

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: P324117

Luminaire Tested: **GAN-SA3B-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324117
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-SA3B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 11779 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

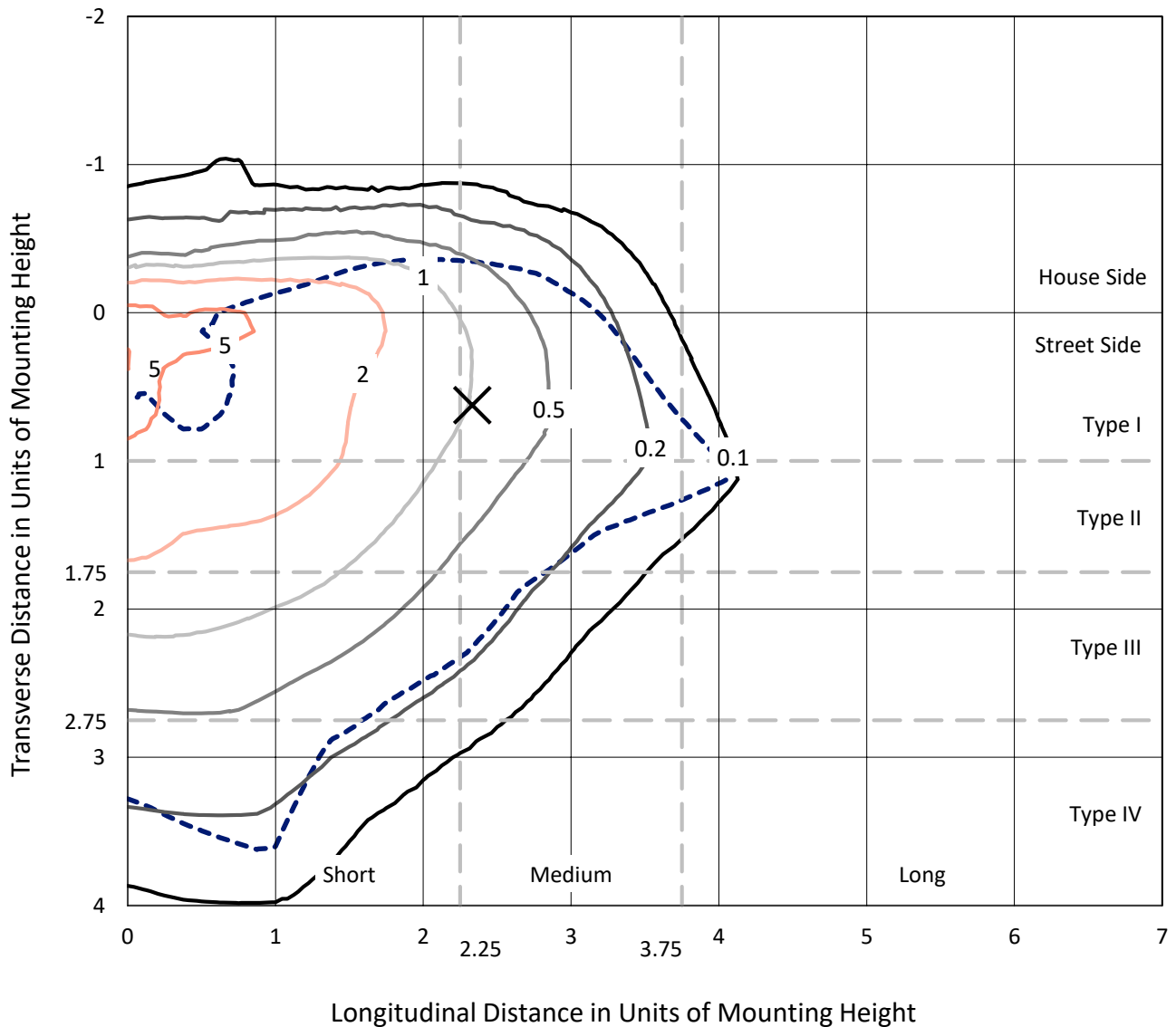
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

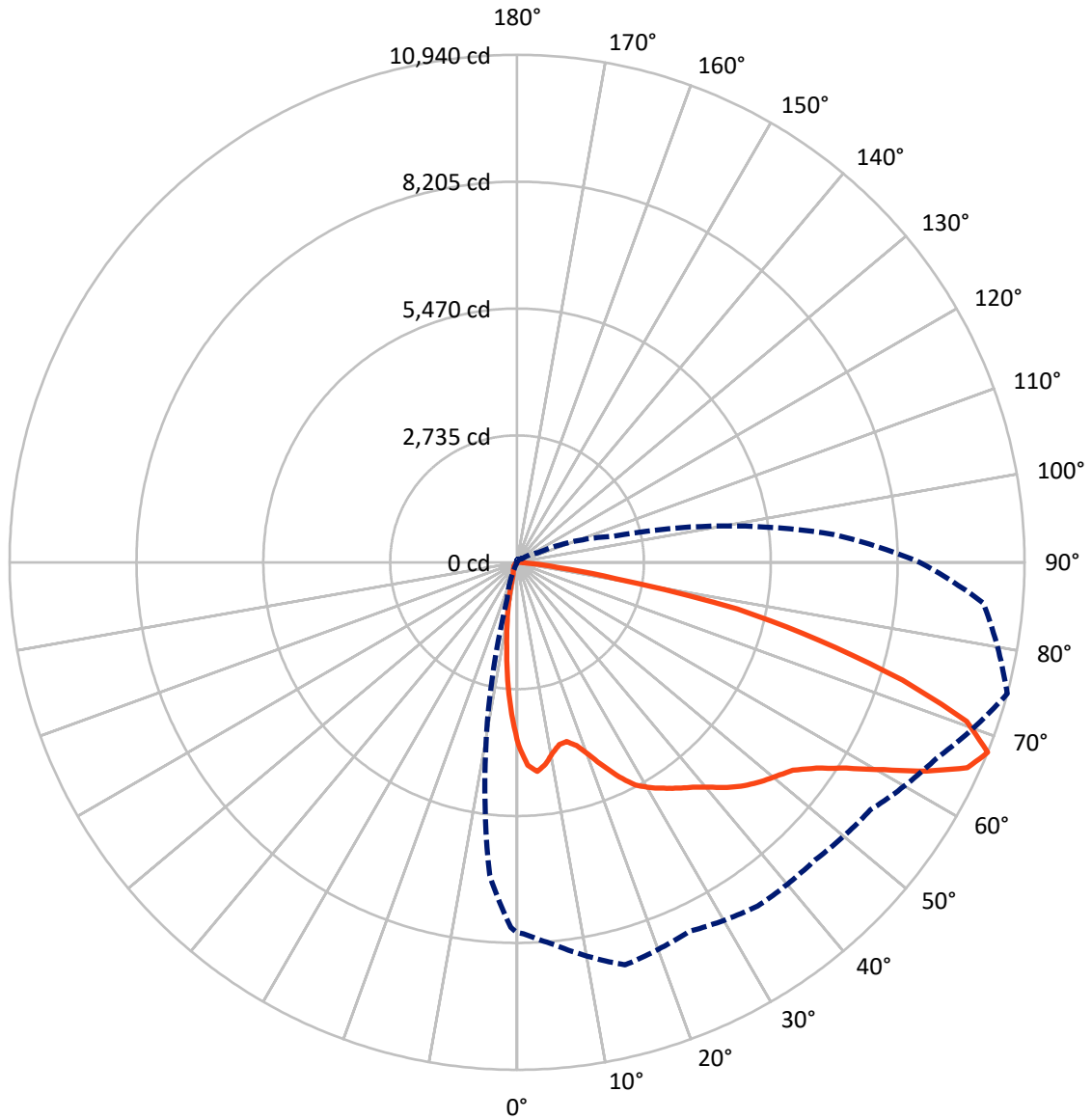
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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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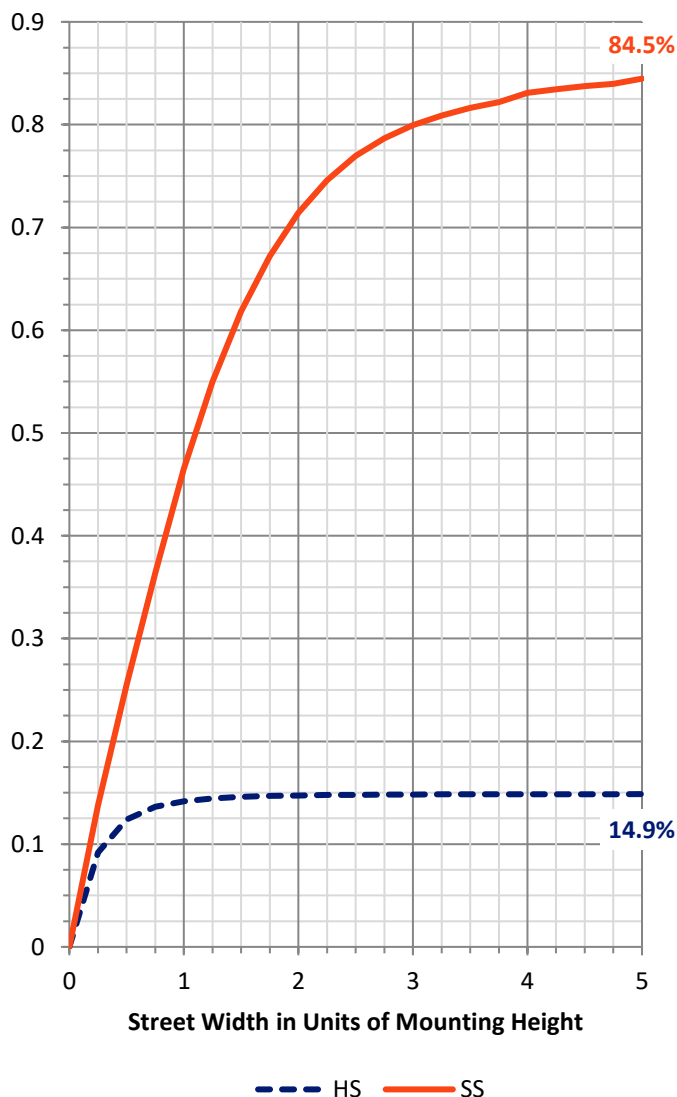
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1767.6	0.0	1767.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	10011.4	0.0	10011.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	11779.0	0.0	11779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	2.5
10°-20°	590.2	5.0
20°-30°	835.0	7.1
30°-40°	1227.7	10.4
40°-50°	1764.6	15.0
50°-60°	2484.0	21.1
60°-70°	2901.1	24.6
70°-80°	1480.1	12.6
80°-90°	196.6	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°	11779.0	100.0
0°-180°	11779.0	100.0

Coefficient of Utilization



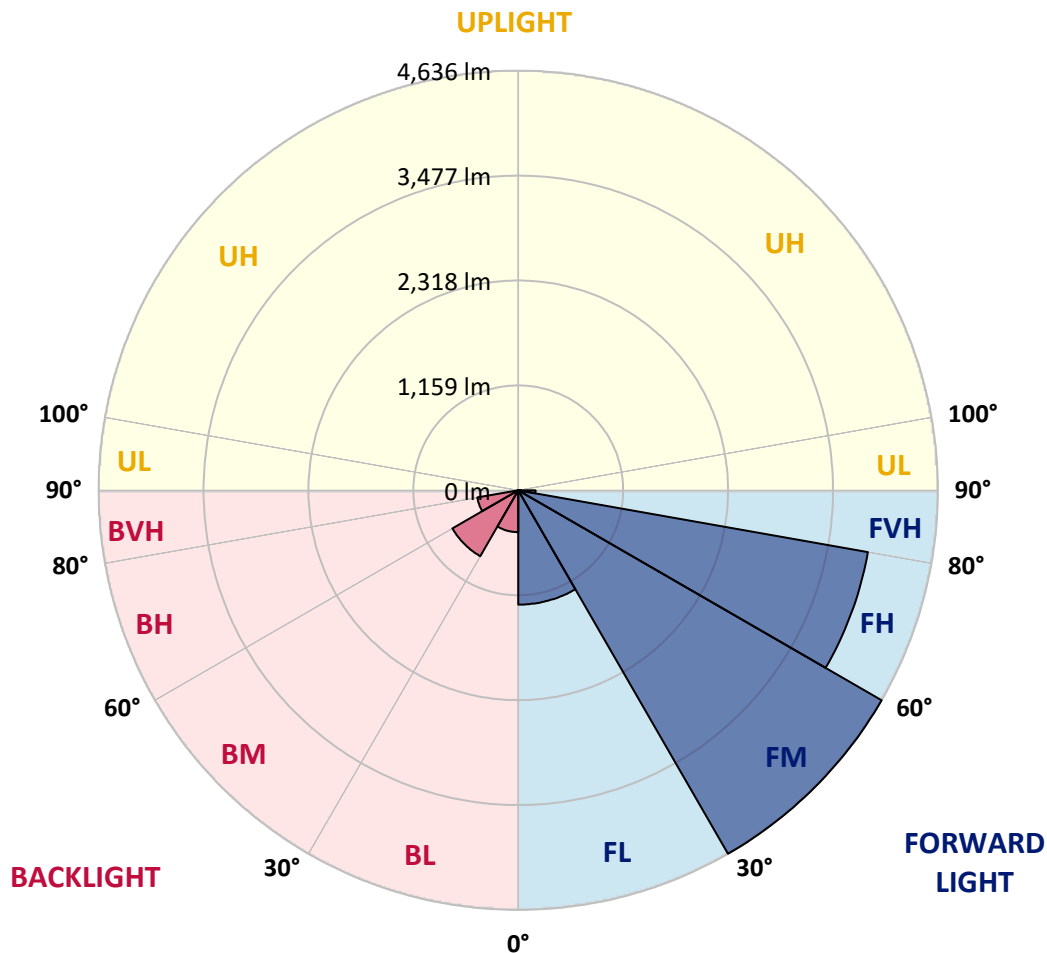
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1262.7	10.7			
FM (30°-60°)	4636.0	39.4			
FH (60°-80°)	3922.1	33.3			G2/5000
FVH (80°-90°)	190.7	1.6			G2/225
BL (0°-30°)	462.2	3.9	B1/500		
BM (30°-60°)	840.2	7.1	B1/1000		
