529.2	480.2	475.3	470.4
47.5°	24831.9	22034.2	11416.4	3900.2	1567.9	627.2	602.7	490.0	431.2	421.4	421.4
50°	24361.5	22475.1	11671.2	3728.7	1411.1	509.6	592.9	460.6	382.2	367.5	372.4
52.5°	24420.3	22994.5	12210.2	3488.6	1215.1	406.7	480.2	436.1	347.9	323.4	328.3
55°	23479.6	22445.7	12283.7	3233.8	950.6	313.6	367.5	382.2	294.0	284.2	284.2
57.5°	20211.4	19006.1	10838.2	2621.4	627.2	259.7	264.6	333.2	254.8	245.0	249.9
60°	17296.1	15257.8	8721.5	1729.6	392.0	205.8	191.1	338.1	225.4	220.5	235.2
62.5°	15767.4	12538.4	6614.7	1073.0	269.5	156.8	132.3	274.4	196.0	196.0	215.6
65°	11391.9	8422.7	3846.3	563.5	191.1	122.5	98.0	156.8	161.7	166.6	176.4
67.5°	7055.6	4253.0	1621.8	274.4	127.4	83.3	63.7	98.0	107.8	107.8	117.6
70°	3483.7	1695.3	539.0	156.8	98.0	68.6	44.1	53.9	53.9	49.0	53.9
72.5°	1077.9	509.6	137.2	98.0	68.6	44.1	24.5	19.6	9.8	0.0	4.9
75°	122.5	98.0	88.2	68.6	44.1	19.6	4.9	0.0	0.0	0.0	0.0
77.5°	73.5	83.3	83.3	68.6	44.1	14.7	0.0	0.0	0.0	0.0	0.0
80°	58.8	63.7	68.6	63.7	39.2	19.6	0.0	0.0	0.0	0.0	0.0
82.5°	73.5	83.3	93.1	83.3	53.9	24.5	9.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	14.7	4.9	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°	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5
2.5°	10740.2	10632.4	10784.3	10558.9	10554.1	10558.9	10495.3	10436.5	10529.6	10779.4	10803.9
5°	8197.3	8427.6	8501.1	8741.1	8608.9	8412.9	8452.1	8319.8	8643.1	8785.2	8672.5
7.5°	5967.9	5953.2	6448.1	6477.5	6541.2	6546.1	6536.3	6276.6	6012.0	6070.8	6247.2
10°	4630.3	4380.4	4620.5	4596.0	4752.8	4708.7	4772.4	4493.1	4586.2	4586.2	4698.9
12.5°	3772.8	3508.2	3464.1	3400.4	3464.1	3488.6	3513.1	3459.2	3616.0	3689.5	3767.9
15°	2881.0	2734.1	2694.9	2572.4	2592.0	2660.6	2719.4	2743.9	2694.9	2807.6	2817.4
17.5°	2092.2	2087.3	2111.8	2106.9	2087.3	2072.6	2067.7	2004.0	1984.4	1994.2	2033.4
20°	1587.5	1626.7	1710.0	1793.3	1837.4	1783.5	1710.0	1602.2	1558.1	1567.9	1572.8
22.5°	1357.2	1416.0	1528.7	1621.8	1665.9	1567.9	1435.6	1342.5	1322.9	1318.0	1313.1
25°	1229.8	1298.4	1381.7	1411.1	1406.2	1347.4	1249.4	1210.2	1200.4	1190.6	1146.5
27.5°	1161.2	1185.7	1200.4	1234.7	1249.4	1210.2	1185.7	1126.9	1117.1	1117.1	1087.7
30°	1122.0	1107.3	1126.9	1102.4	1122.0	1092.6	1097.5	1097.5	1073.0	1082.8	1082.8
32.5°	1043.6	1048.5	1048.5	999.5	1014.2	979.9	1014.2	1043.6	1048.5	1053.4	1092.6
35°	764.4	852.6	896.7	896.7	911.4	886.9	882.0	847.7	803.6	759.5	739.9
37.5°	671.3	705.6	764.4	798.7	823.2	803.6	759.5	705.6	681.1	661.5	641.9
40°	597.8	627.2	666.4	705.6	754.6	730.1	661.5	637.0	607.6	607.6	588.0
42.5°	539.0	553.7	578.2	637.0	690.9	641.9	592.9	573.3	558.6	553.7	548.8
45°	485.1	490.0	514.5	563.5	627.2	578.2	529.2	504.7	509.6	514.5	509.6
47.5°	436.1	445.9	460.6	519.4	558.6	534.1	480.2	465.5	465.5	465.5	470.4
50°	377.3	401.8	431.2	480.2	509.6	494.9	450.8	431.2	421.4	421.4	426.3
52.5°	338.1	357.7	396.9	455.7	494.9	470.4	426.3	396.9	377.3	372.4	382.2
55°	294.0	328.3	392.0	436.1	490.0	465.5	416.5	382.2	347.9	343.0	343.0
57.5°	264.6	318.5	377.3	431.2	475.3	455.7	416.5	372.4	328.3	323.4	323.4
60°	249.9	308.7	367.5	416.5	475.3	445.9	411.6	362.6	313.6	313.6	308.7
62.5°	235.2	289.1	347.9	396.9	455.7	431.2	396.9	347.9	298.9	298.9	289.1
65°	196.0	249.9	289.1	333.2	396.9	372.4	338.1	303.8	264.6	254.8	259.7
