

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: P324137

Luminaire Tested: **GAN-SA3D-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324137
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-SA3D-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 15992 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

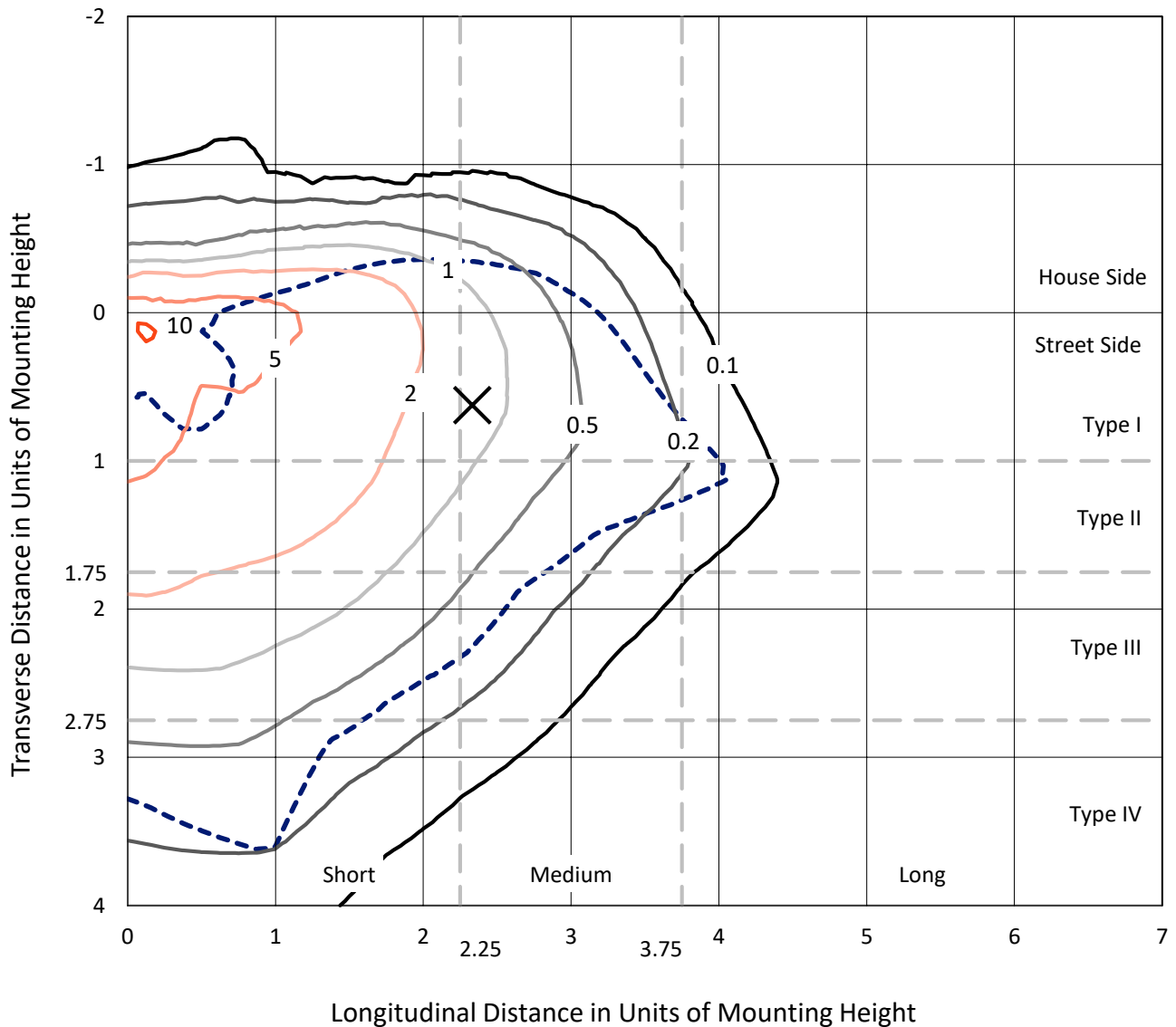
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

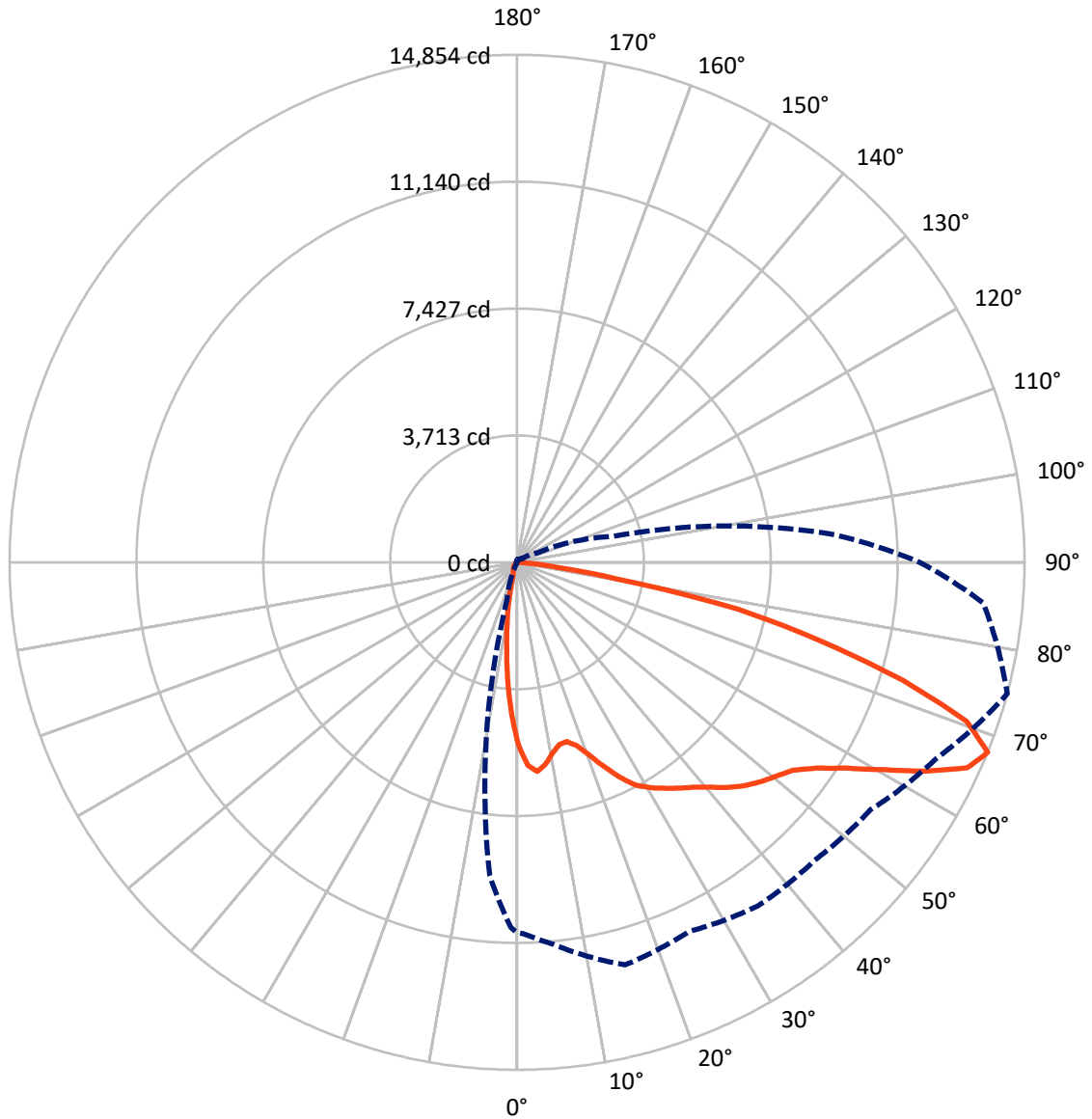
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P324137
CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

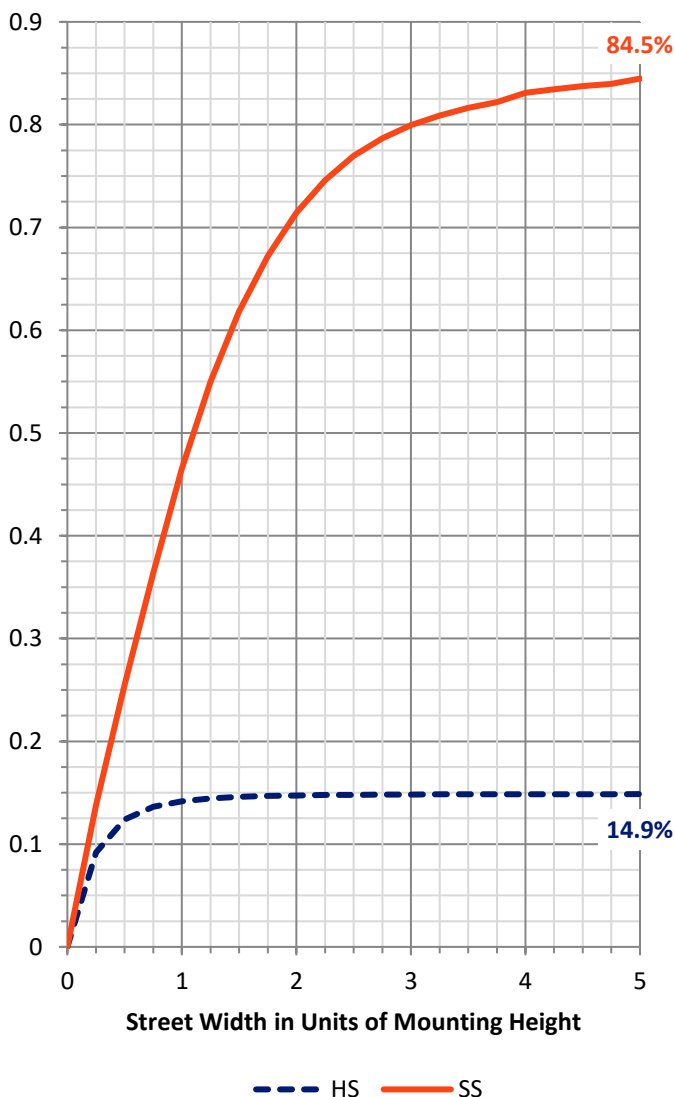
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2399.8	0.0	2399.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	13592.2	0.0	13592.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	15992.0	0.0	15992.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.0	2.5
10°-20°	801.3	5.0
20°-30°	1133.6	7.1
30°-40°	1666.8	10.4
40°-50°	2395.7	15.0
50°-60°	3372.5	21.1
60°-70°	3938.8	24.6
70°-80°	2009.4	12.6
80°-90°	266.9	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°	15992.0	100.0
0°-180°	15992.0	100.0

Coefficient of Utilization

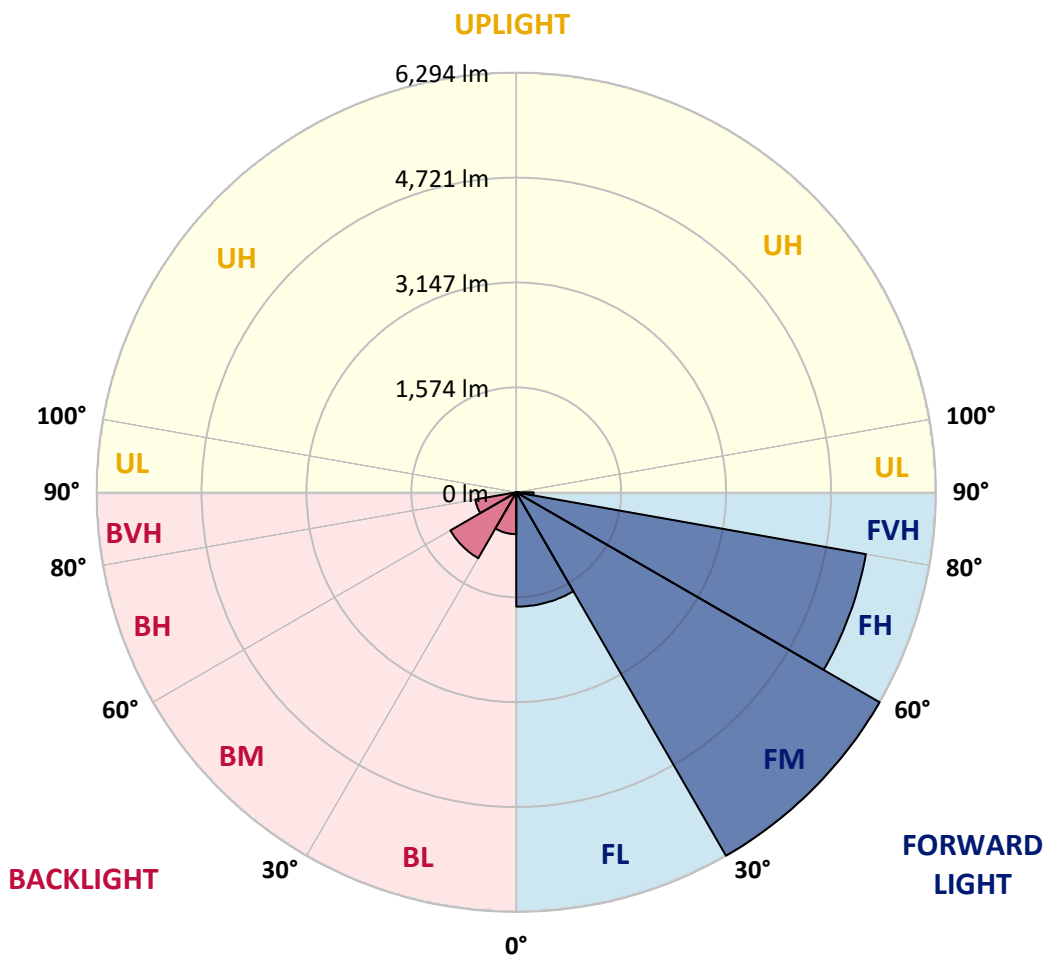


REPORT NUMBER: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.3	10.7			
FM (30°-60°)	6294.2	39.4			
FH (60°-80°)	5324.9	33.3			G3/7500
FVH (80°-90°)	258.8	1.6			G3/500
BL (0°-30°)	627.6	3.9	B2/1000		
BM (30°-60°)	1140.8	7.1	B2/2500		
BH (60°-80°)	623.3	3.9	B2/1000		G2/1000