BH (60°-80°)	459.1	3.9	B1/500		G1/500
BVH (80°-90°)	6.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7
2.5°	4283.7	4290.4	4324.9	4405.3	4492.9	4499.6	4558.7	4497.9	4477.3	4379.1	4277.5
5°	4316.0	4341.7	4460.5	4696.6	4901.3	4967.2	5014.1	4894.6	4769.1	4529.2	4273.1
7.5°	4055.4	4098.4	4285.3	4728.4	5094.4	5256.2	5286.9	5100.0	4792.5	4397.5	4012.5
10°	3721.8	3770.9	3996.3	4540.9	5043.6	5320.9	5363.4	5118.4	4676.5	4184.3	3730.7
12.5°	3451.7	3509.2	3739.6	4330.0	4869.0	5175.9	5259.6	5056.5	4576.0	4033.1	3538.2
15°	3327.3	3393.1	3635.3	4193.8	4675.4	4917.0	4986.2	4898.6	4520.2	4009.1	3493.5
17.5°	3398.7	3470.1	3720.1	4205.5	4493.5	4596.7	4652.5	4688.2	4520.2	4153.6	3624.1
20°	3691.6	3768.6	4033.1	4324.4	4342.8	4304.3	4364.0	4489.6	4572.7	4428.2	3937.7
22.5°	4096.7	4187.1	4485.6	4528.1	4269.1	4123.5	4131.3	4328.3	4668.1	4776.4	4372.9
25°	4590.5	4701.0	5004.6	4831.6	4299.8	4015.8	4013.0	4195.5	4761.3	5125.1	4857.8
27.5°	5081.0	5202.7	5469.4	5202.1	4426.5	3996.3	3990.7	4155.3	4852.2	5435.3	5387.3
30°	5492.3	5610.5	5840.4	5470.5	4563.2	4042.0	4015.3	4198.3	4906.4	5636.8	5773.5
32.5°	5827.0	5921.9	6107.7	5655.2	4709.4	4130.8	4072.7	4313.2	4998.4	5807.0	6128.4
35°	6195.3	6295.2	6369.4	5830.9	4873.4	4258.5	4175.4	4495.7	5140.2	5979.9	6517.3
37.5°	6615.5	6714.8	6705.9	5991.6	5081.6	4470.0	4417.0	4784.7	5360.6	6151.2	6951.4
40°	7026.7	7128.3	7055.7	6167.4	5326.0	4818.8	4779.7	5218.8	5655.7	6370.5	7460.3
