

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: P324248

Luminaire Tested: **GAN-SA4C-760-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324248
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-SA4C-760-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 1050mA 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: 21152 lumens
Efficiency: N/A
Efficacy: 94.0 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): 225
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

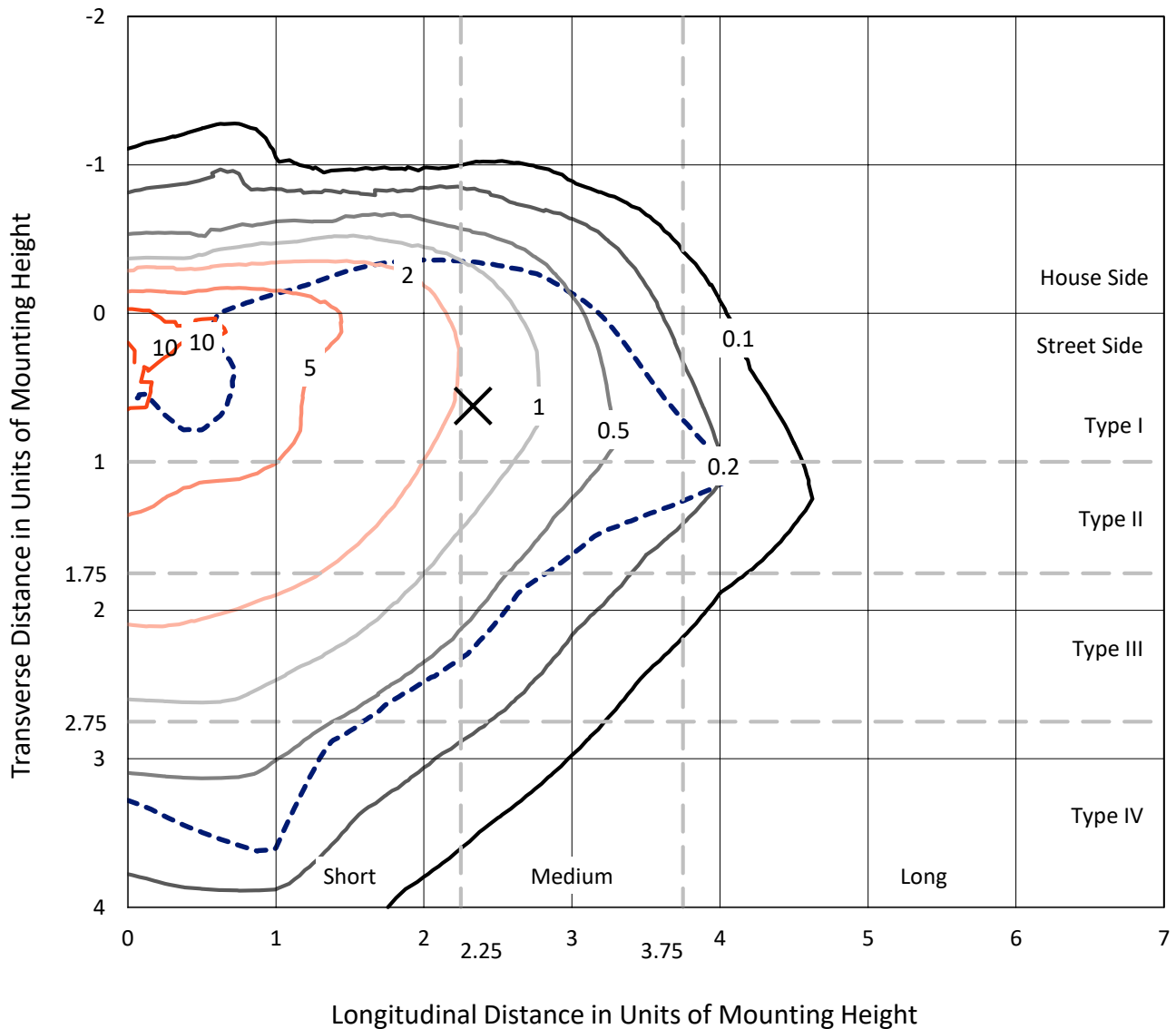


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Iso-Footcandle Lines of Horizontal Illumination

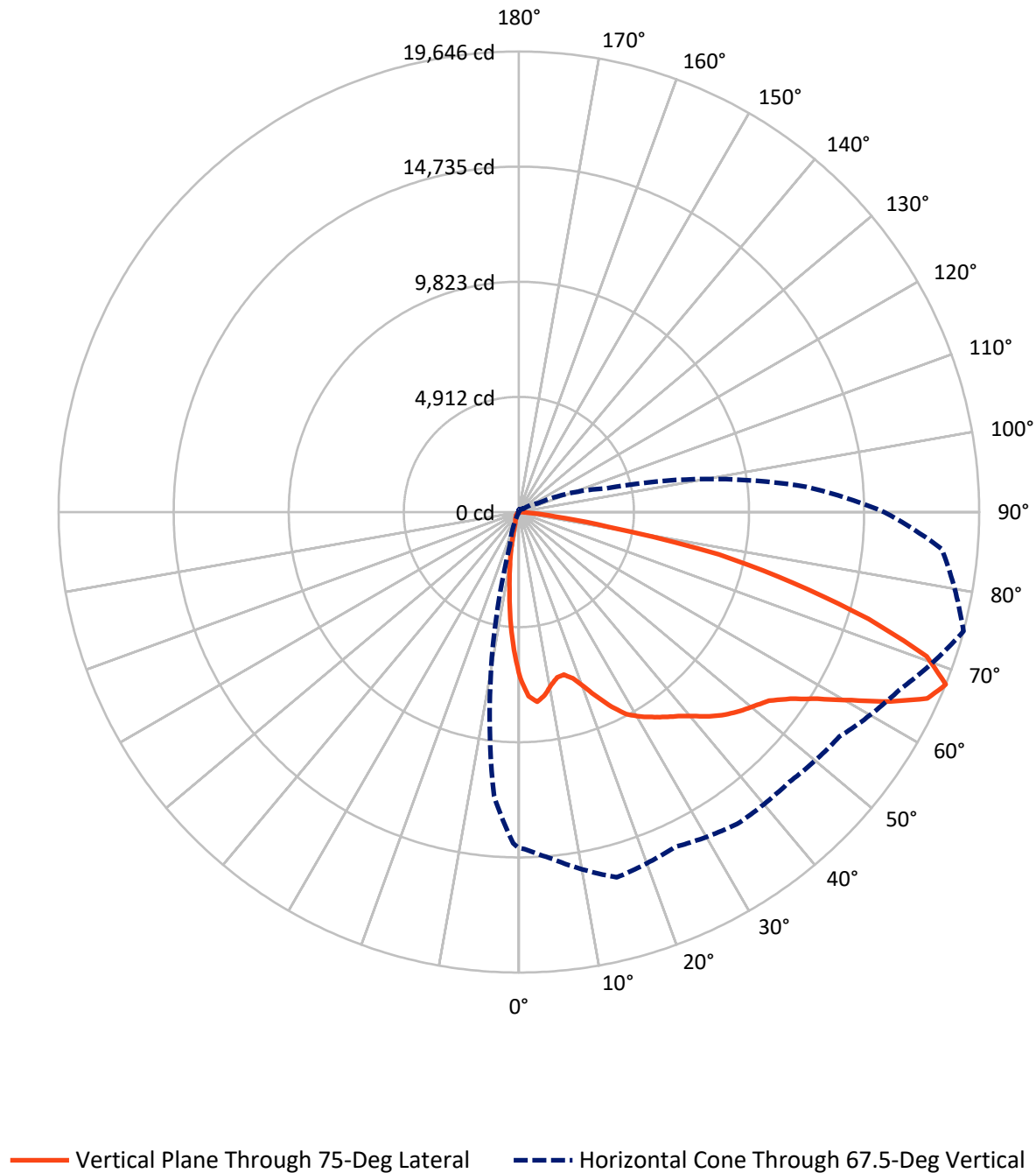
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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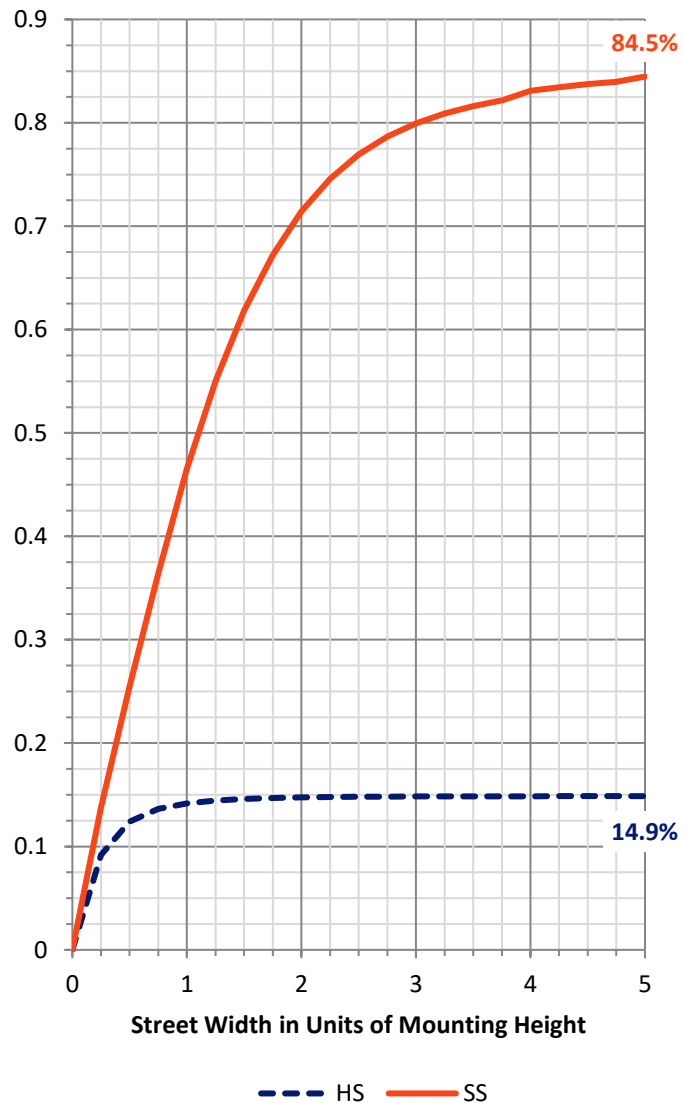
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3174.1	0.0	3174.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	17977.9	0.0	17977.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	21152.0	0.0	21152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.3	2.5
10°-20°	1059.9	5.0
20°-30°	1499.4	7.1
30°-40°	2204.6	10.4