BVH (80°-90°)	8.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





REPORT NUMBER: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0
2.5°	5815.8	5824.9	5871.9	5980.9	6099.9	6109.0	6189.3	6106.7	6078.7	5945.3	5807.5
5°	5859.7	5894.6	6055.9	6376.4	6654.4	6743.8	6807.4	6645.3	6474.9	6149.1	5801.4
7.5°	5505.9	5564.3	5818.1	6419.6	6916.5	7136.2	7177.9	6924.1	6506.7	5970.3	5447.6
10°	5052.9	5119.6	5425.6	6165.0	6847.6	7224.1	7281.7	6949.1	6349.1	5680.9	5065.0
12.5°	4686.3	4764.3	5077.2	5878.7	6610.5	7027.1	7140.8	6865.0	6212.8	5475.6	4803.7
15°	4517.3	4606.7	4935.5	5693.8	6347.6	6675.6	6769.6	6650.6	6137.0	5443.1	4743.1
17.5°	4614.3	4711.3	5050.7	5709.7	6100.6	6240.8	6316.5	6365.0	6137.0	5639.3	4920.4
20°	5012.0	5116.6	5475.6	5871.1	5896.1	5843.8	5924.9	6095.3	6208.2	6012.0	5346.1
22.5°	5562.0	5684.7	6090.0	6147.6	5796.1	5598.4	5609.0	5876.4	6337.8	6484.7	5937.0
25°	6232.4	6382.4	6794.6	6559.7	5837.8	5452.2	5448.4	5696.1	6464.3	6958.2	6595.3
27.5°	6898.3	7063.5	7425.6	7062.7	6009.7	5425.6	5418.1	5641.6	6587.7	7379.4	7314.2
30°	7456.7	7617.3	7929.4	7427.1	6195.3	5487.8	5451.4	5699.9	6661.2	7652.9	7838.5
32.5°	7911.2	8040.0	8292.3	7677.9	6393.8	5608.2	5529.4	5855.9	6786.2	7883.9	8320.3
35°	8411.2	8546.8	8647.6	7916.5	6616.5	5781.7	5668.8	6103.7	6978.6	8118.8	8848.3
37.5°	8981.6	9116.5	9104.4	8134.7	6899.1	6068.8	5996.8	6496.1	7277.9	8351.3	9437.7
40°	9540.0	9677.8	9579.4	8373.3	7230.9	6542.3	6489.3	7085.5	7678.6	8649.1	10128.6
42.5°	10062.7	10211.9	10001.3	8599.1	7626.4	7139.2	7230.2	7844.5	8180.1	9015.7	10724.0
