

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: P459424

Luminaire Tested: **GLAN-SA8D-735-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41791 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

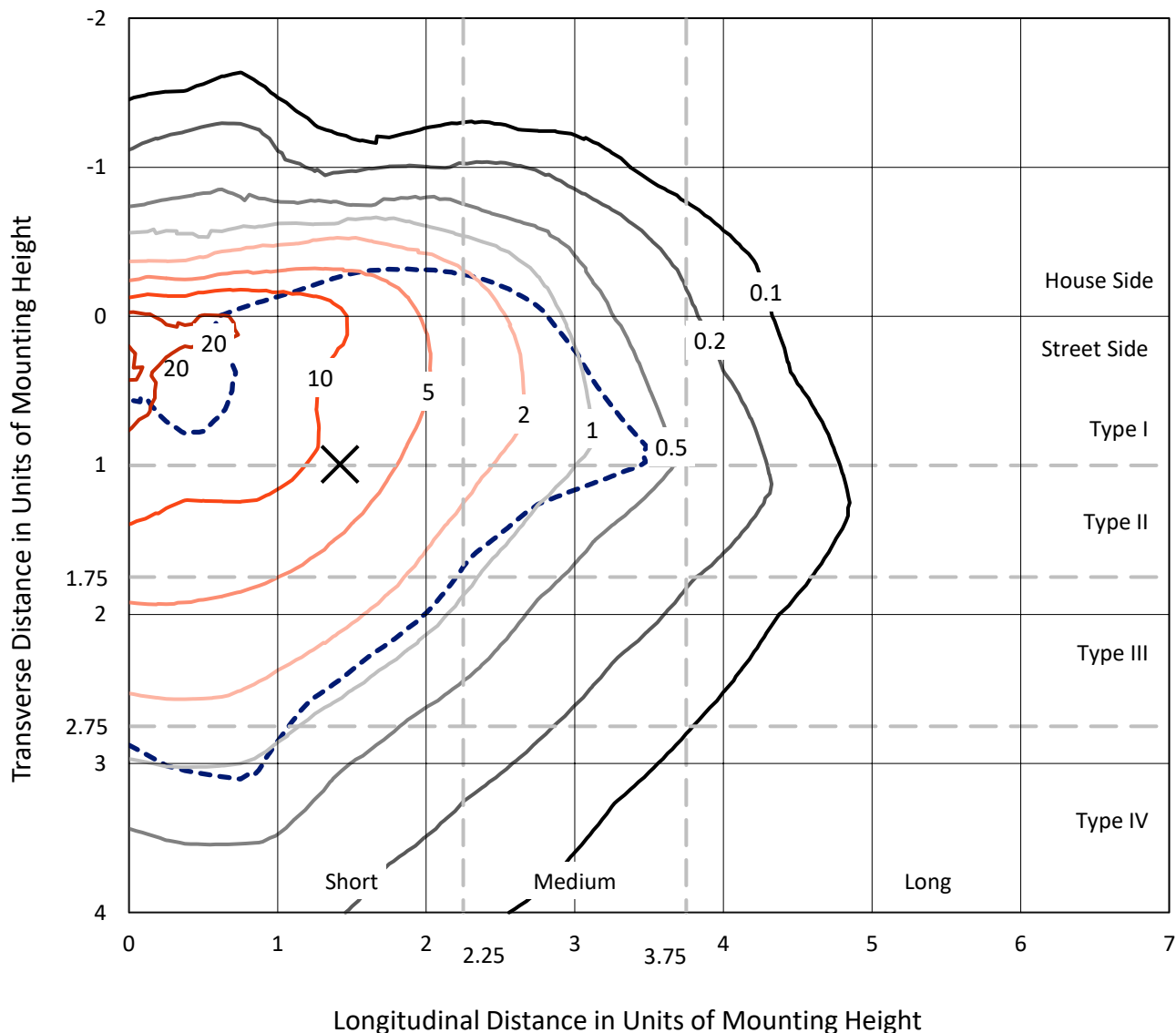
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

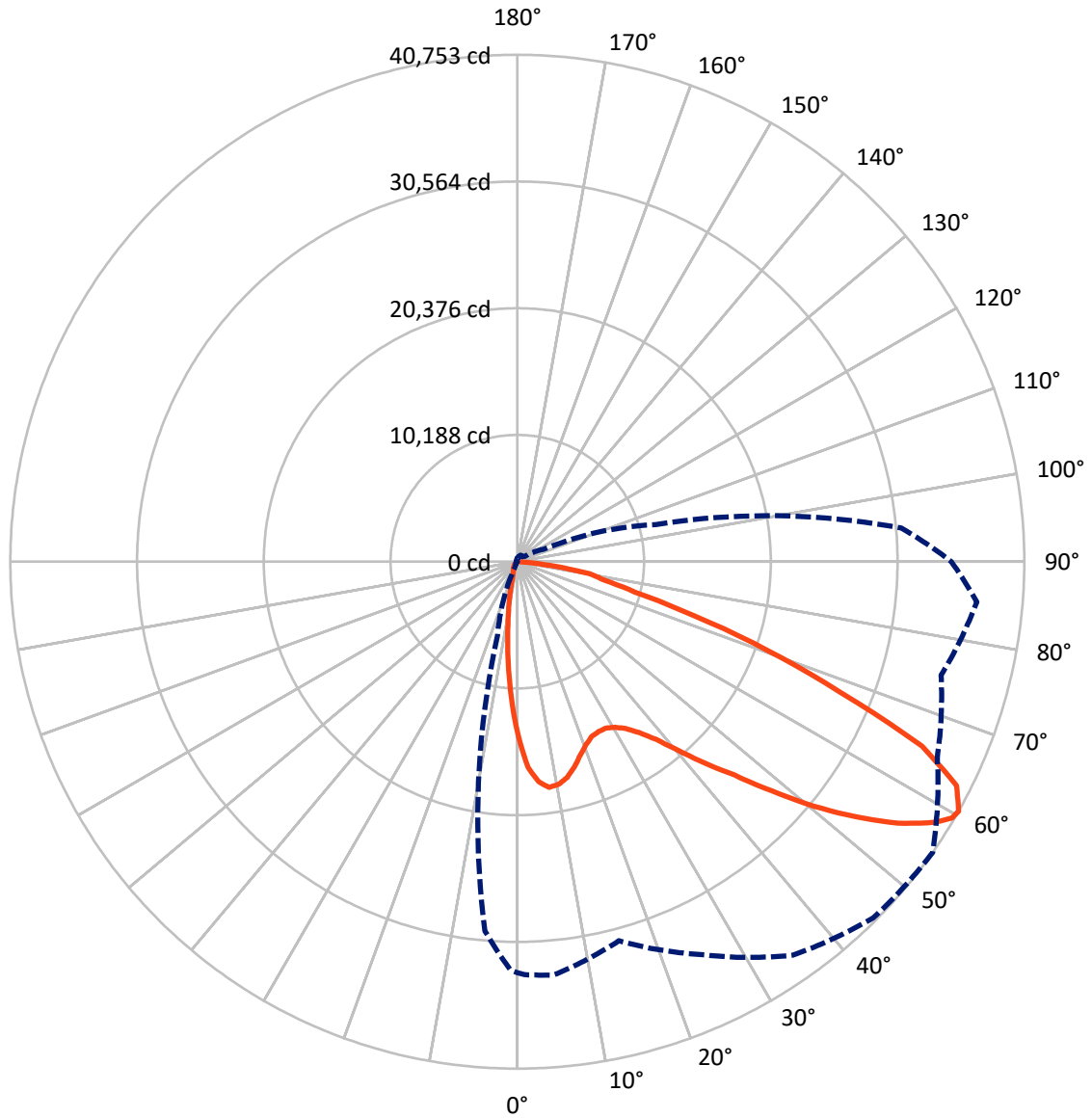
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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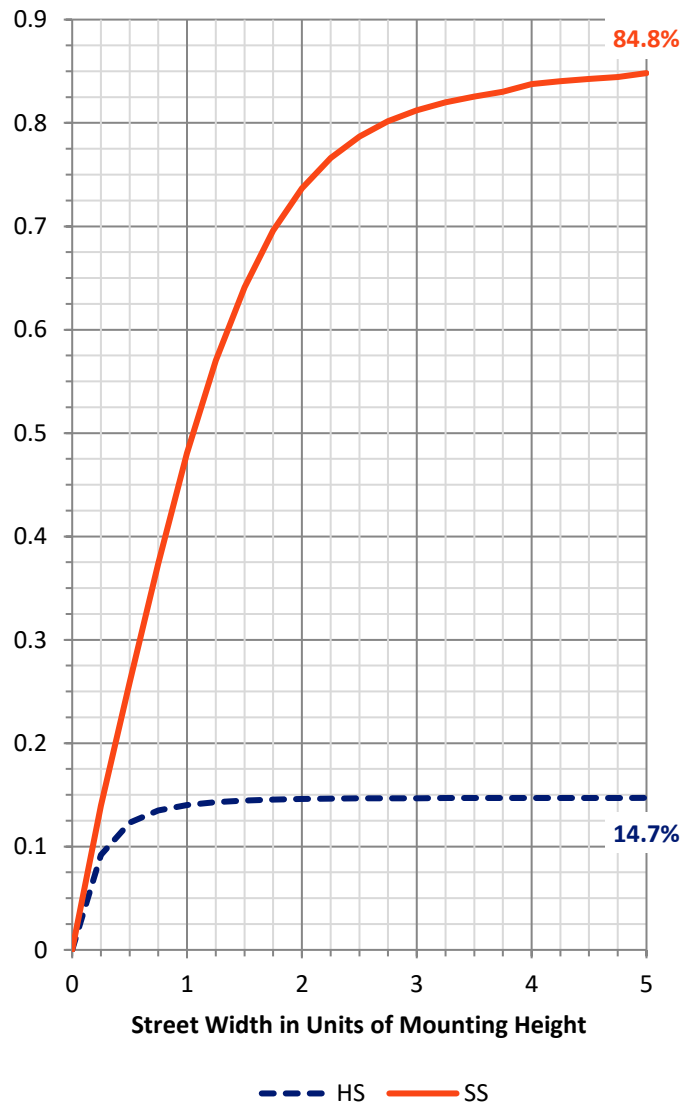
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6202.2	0.0	6202.2
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	35588.9	0.0	35588.9
	% Fixture	85.2	0.0	85.2
Total	Lumens	41791.0	0.0	41791.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.9	2.5
10°-20°	2063.5	4.9
20°-30°	3054.3	7.3
30°-40°	4552.8	10.9
40°-50°	6667.6	16.0
50°-60°	9625.9	23.0
60°-70°	10125.9	24.2
70°-80°	4165.5	10.0
80°-90°	487.9	1.2
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°	41791.0	100.0
0°-180°	41791.0	100.0



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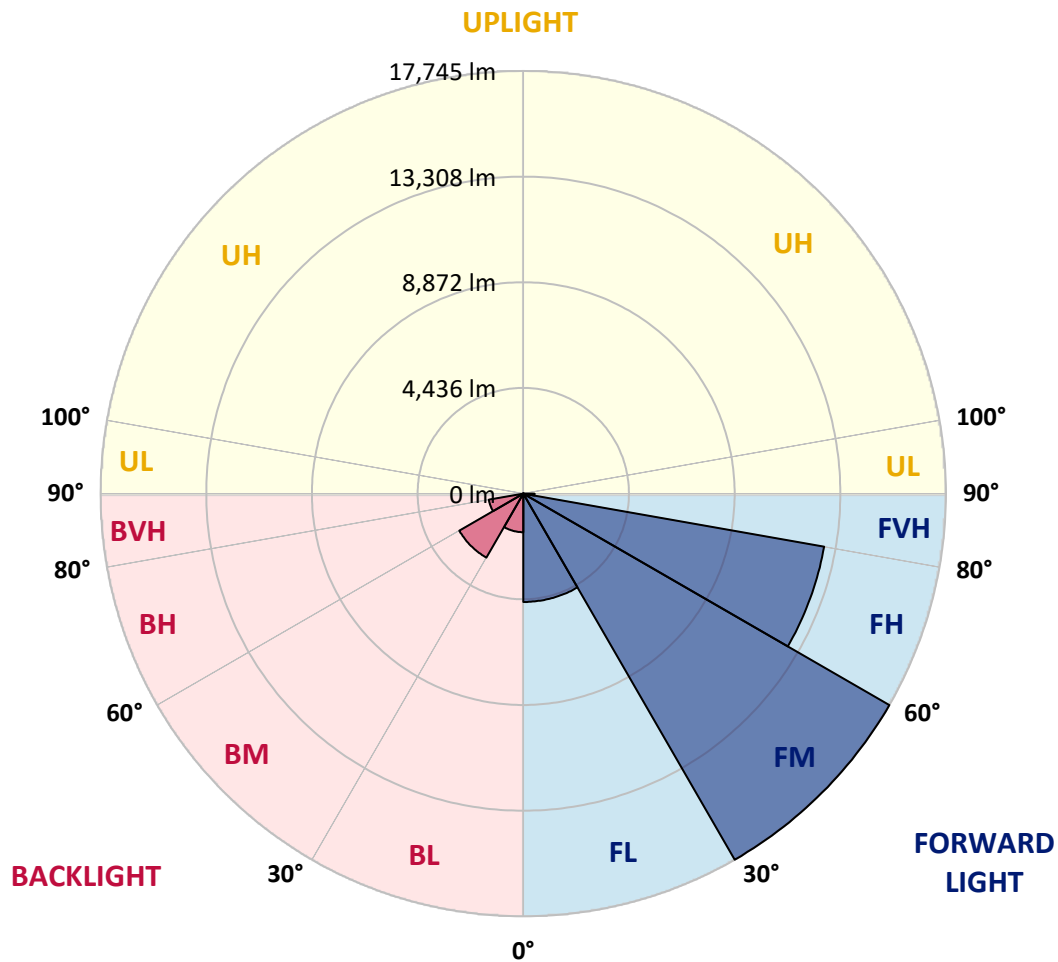
CATALOG NUMBER: GLAN-SA8D-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4547.4	10.9			
FM	(30°-60°)	17744.5	42.5			
FH	(60°-80°)	12823.4	30.7			G5
FVH	(80°-90°)	473.5	1.1			G3/500
BL	(0°-30°)	1618.2	3.9	B3/2500		
BM	(30°-60°)	3101.6	7.4	B3/5000		
BH	(60°-80°)	1468.0	3.5	B3/2500		G3/2500
BVH	(80°-90°)	14.3	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3
2.5°	15459.5	15433.8	15662.2	16035.3	16411.7	16607.9	16569.3	16553.2	16241.2	16012.8	15533.5