42.5°	7411.7	7521.6	7366.5	6333.7	5617.2	5258.5	5325.4	5777.9	6025.1	6640.6	7898.8
45°	7722.0	7834.1	7627.1	6495.5	5924.1	5791.9	5993.3	6397.3	6469.3	6868.8	8195.1
47.5°	7947.4	8053.4	7807.9	6657.3	6317.0	6444.2	6795.1	7046.8	6870.5	7066.9	8405.5
50°	8091.3	8173.9	7860.9	6859.9	6832.5	7205.3	7630.5	7753.2	7248.2	7245.4	8661.1
52.5°	8182.9	8220.2	7900.0	7071.3	7370.4	8033.9	8448.5	8487.0	7637.1	7441.9	9005.3
55°	8498.1	8528.2	8176.7	7327.5	7815.1	8759.8	9188.3	9152.6	8077.4	7826.3	9411.5
57.5°	9036.0	9067.8	8748.7	7695.7	8175.0	9208.4	9724.6	9788.7	8593.5	8366.4	9846.8
60°	9306.1	9365.2	9251.4	8162.2	8523.8	9495.2	10090.1	10294.8	9238.6	9078.4	10268.6
62.5°	9061.1	9147.1	9312.2	8679.5	8870.3	9653.1	10203.9	10476.2	9899.2	9908.1	10528.6
65°	8572.3	8641.0	8921.1	8962.9	9071.2	9633.6	9922.7	10222.9	10303.8	10670.4	10514.7
67.5°	7982.0	8007.6	8245.4	8985.2	8779.9	9046.6	9077.9	9299.9	9984.0	10940.4	10092.3
70°	7132.2	7146.1	7353.7	8238.1	7545.1	7603.7	7557.4	7602.6	8583.5	10282.6	9026.0
72.5°	5740.0	5775.1	6070.3	6841.5	5496.7	5327.6	5691.5	5671.4	6610.5	8687.3	6703.6
75°	4226.2	4287.0	4732.8	5510.7	3857.9	3489.6	3755.2	3826.1	4699.4	6719.8	4192.1
77.5°	2959.0	3004.2	3436.1	4051.0	2792.2	2495.3	2399.3	2483.6	3101.8	4861.2	2112.0
80°	1704.6	1721.4	1997.0	2339.1	1881.5	2152.7	1950.2	2008.2	1858.6	2162.8	908.4
82.5°	1115.4	1118.2	1225.9	1392.2	1171.8	1361.5	1007.7	1288.4	1143.3	868.8	295.7
85°	602.6	606.0	710.9	988.2	663.4	375.0	220.4	452.5	707.0	199.2	80.9