45°	10483.9	10636.1	10355.1	8818.8	8043.0	7863.5	8137.0	8685.4	8783.2	9325.6	11126.3
47.5°	10789.9	10933.9	10600.5	9038.5	8576.3	8749.1	9225.6	9567.2	9327.8	9594.5	11411.9
50°	10985.4	11097.5	10672.5	9313.4	9276.3	9782.4	10359.6	10526.3	9840.7	9836.9	11758.9
52.5°	11109.6	11160.4	10725.5	9600.6	10006.6	10907.4	11470.2	11522.5	10368.7	10103.6	12226.3
55°	11537.6	11578.6	11101.3	9948.3	10610.4	11892.9	12474.7	12426.3	10966.4	10625.5	12777.8
57.5°	12267.9	12311.1	11877.8	10448.3	11099.0	12502.0	13202.8	13289.9	11667.2	11358.9	13368.7
60°	12634.6	12714.9	12560.4	11081.6	11572.5	12891.4	13699.0	13977.0	12542.9	12325.5	13941.4
62.5°	12302.0	12418.7	12642.9	11783.9	12042.9	13105.8	13853.5	14223.2	13439.9	13452.0	14294.4
65°	11638.4	11731.6	12111.9	12168.7	12315.7	13079.3	13471.7	13879.3	13989.1	14486.8	14275.5
67.5°	10836.9	10871.7	11194.5	12199.0	11920.2	12282.3	12324.7	12626.3	13555.0	14853.5	13702.0
70°	9683.1	9702.1	9983.9	11184.6	10243.7	10323.3	10260.4	10321.8	11653.6	13960.3	12254.3
72.5°	7793.0	7840.7	8241.5	9288.4	7462.7	7233.2	7727.1	7699.8	8974.8	11794.5	9101.3
75°	5737.8	5820.3	6425.6	7481.7	5237.8	4737.8	5098.4	5194.6	6380.2	9123.3	5691.6
77.5°	4017.3	4078.7	4665.1	5499.9	3790.8	3387.8	3257.5	3371.9	4211.3	6599.9	2867.4
80°	2314.3	2337.1	2711.3	3175.7	2554.5	2922.7	2647.7	2726.5	2523.4	2936.3	1233.3
82.5°	1514.4	1518.2	1664.4	1890.1	1590.9	1848.4	1368.2	1749.2	1552.2	1179.5	401.5
85°	818.2	822.7	965.1	1341.6	900.7	509.1	299.2	614.4	959.8	270.4	109.8
