

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: P324124

Luminaire Tested: **GAN-SA0B-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA 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: 38188 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

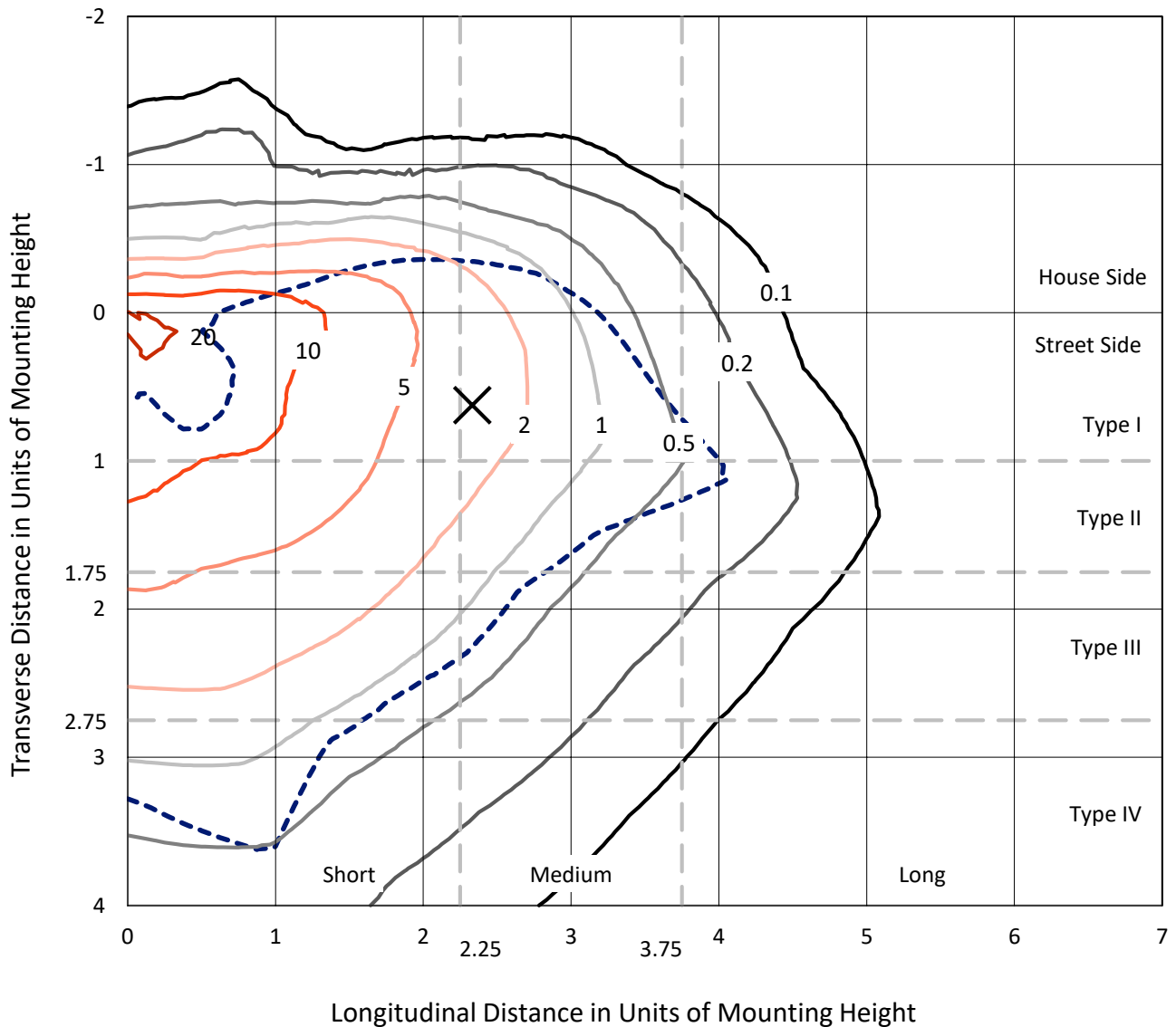
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324124
 CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

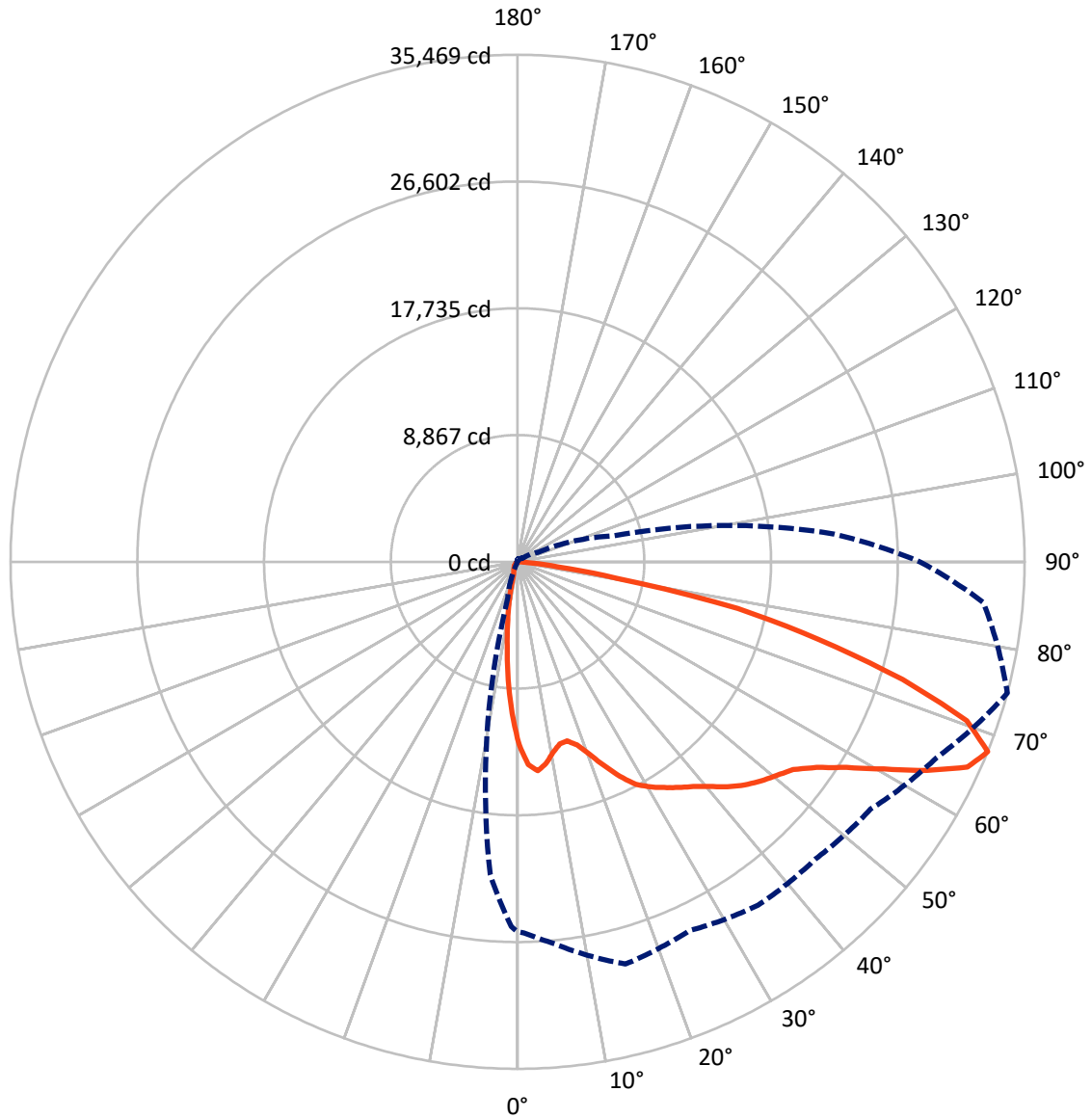
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P324124
CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P324124
 CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

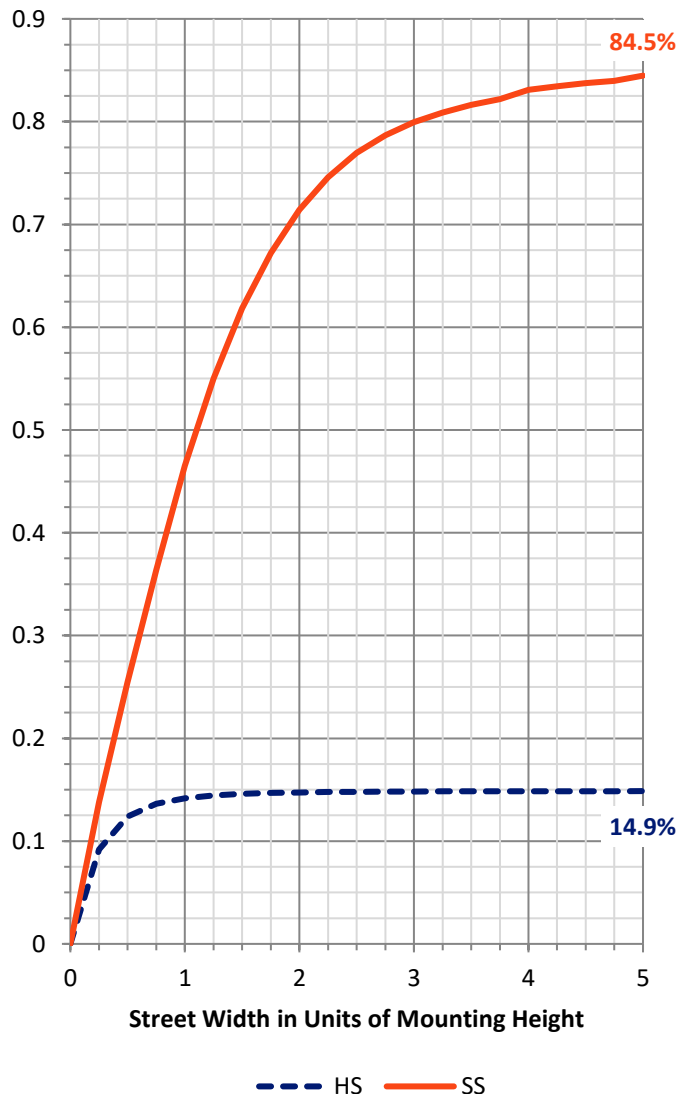
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5730.5	0.0	5730.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	32457.5	0.0	32457.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	38188.0	0.0	38188.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	971.8	2.5
10°-20°	1913.5	5.0
20°-30°	2707.1	7.1
30°-40°	3980.1	10.4
40°-50°	5720.8	15.0
50°-60°	8053.3	21.1
60°-70°	9405.6	24.6
70°-80°	4798.4	12.6
80°-90°	637.4	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°	38188.0	100.0
0°-180°	38188.0	100.0

Coefficient of Utilization

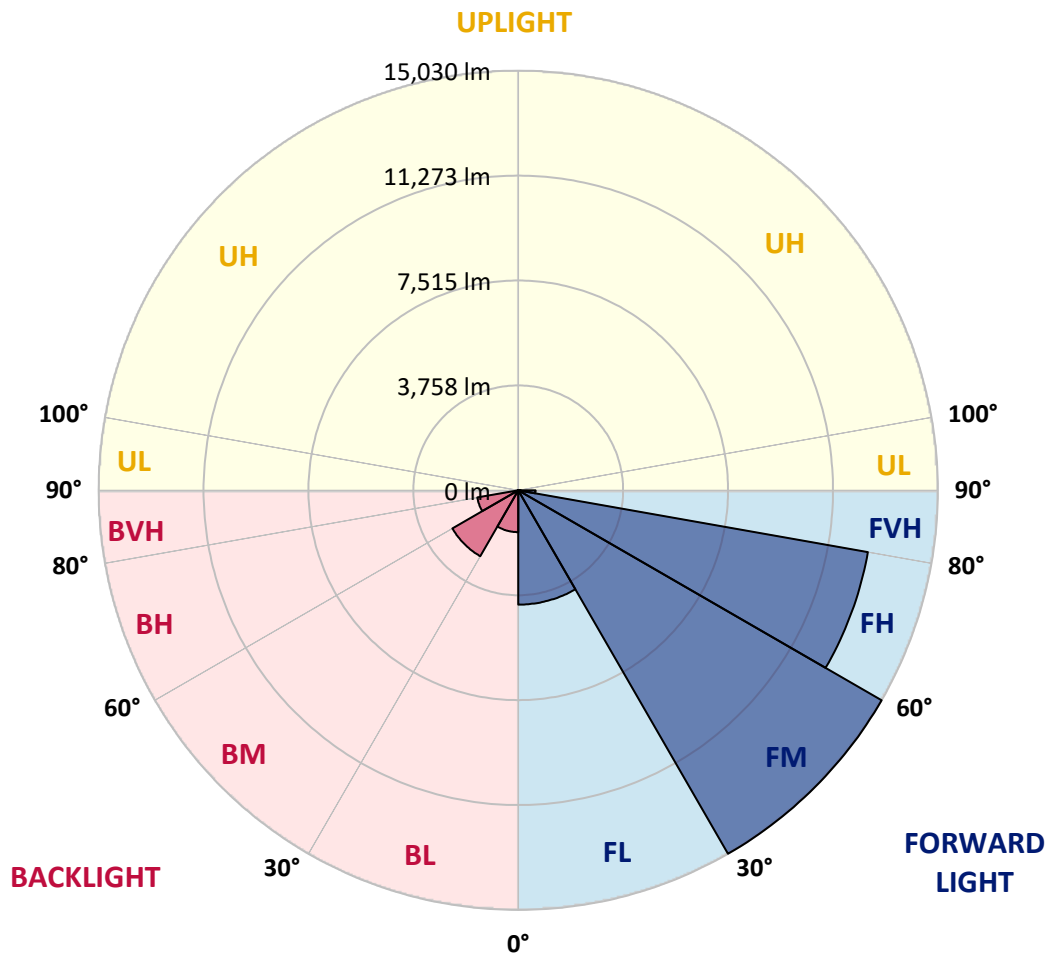


REPORT NUMBER: P324124
 CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4093.8	10.7			
FM (30°-60°)	15030.1	39.4			
FH (60°-80°)	12715.5	33.3			G5
FVH (80°-90°)	618.1	1.6			G4/750
BL (0°-30°)	1498.6	3.9	B3/2500		
BM (30°-60°)	2724.1	7.1	B3/5000		
BH (60°-80°)	1488.5	3.9	B3/2500		G3/2500