5°	15427.4	15559.2	15967.8	16977.8	17743.4	18113.3	18222.7	17762.7	17154.7	16273.3	15186.1
7.5°	14504.2	14668.2	15334.1	16913.5	18274.1	19078.3	19049.4	18312.7	17058.2	15694.3	14143.9
10°	13359.0	13552.0	14333.7	16250.8	18016.8	19078.3	19136.2	18203.4	16643.3	14893.4	13262.5
12.5°	12551.6	12780.0	13645.3	15633.2	17354.2	18399.6	18467.1	17791.6	16331.2	14584.6	12783.2
15°	12278.2	12493.7	13371.9	15321.2	16649.7	17212.6	17196.5	17125.8	16209.0	14658.6	12808.9
17.5°	12747.8	12924.7	13915.5	15462.7	15990.3	15932.4	16016.0	16357.0	16234.7	15279.4	13619.6
20°	13960.5	14140.7	15205.4	15897.0	15485.3	15118.5	15157.1	15726.5	16472.8	16447.0	14886.9
22.5°	15630.0	15935.6	16900.6	16739.8	15417.7	14613.5	14533.1	15272.9	16878.1	17791.6	16598.2
25°	17743.4	18052.2	18804.9	18084.4	15749.0	14494.5	14420.5	15134.6	17370.2	19104.1	18525.0
27.5°	19519.0	19753.8	20503.3	19393.6	16238.0	14546.0	14423.7	15153.9	17769.1	20220.3	20149.5
30°	20940.8	21114.5	21555.2	20004.7	16659.4	14771.1	14629.6	15437.0	17946.0	20763.9	21465.1
32.5°	22085.9	22378.7	22517.0	20657.7	17264.1	15195.7	14954.5	15980.6	18377.1	21436.2	22845.1
35°	23395.1	23732.9	23556.0	21281.8	18061.8	15858.4	15562.5	16862.0	19030.1	22057.0	24447.0
37.5°	25055.0	25444.2	24752.6	21938.0	18904.6	16855.6	16717.3	18100.4	20020.8	22944.8	26164.7
40°	26772.7	26997.9	25913.8	22735.7	19940.4	18306.3	18438.2	19940.4	21317.2	24009.5	27991.8
42.5°	28114.1	28326.4	27107.2	23404.8	20998.7	20027.3	20577.3	22159.9	22803.3	25100.0	29355.7
45°	29140.2	29320.3	27933.9	24135.0	22426.9	22520.2	23559.2	24447.0	24292.6	25765.9	30407.6
