

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: P323464

Luminaire Tested: **GAN-SA0D-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54869 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

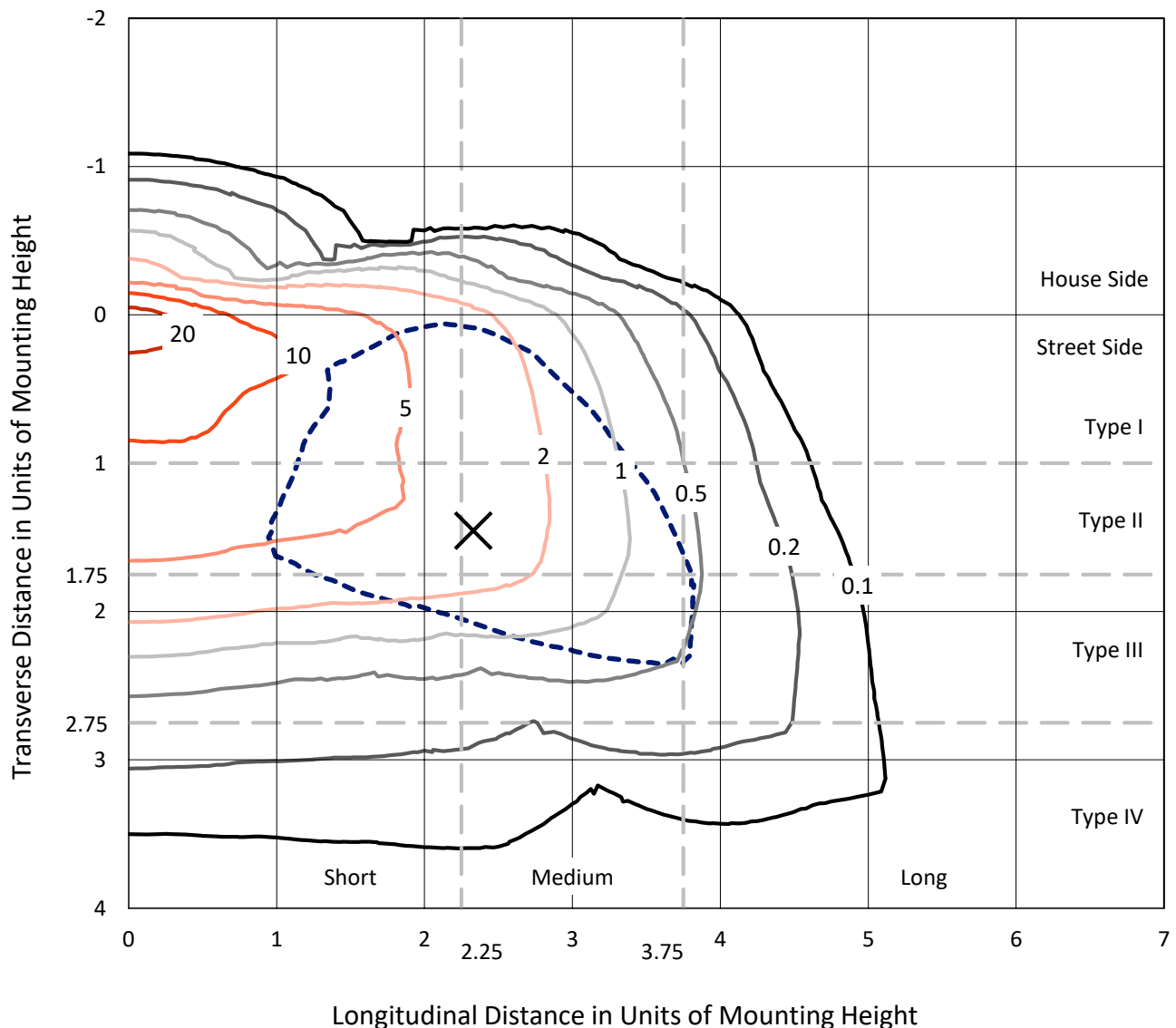
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323464
 CATALOG NUMBER: GAN-SA0D-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

