

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: P324140

Luminaire Tested: **GAN-SA6D-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324140
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-SA6D-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 31331 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

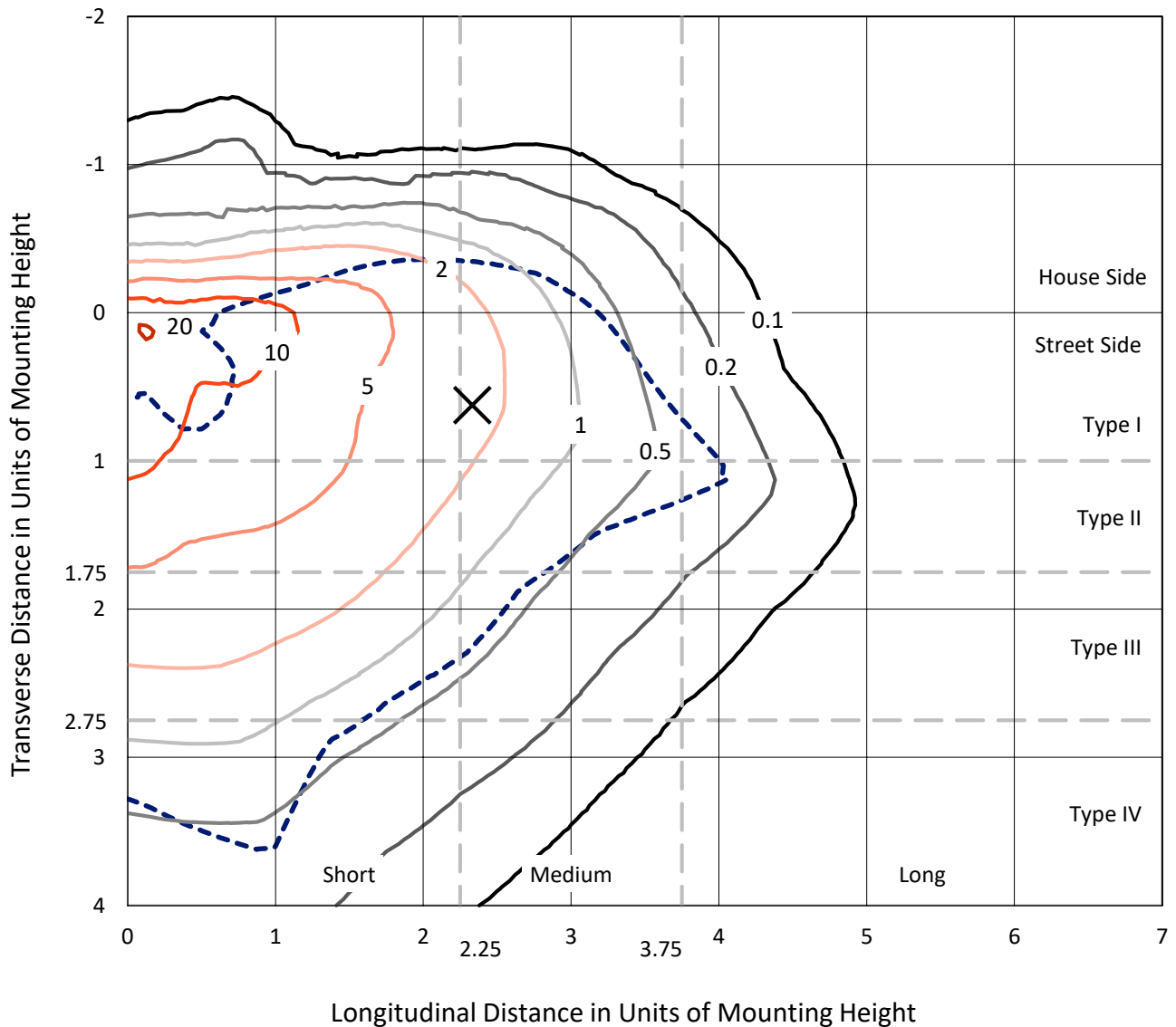
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

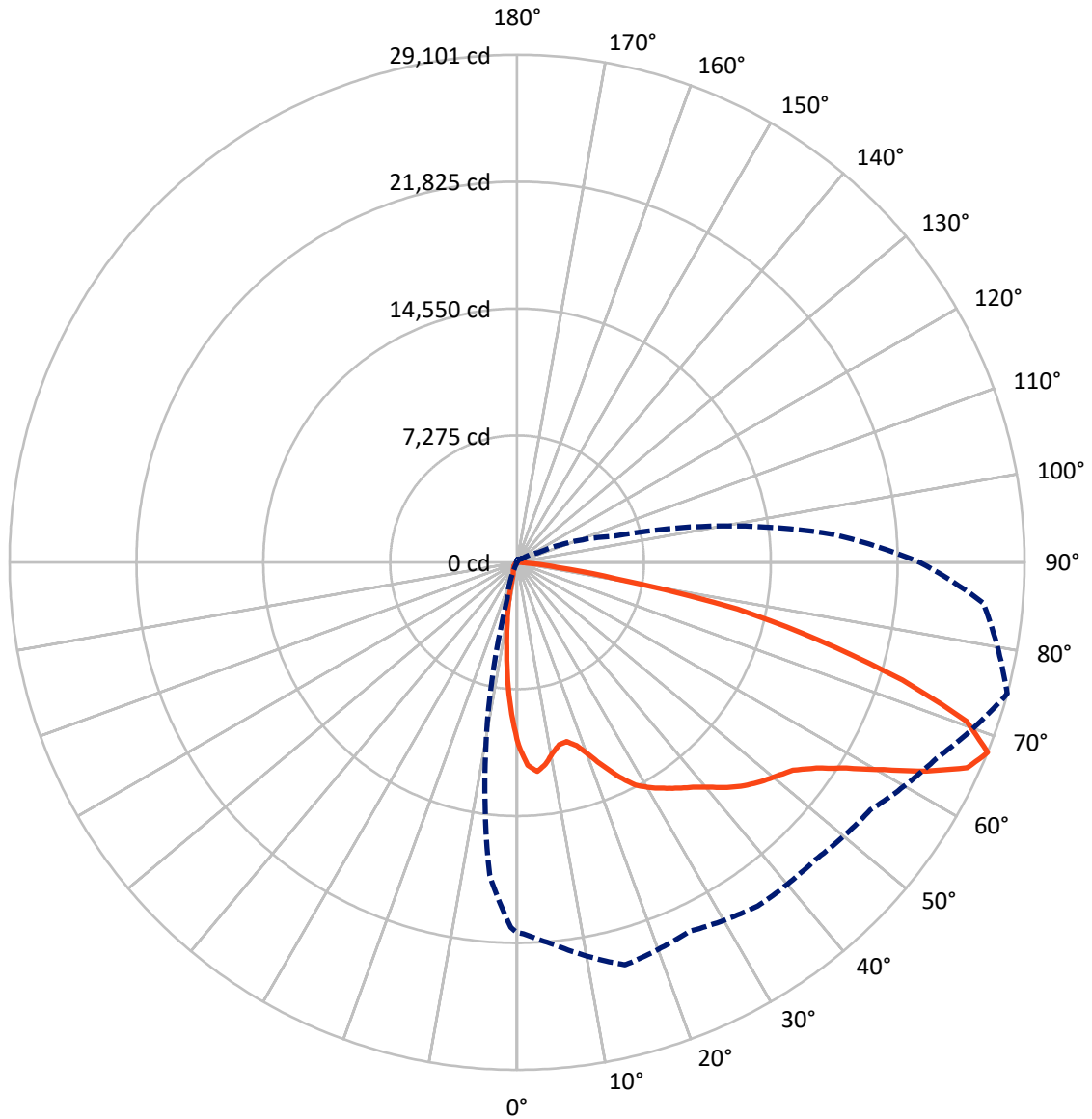
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4701.5	0.0	4701.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	26629.5	0.0	26629.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	31331.0	0.0	31331.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.3	2.5
10°-20°	1569.9	5.0
20°-30°	2221.0	7.1
30°-40°	3265.5	10.4
40°-50°	4693.6	15.0
50°-60°	6607.3	21.1
60°-70°	7716.7	24.6
70°-80°	3936.8	12.6
80°-90°	523.0	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°	31331.0	100.0
0°-180°	31331.0	100.0

Coefficient of Utilization

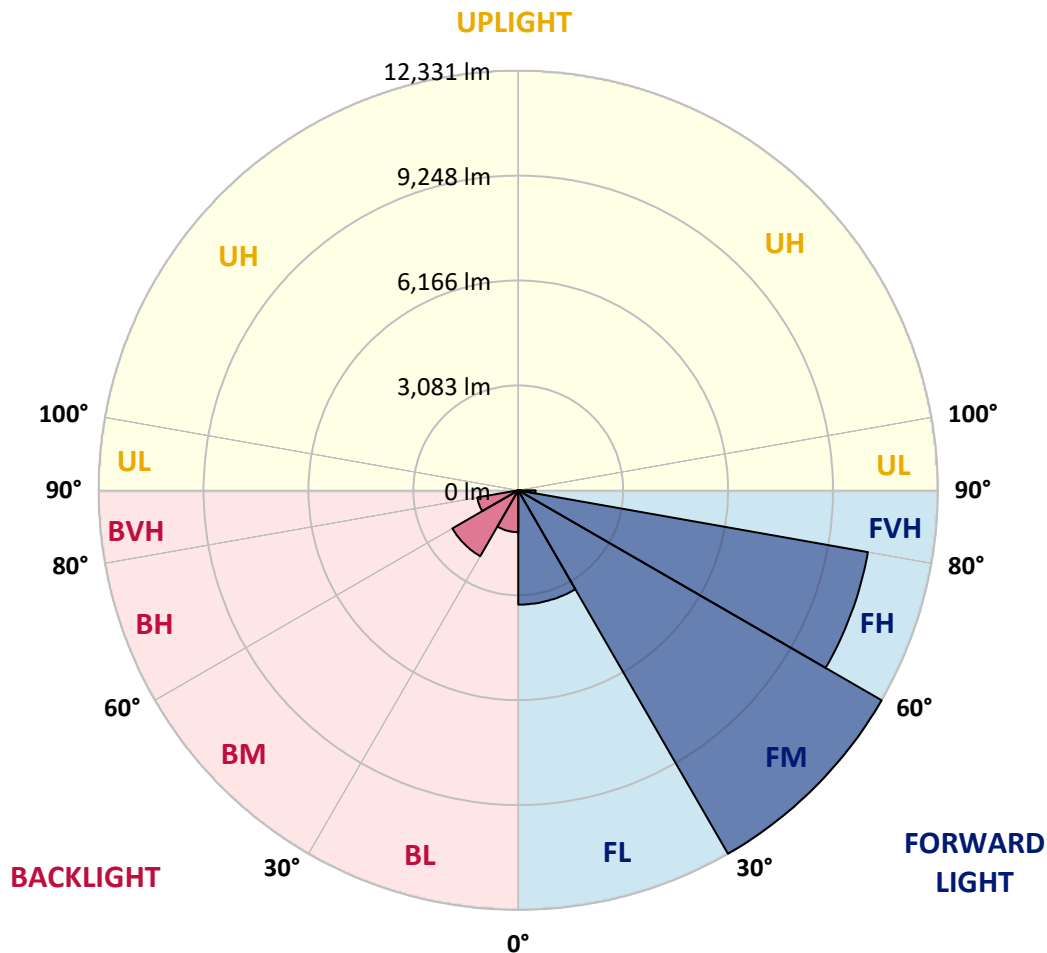


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3358.7	10.7			
FM (30°-60°)	12331.3	39.4			
FH (60°-80°)	10432.3	33.3			G4/12000
FVH (80°-90°)	507.1	1.6			G4/750
BL (0°-30°)	1229.5	3.9	B3/2500		
BM (30°-60°)	2235.0	7.1	B2/2500		
BH (60°-80°)	1221.2	3.9	B3/2500		G3/2500
BVH (80°-90°)	15.9	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0
2.5°	11394.1	11411.9	11503.9	11717.7	11950.7	11968.5	12125.8	11964.0	11909.1	11647.9	11377.8
5°	11480.2	11548.5	11864.6	12492.4	13037.1	13212.2	13336.9	13019.3	12685.3	12047.1	11365.9
7.5°	10787.1	10901.4	11398.6	12577.0	13550.6	13981.0	14062.7	13565.5	12747.7	11696.9	10672.8
10°	9899.5	10030.1	10629.7	12078.3	13415.6	14153.2	14266.0	13614.5	12439.0	11129.9	9923.3