BVH (80°-90°)	19.3	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 III Medium





REPORT NUMBER: P324124
 CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4
2.5°	13887.8	13909.5	14021.6	14282.1	14566.2	14587.9	14779.6	14582.4	14515.5	14197.1	13867.9
5°	13992.7	14075.9	14461.2	15226.5	15890.4	16103.8	16255.8	15868.7	15461.6	14683.7	13853.4
7.5°	13147.9	13287.2	13893.2	15329.6	16516.3	17040.9	17140.4	16534.4	15537.6	14256.8	13008.6
10°	12066.1	12225.3	12956.1	14721.7	16351.7	17250.7	17388.2	16594.1	15161.3	13565.8	12095.1
12.5°	11190.5	11376.9	12124.0	14037.9	15785.4	16780.4	17051.7	16393.3	14835.7	13075.5	11470.9
15°	10787.1	11000.6	11785.7	13596.5	15157.7	15941.0	16165.3	15881.3	14654.8	12997.7	11326.2
17.5°	11018.7	11250.2	12060.7	13634.5	14568.0	14902.6	15083.5	15199.3	14654.8	13466.3	11749.5
20°	11968.4	12218.1	13075.5	14019.8	14079.5	13954.7	14148.3	14555.3	14824.9	14356.3	12766.2
22.5°	13281.8	13574.8	14542.6	14680.1	13840.7	13368.6	13393.9	14032.5	15134.2	15485.1	14177.2
25°	14882.7	15240.9	16225.0	15664.2	13940.2	13019.5	13010.4	13602.0	15436.3	16615.8	15749.3
27.5°	16472.9	16867.2	17731.9	16865.4	14350.9	12956.1	12938.1	13471.7	15731.2	17621.6	17466.0
30°	17806.1	18189.6	18934.9	17735.6	14794.1	13104.5	13017.6	13611.0	15906.6	18274.6	18717.8
32.5°	18891.5	19199.0	19801.4	18334.3	15268.1	13392.1	13204.0	13983.7	16205.1	18826.4	19868.4
35°	20085.5	20409.3	20649.9	18904.2	15799.9	13806.4	13536.8	14575.2	16664.6	19387.2	21129.3
37.5°	21447.6	21769.6	21740.7	19425.2	16474.7	14492.0	14320.1	15512.3	17379.2	19942.5	22536.7
