

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: P324462

Luminaire Tested: **GAN-SA8D-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8D-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41980 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

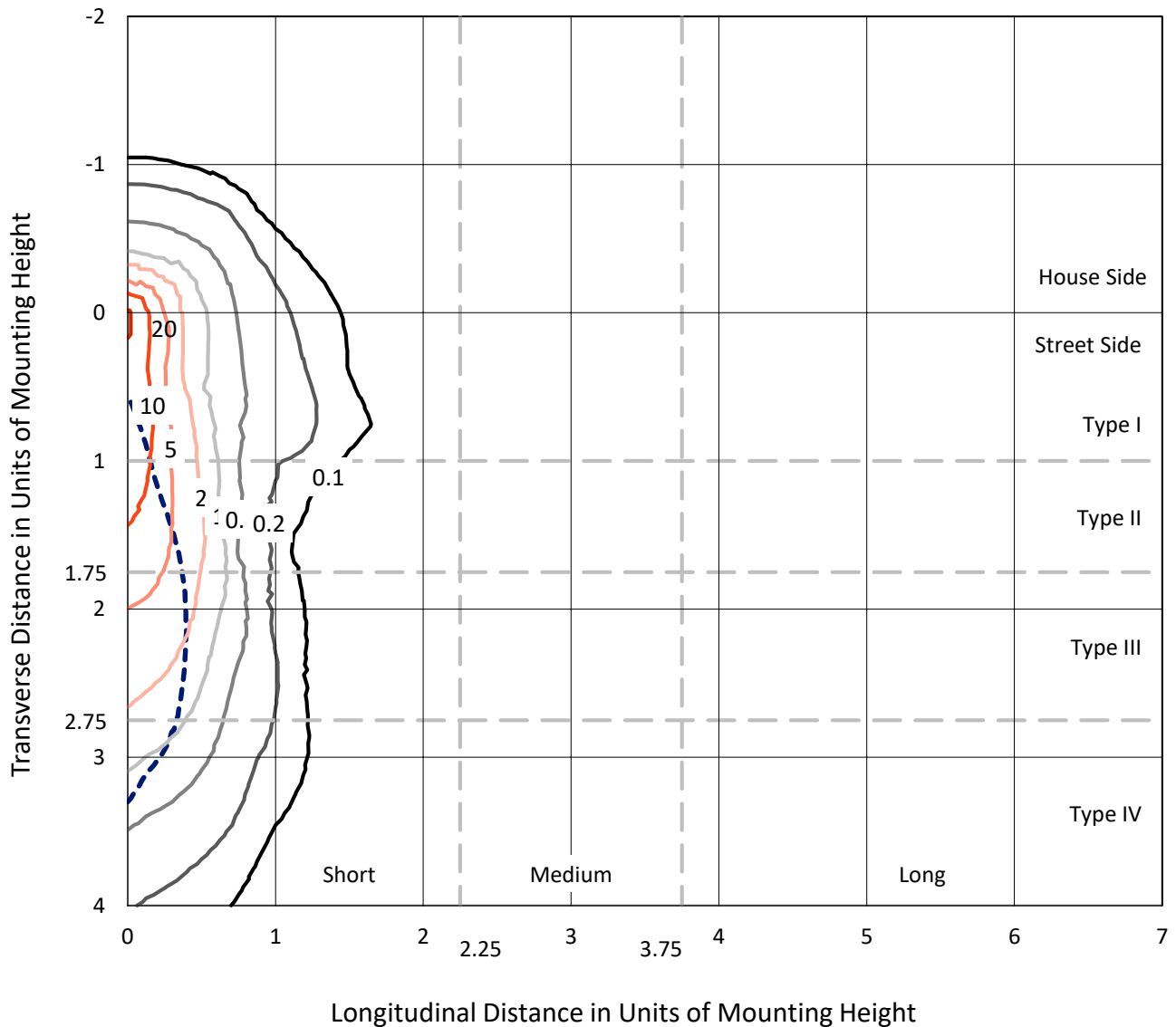
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

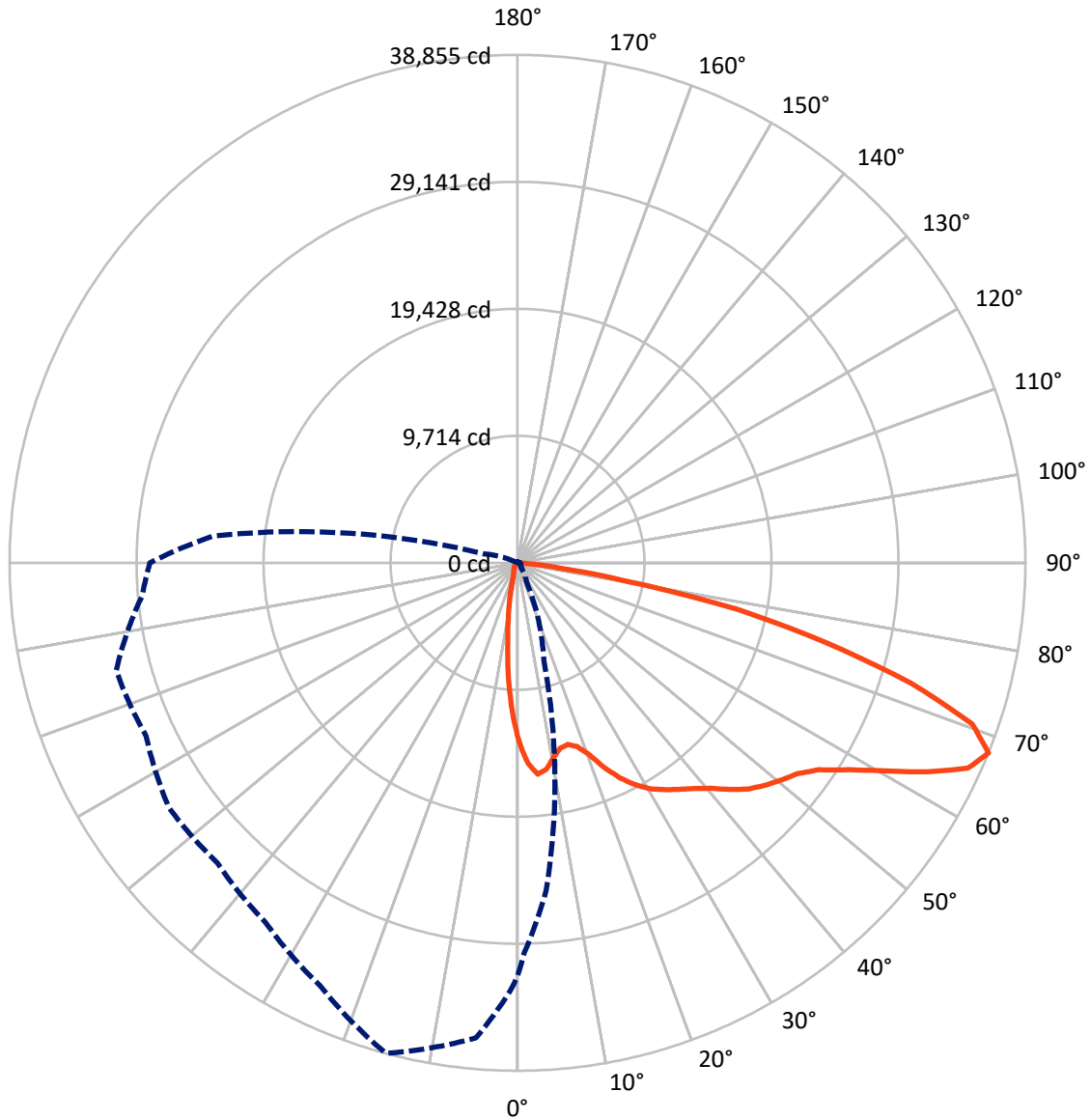
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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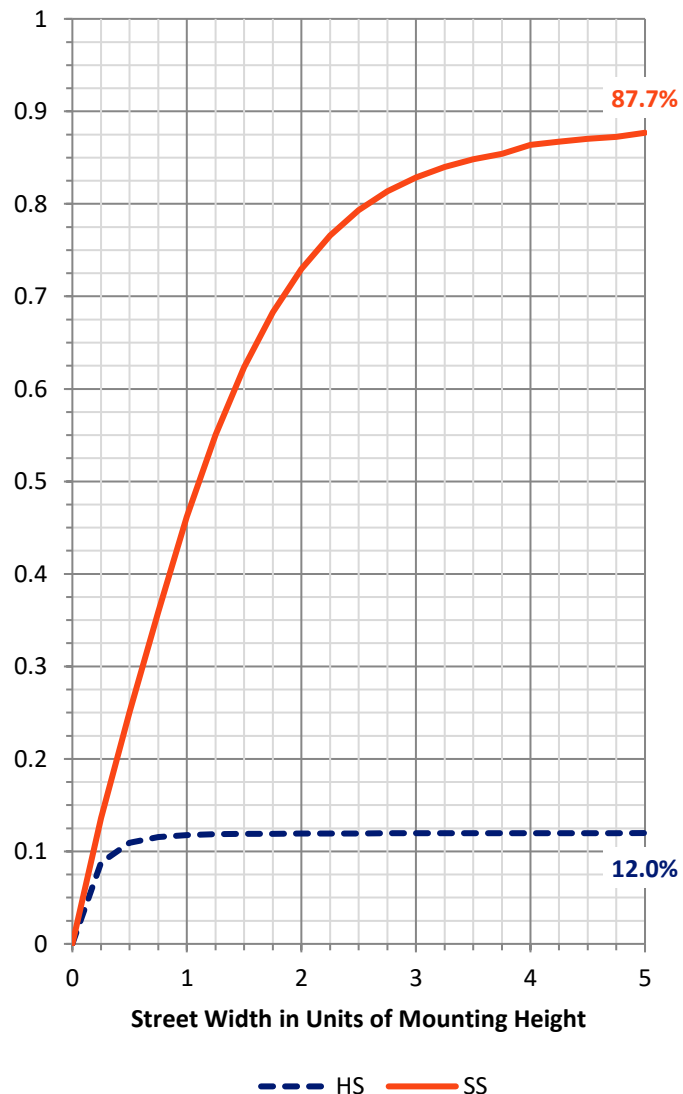
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5081.0	0.0	5081.0
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	36899.0	0.0	36899.0
	% Fixture	87.9	0.0	87.9
Total	Lumens	41980.0	0.0	41980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.5	2.5
10°-20°	2089.1	5.0
20°-30°	2966.5	7.1
30°-40°	4381.7	10.4
40°-50°	6319.3	15.1
50°-60°	8871.0	21.1
60°-70°	10341.1	24.6
70°-80°	5286.6	12.6
80°-90°	675.2	1.6
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°	41980.0	100.0
0°-180°	41980.0	100.0

Coefficient of Utilization

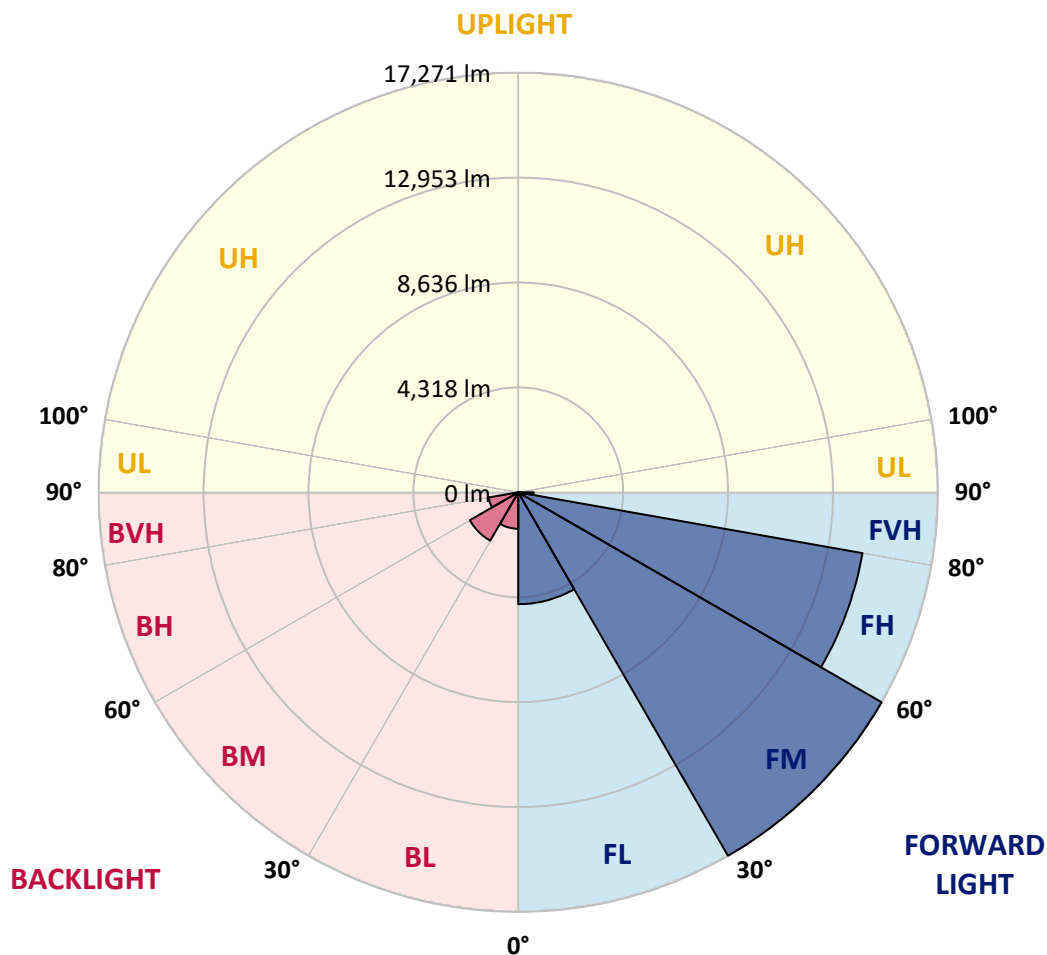


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4604.4	11.0			
FM (30°-60°)	17271.3	41.1			
FH (60°-80°)	14389.3	34.3			G5
FVH (80°-90°)	634.1	1.5			G4/750
BL (0°-30°)	1500.7	3.6	B3/2500		
BM (30°-60°)	2300.8	5.5	B2/2500		
BH (60°-80°)	1238.4	2.9	B3/2500		G3/2500
BVH (80°-90°)	41.0	0.1			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9
2.5°	14973.6	14858.2	14731.0	14315.3	13929.5	13488.0	13128.0	12877.4	12563.2	12155.5	12052.1