47.5°	29937.9	30092.3	28570.8	24919.9	24566.0	25569.6	27158.7	27535.1	25836.6	26486.4	31359.7
50°	30266.0	30311.1	28770.3	25920.3	26994.6	29455.4	31112.0	30883.7	27605.8	27287.4	32373.0
52.5°	30693.9	30684.2	29339.6	26872.4	29278.5	32929.5	34582.9	34065.0	29606.6	28487.2	33511.7
55°	31816.5	31829.4	30558.8	28223.4	31224.6	35734.5	37503.6	37127.3	31716.8	30513.7	34840.2
57.5°	33180.4	33228.6	32292.6	29802.8	33083.9	37767.4	39684.6	39539.8	34570.0	32768.6	36094.7
59°	33357.3	33453.8	33112.8	30915.8	34187.2	38391.5	40430.9	40572.4	36097.9	34254.8	36773.5
60°	33035.6	33196.5	33350.9	31546.3	34833.8	38616.6	40475.9	40752.5	37246.3	35264.8	37082.3
62.5°	31633.1	31887.3	32662.5	33486.0	35641.2	37915.4	39038.0	39617.0	38668.1	37918.6	37111.2
65°	29796.4	29928.3	31047.7	33830.2	34074.6	34640.8	34988.2	35731.2	36960.0	38941.5	35782.7
67.5°	26785.6	27174.8	28545.1	31832.6	29452.2	28783.1	28696.3	27956.4	31147.4	36503.3	32508.1
70°	22127.8	22301.5	23990.2	26097.2	22227.5	21198.1	21609.9	21333.2	24144.6	31424.1	26164.7
72.5°	16733.3	17125.8	18775.9	20802.5	15125.0	13790.0	14925.5	14822.6	18135.8	25254.4	17975.0
75°	11905.1	12159.2	14262.9	16279.8	10592.6	8974.6	9383.1	9765.9	12661.0	19940.4	10621.6
77.5°	8180.1	8398.8	9978.2	10766.3	7726.5	7401.7	6771.2	7141.1	8295.9	11831.1	5780.4
80°	4934.4	4924.8	5963.8	6156.8	5381.6	6250.1	5243.2	5886.6	5014.9	5063.1	2238.8
82.5°	3203.8	3171.7	3647.8	3975.9	2994.8	3149.2	2113.4	3046.2	3268.2	1412.1	707.7
85°	1434.7	1495.8	1753.1	2312.8	1312.4	698.0	431.0	936.1	1392.8	710.9	0.0