40°	22780.9	23110.1	22875.0	19995.0	17267.0	15622.6	15496.0	16919.7	18336.1	20653.5	24186.5
42.5°	24029.1	24385.5	23882.6	20534.1	18211.3	17048.1	17265.2	18732.3	19533.7	21529.0	25608.4
45°	25034.9	25398.5	24727.4	21058.7	19206.3	18777.5	19430.6	20740.3	20973.7	22268.9	26569.0
47.5°	25765.8	26109.5	25313.5	21583.3	20479.8	20892.3	22030.1	22846.0	22274.4	22911.1	27251.0
50°	26232.5	26500.2	25485.4	22240.0	22151.3	23359.8	24738.2	25136.2	23499.1	23490.0	28079.5
52.5°	26529.2	26650.4	25612.0	22925.6	23895.2	26046.2	27390.2	27515.1	24759.9	24126.8	29195.6
55°	27551.2	27648.9	26509.3	23755.9	25337.0	28399.7	29789.0	29673.2	26187.3	25373.2	30512.6
57.5°	29295.1	29398.2	28363.5	24949.9	26503.8	29854.1	31527.5	31735.5	27860.6	27124.3	31923.6
60°	30170.7	30362.5	29993.4	26462.2	27634.5	30784.0	32712.4	33376.3	29951.8	29432.6	33291.2
62.5°	29376.5	29655.1	30190.6	28139.2	28757.9	31295.9	33081.4	33964.2	32093.7	32122.6	34134.2
65°	27791.8	28014.4	28922.5	29058.2	29409.1	31232.6	32169.7	33142.9	33405.2	34593.7	34089.0
67.5°	25877.9	25961.1	26731.8	29130.5	28464.8	29329.5	29430.8	30150.8	32368.6	35469.3	32719.6
70°	23122.8	23168.0	23841.0	26708.2	24461.5	24651.4	24501.3	24647.8	27828.0	33336.5	29262.6
72.5°	18609.3	18723.3	19680.2	22180.3	17820.6	17272.4	18451.9	18386.8	21431.4	28164.5	21733.5
75°	13701.5	13898.6	15344.0	17865.8	12507.5	11313.6	12174.6	12404.4	15235.5	21785.9	13591.1
77.5°	9593.2	9739.7	11139.9	13133.4	9052.3	8089.9	7778.8	8051.9	10056.3	15760.1	6847.1
80°	5526.5	5580.8	6474.5	7583.4	6100.0	6979.2	6322.5	6510.6	6025.8	7011.7	2945.1
82.5°	3616.2	3625.3	3974.4	4513.5	3798.9	4414.0	3267.1	4177.0	3706.7	2816.6	958.8