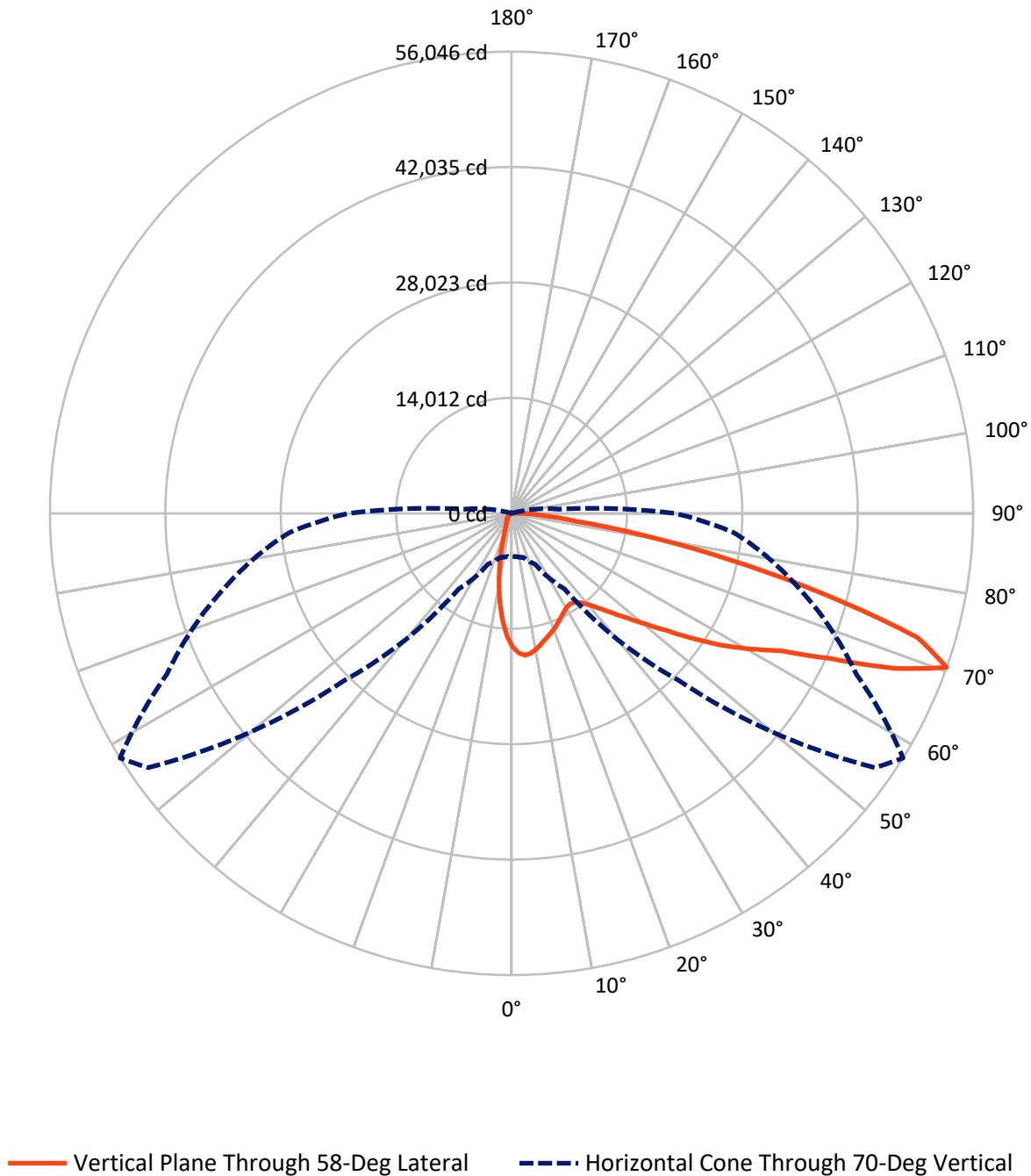
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P323464
CATALOG NUMBER: GAN-SA0D-727-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323464