87.5°	148.0	115.8	308.8	562.9	180.1	19.3	64.3	32.2	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°	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3
2.5°	15311.6	15125.0	14568.5	14047.4	13600.3	13053.4	12699.6	12143.1	11805.3	11702.4	11718.5
5°	14697.2	14160.0	13101.7	12255.7	11313.2	10776.0	9958.9	9174.1	8749.5	8591.8	8521.1
7.5°	13410.5	12834.7	11557.6	10229.1	9219.1	8276.6	7668.6	6977.0	6504.2	6115.0	6047.4
10°	12455.1	11699.2	10116.6	8688.3	7890.6	7182.9	6575.0	5883.4	5326.9	4883.0	4760.7
12.5°	11882.5	11036.5	9270.6	8073.9	7318.0	6591.0	5799.7	4998.8	4429.4	3950.1	3728.2
15°	11779.6	10798.5	9032.5	7633.3	6700.4	5822.2	4770.4	3905.1	3319.6	2866.1	2727.8
17.5°	12400.4	11226.3	8997.1	7173.3	5893.0	4648.1	3554.5	2837.1	2177.7	1923.6	1823.9
20°	13507.0	11982.3	8993.9	6639.3	5063.1	3580.2	2496.2	1849.6	1582.6	1460.4	1402.5
22.5°	15015.6	13011.6	9164.4	6179.3	4201.0	2640.9	1782.1	1473.3	1318.9	1219.1	1196.6
25°	16858.8	14536.3	9582.6	5867.3	3541.6	2071.6	1470.0	1261.0	1132.3	1087.2	1067.9
27.5°	18496.1	15996.7	10042.6	5545.6	3068.7	1833.5	1363.9	1154.8	1051.9	1016.5	987.5
30°	19908.2	17322.0	10264.5	5121.0	2689.2	1679.1	1383.2	1235.2	1100.1	994.0	945.7
32.5°	21085.5	18338.5	10409.3	4735.0	2367.5	1373.5	1093.7	955.4	894.2	855.6	823.5
35°	22558.8	19438.6	10322.4	4516.3	2203.4	1251.3	997.2	823.5	720.5	643.3	611.2
37.5°	24102.8	20538.7	10171.2	4336.1	2129.5	1161.2	948.9	781.7	669.1	588.7	546.8
40°	25701.5	21558.4	9994.3	4168.9	2061.9	1103.3	920.0	746.3	633.7	546.8	501.8
42.5°	27165.1	22552.4	9923.6	4059.5	1952.5	1113.0	897.5	730.2	598.3	508.2	469.6