40°-50°	3168.7	15.0
50°-60°	4460.7	21.1
60°-70°	5209.7	24.6
70°-80°	2657.8	12.6
80°-90°	353.1	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°	21152.0	100.0
0°-180°	21152.0	100.0

Coefficient of Utilization



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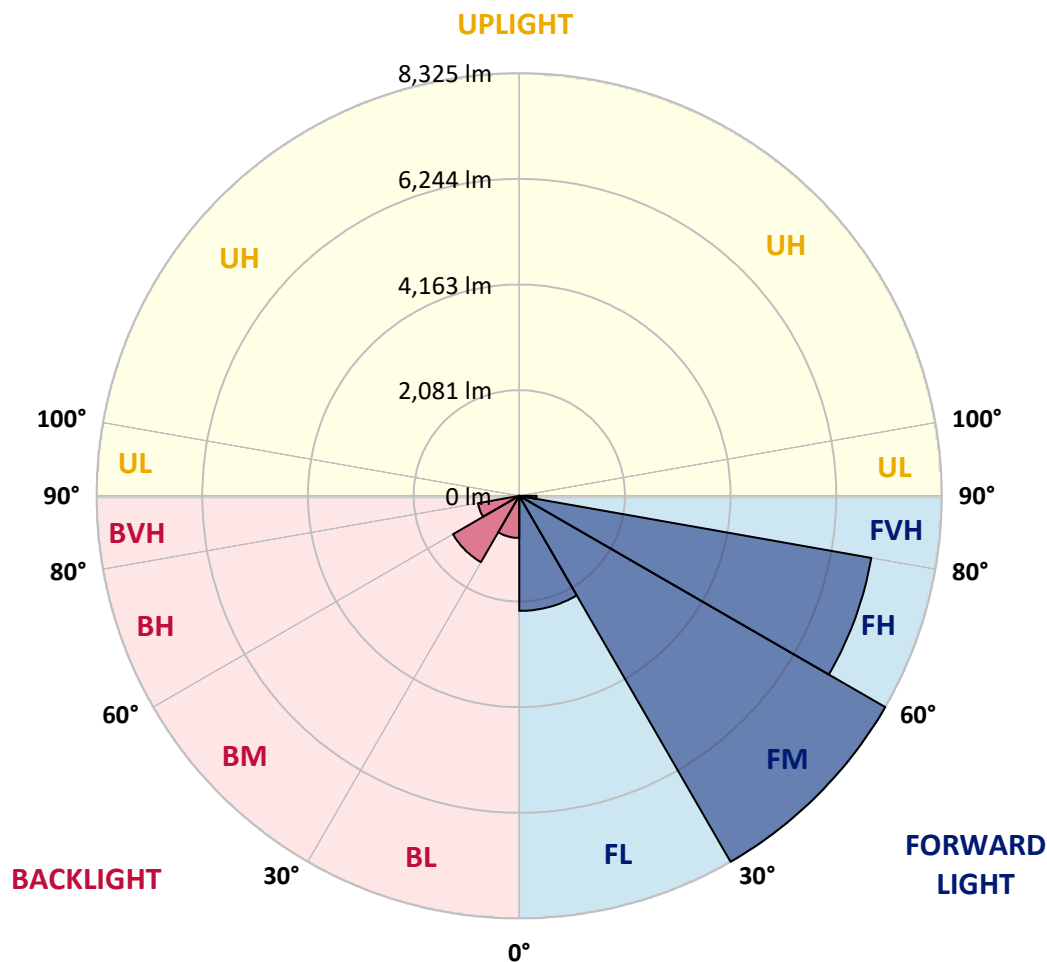
CATALOG NUMBER: GAN-SA4C-760-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2267.5	10.7			
FM	(30°-60°)	8325.1	39.4			
FH	(60°-80°)	7043.0	33.3			G3/7500
FVH	(80°-90°)	342.4	1.6			G3/500
BL	(0°-30°)	830.1	3.9	B2/1000		
BM	(30°-60°)	1508.9	7.1	B2/2500		
BH	(60°-80°)	824.5	3.9	B2/1000		G2/1000
BVH	(80°-90°)	10.7	0.1			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1
2.5°	7692.3	7704.3	7766.5	7910.8	8068.1	8080.1	8186.3	8077.1	8040.0	7863.7	7681.3
5°	7750.4	7796.5	8010.0	8433.8	8801.5	8919.8	9003.9	8789.5	8564.1	8133.2	7673.3
7.5°	7282.5	7359.7	7695.3	8490.9	9148.2	9438.8	9493.9	9158.2	8606.1	7896.7	7205.4
10°	6683.3	6771.5	7176.3	8154.2	9057.0	9555.0	9631.2	9191.3	8397.7	7514.0	6699.3
12.5°	6198.3	6301.6	6715.4	7775.5	8743.4	9294.5	9444.8	9080.1	8217.4	7242.4	6353.7
15°	5974.9	6093.1	6528.0	7531.0	8395.7	8829.6	8953.8	8796.5	8117.2	7199.3	6273.5