5°	14866.2	14742.9	14343.1	13418.4	12608.9	11821.4	11061.6	10616.2	10063.3	9502.4	9363.2
7.5°	13786.3	13657.0	13080.3	11813.4	10723.5	9586.0	8599.5	7989.0	7364.5	6851.4	6578.9
10°	12662.6	12521.4	11873.1	10335.7	8993.3	7965.1	7241.2	6658.5	6067.8	5518.9	5081.4
12.5°	11889.0	11704.0	11000.0	9257.8	8088.4	7390.3	6714.1	6016.1	5216.6	4627.9	4146.6
15°	11564.8	11354.0	10610.2	8842.2	7768.2	6948.8	6067.8	5210.6	4273.9	3599.7	3158.2
17.5°	11815.4	11540.9	10743.4	8814.3	7366.5	6250.8	5137.0	4130.7	3114.4	2432.3	2118.1
20°	12666.6	12306.6	11294.3	8806.4	6879.2	5421.4	4009.4	2871.8	2052.4	1650.7	1485.6
22.5°	14007.0	13531.7	12085.9	8870.0	6376.1	4550.3	2895.7	1951.0	1541.3	1332.5	1235.0
25°	15625.9	15075.0	13225.4	9094.7	5934.5	3703.1	2104.1	1541.3	1300.7	1147.5	1066.0
27.5°	17165.2	16717.8	14665.3	9418.9	5592.5	3019.0	1708.4	1306.6	1111.7	1010.3	944.7
30°	18702.6	18139.7	16143.0	9804.7	5180.8	2555.6	1501.5	1191.3	996.4	889.0	847.2
32.5°	19820.3	19352.9	17300.5	10083.2	4741.3	2253.3	1342.4	1089.9	930.8	821.4	759.7
35°	21134.9	20605.8	18292.9	10144.8	4458.9	2062.4	1207.2	980.5	807.4	710.0	644.4
37.5°	22554.8	21896.6	19438.4	10009.6	4238.1	1968.9	1105.8	930.8	753.8	654.3	584.7
40°	24126.0	23382.2	20538.2	9814.7	4021.3	1937.1	1028.2	893.0	712.0	610.6	539.0
42.5°	25780.7	24903.6	21490.8	9609.8	3884.1	1827.7	1020.2	855.2	680.2	570.8	499.2
45°	27170.8	26281.8	22469.3	9542.2	3786.7	1708.4	1054.1	829.3	658.3	539.0	469.4
47.5°	28278.6	27437.3	23471.7	9693.4	3731.0	1599.0	960.6	863.1	646.4	511.1	443.5
50°	29601.1	28648.5	24883.7	10144.8	3649.4	1489.6	869.1	988.4	646.4	493.2	421.6