45°	28348.9	23494.9	10020.1	4001.6	1833.5	1096.9	903.9	710.9	569.4	482.5	443.9
47.5°	29613.1	24826.6	10332.1	3943.7	1717.7	1019.7	952.1	707.7	556.5	466.4	424.6
50°	31083.1	26531.4	11046.2	3802.2	1576.2	936.1	1013.3	704.5	540.4	447.1	405.3
52.5°	33042.1	28467.9	11782.8	3554.5	1370.3	855.6	968.2	694.8	508.2	424.6	382.8
55°	34801.6	30507.3	12406.9	3261.7	1109.8	739.8	871.7	653.0	453.6	386.0	347.4
57.5°	35528.6	31658.9	12387.6	2856.4	887.8	649.8	717.3	598.3	395.7	341.0	308.8
59°	35261.6	31514.1	11972.6	2557.3	810.6	601.5	595.1	591.9	369.9	308.8	283.1
60°	34885.2	30986.6	11525.5	2409.3	762.4	569.4	546.8	585.4	347.4	289.5	263.8
62.5°	33444.2	28799.2	10042.6	2158.4	698.0	482.5	437.5	495.4	308.8	250.9	228.4
65°	31356.5	25437.8	8501.8	2087.6	678.7	398.9	363.5	353.8	263.8	212.3	193.0
67.5°	27284.2	21526.2	6887.0	2039.4	685.2	334.5	318.5	267.0	218.7	176.9	164.1
70°	21844.7	16784.8	5638.9	1984.7	691.6	273.4	267.0	212.3	176.9	148.0	135.1
72.5°	13272.2	9949.3	4439.1	1724.2	672.3	218.7	238.0	160.8	128.7	106.2	99.7
75°	8205.8	6809.8	2753.5	1341.4	443.9	160.8	167.3	99.7	86.9	67.6	67.6
77.5°	4754.3	4300.7	984.3	482.5	196.2	96.5	74.0	51.5	48.3	29.0	29.0
80°	1971.8	1579.4	341.0	164.1	106.2	45.0	16.1	3.2	0.0	0.0	0.0
82.5°	575.8	511.5	93.3	74.0	32.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3
2.5°	11445.1	11338.9	11290.7	11454.7	11303.5	11496.5	11348.6	11412.9	11602.7	11686.3	11901.8
5°	8566.1	8456.7	8405.3	8653.0	8640.1	8762.3	8749.5	8862.0	8958.5	8743.0	8965.0
7.5°	5967.0	5893.0	6015.3	6208.3	6414.1	6346.6	6346.6	6195.4	6246.9	6214.7	6205.0