17.5°	6103.2	6231.4	6680.3	7552.0	8069.1	8254.4	8354.6	8418.8	8117.2	7458.9	6508.0
20°	6629.2	6767.5	7242.4	7765.5	7798.5	7729.4	7836.6	8062.1	8211.4	7951.8	7071.1
22.5°	7356.7	7519.0	8055.0	8131.2	7666.3	7404.7	7418.8	7772.5	8382.7	8577.1	7852.6
25°	8243.4	8441.8	8986.9	8676.3	7721.4	7211.4	7206.4	7534.0	8550.0	9203.3	8723.4
27.5°	9124.2	9342.6	9821.6	9341.6	7948.8	7176.3	7166.3	7461.9	8713.4	9760.4	9674.3
30°	9862.6	10075.1	10487.9	9823.6	8194.3	7258.5	7210.4	7539.0	8810.5	10122.2	10367.7
32.5°	10463.8	10634.2	10967.8	10155.2	8456.8	7417.8	7313.6	7745.4	8975.9	10427.8	11004.9
35°	11125.2	11304.5	11437.8	10470.9	8751.4	7647.2	7497.9	8073.1	9230.4	10738.4	11703.3
37.5°	11879.7	12058.0	12042.0	10759.4	9125.2	8027.0	7931.8	8592.1	9626.2	11046.0	12482.9
40°	12618.1	12800.5	12670.2	11075.1	9564.0	8653.2	8583.1	9371.7	10156.2	11439.8	13396.7
42.5°	13309.5	13506.9	13228.3	11373.7	10087.1	9442.8	9563.0	10375.7	10819.6	11924.8	14184.3
45°	13866.6	14068.0	13696.3	11664.2	10638.2	10400.7	10762.4	11487.9	11617.1	12334.6	14716.3
47.5°	14271.4	14461.8	14020.9	11954.8	11343.6	11572.0	12202.3	12654.2	12337.6	12690.3	15094.1