12.5°	9181.2	9334.1	9947.0	11517.3	12951.0	13767.3	13989.9	13449.7	12171.8	10727.7	9411.2
15°	8850.2	9025.3	9669.5	11155.2	12436.0	13078.7	13262.7	13029.7	12023.4	10663.9	9292.5
17.5°	9040.2	9230.2	9895.1	11186.3	11952.2	12226.7	12375.2	12470.1	12023.4	11048.3	9639.8
20°	9819.4	10024.2	10727.7	11502.5	11551.4	11449.0	11607.8	11941.8	12162.9	11778.5	10473.9
22.5°	10896.9	11137.3	11931.4	12044.2	11355.5	10968.1	10988.9	11512.8	12416.7	12704.6	11631.6
25°	12210.4	12504.3	13311.7	12851.6	11437.1	10681.7	10674.3	11159.6	12664.6	13632.3	12921.3
27.5°	13515.0	13838.6	14548.0	13837.1	11774.1	10629.7	10614.9	11052.7	12906.5	14457.5	14329.8
30°	14608.9	14923.5	15535.0	14551.0	12137.7	10751.5	10680.2	11167.0	13050.5	14993.3	15356.9
32.5°	15499.4	15751.7	16245.9	15042.2	12526.5	10987.4	10833.1	11472.8	13295.4	15445.9	16300.8
35°	16478.9	16744.6	16942.0	15509.8	12962.9	11327.3	11106.2	11958.1	13672.3	15906.0	17335.3
37.5°	17596.5	17860.7	17837.0	15937.2	13516.5	11889.8	11748.8	12726.9	14258.6	16361.7	18490.0
40°	18690.4	18960.5	18767.5	16404.7	14166.6	12817.4	12713.5	13881.6	15043.7	16945.0	19843.6
42.5°	19714.5	20006.8	19594.2	16847.0	14941.3	13987.0	14165.1	15368.8	16026.3	17663.3	21010.2
45°	20539.7	20838.0	20287.4	17277.4	15757.6	15405.9	15941.7	17016.2	17207.7	18270.3	21798.3
47.5°	21139.3	21421.3	20768.2	17707.8	16802.5	17140.9	18074.4	18743.8	18274.8	18797.2	22357.8
50°	21522.2	21741.9	20909.2	18246.6	18173.9	19165.3	20296.3	20622.8	19279.6	19272.2	23037.6
52.5°	21765.6	21865.0	21013.1	18809.1	19604.6	21369.3	22472.1	22574.5	20314.1	19794.6	23953.3
55°	22604.2	22684.3	21749.3	19490.3	20787.5	23300.3	24440.1	24345.1	21485.1	20817.2	25033.8
57.5°	24034.9	24119.5	23270.6	20469.9	21744.8	24493.5	25866.4	26037.1	22858.0	22253.9	26191.5