87.5°	90.1	82.6	290.9	487.9	250.0	46.2	15.9	68.9	153.8	17.4	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: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0
2.5°	5737.0	5674.1	5517.3	5351.4	5218.1	5093.1	4967.3	4813.5	4694.6	4670.4	4631.0
5°	5614.3	5415.0	5086.3	4756.0	4490.1	4154.5	3941.6	3775.7	3613.6	3603.7	3571.1
7.5°	5185.5	4923.4	4460.5	4003.7	3629.5	3309.8	2987.1	2771.2	2601.5	2541.6	2506.0
10°	4773.4	4478.7	3900.7	3379.5	3045.4	2762.8	2535.6	2309.8	2105.3	1964.4	1900.7
12.5°	4485.5	4159.8	3522.7	3073.4	2834.0	2565.9	2288.6	2006.8	1771.2	1601.5	1497.7
15°	4374.2	4026.4	3396.1	2952.2	2656.8	2317.4	1962.8	1640.9	1379.5	1225.7	1132.6
17.5°	4506.7	4102.2	3386.3	2804.5	2391.6	1969.7	1578.0	1197.7	951.5	834.8	775.0
20°	4843.1	4343.1	3382.5	2623.4	2076.5	1557.5	1068.9	787.9	638.6	573.5	545.4
22.5°	5318.8	4650.7	3412.8	2444.6	1748.4	1112.9	737.9	578.8	502.3	467.4	451.5
25°	5930.9	5082.5	3498.4	2282.5	1440.1	830.3	575.0	484.8	431.1	403.8	392.4
27.5°	6583.2	5579.4	3631.7	2141.6	1189.4	662.1	492.4	415.1	376.5	357.6	347.0
30°	7121.1	6155.2	3766.6	1984.8	1007.6	577.3	450.7	378.8	334.1	322.0	312.1
32.5°	7591.5	6590.8	3862.0	1843.1	888.6	512.9	407.6	338.6	308.3	284.8	274.2
35°	8078.6	6953.6	3859.0	1743.9	806.8	464.4	371.2	303.0	266.7	239.4	231.1
37.5°	8605.9	7363.5	3793.1	1659.1	771.2	425.7	350.8	284.1	247.7	220.5	209.8
40°	9223.3	7793.8	3725.7	1579.5	761.3	394.7	336.4	268.9	230.3	203.8	193.2
42.5°	9824.8	8181.7	3666.6	1520.4	718.9	393.9	323.5	257.6	216.7	190.9	178.8