85°	1953.7	1964.6	2304.7	3203.8	2150.9	1215.7	714.6	1467.1	2292.0	645.8	262.3
87.5°	215.3	197.2	694.7	1165.0	597.0	110.3	38.0	164.6	367.2	41.6	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: P324124
 CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4
2.5°	13699.6	13549.5	13175.0	12778.9	12460.5	12162.0	11861.7	11494.5	11210.4	11152.6	11058.5
5°	13406.6	12930.8	12145.7	11357.0	10722.0	9920.6	9412.3	9016.1	8629.0	8605.5	8527.7
7.5°	12382.7	11756.8	10651.5	9560.6	8667.0	7903.6	7132.9	6617.4	6212.1	6069.2	5984.2
10°	11398.6	10694.9	9314.6	8070.0	7272.2	6597.5	6054.8	5515.7	5027.2	4690.8	4538.8
12.5°	10711.2	9933.3	8411.9	7339.2	6767.5	6127.1	5465.0	4792.1	4229.5	3824.3	3576.4
15°	10445.2	9614.9	8109.8	7049.7	6344.2	5533.8	4687.1	3918.3	3294.2	2927.0	2704.5
17.5°	10761.8	9795.8	8086.3	6697.0	5711.0	4703.4	3768.2	2860.0	2272.1	1993.5	1850.6
20°	11565.0	10371.1	8077.2	6264.6	4958.5	3719.3	2552.5	1881.4	1525.0	1369.4	1302.5
22.5°	12701.1	11105.5	8149.6	5837.7	4175.2	2657.4	1762.0	1382.1	1199.4	1116.2	1078.2
25°	14162.8	12136.7	8354.0	5450.6	3438.9	1982.7	1373.0	1157.8	1029.3	964.2	937.1
27.5°	15720.3	13323.4	8672.4	5114.1	2840.1	1581.1	1175.9	991.3	899.1	853.9	828.5
30°	17004.7	14698.2	8994.4	4739.6	2406.0	1378.5	1076.4	904.5	797.8	768.8	745.3
32.5°	18128.1	15738.4	9222.3	4401.3	2122.0	1224.7	973.2	808.6	736.3	680.2	654.9
35°	19291.3	16604.9	9215.1	4164.3	1926.6	1108.9	886.4	723.6	636.8	571.6	551.7
37.5°	20550.4	17583.6	9057.7	3961.7	1841.6	1016.7	837.6	678.4	591.5	526.4	501.1
40°	22024.7	18611.1	8896.7	3771.8	1818.1	942.5	803.2	642.2	549.9	486.6	461.3