87.5°	66.4	60.8	214.3	359.3	184.1	34.0	11.7	50.8	113.3	12.8	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°	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7
2.5°	4225.6	4179.3	4063.8	3941.6	3843.4	3751.3	3658.7	3545.4	3457.8	3440.0	3411.0
5°	4135.2	3988.5	3746.3	3503.0	3307.2	3060.0	2903.2	2781.0	2661.6	2654.3	2630.3
7.5°	3819.4	3626.3	3285.4	2949.0	2673.3	2437.8	2200.1	2041.1	1916.1	1872.0	1845.8
10°	3515.9	3298.8	2873.1	2489.2	2243.1	2035.0	1867.6	1701.3	1550.6	1446.9	1400.0
12.5°	3303.8	3063.9	2594.6	2263.7	2087.4	1889.9	1685.7	1478.1	1304.6	1179.6	1103.1
15°	3221.8	2965.7	2501.4	2174.5	1956.9	1706.9	1445.7	1208.6	1016.1	902.8	834.2
17.5°	3319.5	3021.5	2494.2	2065.7	1761.6	1450.8	1162.3	882.2	700.8	614.9	570.8
20°	3567.2	3198.9	2491.4	1932.3	1529.4	1147.2	787.3	580.3	470.4	422.4	401.7
22.5°	3917.6	3425.5	2513.7	1800.6	1287.8	819.7	543.5	426.3	369.9	344.3	332.6
25°	4368.5	3743.5	2576.8	1681.2	1060.7	611.6	423.5	357.1	317.5	297.4	289.0
27.5°	4848.9	4109.6	2675.0	1577.4	876.0	487.7	362.7	305.8	277.3	263.4	255.6
30°	5245.1	4533.6	2774.3	1461.9	742.1	425.2	332.0	279.0	246.1	237.1	229.9
32.5°	5591.6	4854.5	2844.6	1357.6	654.5	377.8	300.2	249.4	227.1	209.8	202.0
35°	5950.4	5121.7	2842.4	1284.5	594.3	342.0	273.4	223.2	196.4	176.3	170.2
37.5°	6338.7	5423.6	2793.8	1222.0	568.0	313.6	258.3	209.2	182.5	162.4	154.6
40°	6793.5	5740.6	2744.2	1163.4	560.8	290.7	247.7	198.1	169.6	150.1	142.3
42.5°	7236.5	6026.2	2700.6	1119.9	529.5	290.2	238.3	189.7	159.6	140.6	131.7