50°	14529.9	14678.2	14116.1	12318.5	12269.4	12938.8	13702.3	13922.7	13015.9	13010.9	15553.0
52.5°	14694.3	14761.4	14186.3	12698.3	13235.4	14426.7	15171.2	15240.4	13714.3	13363.6	16171.2
55°	15260.4	15314.5	14683.2	13158.2	14034.0	15730.3	16499.9	16435.7	14504.9	14054.0	16900.7
57.5°	16226.3	16283.4	15710.3	13819.5	14680.2	16535.9	17462.8	17578.0	15431.7	15023.9	17682.2
60°	16711.3	16817.5	16613.1	14657.2	15306.5	17051.0	18119.1	18486.8	16590.0	16302.5	18439.7
62.5°	16271.4	16425.7	16722.3	15586.0	15928.7	17334.5	18323.5	18812.5	17776.4	17792.4	18906.7
65°	15393.7	15516.9	16019.9	16095.1	16289.4	17299.5	17818.5	18357.6	18502.9	19161.2	18881.6
67.5°	14333.5	14379.6	14806.5	16135.1	15766.4	16245.4	16301.5	16700.3	17928.7	19646.1	18123.1
70°	12807.5	12832.6	13205.3	14793.5	13549.0	13654.2	13571.0	13652.2	15413.7	18464.8	16208.3
72.5°	10307.5	10370.7	10900.7	12285.5	9870.7	9567.1	10220.4	10184.3	11870.6	15600.1	12038.0
75°	7589.1	7698.3	8498.9	9895.7	6927.8	6266.5	6743.4	6870.7	8438.8	12067.0	7528.0
77.5°	5313.6	5394.7	6170.3	7274.5	5014.0	4480.9	4308.6	4459.9	5570.1	8729.4	3792.6
80°	3061.1	3091.2	3586.1	4200.4	3378.7	3865.7	3502.0	3606.2	3337.6	3883.7	1631.2