42.5°	23461.1	19537.3	8755.6	3630.7	1716.8	940.7	772.4	615.1	517.4	455.9	426.9
45°	24609.8	20400.2	8728.5	3545.7	1610.0	973.2	756.2	597.0	492.1	430.5	403.4
47.5°	25565.0	21337.3	8902.1	3486.0	1508.7	888.2	796.0	584.3	468.5	408.8	378.1
50°	26701.0	22487.8	9311.0	3388.3	1402.0	799.6	911.7	587.9	448.6	387.1	354.6
52.5°	28285.7	24079.8	9911.6	3223.7	1255.5	718.2	897.3	591.5	426.9	363.6	331.0
55°	30062.2	26067.9	10557.4	2950.5	1051.0	611.4	768.8	566.2	385.3	338.3	307.5
57.5°	31929.1	27871.4	10940.9	2624.9	835.8	528.2	615.1	515.6	340.1	303.9	284.0
60°	32222.1	28557.1	10765.4	2225.1	663.9	459.5	455.9	524.6	303.9	267.7	253.3
62.5°	31493.1	27696.0	9917.0	1868.7	555.4	403.4	374.5	457.7	275.0	238.8	224.3
65°	30091.1	25367.8	8542.2	1684.2	515.6	345.5	311.2	322.0	240.6	208.0	195.4
67.5°	28141.0	22259.9	7013.5	1579.3	510.1	296.7	265.9	244.2	208.0	180.9	170.0
70°	24153.9	18544.2	5595.3	1521.4	495.7	249.6	224.3	199.0	173.7	153.8	144.7
72.5°	17777.2	13140.7	4352.5	1458.1	499.3	199.0	195.4	164.6	139.3	119.4	115.8
75°	10271.6	7507.4	2854.6	1181.3	475.8	153.8	162.8	115.8	97.7	83.2	83.2
77.5°	5474.1	4578.6	1087.2	492.1	173.7	97.7	92.3	68.7	61.5	50.7	48.8
80°	2386.1	2015.2	327.4	137.5	95.9	52.5	34.4	30.8	27.1	21.7	19.9
82.5°	844.8	729.0	106.7	66.9	41.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	191.8	137.5	0.0	16.3	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: P324124

CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4
2.5°	10866.7	10826.9	10591.8	10600.8	10642.4	10702.1	10561.0	10626.1	10801.6	10969.8	11033.2