45°	10305.9	8543.0	3655.2	1484.8	674.2	407.6	316.7	250.0	206.1	180.3	168.9
47.5°	10705.8	8935.4	3728.0	1459.8	631.8	372.0	333.3	244.7	196.2	171.2	158.3
50°	11181.6	9417.2	3899.2	1418.9	587.1	334.8	381.8	246.2	187.9	162.1	148.5
52.5°	11845.2	10083.9	4150.7	1350.0	525.7	300.8	375.7	247.7	178.8	152.3	138.6
55°	12589.1	10916.4	4421.1	1235.6	440.1	256.1	322.0	237.1	161.4	141.7	128.8
57.5°	13370.9	11671.7	4581.7	1099.2	350.0	221.2	257.6	215.9	142.4	127.3	118.9
60°	13493.7	11958.8	4508.2	931.8	278.0	192.4	190.9	219.7	127.3	112.1	106.1
62.5°	13188.4	11598.2	4152.9	782.6	232.6	168.9	156.8	191.7	115.1	100.0	93.9
65°	12601.3	10623.3	3577.2	705.3	215.9	144.7	130.3	134.8	100.8	87.1	81.8
67.5°	11784.6	9321.8	2937.1	661.4	213.6	124.2	111.4	102.3	87.1	75.8	71.2
70°	10114.9	7765.8	2343.1	637.1	207.6	104.5	93.9	83.3	72.7	64.4	60.6
72.5°	7444.5	5502.9	1822.7	610.6	209.1	83.3	81.8	68.9	58.3	50.0	48.5
75°	4301.4	3143.9	1195.4	494.7	199.2	64.4	68.2	48.5	40.9	34.8	34.8
77.5°	2292.4	1917.4	455.3	206.1	72.7	40.9	38.6	28.8	25.8	21.2	20.5
80°	999.2	843.9	137.1	57.6	40.2	22.0	14.4	12.9	11.4	9.1	8.3
82.5°	353.8	305.3	44.7	28.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	80.3	57.6	0.0	6.8	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: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0
2.5°	4550.7	4534.0	4435.5	4439.3	4456.7	4481.7	4422.6	4449.9	4523.4	4593.8	4620.4
5°	3518.9	3522.7	3462.8	3499.9	3533.3	3556.0	3460.5	3462.1	3520.4	3599.9	3641.6