82.5°	2003.0	2008.0	2201.4	2500.0	2104.2	2444.9	1809.6	2313.6	2053.1	1560.1	531.1
85°	1082.2	1088.2	1276.5	1774.5	1191.4	673.3	395.8	812.6	1269.5	357.7	145.3
87.5°	119.2	109.2	384.8	645.3	330.7	61.1	21.0	91.2	203.4	23.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1
2.5°	7588.1	7504.9	7297.5	7078.1	6901.7	6736.4	6570.1	6366.7	6209.4	6177.3	6125.2
5°	7425.8	7162.3	6727.4	6290.5	5938.8	5494.9	5213.4	4993.9	4779.5	4766.5	4723.4
7.5°	6858.7	6512.0	5899.8	5295.5	4800.6	4377.7	3950.9	3665.3	3440.9	3361.7	3314.6
10°	6313.6	5923.8	5159.3	4469.9	4028.0	3654.3	3353.7	3055.1	2784.5	2598.2	2514.0
12.5°	5932.8	5502.0	4659.3	4065.1	3748.5	3393.8	3027.0	2654.3	2342.7	2118.2	1980.9
15°	5785.5	5325.6	4491.9	3904.8	3514.0	3065.1	2596.2	2170.3	1824.6	1621.2	1498.0
17.5°	5960.9	5425.8	4478.9	3709.4	3163.3	2605.2	2087.2	1584.2	1258.5	1104.2	1025.0
20°	6405.8	5744.4	4473.9	3469.9	2746.5	2060.1	1413.8	1042.1	844.7	758.5	721.4
22.5°	7035.0	6151.3	4514.0	3233.4	2312.6	1471.9	975.9	765.5	664.3	618.2	597.2
25°	7844.6	6722.4	4627.2	3019.0	1904.8	1098.2	760.5	641.3	570.1	534.1	519.0
27.5°	8707.3	7379.7	4803.6	2832.6	1573.1	875.7	651.3	549.1	498.0	472.9	458.9