45°	7590.8	6292.4	2692.3	1093.7	496.6	300.2	233.2	184.1	151.8	132.8	124.4
47.5°	7885.5	6581.4	2745.8	1075.2	465.4	274.0	245.5	180.2	144.5	126.1	116.6
50°	8235.9	6936.3	2872.0	1045.1	432.4	246.6	281.2	181.3	138.4	119.4	109.4
52.5°	8724.7	7427.3	3057.2	994.3	387.2	221.5	276.8	182.5	131.7	112.2	102.1
55°	9272.6	8040.6	3256.4	910.1	324.2	188.6	237.1	174.6	118.9	104.3	94.9
57.5°	9848.4	8596.9	3374.7	809.6	257.8	162.9	189.7	159.0	104.9	93.7	87.6
60°	9938.8	8808.4	3320.6	686.3	204.8	141.7	140.6	161.8	93.7	82.6	78.1
62.5°	9714.0	8542.8	3058.9	576.4	171.3	124.4	115.5	141.2	84.8	73.7	69.2
65°	9281.5	7824.6	2634.8	519.5	159.0	106.6	96.0	99.3	74.2	64.2	60.3
67.5°	8680.0	6866.0	2163.3	487.1	157.4	91.5	82.0	75.3	64.2	55.8	52.5
70°	7450.2	5719.9	1725.8	469.3	152.9	77.0	69.2	61.4	53.6	47.4	44.6
72.5°	5483.3	4053.2	1342.5	449.7	154.0	61.4	60.3	50.8	43.0	36.8	35.7
75°	3168.2	2315.6	880.5	364.4	146.8	47.4	50.2	35.7	30.1	25.7	25.7
77.5°	1688.5	1412.3	335.3	151.8	53.6	30.1	28.5	21.2	19.0	15.6	15.1
80°	736.0	621.6	101.0	42.4	29.6	16.2	10.6	9.5	8.4	6.7	6.1
82.5°	260.6	224.9	32.9	20.6	12.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	59.1	42.4	0.0	5.0	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°	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7
2.5°	3351.8	3339.5	3267.0	3269.8	3282.6	3301.0	3257.5	3277.6	3331.7	3383.6	3403.2
5°	2591.8	2594.6	2550.6	2577.9	2602.4	2619.2	2548.9	2550.0	2593.0	2651.5	2682.2
7.5°	1826.3	1821.8	1824.1	1889.3	1935.7	1902.2	1928.4	1837.4	1843.0	1884.9	1853.6