52.5°	31259.8	30317.1	26458.8	10844.9	3486.3	1338.5	781.6	990.4	652.3	469.4	393.8
55°	33346.0	32661.9	28708.2	11612.5	3225.8	1115.7	676.2	851.2	628.5	425.6	367.9
57.5°	35346.7	34787.9	30758.6	12137.6	2877.8	871.1	588.7	686.1	574.8	373.9	328.2
59°	35893.6	35283.1	31510.4	12161.4	2617.2	759.7	544.9	566.8	562.8	350.0	304.3
60°	35893.6	35245.3	31727.1	12034.2	2428.3	698.1	517.1	505.2	586.7	334.1	290.4
62.5°	35243.3	34332.4	31023.1	11173.0	1980.8	594.6	451.5	417.6	527.0	300.3	256.6
65°	33890.9	32564.4	28624.6	9615.8	1766.0	544.9	389.8	342.1	365.9	264.5	224.7
67.5°	31635.7	29837.8	25166.1	7768.2	1680.5	531.0	336.1	290.4	276.4	226.7	196.9
70°	27664.0	25669.3	20967.8	6107.6	1606.9	525.0	282.4	244.6	222.7	190.9	167.1
72.5°	20134.5	18054.2	14886.1	4775.1	1563.2	537.0	226.7	204.8	183.0	149.2	129.3
75°	11517.1	10154.8	8366.8	3154.2	1332.5	513.1	175.0	171.0	131.3	107.4	89.5
77.5°	5950.5	5769.5	5013.7	1211.2	638.4	224.7	115.3	99.4	77.6	65.6	53.7
80°	2567.5	2539.7	2197.6	350.0	169.0	125.3	65.6	41.8	35.8	27.8	21.9
82.5°	887.0	887.0	781.6	117.3	75.6	61.7	8.0	0.0	0.0	0.0	0.0
85°	179.0	200.9	141.2	0.0	25.9	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9
2.5°	11926.8	11686.1	11670.2	11519.1	11330.1	11244.6	11194.9	11282.4	11389.8	11401.7	11562.8
5°	9257.8	9005.2	9110.6	8842.2	8895.8	8842.2	8754.6	8770.6	8818.3	8669.1	8854.1
7.5°	6501.3	6310.4	6431.7	6360.1	6455.6	6493.4	6439.7	6360.1	6125.5	6097.6	6258.7
10°	4900.4	4683.6	4554.3	4419.1	4448.9	4510.6	4490.7	4433.0	4283.8	4291.8	4446.9
12.5°	3937.8	3695.2	3438.6	3106.5	3024.9	3070.7	3024.9	2991.1	2847.9	2859.9	2997.1