7.5°	2479.5	2473.4	2476.5	2565.1	2628.0	2582.5	2618.1	2494.6	2502.2	2559.0	2516.6
10°	1843.1	1759.8	1712.8	1779.5	1848.4	1823.4	1762.1	1721.9	1750.0	1812.8	1808.3
12.5°	1448.5	1328.8	1258.3	1210.6	1267.4	1220.4	1218.9	1184.1	1146.2	1153.0	1253.8
15°	1089.4	1002.3	918.9	842.4	840.9	825.0	743.9	653.0	645.4	650.0	702.3
17.5°	749.2	719.7	685.6	619.7	602.3	535.6	456.8	420.4	402.3	410.6	428.0
20°	526.5	515.1	518.9	483.3	458.3	394.7	348.5	334.1	331.1	339.4	347.7
22.5°	436.4	415.9	413.6	397.7	372.7	326.5	301.5	293.2	289.4	297.0	303.0
25°	381.8	361.4	353.0	343.2	316.7	284.8	269.7	262.1	258.3	262.9	266.7
27.5°	336.4	317.4	309.8	303.0	277.3	254.5	242.4	235.6	232.6	234.1	237.9
30°	302.3	285.6	275.8	267.4	245.4	229.5	218.9	212.1	209.1	209.1	212.9
32.5°	266.7	257.6	248.5	237.9	217.4	206.8	196.2	188.6	185.6	186.4	189.4
35°	222.0	218.9	221.2	211.4	193.9	184.8	174.2	165.9	163.6	164.4	167.4
37.5°	197.0	183.3	191.7	186.4	176.5	164.4	150.8	143.2	139.4	141.7	143.2
40°	181.1	164.4	158.3	163.6	162.1	142.4	130.3	122.7	119.7	120.5	122.0
42.5°	167.4	147.7	134.1	133.3	142.4	124.2	111.4	104.5	100.8	100.8	102.3
45°	154.5	133.3	116.7	103.8	119.7	105.3	93.2	87.1	82.6	82.6	83.3
47.5°	144.7	121.2	101.5	84.8	90.1	86.4	76.5	70.5	65.9	65.9	66.7
50°	135.6	109.1	87.9	71.2	67.4	71.2	62.1	55.3	52.3	51.5	53.0
52.5°	125.8	97.0	75.0	60.6	53.0	53.8	48.5	43.9	40.2	40.2	41.7
55°	115.9	87.1	65.2	51.5	43.9	40.2	38.6	35.6	32.6	32.6	34.1
57.5°	106.1	76.5	55.3	42.4	34.8	31.8	31.8	29.5	27.3	27.3	28.8
60°	97.0	65.9	45.5	34.8	27.3	26.5	27.3	25.0	23.5	23.5	25.0