60°	24753.3	24910.6	24607.8	21710.7	22672.4	25256.4	26838.6	27383.3	24573.7	24147.7	27313.5
62.5°	24101.7	24330.3	24769.6	23086.5	23594.1	25676.4	27141.3	27865.6	26331.0	26354.7	28005.1
65°	22801.6	22984.1	23729.2	23840.5	24128.4	25624.5	26393.3	27191.8	27407.0	28382.1	27968.0
67.5°	21231.3	21299.6	21931.8	23899.9	23353.7	24063.1	24146.2	24737.0	26556.6	29100.5	26844.5
70°	18970.9	19008.0	19560.1	21912.5	20069.2	20225.0	20101.8	20222.1	22831.3	27350.6	24008.2
72.5°	15267.8	15361.3	16146.5	18197.6	14620.7	14171.0	15138.7	15085.3	17583.2	23107.3	17831.0
75°	11241.2	11403.0	12588.9	14657.8	10261.7	9282.1	9988.6	10177.1	12499.8	17874.1	11150.7
77.5°	7870.6	7990.9	9139.6	10775.2	7426.9	6637.3	6382.0	6606.1	8250.6	12930.2	5617.6
80°	4534.2	4578.7	5311.9	6221.7	5004.7	5726.0	5187.2	5341.6	4943.8	5752.7	2416.3
82.5°	2966.9	2974.3	3260.8	3703.0	3116.8	3621.4	2680.4	3427.0	3041.1	2310.9	786.6
85°	1602.9	1611.8	1890.9	2628.5	1764.7	997.4	586.3	1203.7	1880.5	529.9	215.2
87.5°	176.6	161.8	569.9	955.8	489.8	90.5	31.2	135.1	301.3	34.1	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°	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0
2.5°	11239.8	11116.6	10809.3	10484.3	10223.1	9978.2	9731.8	9430.5	9197.5	9150.0	9072.8
5°	10999.3	10609.0	9964.8	9317.7	8796.8	8139.3	7722.2	7397.2	7079.6	7060.3	6996.5
7.5°	10159.3	9645.7	8738.9	7843.9	7110.7	6484.4	5852.2	5429.2	5096.7	4979.4	4909.7
10°	9351.9	8774.5	7642.1	6621.0	5966.4	5412.8	4967.6	4525.3	4124.6	3848.5	3723.8
12.5°	8787.9	8149.7	6901.5	6021.3	5552.3	5026.9	4483.7	3931.6	3470.0	3137.6	2934.2
15°	8569.7	7888.5	6653.6	5783.9	5205.0	4540.1	3845.5	3214.7	2702.7	2401.4	2218.9
17.5°	8829.4	8036.9	6634.3	5494.5	4685.6	3858.9	3091.6	2346.5	1864.1	1635.6	1518.3