67.5°	137.2	171.5	210.7	254.8	294.0	284.2	269.5	245.0	210.7	205.8	200.9
70°	68.6	93.1	127.4	171.5	205.8	196.0	186.2	166.6	147.0	142.1	142.1
72.5°	9.8	29.4	53.9	78.4	107.8	112.7	107.8	102.9	98.0	93.1	98.0
75°	0.0	0.0	0.0	19.6	44.1	53.9	63.7	73.5	73.5	63.7	78.4
77.5°	0.0	0.0	0.0	0.0	4.9	24.5	49.0	63.7	78.4	68.6	93.1
80°	0.0	0.0	0.0	0.0	4.9	29.4	49.0	68.6	78.4	68.6	98.0
82.5°	0.0	0.0	0.0	0.0	4.9	34.3	49.0	63.7	73.5	68.6	88.2
85°	0.0	0.0	0.0	0.0	14.7	29.4	19.6	9.8	4.9	4.9	14.7
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: P532369

CATALOG NUMBER: GLAN-SA7D-727-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5	12631.5
2.5°	10941.1	11289.0	11661.4	11803.5	12244.5	12577.6	12803.0	13288.1	13361.6	13366.5
5°	8790.1	8966.5	9603.5	9902.4	10558.9	11068.5	11612.4	12396.4	12920.6	12959.8
7.5°	6247.2	6737.1	7006.6	7785.7	8594.2	9392.8	10201.3	11112.6	11720.2	11734.9
10°	5027.1	5345.6	5825.8	6408.9	7089.9	7903.3	8981.2	10039.6	10656.9	10808.8
12.5°	4047.2	4605.8	5154.5	5757.2	6276.6	6889.0	8050.3	9461.4	9971.0	10274.8
15°	3116.2	3625.8	4272.6	4978.1	5566.1	6384.4	7707.3	9319.3	10176.8	10279.7
17.5°	2298.0	2753.7	3351.4	4017.8	4899.7	6061.0	7766.1	10039.6	10848.0	11019.5
20°	1651.2	1915.8	2386.2	3160.3	4282.4	5683.7	7824.9	10769.6	11999.5	12293.5
22.5°	1308.2	1416.0	1724.7	2410.7	3591.5	5286.8	8241.4	12166.1	13582.1	14008.4
25°	1136.7	1195.5	1342.5	1901.1	3155.4	5247.6	8907.7	13841.8	15689.0	15997.7
27.5°	1097.5	1107.3	1234.7	1744.3	2920.2	4987.9	9162.5	15032.4	17002.1	17315.7
30°	1156.3	1313.1	1322.9	1474.8	2484.2	4473.5	9294.8	16183.9	18114.4	18344.6
32.5°	999.5	950.6	984.8	1141.6	2185.3	4174.6	9544.7	17188.3	19383.4	19545.1
35°	695.8	730.1	808.5	989.7	1910.9	3861.0	9608.4	18295.6	20588.7	20755.3
37.5°	641.9	661.5	725.2	842.8	1680.6	3684.6	9520.2	19104.1	21838.2	22068.5
40°	597.8	622.3	656.6	764.4	1509.1	3488.6	9397.7	19834.2	22602.5	23170.9
42.5°	563.5	583.1	612.5	730.1	1362.1	3292.6	9226.2	20863.1	23288.5	23783.4
45°	524.3	553.7	588.0	710.5	1278.8	3160.3	9098.8	20799.4	23685.4	23950.0
47.5°	485.1	534.1	573.3	661.5	1254.3	3096.6	9152.7	20559.3	23362.0	23180.7
50°	445.9	509.6	578.2	548.8	1195.5	2969.2	9216.4	20887.6	22592.7	22558.4
52.5°	411.6	485.1	539.0	450.8	1063.2	2846.8	9833.8	21318.8	23136.6	22680.9
55°	362.6	436.1	431.2	362.6	862.4	2753.7	10318.9	21328.6	22769.1	22940.6
57.5°	328.3	387.1	338.1	303.8	637.0	2302.9	9530.0	17884.1	19491.2	19795.0
60°	303.8	377.3	254.8	240.1	416.5	1661.0	8319.8	13851.6	15493.0	16066.3
62.5°	279.3	357.7	200.9	196.0	289.1	1180.8	6840.0	11592.8	13351.8	14130.9
65°	245.0	254.8	161.7	151.9	205.8	637.0	4164.8	7981.7	9980.8	10269.9
67.5°	200.9	196.0	132.3	122.5	137.2	308.7	1837.4	3998.2	5786.6	6271.7
70°	161.7	161.7	112.7	98.0	98.0	142.1	480.2	1592.4	2616.5	2895.7
72.5°	117.6	122.5	88.2	78.4	73.5	68.6	78.4	318.5	686.0	877.1
75°	102.9	107.8	88.2	68.6	53.9	44.1	34.3	29.4	39.2	63.7
77.5°	112.7	112.7	93.1	63.7	49.0	34.3	19.6	9.8	9.8	4.9
80°	142.1	147.0	122.5	83.3	58.8	39.2	24.5	9.8	4.9	4.9
82.5°	151.9	166.6	137.2	102.9	73.5	44.1	24.5	4.9	0.0	0.0
85°	39.2	63.7	107.8	93.1	73.5	44.1	24.5	4.9	0.0	0.0
87.5°	0.0	4.9	14.7	14.7	19.6	19.6	14.7	4.9	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

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