5°	8402.9	8411.9	8269.0	8357.6	8437.2	8491.5	8263.6	8267.2	8406.5	8596.4	8695.9
7.5°	5920.9	5906.4	5913.7	6125.3	6275.5	6166.9	6251.9	5957.1	5975.2	6110.8	6009.5
10°	4401.3	4202.3	4090.2	4249.4	4414.0	4354.3	4207.8	4111.9	4178.8	4329.0	4318.1
12.5°	3458.8	3173.0	3004.8	2890.8	3026.5	2914.3	2910.7	2827.5	2737.0	2753.3	2993.9
15°	2601.4	2393.3	2194.3	2011.6	2008.0	1970.0	1776.4	1559.4	1541.3	1552.1	1677.0
17.5°	1789.1	1718.6	1637.2	1479.8	1438.2	1279.0	1090.8	1004.0	960.6	980.5	1022.1
20°	1257.3	1230.1	1239.2	1154.1	1094.5	942.5	832.1	797.8	790.5	810.4	830.3
22.5°	1042.0	993.1	987.7	949.7	890.0	779.7	720.0	700.1	691.0	709.1	723.6
25°	911.7	862.9	843.0	819.5	756.2	680.2	644.0	625.9	616.9	627.7	636.8
27.5°	803.2	758.0	739.9	723.6	662.1	607.8	578.9	562.6	555.4	559.0	568.0
30°	721.8	682.0	658.5	638.6	586.1	548.1	522.8	506.5	499.3	499.3	508.3
32.5°	636.8	615.1	593.4	568.0	519.2	493.9	468.5	450.4	443.2	445.0	452.3
35°	530.0	522.8	528.2	504.7	463.1	441.4	416.1	396.2	390.7	392.6	399.8
37.5°	470.3	437.8	457.7	445.0	421.5	392.6	360.0	341.9	332.9	338.3	341.9
40°	432.4	392.6	378.1	390.7	387.1	340.1	311.2	293.1	285.8	287.6	291.3
42.5°	399.8	352.8	320.2	318.4	340.1	296.7	265.9	249.6	240.6	240.6	244.2
45°	369.0	318.4	278.6	247.8	285.8	251.5	222.5	208.0	197.2	197.2	199.0
47.5°	345.5	289.4	242.4	202.6	215.3	206.2	182.7	168.2	157.4	157.4	159.2
50°	323.8	260.5	209.8	170.0	161.0	170.0	148.3	132.1	124.8	123.0	126.6
52.5°	300.3	231.6	179.1	144.7	126.6	128.4	115.8	104.9	95.9	95.9	99.5
55°	276.8	208.0	155.6	123.0	104.9	95.9	92.3	85.0	77.8	77.8	81.4
57.5°	253.3	182.7	132.1	101.3	83.2	76.0	76.0	70.6	65.1	65.1	68.7