CATALOG NUMBER: GAN-SA0D-727-U-SL3-HSS

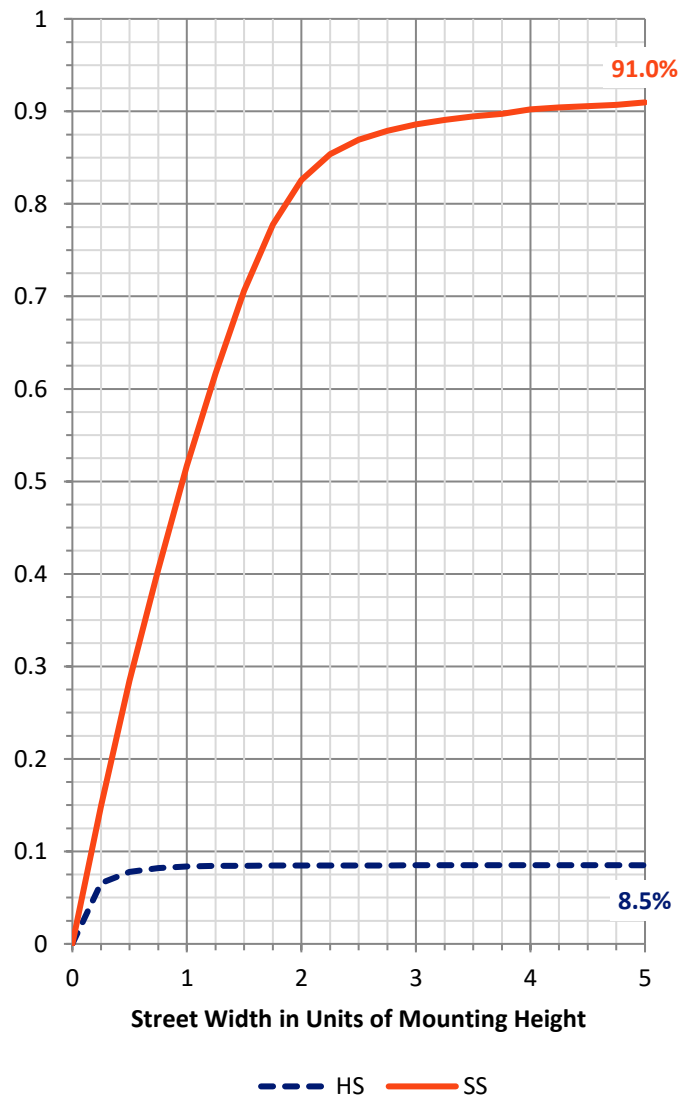
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4695.6	0.0	4695.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	50173.4	0.0	50173.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	54869.0	0.0	54869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1325.4	2.4
10°-20°	2781.7	5.1
20°-30°	3657.0	6.7
30°-40°	4843.3	8.8
40°-50°	7239.2	13.2
50°-60°	11596.9	21.1
60°-70°	14617.8	26.6
70°-80°	7884.8	14.4
80°-90°	922.9	1.7
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°	54869.0	100.0
0°-180°	54869.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323464