10°	4538.8	4284.7	4220.3	4213.9	4291.1	4307.2	4220.3	4011.2	4088.4	4111.0	4246.1
12.5°	3570.6	3374.3	3075.2	2940.1	2904.7	2933.6	2647.4	2464.0	2550.9	2499.4	2631.3
15°	2560.5	2399.7	2222.7	2071.6	2029.7	1971.8	1659.8	1441.1	1415.4	1425.0	1447.5
17.5°	1827.1	1717.7	1717.7	1556.9	1470.0	1296.3	1138.7	1042.2	1032.6	1042.2	1058.3
20°	1347.8	1289.9	1283.5	1241.7	1145.1	1029.3	920.0	900.7	894.2	910.3	916.8
22.5°	1161.2	1100.1	1048.6	1045.4	955.4	858.9	807.4	781.7	784.9	791.3	807.4
25°	1039.0	974.7	920.0	887.8	823.5	755.9	707.7	694.8	694.8	704.5	707.7
27.5°	952.1	871.7	823.5	778.4	720.5	662.6	620.8	611.2	604.7	611.2	627.3
30°	891.0	810.6	749.5	681.9	636.9	582.2	546.8	534.0	530.8	534.0	546.8
32.5°	762.4	714.1	665.9	604.7	550.1	514.7	476.1	453.6	453.6	460.0	472.9
35°	575.8	550.1	546.8	530.8	485.7	447.1	402.1	379.6	379.6	392.4	398.9
37.5°	508.2	460.0	453.6	447.1	427.8	376.4	334.5	315.2	312.0	321.7	334.5
40°	463.2	408.5	379.6	373.1	376.4	318.5	273.4	254.1	254.1	257.3	270.2
42.5°	427.8	363.5	312.0	305.6	318.5	267.0	222.0	202.7	202.7	202.7	218.7
45°	398.9	324.9	263.8	231.6	250.9	218.7	180.1	160.8	154.4	160.8	167.3
47.5°	379.6	295.9	231.6	186.6	186.6	173.7	144.8	122.2	115.8	119.0	128.7
50°	363.5	270.2	196.2	151.2	135.1	138.3	109.4	93.3	86.9	86.9	96.5
52.5°	337.8	244.5	170.5	128.7	102.9	93.3	80.4	67.6	64.3	67.6	74.0
55°	305.6	222.0	148.0	106.2	80.4	64.3	57.9	48.3	45.0	48.3	57.9
57.5°	270.2	186.6	119.0	83.6	54.7	41.8	38.6	32.2	25.7	29.0	35.4
59°	247.7	167.3	102.9	67.6	41.8	29.0	29.0	22.5	16.1	19.3	29.0