60°	231.6	157.4	108.5	83.2	65.1	63.3	65.1	59.7	56.1	56.1	59.7
62.5°	206.2	133.9	88.6	68.7	52.5	50.7	56.1	52.5	48.8	48.8	52.5
65°	175.5	114.0	70.6	52.5	39.8	39.8	47.0	43.4	39.8	39.8	43.4
67.5°	148.3	95.9	54.3	38.0	28.9	30.8	39.8	36.2	34.4	34.4	38.0
70°	123.0	74.2	38.0	23.5	16.3	23.5	30.8	30.8	30.8	30.8	34.4
72.5°	92.3	50.7	21.7	9.0	7.2	16.3	25.3	28.9	27.1	27.1	32.6
75°	59.7	28.9	7.2	0.0	0.0	9.0	19.9	23.5	23.5	21.7	27.1
77.5°	34.4	9.0	0.0	0.0	0.0	0.0	12.7	10.9	9.0	7.2	12.7
80°	9.0	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: P324124
 CATALOG NUMBER: GAN-SA0B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4	12811.4
2.5°	11288.2	11501.7	11802.0	12120.4	12610.6	12999.6	13381.3	13708.7	13835.3	13887.8
5°	8934.7	9247.7	9687.3	10251.7	11136.3	11932.2	12739.1	13551.3	13904.1	13992.7
7.5°	6411.1	6810.9	7369.9	8077.2	9113.8	10144.9	11272.0	12464.1	13010.4	13147.9
10°	4745.0	5233.5	5873.9	6619.2	7608.7	8668.8	9897.1	11259.3	11883.4	12066.1
12.5°	3366.6	4026.9	4884.3	5790.6	6648.1	7594.2	8837.0	10338.5	10993.4	11190.5
15°	1977.2	2615.8	3630.7	4844.5	5942.6	6901.4	8164.1	9866.3	10588.1	10787.1
17.5°	1134.3	1452.6	2219.7	3572.8	5063.4	6391.2	7952.4	9983.9	10834.2	11018.7
20°	866.5	967.8	1279.0	2301.1	4035.9	5890.1	7952.4	10649.7	11697.1	11968.4
22.5°	758.0	832.1	958.8	1373.0	2970.4	5352.9	8044.7	11612.0	12981.5	13281.8
25°	673.0	739.9	848.4	1032.9	2026.1	4714.3	8263.6	12793.3	14493.8	14882.7
27.5°	602.4	665.7	763.4	904.5	1385.7	3943.6	8558.4	14179.0	16161.7	16472.9
30°	539.1	598.8	687.4	786.9	1069.1	3069.9	8809.9	15485.1	17471.4	17806.1