20°	9488.4	8508.8	6626.9	5139.7	4068.2	3051.5	2094.2	1543.6	1251.2	1123.5	1068.6
22.5°	10420.5	9111.4	6686.3	4789.5	3425.5	2180.3	1445.6	1133.9	984.0	915.7	884.6
25°	11619.7	9957.4	6854.0	4471.9	2821.4	1626.7	1126.5	949.9	844.5	791.1	768.8
27.5°	12897.6	10931.0	7115.2	4195.8	2330.2	1297.2	964.7	813.3	737.6	700.5	679.8
30°	13951.4	12059.0	7379.4	3888.6	1974.0	1131.0	883.1	742.1	654.5	630.8	611.5
32.5°	14873.0	12912.4	7566.4	3611.0	1741.0	1004.8	798.5	663.4	604.1	558.1	537.3
35°	15827.4	13623.4	7560.5	3416.6	1580.7	909.8	727.3	593.7	522.4	469.0	452.7
37.5°	16860.4	14426.3	7431.3	3250.4	1510.9	834.1	687.2	556.6	485.3	431.9	411.1
40°	18070.0	15269.3	7299.2	3094.5	1491.6	773.3	659.0	526.9	451.2	399.2	378.5
42.5°	19248.4	16029.2	7183.5	2978.8	1408.5	771.8	633.7	504.6	424.5	374.0	350.3
45°	20190.9	16737.2	7161.2	2909.0	1320.9	798.5	620.4	489.8	403.7	353.2	331.0
47.5°	20974.5	17506.0	7303.7	2860.0	1237.8	728.7	653.0	479.4	384.4	335.4	310.2
50°	21906.6	18449.9	7639.1	2779.9	1150.2	656.0	748.0	482.4	368.1	317.6	290.9
52.5°	23206.8	19756.0	8131.9	2644.8	1030.0	589.2	736.2	485.3	350.3	298.3	271.6
55°	24664.2	21387.1	8661.7	2420.7	862.3	501.7	630.8	464.6	316.1	277.5	252.3
57.5°	26195.9	22866.9	8976.4	2153.6	685.7	433.4	504.6	423.0	279.0	249.3	233.0
60°	26436.3	23429.4	8832.4	1825.6	544.7	377.0	374.0	430.4	249.3	219.7	207.8
62.5°	25838.2	22722.9	8136.3	1533.2	455.6	331.0	307.2	375.5	225.6	195.9	184.0
65°	24688.0	20812.8	7008.3	1381.8	423.0	283.5	255.3	264.2	197.4	170.7	160.3
67.5°	23088.0	18262.9	5754.2	1295.7	418.5	243.4	218.2	200.4	170.7	148.4	139.5
70°	19816.9	15214.4	4590.6	1248.2	406.7	204.8	184.0	163.3	142.5	126.2	118.7
72.5°	14585.1	10781.1	3571.0	1196.3	409.6	163.3	160.3	135.1	114.3	98.0	95.0
75°	8427.2	6159.4	2342.0	969.2	390.3	126.2	133.6	95.0	80.1	68.3	68.3