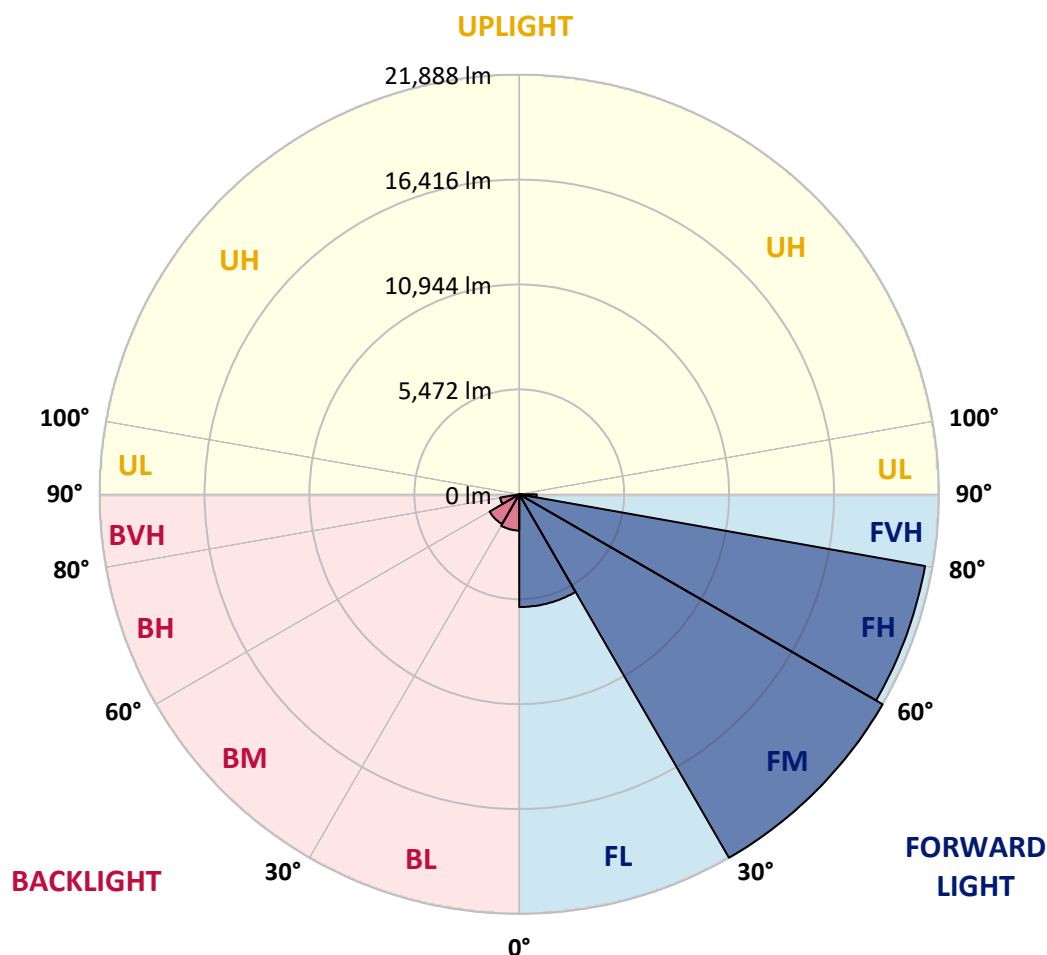
CATALOG NUMBER: GAN-SA0D-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5877.6	10.7			
FM	(30°-60°)	21888.1	39.9			
FH	(60°-80°)	21492.8	39.2			G5
FVH	(80°-90°)	915.0	1.7			G5
BL	(0°-30°)	1886.5	3.4	B3/2500		
BM	(30°-60°)	1791.3	3.3	B2/2500		
BH	(60°-80°)	1009.8	1.8	B3/2500		G3/2500
BVH	(80°-90°)	8.0	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-G5