62.5°	86.4	56.1	37.1	28.8	22.0	21.2	23.5	22.0	20.5	20.5	22.0
65°	73.5	47.7	29.5	22.0	16.7	16.7	19.7	18.2	16.7	16.7	18.2
67.5°	62.1	40.2	22.7	15.9	12.1	12.9	16.7	15.2	14.4	14.4	15.9
70°	51.5	31.1	15.9	9.8	6.8	9.8	12.9	12.9	12.9	12.9	14.4
72.5°	38.6	21.2	9.1	3.8	3.0	6.8	10.6	12.1	11.4	11.4	13.6
75°	25.0	12.1	3.0	0.0	0.0	3.8	8.3	9.8	9.8	9.1	11.4
77.5°	14.4	3.8	0.0	0.0	0.0	0.0	5.3	4.5	3.8	3.0	5.3
80°	3.8	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: P324137
 CATALOG NUMBER: GAN-SA3D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0	5365.0
2.5°	4727.2	4816.6	4942.3	5075.7	5281.0	5443.8	5603.7	5740.8	5793.8	5815.8
5°	3741.6	3872.6	4056.7	4293.1	4663.5	4996.9	5334.7	5674.9	5822.6	5859.7
7.5°	2684.8	2852.2	3086.3	3382.5	3816.6	4248.4	4720.4	5219.6	5448.4	5505.9
10°	1987.1	2191.6	2459.8	2771.9	3186.3	3630.2	4144.6	4715.1	4976.4	5052.9
12.5°	1409.8	1686.3	2045.4	2425.0	2784.0	3180.2	3700.7	4329.5	4603.7	4686.3
15°	828.0	1095.4	1520.4	2028.7	2488.6	2890.1	3418.9	4131.7	4434.0	4517.3
17.5°	475.0	608.3	929.5	1496.2	2120.4	2676.5	3330.2	4181.0	4537.0	4614.3
20°	362.9	405.3	535.6	963.6	1690.1	2466.6	3330.2	4459.8	4898.4	5012.0
22.5°	317.4	348.5	401.5	575.0	1243.9	2241.6	3368.9	4862.8	5436.3	5562.0
25°	281.8	309.8	355.3	432.6	848.5	1974.2	3460.5	5357.5	6069.6	6232.4
27.5°	252.3	278.8	319.7	378.8	580.3	1651.5	3584.0	5937.8	6768.0	6898.3
30°	225.8	250.8	287.9	329.5	447.7	1285.6	3689.3	6484.7	7316.5	7456.7
32.5°	200.8	223.5	256.8	287.9	366.7	950.7	3700.7	6918.0	7771.8	7911.2