15°	2987.2	2788.3	2519.8	2253.3	2108.1	2122.0	1994.8	1905.3	1815.8	1708.4	1791.9
17.5°	2016.6	1895.3	1815.8	1736.2	1563.2	1523.4	1362.3	1189.3	1121.7	1072.0	1107.8
20°	1427.9	1362.3	1330.5	1326.5	1227.1	1177.4	1020.2	912.9	879.0	869.1	891.0
22.5°	1193.3	1145.5	1099.8	1073.9	1024.2	966.6	847.2	793.5	769.7	757.7	773.6
25°	1038.1	1002.3	954.6	910.9	891.0	829.3	743.8	704.0	688.1	676.2	684.1
27.5°	922.8	891.0	835.3	807.4	791.5	737.8	664.3	632.4	618.5	614.5	612.5
30°	831.3	801.5	749.8	718.0	690.1	642.4	598.6	566.8	552.9	548.9	544.9
32.5°	739.8	716.0	682.2	650.3	620.5	576.7	539.0	513.1	491.2	487.3	485.3
35°	624.5	600.6	582.7	580.7	552.9	511.1	483.3	449.5	431.6	425.6	427.6
37.5°	554.9	523.1	483.3	497.2	489.2	459.4	421.6	387.8	369.9	365.9	365.9
40°	511.1	477.3	431.6	407.7	431.6	425.6	365.9	332.1	314.2	312.2	308.3
42.5°	469.4	435.5	383.8	344.1	356.0	373.9	316.2	284.4	266.5	262.5	256.6
45°	439.5	403.7	346.0	300.3	276.4	314.2	270.5	230.7	220.8	212.8	208.8
47.5°	411.7	377.9	312.2	260.5	220.8	226.7	216.8	188.9	177.0	169.0	167.1
50°	387.8	352.0	282.4	222.7	183.0	167.1	175.0	149.2	139.2	131.3	127.3
52.5°	360.0	326.2	250.6	192.9	153.1	131.3	133.2	117.3	107.4	101.4	99.4
55°	338.1	304.3	224.7	169.0	135.2	107.4	95.5	91.5	85.5	81.5	79.6
57.5°	308.3	276.4	198.9	143.2	115.3	87.5	73.6	73.6	71.6	67.6	65.6
59°	290.4	262.5	183.0	129.3	105.4	75.6	65.6	67.6	65.6	61.7	59.7
60°	276.4	250.6	171.0	119.3	99.4	69.6	59.7	63.6	61.7	57.7	55.7
62.5°	244.6	226.7	147.2	99.4	87.5	55.7	49.7	53.7	53.7	51.7	49.7
65°	214.8	194.9	125.3	83.5	81.5	47.7	39.8	47.7	49.7	45.7	41.8
67.5°	186.9	167.1	109.4	67.6	75.6	37.8	29.8	39.8	53.7	41.8	37.8