77.5°	4491.2	3756.5	892.0	403.7	142.5	80.1	75.7	56.4	50.5	41.6	40.1
80°	1957.6	1653.4	268.6	112.8	78.7	43.0	28.2	25.2	22.3	17.8	16.3
82.5°	693.1	598.1	87.6	54.9	34.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	157.3	112.8	0.0	13.4	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°	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0
2.5°	8915.5	8882.9	8689.9	8697.3	8731.5	8780.5	8664.7	8718.1	8862.1	9000.1	9052.1
5°	6894.1	6901.5	6784.2	6856.9	6922.2	6966.8	6779.8	6782.7	6897.0	7052.9	7134.5
7.5°	4857.7	4845.9	4851.8	5025.5	5148.6	5059.6	5129.4	4887.4	4902.3	5013.6	4930.5
10°	3611.0	3447.8	3355.7	3486.4	3621.4	3572.4	3452.2	3373.6	3428.5	3551.7	3542.8
12.5°	2837.8	2603.3	2465.2	2371.7	2483.0	2391.0	2388.1	2319.8	2245.6	2258.9	2456.3
15°	2134.3	1963.6	1800.3	1650.4	1647.4	1616.3	1457.5	1279.4	1264.5	1273.4	1375.8
17.5°	1467.9	1410.0	1343.2	1214.1	1179.9	1049.3	895.0	823.7	788.1	804.4	838.6
20°	1031.5	1009.2	1016.7	946.9	897.9	773.3	682.7	654.5	648.6	664.9	681.2
22.5°	854.9	814.8	810.4	779.2	730.2	639.7	590.7	574.4	567.0	581.8	593.7
25°	748.0	708.0	691.6	672.3	620.4	558.1	528.4	513.5	506.1	515.0	522.4
27.5°	659.0	621.9	607.0	593.7	543.2	498.7	474.9	461.6	455.6	458.6	466.0
30°	592.2	559.5	540.2	523.9	480.9	449.7	428.9	415.6	409.6	409.6	417.1
32.5°	522.4	504.6	486.8	466.0	426.0	405.2	384.4	369.6	363.6	365.1	371.0
35°	434.9	428.9	433.4	414.1	380.0	362.1	341.4	325.0	320.6	322.1	328.0
37.5°	385.9	359.2	375.5	365.1	345.8	322.1	295.4	280.5	273.1	277.5	280.5
40°	354.7	322.1	310.2	320.6	317.6	279.0	255.3	240.4	234.5	236.0	239.0
42.5°	328.0	289.4	262.7	261.2	279.0	243.4	218.2	204.8	197.4	197.4	200.4
45°	302.8	261.2	228.6	203.3	234.5	206.3	182.6	170.7	161.8	161.8	163.3