10°	1357.6	1296.2	1261.6	1310.7	1361.5	1343.1	1297.9	1268.3	1288.9	1335.3	1331.9
12.5°	1066.9	978.7	926.8	891.7	933.5	898.9	897.8	872.1	844.2	849.3	923.5
15°	802.4	738.2	676.8	620.5	619.4	607.6	547.9	481.0	475.4	478.8	517.3
17.5°	551.8	530.1	505.0	456.4	443.6	394.5	336.5	309.7	296.3	302.4	315.3
20°	387.8	379.4	382.2	356.0	337.6	290.7	256.7	246.1	243.8	250.0	256.1
22.5°	321.4	306.3	304.7	292.9	274.5	240.5	222.1	215.9	213.2	218.7	223.2
25°	281.2	266.2	260.0	252.8	233.2	209.8	198.6	193.1	190.3	193.6	196.4
27.5°	247.7	233.8	228.2	223.2	204.2	187.5	178.6	173.5	171.3	172.4	175.2
30°	222.6	210.4	203.1	197.0	180.8	169.1	161.3	156.2	154.0	154.0	156.8
32.5°	196.4	189.7	183.0	175.2	160.1	152.3	144.5	138.9	136.7	137.3	139.5
35°	163.5	161.3	162.9	155.7	142.8	136.1	128.3	122.2	120.5	121.1	123.3
37.5°	145.1	135.0	141.2	137.3	130.0	121.1	111.0	105.5	102.7	104.3	105.5
40°	133.4	121.1	116.6	120.5	119.4	104.9	96.0	90.4	88.2	88.7	89.8
42.5°	123.3	108.8	98.8	98.2	104.9	91.5	82.0	77.0	74.2	74.2	75.3
45°	113.8	98.2	85.9	76.4	88.2	77.6	68.6	64.2	60.8	60.8	61.4
47.5°	106.6	89.3	74.8	62.5	66.4	63.6	56.4	51.9	48.5	48.5	49.1
50°	99.9	80.3	64.7	52.5	49.7	52.5	45.8	40.7	38.5	37.9	39.1
52.5°	92.6	71.4	55.2	44.6	39.1	39.6	35.7	32.4	29.6	29.6	30.7
55°	85.4	64.2	48.0	37.9	32.4	29.6	28.5	26.2	24.0	24.0	25.1
57.5°	78.1	56.4	40.7	31.2	25.7	23.4	23.4	21.8	20.1	20.1	21.2
60°	71.4	48.5	33.5	25.7	20.1	19.5	20.1	18.4	17.3	17.3	18.4