70°	159.1	139.2	85.5	53.7	79.6	25.9	23.9	35.8	63.6	45.7	35.8
72.5°	123.3	107.4	59.7	39.8	85.5	17.9	17.9	29.8	71.6	49.7	33.8
75°	85.5	69.6	35.8	23.9	69.6	11.9	11.9	27.8	67.6	45.7	31.8
77.5°	49.7	37.8	11.9	2.0	35.8	0.0	2.0	19.9	47.7	27.8	13.9
80°	17.9	8.0	0.0	0.0	21.9	0.0	0.0	0.0	4.0	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9
2.5°	11604.6	11873.1	12113.7	12477.7	12909.2	13406.4	13834.0	14293.4	14725.0	14904.0	15027.3
5°	8891.9	9224.0	9611.8	10146.8	10858.8	11735.8	12557.2	13486.0	14484.3	14983.5	15452.9
7.5°	6286.6	6624.7	7105.9	7674.7	8535.9	9580.0	10653.9	11936.7	13289.1	14078.6	14856.2
10°	4520.5	4936.2	5385.6	6163.3	7038.3	8028.7	9134.5	10566.4	12073.9	12949.0	13885.7
12.5°	3076.7	3550.0	4230.2	5101.2	6129.4	7100.0	8060.6	9426.9	11177.0	12044.1	13048.4
15°	1845.6	2108.1	2828.1	3836.4	5097.3	6306.4	7358.5	8728.8	10594.3	11656.3	12700.4
17.5°	1137.6	1258.9	1650.7	2478.0	3802.6	5331.9	6773.8	8492.1	10677.8	11970.5	13088.2
20°	906.9	954.6	1079.9	1463.7	2519.8	4258.0	6115.5	8444.4	11360.0	12951.0	14150.2
22.5°	787.6	833.3	916.8	1064.0	1585.1	3188.0	5491.0	8488.1	12338.4	14420.7	15820.8
25°	694.1	733.9	813.4	934.7	1161.5	2245.3	4822.8	8683.0	13613.3	16244.4	17732.0
27.5°	620.5	654.3	727.9	839.3	996.4	1567.2	4065.1	8919.7	15124.7	18109.9	19577.6
30°	552.9	582.7	648.3	751.8	865.1	1205.2	3233.8	9080.8	16638.2	19577.6	20896.2
32.5°	495.2	517.1	576.7	664.3	751.8	960.6	2458.1	9055.0	17761.9	20798.7	21844.8
35°	435.5	457.4	509.1	584.7	654.3	793.5	1933.1	8571.7	18740.4	22065.6	22930.7
37.5°	369.9	397.8	447.5	515.1	562.8	698.1	1563.2	7989.0	19732.8	23513.4	24141.9