47.5°	283.5	237.5	198.9	166.2	176.6	169.2	149.9	138.0	129.1	129.1	130.6
50°	265.7	213.7	172.2	139.5	132.1	139.5	121.7	108.3	102.4	100.9	103.9
52.5°	246.4	190.0	146.9	118.7	103.9	105.4	95.0	86.1	78.7	78.7	81.6
55°	227.1	170.7	127.6	100.9	86.1	78.7	75.7	69.8	63.8	63.8	66.8
57.5°	207.8	149.9	108.3	83.1	68.3	62.3	62.3	57.9	53.4	53.4	56.4
60°	190.0	129.1	89.1	68.3	53.4	51.9	53.4	49.0	46.0	46.0	49.0
62.5°	169.2	109.8	72.7	56.4	43.0	41.6	46.0	43.0	40.1	40.1	43.0
65°	144.0	93.5	57.9	43.0	32.7	32.7	38.6	35.6	32.7	32.7	35.6
67.5°	121.7	78.7	44.5	31.2	23.7	25.2	32.7	29.7	28.2	28.2	31.2
70°	100.9	60.9	31.2	19.3	13.4	19.3	25.2	25.2	25.2	25.2	28.2
72.5°	75.7	41.6	17.8	7.4	5.9	13.4	20.8	23.7	22.3	22.3	26.7
75°	49.0	23.7	5.9	0.0	0.0	7.4	16.3	19.3	19.3	17.8	22.3
77.5°	28.2	7.4	0.0	0.0	0.0	0.0	10.4	8.9	7.4	5.9	10.4
80°	7.4	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: P324140
 CATALOG NUMBER: GAN-SA6D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0	10511.0
2.5°	9261.3	9436.5	9682.8	9944.1	10346.3	10665.4	10978.5	11247.2	11351.1	11394.1
5°	7330.4	7587.2	7947.8	8410.9	9136.7	9789.7	10451.6	11118.0	11407.5	11480.2
7.5°	5260.0	5588.0	6046.6	6626.9	7477.3	8323.3	9248.0	10226.1	10674.3	10787.1
10°	3893.0	4293.8	4819.2	5430.6	6242.5	7112.2	8120.0	9237.6	9749.6	9899.5
12.5°	2762.1	3303.8	4007.3	4750.9	5454.4	6230.6	7250.3	8482.1	9019.4	9181.2
15°	1622.2	2146.1	2978.8	3974.7	4875.6	5662.2	6698.1	8094.8	8686.9	8850.2
17.5°	930.6	1191.8	1821.1	2931.3	4154.2	5243.6	6524.5	8191.2	8888.8	9040.2
20°	710.9	794.0	1049.3	1887.9	3311.2	4832.5	6524.5	8737.4	9596.8	9819.4
22.5°	621.9	682.7	786.6	1126.5	2437.0	4391.7	6600.2	9527.0	10650.5	10896.9
25°	552.1	607.0	696.1	847.5	1662.3	3867.8	6779.8	10496.2	11891.3	12210.4
27.5°	494.2	546.2	626.3	742.1	1136.9	3235.5	7021.7	11633.1	13259.7	13515.0