62.5°	63.6	41.3	27.3	21.2	16.2	15.6	17.3	16.2	15.1	15.1	16.2
65°	54.1	35.2	21.8	16.2	12.3	12.3	14.5	13.4	12.3	12.3	13.4
67.5°	45.8	29.6	16.7	11.7	8.9	9.5	12.3	11.2	10.6	10.6	11.7
70°	37.9	22.9	11.7	7.3	5.0	7.3	9.5	9.5	9.5	9.5	10.6
72.5°	28.5	15.6	6.7	2.8	2.2	5.0	7.8	8.9	8.4	8.4	10.0
75°	18.4	8.9	2.2	0.0	0.0	2.8	6.1	7.3	7.3	6.7	8.4
77.5°	10.6	2.8	0.0	0.0	0.0	0.0	3.9	3.3	2.8	2.2	3.9
80°	2.8	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



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 CATALOG NUMBER: GAN-SA3B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7	3951.7
2.5°	3481.8	3547.7	3640.3	3738.5	3889.7	4009.7	4127.4	4228.4	4267.5	4283.7
5°	2755.9	2852.4	2988.0	3162.1	3435.0	3680.5	3929.3	4179.9	4288.7	4316.0
7.5°	1977.5	2100.8	2273.2	2491.4	2811.1	3129.2	3476.8	3844.5	4013.0	4055.4
10°	1463.6	1614.3	1811.8	2041.7	2346.9	2673.9	3052.7	3472.9	3665.4	3721.8
12.5°	1038.4	1242.1	1506.6	1786.1	2050.6	2342.4	2725.8	3188.9	3390.9	3451.7
15°	609.9	806.8	1119.9	1494.3	1833.0	2128.7	2518.2	3043.3	3265.9	3327.3
17.5°	349.9	448.1	684.6	1102.0	1561.8	1971.4	2452.9	3079.5	3341.8	3398.7
20°	267.3	298.5	394.5	709.8	1244.9	1816.8	2452.9	3284.9	3607.9	3691.6
22.5°	233.8	256.7	295.7	423.5	916.2	1651.1	2481.4	3581.7	4004.1	4096.7
25°	207.6	228.2	261.7	318.6	624.9	1454.1	2548.9	3946.1	4470.6	4590.5
27.5°	185.8	205.3	235.5	279.0	427.4	1216.4	2639.8	4373.5	4985.0	5081.0
30°	166.3	184.7	212.0	242.7	329.8	946.9	2717.4	4776.4	5389.0	5492.3