40°	314.2	342.1	385.8	459.4	489.2	662.3	1201.2	7279.0	20848.5	25132.3	25470.4
42.5°	260.5	286.4	332.1	395.8	461.4	570.8	889.0	6467.5	21920.4	26516.5	26681.6
45°	210.8	236.7	284.4	348.0	493.2	473.3	688.1	5598.4	22785.5	27668.0	27721.7
47.5°	167.1	190.9	240.6	328.2	459.4	377.9	491.2	4916.3	23511.5	28567.0	28425.7
50°	129.3	149.2	200.9	375.9	401.7	312.2	371.9	4689.6	24161.8	29123.8	28757.9
52.5°	101.4	119.3	165.1	352.0	312.2	258.5	312.2	4902.4	25052.8	29585.2	28944.8
55°	81.5	99.4	129.3	200.9	212.8	218.8	266.5	5101.2	26590.1	30667.1	30048.6
57.5°	67.6	85.5	105.4	141.2	161.1	185.0	236.7	5123.1	28401.9	32465.0	31880.3
59°	61.7	77.6	95.5	125.3	141.2	169.0	222.7	5003.8	29040.3	33119.3	32826.9
60°	57.7	73.6	89.5	115.3	131.3	159.1	214.8	4890.4	29068.1	33095.4	33230.7
62.5°	49.7	65.6	79.6	97.5	111.4	135.2	192.9	4470.8	27890.8	32011.5	32988.0
65°	43.8	57.7	71.6	83.5	95.5	121.3	175.0	3705.1	25880.1	30263.4	31327.4
67.5°	39.8	49.7	65.6	73.6	85.5	107.4	155.1	2641.1	23368.3	28125.4	28815.6
70°	35.8	47.7	59.7	67.6	77.6	93.5	133.2	1517.4	19732.8	24995.1	25486.3
72.5°	33.8	45.7	53.7	63.6	69.6	83.5	121.3	714.0	14448.5	20023.1	21305.9
75°	29.8	41.8	49.7	59.7	65.6	75.6	103.4	342.1	9609.8	14490.3	15948.1
77.5°	17.9	33.8	45.7	53.7	57.7	65.6	85.5	196.9	6133.4	10029.5	11813.4
80°	0.0	11.9	33.8	45.7	49.7	55.7	65.6	155.1	3281.5	5729.7	6877.2
82.5°	0.0	0.0	23.9	35.8	33.8	37.8	49.7	97.5	1479.7	3744.9	4220.2
85°	0.0	0.0	8.0	27.8	23.9	17.9	33.8	33.8	324.2	1895.3	2364.7
87.5°	0.0	0.0	0.0	2.0	11.9	8.0	13.9	4.0	2.0	141.2	572.8