30°	442.3	491.3	564.0	645.6	877.2	2518.7	7228.0	12704.6	14334.3	14608.9
32.5°	393.3	437.8	503.1	564.0	718.3	1862.7	7250.3	13553.6	15226.3	15499.4
35°	347.3	387.4	446.7	494.2	595.2	1470.8	6904.4	14289.8	16118.3	16478.9
37.5°	302.8	341.4	393.3	428.9	523.9	1199.2	6376.1	15110.5	17262.6	17596.5
40°	261.2	295.4	348.8	372.5	495.7	921.7	5801.7	15971.3	18384.6	18690.4
42.5°	222.6	255.3	307.2	353.2	434.9	688.7	5181.3	16778.7	19393.9	19714.5
45°	185.5	219.7	271.6	374.0	360.7	515.0	4517.9	17314.5	20190.9	20539.7
47.5°	149.9	188.5	259.7	356.2	287.9	378.5	3992.5	17822.1	20794.9	21139.3
50°	120.2	158.8	292.4	317.6	236.0	289.4	3772.8	18276.3	21191.2	21522.2
52.5°	98.0	133.6	276.1	243.4	197.4	239.0	3891.5	19012.4	21557.8	21765.6
55°	81.6	105.4	166.2	169.2	167.7	203.3	4038.5	20069.2	22506.2	22604.2
57.5°	71.2	84.6	115.8	130.6	141.0	181.1	4041.4	21586.0	23974.1	24034.9
60°	60.9	74.2	96.5	105.4	121.7	161.8	3894.5	22115.9	24551.4	24753.3
62.5°	53.4	65.3	80.1	87.6	102.4	145.5	3550.2	21348.6	23758.9	24101.7
65°	47.5	59.4	66.8	74.2	90.5	130.6	2983.2	19813.9	22443.9	22801.6
67.5°	41.6	51.9	59.4	66.8	81.6	115.8	2196.6	18031.4	20934.5	21231.3
70°	37.1	46.0	53.4	59.4	71.2	98.0	1332.8	15300.5	18847.7	18970.9
72.5°	35.6	41.6	49.0	53.4	62.3	86.1	675.3	11244.2	15067.5	15267.8
75°	31.2	37.1	44.5	47.5	54.9	74.2	274.6	7385.3	10919.2	11241.2
77.5°	25.2	34.1	40.1	43.0	47.5	60.9	139.5	4719.7	7662.9	7870.6
80°	8.9	25.2	34.1	35.6	40.1	44.5	92.0	2584.0	4445.1	4534.2
82.5°	0.0	16.3	26.7	25.2	28.2	34.1	59.4	1228.9	2934.2	2966.9
85°	0.0	7.4	20.8	16.3	11.9	23.7	20.8	268.6	1539.1	1602.9
87.5°	0.0	0.0	1.5	7.4	5.9	8.9	3.0	1.5	139.5	176.6
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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