Type III Medium



REPORT NUMBER: P323464

CATALOG NUMBER: GAN-SA0D-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0
2.5°	17551.9	17508.5	17492.5	17465.2	17360.2	17257.6	17054.5	16997.5	16869.7	16566.2	16244.5
5°	17565.6	17563.3	17611.2	17599.8	17563.3	17515.4	17369.3	17294.1	17077.3	16643.8	16055.2
7.5°	16719.1	16762.5	16869.7	16956.4	17056.8	17186.8	17205.1	17132.1	16954.1	16486.4	15706.1
10°	15582.9	15651.3	15801.9	15973.0	16235.4	16495.5	16728.2	16719.1	16657.5	16196.6	15286.3
12.5°	14444.4	14524.3	14697.7	14950.9	15322.8	15747.2	16162.4	16219.5	16322.1	15936.5	14898.4
15°	13447.4	13515.8	13686.9	13997.2	14458.1	15028.5	15637.7	15742.6	16007.3	15733.5	14574.5
17.5°	12600.9	12644.3	12769.8	13114.3	13648.2	14339.5	15131.2	15336.5	15731.2	15573.8	14293.8
20°	12010.0	12016.9	12099.0	12340.8	12874.7	13648.2	14606.4	14900.7	15439.2	15436.9	14004.1
22.5°	11718.0	11695.2	11711.1	11850.3	12242.7	12988.8	14081.6	14430.7	15176.8	15320.5	13709.8
25°	11663.2	11645.0	11599.3	11617.6	11854.9	12411.6	13552.3	13956.2	14946.4	15249.8	13454.2
27.5°	11834.3	11852.6	11775.0	11692.9	11711.1	12037.4	13082.3	13550.1	14759.3	15249.8	13274.0
30°	12178.8	12188.0	12130.9	12023.7	11880.0	11932.4	12756.1	13223.8	14665.7	15354.7	13159.9
32.5°	12559.9	12610.1	12603.2	12516.5	12311.2	12099.0	12678.5	13105.2	14658.9	15587.5	13148.5
35°	13032.1	13089.2	13185.0	13166.8	12952.3	12603.2	12943.2	13278.5	14793.5	15970.8	13271.7
37.5°	13534.1	13620.8	13826.1	13924.2	13785.1	13390.3	13536.4	13775.9	15154.0	16591.3	13584.3
40°	14020.0	14118.2	14492.3	14877.9	14773.0	14366.8	14435.3	14626.9	15795.1	17483.4	14177.5
42.5°	14496.9	14642.9	15192.8	15827.0	15952.5	15628.5	15665.0	15817.9	16746.5	18710.9	15147.1
45°	15067.3	15231.5	16046.1	16828.6	17164.0	17022.6	17177.7	17278.1	17989.9	20333.1	16454.4
47.5°	15904.6	16094.0	17093.3	17985.4	18574.0	18665.3	18977.8	19044.0	19561.9	22222.2	18158.8
50°	17538.2	17590.7	18494.1	19304.1	20152.8	20700.4	21056.3	21106.5	21464.7	24287.0	20287.4
52.5°	19593.8	19628.1	20139.1	20682.1	21647.2	22765.2	23597.9	23668.7	23744.0	26299.3	22388.7
55°	21635.8	21631.3	21968.9	22288.3	23392.6	25017.1	26824.0	26867.4	26326.7	28208.9	23994.9
57.5°	22911.2	23034.4	23547.7	23958.4	25500.7	27583.8	30091.2	30250.9	29039.4	29623.5	25582.9
60°	22505.1	22564.4	23702.9	25222.4	28126.8	31232.0	33397.1	33438.2	31079.1	31035.8	27590.6
62.5°	19174.0	19206.0	20994.7	24127.3	29456.9	35963.9	37385.3	36716.8	33424.5	32995.6	29993.1
65°	13141.7	13349.3	14843.7	18715.5	27013.4	38932.2	43559.1	42452.6	36999.7	35820.1	32165.1
67.5°	7739.0	7695.6	8434.8	11286.8	19840.3	36960.9	51368.8	50269.1	41875.3	37711.5	31528.6
70°	5286.3	5256.7	5539.6	6833.2	11200.1	28672.1	53826.0	56046.0	46180.6	36438.4	27134.3
72.5°	3773.7	3789.6	4207.2	5309.1	7031.7	16705.4	46287.8	51542.2	44832.2	31765.8	20625.1
75°	2562.2	2605.5	3203.3	4355.5	6164.7	8498.7	32847.3	39180.8	36506.9	23086.9	11854.9
77.5°	1378.0	1426.0	2131.0	3509.0	5573.8	5904.6	21129.3	26965.5	22931.7	10378.7	3436.0
80°	574.9	602.3	997.0	2550.8	4816.3	5185.9	12432.1	16351.8	9771.8	2046.5	766.6
82.5°	248.7	262.4	415.2	1521.8	3600.3	4378.3	6582.2	7866.7	2961.4	449.5	385.6
85°	47.9	50.2	171.1	805.4	2297.5	2470.9	4266.5	4182.1	1330.1	193.9	280.6
87.5°	0.0	0.0	41.1	253.3	675.3	1346.1	2603.2	2571.3	451.7	93.5	105.0
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: P323464