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: P324462

CATALOG NUMBER: GAN-SA8D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9	13674.9
2.5°	15458.9	15606.0	15854.6	15972.0	15914.3	15669.7	15377.3	15079.0	14904.0	14973.6
5°	16409.5	17167.2	17604.8	17749.9	17507.3	16958.4	16240.4	15293.8	14957.7	14866.2
7.5°	16409.5	17835.5	18738.4	18897.5	18356.5	17280.6	15934.2	14456.5	13965.3	13786.3
10°	15832.7	17773.8	19032.7	19285.3	18529.5	16920.6	15116.8	13430.3	12847.6	12662.6
12.5°	15182.4	17272.6	18599.1	18947.2	18326.7	16562.6	14550.0	12736.2	12050.1	11889.0
15°	14782.7	16656.1	17753.9	18006.5	17744.0	16353.8	14414.7	12527.4	11719.9	11564.8
17.5°	14925.9	16178.8	16574.6	16721.7	16898.7	16280.2	14782.7	12984.8	11962.6	11815.4
20°	15464.8	15675.6	15470.8	15655.7	16133.0	16351.8	15659.7	14090.6	12863.5	12666.6
22.5°	16379.7	15415.1	14840.3	14913.9	15494.6	16588.5	17000.2	15669.7	14253.6	14007.0
25°	17445.6	15625.9	14490.3	14424.7	15021.3	16900.7	18225.3	17388.0	15898.4	15625.9
27.5°	18786.1	16099.2	14418.7	14353.1	14856.2	17193.1	19243.5	19086.4	17630.6	17165.2
30°	19820.3	16564.6	14631.5	14480.4	15021.3	17395.9	20060.9	20528.3	19010.8	18702.6
32.5°	20562.1	17113.5	14977.6	14758.8	15486.7	17746.0	20691.4	21848.8	20287.6	19820.3
35°	21126.9	17710.2	15536.4	15176.4	16127.1	18277.0	21282.0	23254.9	21646.0	21134.9
37.5°	21655.9	18547.4	16409.5	15979.9	17131.4	19132.1	21906.5	24849.9	23165.4	22554.8
40°	22393.8	19496.1	17755.9	17374.1	18819.9	20297.6	22686.1	26512.5	24893.7	24126.0
42.5°	23131.6	20514.3	19134.1	19237.5	20926.0	21713.6	23692.4	28270.6	26600.0	25780.7