32.5°	147.9	164.6	189.2	212.0	270.1	700.3	2725.8	5095.5	5724.4	5827.0
35°	130.6	145.6	168.0	185.8	223.8	553.0	2595.7	5372.3	6059.7	6195.3
37.5°	113.8	128.3	147.9	161.3	197.0	450.9	2397.1	5680.8	6489.9	6615.5
40°	98.2	111.0	131.1	140.1	186.4	346.5	2181.2	6004.5	6911.8	7026.7
42.5°	83.7	96.0	115.5	132.8	163.5	258.9	1947.9	6308.0	7291.2	7411.7
45°	69.7	82.6	102.1	140.6	135.6	193.6	1698.5	6509.5	7590.8	7722.0
47.5°	56.4	70.9	97.6	133.9	108.2	142.3	1501.0	6700.3	7817.9	7947.4
50°	45.2	59.7	109.9	119.4	88.7	108.8	1418.4	6871.0	7966.9	8091.3
52.5°	36.8	50.2	103.8	91.5	74.2	89.8	1463.0	7147.8	8104.7	8182.9
55°	30.7	39.6	62.5	63.6	63.1	76.4	1518.3	7545.1	8461.3	8498.1
57.5°	26.8	31.8	43.5	49.1	53.0	68.1	1519.4	8115.3	9013.1	9036.0
60°	22.9	27.9	36.3	39.6	45.8	60.8	1464.2	8314.5	9230.2	9306.1
62.5°	20.1	24.6	30.1	32.9	38.5	54.7	1334.7	8026.1	8932.2	9061.1
65°	17.9	22.3	25.1	27.9	34.0	49.1	1121.6	7449.1	8437.9	8572.3
67.5°	15.6	19.5	22.3	25.1	30.7	43.5	825.8	6779.0	7870.4	7982.0
70°	13.9	17.3	20.1	22.3	26.8	36.8	501.1	5752.3	7085.9	7132.2
72.5°	13.4	15.6	18.4	20.1	23.4	32.4	253.9	4227.3	5664.7	5740.0
75°	11.7	13.9	16.7	17.9	20.6	27.9	103.2	2776.5	4105.1	4226.2
77.5°	9.5	12.8	15.1	16.2	17.9	22.9	52.5	1774.4	2880.9	2959.0
80°	3.3	9.5	12.8	13.4	15.1	16.7	34.6	971.5	1671.2	1704.6
82.5°	0.0	6.1	10.0	9.5	10.6	12.8	22.3	462.0	1103.1	1115.4
85°	0.0	2.8	7.8	6.1	4.5	8.9	7.8	101.0	578.6	602.6
87.5°	0.0	0.0	0.6	2.8	2.2	3.3	1.1	0.6	52.5	66.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)