60°	238.0	154.4	86.9	57.9	35.4	22.5	22.5	16.1	9.7	12.9	22.5
62.5°	202.7	128.7	67.6	35.4	16.1	3.2	9.7	3.2	0.0	3.2	9.7
65°	170.5	102.9	45.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	3.2
67.5°	141.5	77.2	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	112.6	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	77.2	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	48.3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P459424

CATALOG NUMBER: GLAN-SA8D-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3	14150.3
2.5°	11914.7	12374.7	12657.8	13191.7	13738.6	14160.0	14687.5	15160.4	15356.6	15459.5
5°	9190.1	9830.3	10373.9	11187.7	11943.7	12863.6	13796.5	14896.6	15318.0	15427.4
7.5°	6449.5	7102.5	7671.9	8614.4	9692.0	10924.0	12320.0	13716.1	14330.5	14504.2
10°	4657.8	5355.8	6050.6	6993.1	8000.0	9334.9	10788.9	12516.2	13223.9	13359.0
12.5°	2940.1	3689.6	4818.6	5983.1	7047.8	8122.2	9643.7	11522.3	12303.9	12551.6
15°	1704.9	2264.6	3117.0	4635.3	5989.5	7411.3	9071.1	11149.1	12024.1	12278.2
17.5°	1141.9	1334.9	1920.4	3081.6	4870.1	6755.1	8926.4	11454.7	12422.9	12747.8
20°	961.8	1048.6	1254.5	1878.6	3750.7	6169.7	8965.0	12284.6	13555.2	13960.5
22.5°	846.0	926.4	1058.3	1351.0	2618.4	5442.7	9148.3	13471.6	15112.1	15630.0
25°	746.3	826.7	942.5	1119.4	1759.5	4603.1	9550.4	15208.6	17174.0	17743.4
27.5°	662.6	736.6	836.3	987.5	1354.2	3667.1	9907.5	16900.6	19055.8	19519.0
30°	585.4	646.6	743.1	858.9	1125.8	2827.5	10087.6	18380.3	20426.1	20940.8
32.5°	508.2	566.1	659.4	752.7	926.4	2155.2	9962.2	19467.5	21757.8	22085.9
35°	434.3	495.4	572.6	659.4	801.0	1740.2	9334.9	20689.9	23137.8	23395.1