45°	23805.8	21564.4	21097.1	21574.4	22881.0	23266.8	24692.8	29286.9	27962.4	27170.8
47.5°	24406.4	22877.0	23048.1	24318.9	25104.5	24672.9	25440.6	30163.9	28976.6	28278.6
50°	25104.5	24575.5	25619.6	27417.4	27664.0	25945.7	26120.7	31202.1	30162.0	29601.1
52.5°	25868.2	26365.4	28467.5	30052.6	29973.0	27327.9	26804.9	32365.5	31786.8	31259.8
55°	26735.3	27811.2	30975.4	32518.7	32451.1	28871.2	27938.5	33803.4	33823.3	33346.0
57.5°	28022.0	29056.2	32677.8	34513.4	34626.8	30653.2	29859.7	35414.4	35664.9	35346.7
59°	28944.8	29863.6	33352.0	35346.7	35808.1	32031.4	31263.7	36349.1	36184.0	35893.6
60°	29629.0	30376.7	33686.1	35782.3	36494.3	32966.2	32299.9	36898.0	36245.7	35893.6
62.5°	31321.4	31494.4	34288.7	36275.5	37283.8	35042.4	35215.5	37832.7	35818.1	35243.3
65°	32111.0	32200.5	34280.7	35392.5	36520.1	36659.3	37860.6	37860.6	34774.0	33890.9
67.5°	31780.8	31349.3	32580.3	32465.0	33590.6	35698.7	38855.0	36472.4	32777.2	31635.7
70°	29096.0	27435.3	26888.4	26938.1	27799.3	31050.9	36886.1	32387.4	28998.5	27664.0
72.5°	24209.5	20226.0	18875.6	20416.9	20641.6	23863.5	31434.8	24390.5	21385.4	20134.5
75°	19472.2	14257.6	12062.0	13688.8	14070.7	17463.5	24316.9	15190.4	12491.6	11517.1
77.5°	13989.1	10234.3	8655.2	8541.8	9035.1	11075.6	17254.7	7644.9	6376.1	5950.5
80°	7947.2	6736.0	7253.1	6843.4	7092.0	6925.0	8197.8	3353.1	2746.5	2567.5
82.5°	4797.0	3981.6	4311.7	3589.8	4542.4	3955.7	3158.2	1073.9	932.7	887.0
85°	3120.4	2175.7	1133.6	759.7	1565.2	2527.7	706.0	292.4	224.7	179.0
87.5°	1075.9	554.9	55.7	23.9	167.1	471.3	25.9	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

(END OF REPORT)