CATALOG NUMBER: GAN-SA0D-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0	16208.0
2.5°	16080.3	15922.9	15592.0	15183.6	14871.1	14526.5	14252.8	13906.0	13755.4	13762.2	13680.1
5°	15719.8	15395.8	14663.4	13739.4	13027.6	12292.9	11660.9	11031.2	10659.3	10538.4	10424.3
7.5°	15204.2	14690.8	13522.7	12099.0	10894.3	9717.1	8692.7	7791.5	7221.1	6942.7	6840.0
10°	14622.4	13901.4	12210.8	10335.4	8615.1	7022.6	5694.7	4540.3	4079.4	3766.8	3687.0
12.5°	14111.3	13134.8	10928.6	8526.1	6484.1	4563.1	3296.8	2578.1	2265.6	2142.4	2121.8
15°	13629.9	12418.4	9694.3	6888.0	4490.1	2808.6	2096.7	1852.6	1779.6	1759.1	1759.1
17.5°	13175.9	11736.2	8487.3	5274.9	2970.6	1969.0	1736.3	1681.5	1658.7	1656.4	1658.7
20°	12701.3	11054.0	7300.9	3864.9	2073.9	1667.8	1603.9	1574.3	1567.4	1567.4	1567.4
22.5°	12247.3	10371.9	6146.5	2760.7	1663.2	1521.8	1489.8	1469.3	1462.5	1460.2	1455.6
25°	11811.5	9723.9	5019.4	1950.7	1460.2	1394.0	1366.6	1339.3	1318.7	1307.3	1300.5
27.5°	11453.3	9146.7	3969.9	1565.1	1318.7	1261.7	1227.5	1186.4	1136.2	1113.4	1104.3
30°	11168.1	8619.6	3059.5	1321.0	1186.4	1129.4	1076.9	1006.2	933.1	894.4	892.1
32.5°	10944.5	8101.7	2322.6	1168.1	1067.8	997.0	921.7	832.8	748.3	705.0	702.7
35°	10835.0	7645.4	1775.0	1056.4	962.8	873.8	780.3	682.2	600.0	559.0	554.4
37.5°	10908.0	7259.9	1384.9	962.8	873.8	771.2	661.6	559.0	486.0	449.5	447.2
40°	11175.0	7013.4	1124.8	883.0	798.5	673.1	554.4	458.6	397.0	367.3	365.0
42.5°	11743.1	6922.2	960.5	816.8	725.5	581.8	460.9	378.7	321.7	301.2	296.6
45°	12692.2	7056.8	848.7	752.9	650.2	495.1	381.0	310.3	260.1	244.1	241.8
47.5°	13956.2	7410.4	768.9	691.3	581.8	417.5	317.1	251.0	212.2	196.2	193.9
50°	15585.2	7971.7	702.7	629.7	517.9	353.6	262.4	198.5	164.3	152.9	152.9
52.5°	17357.9	8640.2	643.4	572.7	454.0	294.3	212.2	152.9	130.0	116.4	116.4
55°	18822.7	9224.3	579.5	529.3	376.5	244.1	162.0	116.4	95.8	89.0	89.0
57.5°	20285.2	9847.1	506.5	454.0	301.2	198.5	123.2	86.7	70.7	66.2	66.2
60°	22181.1	10609.1	435.8	369.6	237.3	150.6	91.3	61.6	52.5	50.2	50.2
62.5°	24266.4	11056.3	371.9	296.6	184.8	111.8	66.2	41.1	38.8	38.8	36.5
65°	25541.8	10424.3	312.6	237.3	143.7	84.4	43.3	29.7	34.2	31.9	27.4
67.5°	23915.1	8161.1	255.5	184.8	111.8	63.9	27.4	20.5	36.5	29.7	22.8
70°	19801.5	5713.0	198.5	130.0	89.0	54.8	18.3	13.7	38.8	29.7	18.3
72.5°	14818.6	3823.9	157.4	86.7	66.2	47.9	16.0	6.8	34.2	25.1	16.0
75°	8097.2	1540.0	125.5	54.8	41.1	34.2	11.4	4.6	22.8	18.3	11.4
77.5°	2131.0	406.1	91.3	36.5	22.8	13.7	6.8	2.3	11.4	9.1	4.6
80°	543.0	157.4	59.3	25.1	16.0	6.8	0.0	0.0	2.3	0.0	0.0
82.5°	289.8	66.2	36.5	18.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	219.0	43.3	20.5	11.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	84.4	13.7	6.8	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

(END OF REPORT)