37.5°	373.1	424.6	505.0	572.6	723.8	1392.8	8575.8	21790.0	24685.0	25055.0
40°	315.2	366.7	447.1	508.2	665.9	1096.9	7890.6	23012.4	26315.9	26772.7
42.5°	257.3	318.5	389.2	488.9	572.6	836.3	7060.7	24003.1	27541.5	28114.1
45°	205.9	273.4	350.6	485.7	498.6	636.9	6259.7	24775.1	28625.5	29140.2
47.5°	164.1	231.6	337.8	453.6	408.5	505.0	5802.9	25582.5	29526.2	29937.9
50°	131.9	193.0	353.8	398.9	341.0	427.8	5790.1	26483.2	29992.6	30266.0
52.5°	106.2	157.6	299.2	305.6	289.5	376.4	6137.5	27496.5	30468.7	30693.9
55°	90.1	131.9	196.2	225.2	260.6	341.0	6398.0	29056.6	31604.2	31816.5
57.5°	70.8	112.6	151.2	180.1	231.6	312.0	6433.4	30259.6	33042.1	33180.4
59°	61.1	96.5	135.1	160.8	212.3	292.7	6288.7	30333.6	33135.4	33357.3
60°	51.5	86.9	119.0	151.2	196.2	276.6	6131.1	29796.4	32787.9	33035.6
62.5°	38.6	67.6	86.9	122.2	160.8	238.0	5384.8	27921.1	31459.4	31633.1
65°	25.7	48.3	64.3	90.1	125.5	205.9	4387.6	25489.2	29407.2	29796.4
67.5°	16.1	35.4	51.5	67.6	102.9	173.7	3126.6	21857.6	26534.7	26785.6
70°	9.7	22.5	38.6	54.7	80.4	138.3	1856.0	17277.0	22076.3	22127.8
72.5°	6.4	16.1	25.7	38.6	64.3	125.5	900.7	11261.7	16118.9	16733.3
75°	3.2	9.7	16.1	29.0	51.5	102.9	431.0	7523.9	11728.1	11905.1
77.5°	0.0	3.2	9.7	19.3	38.6	80.4	250.9	4940.9	7996.7	8180.1
80°	0.0	0.0	6.4	16.1	29.0	51.5	151.2	2914.3	4844.4	4934.4
82.5°	0.0	0.0	3.2	12.9	19.3	38.6	77.2	1280.3	3171.7	3203.8
85°	0.0	0.0	3.2	12.9	16.1	25.7	29.0	173.7	1408.9	1434.7
87.5°	0.0	0.0	3.2	16.1	16.1	16.1	16.1	9.7	119.0	148.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)