32.5°	479.4	533.7	613.3	687.4	875.6	2270.3	8837.0	16519.9	18558.7	18891.5
35°	423.3	472.2	544.5	602.4	725.4	1792.7	8415.5	17417.2	19645.9	20085.5
37.5°	369.0	416.1	479.4	522.8	638.6	1461.7	7771.5	18417.5	21040.6	21447.6
40°	318.4	360.0	425.1	454.1	604.2	1123.4	7071.4	19466.8	22408.2	22780.9
42.5°	271.4	311.2	374.5	430.5	530.0	839.4	6315.3	20450.9	23638.4	24029.1
45°	226.1	267.7	331.0	455.9	439.6	627.7	5506.6	21103.9	24609.8	25034.9
47.5°	182.7	229.7	316.6	434.2	350.9	461.3	4866.2	21722.6	25346.1	25765.8
50°	146.5	193.6	356.4	387.1	287.6	352.8	4598.5	22276.2	25829.1	26232.5
52.5°	119.4	162.8	336.5	296.7	240.6	291.3	4743.2	23173.4	26275.9	26529.2
55°	99.5	128.4	202.6	206.2	204.4	247.8	4922.3	24461.5	27431.9	27551.2
57.5°	86.8	103.1	141.1	159.2	171.9	220.7	4925.9	26310.3	29221.0	29295.1
60°	74.2	90.5	117.6	128.4	148.3	197.2	4746.8	26956.1	29924.7	30170.7
62.5°	65.1	79.6	97.7	106.7	124.8	177.3	4327.2	26020.8	28958.7	29376.5
65°	57.9	72.4	81.4	90.5	110.3	159.2	3636.1	24150.3	27355.9	27791.8
67.5°	50.7	63.3	72.4	81.4	99.5	141.1	2677.3	21977.7	25516.1	25877.9
70°	45.2	56.1	65.1	72.4	86.8	119.4	1624.5	18649.1	22972.6	23122.8
72.5°	43.4	50.7	59.7	65.1	76.0	104.9	823.1	13705.1	18365.1	18609.3
75°	38.0	45.2	54.3	57.9	66.9	90.5	334.7	9001.6	13308.9	13701.5
77.5°	30.8	41.6	48.8	52.5	57.9	74.2	170.0	5752.7	9339.9	9593.2
80°	10.9	30.8	41.6	43.4	48.8	54.3	112.2	3149.5	5418.0	5526.5
82.5°	0.0	19.9	32.6	30.8	34.4	41.6	72.4	1497.9	3576.4	3616.2
85°	0.0	9.0	25.3	19.9	14.5	28.9	25.3	327.4	1875.9	1953.7
87.5°	0.0	0.0	1.8	9.0	7.2	10.9	3.6	1.8	170.0	215.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)