35°	177.3	197.7	228.0	252.3	303.8	750.7	3524.2	7293.8	8227.1	8411.2
37.5°	154.5	174.2	200.8	218.9	267.4	612.1	3254.5	7712.7	8811.2	8981.6
40°	133.3	150.8	178.0	190.1	253.0	470.4	2961.3	8152.1	9383.9	9540.0
42.5°	113.6	130.3	156.8	180.3	222.0	351.5	2644.6	8564.2	9899.0	10062.7
45°	94.7	112.1	138.6	190.9	184.1	262.9	2306.0	8837.7	10305.9	10483.9
47.5°	76.5	96.2	132.6	181.8	147.0	193.2	2037.8	9096.8	10614.2	10789.9
50°	61.4	81.1	149.2	162.1	120.5	147.7	1925.7	9328.6	10816.4	10985.4
52.5°	50.0	68.2	140.9	124.2	100.8	122.0	1986.3	9704.3	11003.6	11109.6
55°	41.7	53.8	84.8	86.4	85.6	103.8	2061.3	10243.7	11487.6	11537.6
57.5°	36.4	43.2	59.1	66.7	72.0	92.4	2062.8	11018.0	12236.9	12267.9
60°	31.1	37.9	49.2	53.8	62.1	82.6	1987.8	11288.4	12531.6	12634.6
62.5°	27.3	33.3	40.9	44.7	52.3	74.2	1812.1	10896.7	12127.0	12302.0
65°	24.2	30.3	34.1	37.9	46.2	66.7	1522.7	10113.4	11455.8	11638.4
67.5°	21.2	26.5	30.3	34.1	41.7	59.1	1121.2	9203.6	10685.4	10836.9
70°	18.9	23.5	27.3	30.3	36.4	50.0	680.3	7809.7	9620.3	9683.1
72.5°	18.2	21.2	25.0	27.3	31.8	43.9	344.7	5739.3	7690.8	7793.0
75°	15.9	18.9	22.7	24.2	28.0	37.9	140.1	3769.6	5573.4	5737.8
77.5°	12.9	17.4	20.5	22.0	24.2	31.1	71.2	2409.0	3911.3	4017.3
80°	4.5	12.9	17.4	18.2	20.5	22.7	47.0	1318.9	2268.9	2314.3
82.5°	0.0	8.3	13.6	12.9	14.4	17.4	30.3	627.3	1497.7	1514.4
85°	0.0	3.8	10.6	8.3	6.1	12.1	10.6	137.1	785.6	818.2
87.5°	0.0	0.0	0.8	3.8	3.0	4.5	1.5	0.8	71.2	90.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)