30°	9418.8	8141.2	4981.9	2625.2	1332.7	763.5	596.2	501.0	441.9	425.8	412.8
32.5°	10041.0	8717.4	5108.2	2437.9	1175.3	678.4	539.1	447.9	407.8	376.8	362.7
35°	10685.3	9197.3	5104.2	2306.6	1067.1	614.2	491.0	400.8	352.7	316.6	305.6
37.5°	11382.7	9739.4	5017.0	2194.4	1020.0	563.1	463.9	375.7	327.7	291.6	277.6
40°	12199.3	10308.5	4927.8	2089.2	1007.0	522.0	444.9	355.7	304.6	269.5	255.5
42.5°	12994.9	10821.6	4849.7	2011.0	950.9	521.0	427.9	340.7	286.6	252.5	236.5
45°	13631.2	11299.5	4834.6	1963.9	891.8	539.1	418.8	330.7	272.5	238.5	223.4
47.5°	14160.2	11818.5	4930.8	1930.8	835.7	492.0	440.9	323.6	259.5	226.5	209.4
50°	14789.5	12455.8	5157.3	1876.7	776.5	442.9	505.0	325.6	248.5	214.4	196.4
52.5°	15667.2	13337.6	5489.9	1785.6	695.4	397.8	497.0	327.7	236.5	201.4	183.4
55°	16651.2	14438.8	5847.6	1634.3	582.2	338.7	425.8	313.6	213.4	187.4	170.3
57.5°	17685.2	15437.7	6060.1	1453.9	462.9	292.6	340.7	285.6	188.4	168.3	157.3
60°	17847.5	15817.5	5962.9	1232.5	367.7	254.5	252.5	290.6	168.3	148.3	140.3
62.5°	17443.7	15340.6	5492.9	1035.1	307.6	223.4	207.4	253.5	152.3	132.3	124.2
65°	16667.2	14051.0	4731.4	932.9	285.6	191.4	172.3	178.4	133.3	115.2	108.2
67.5°	15587.0	12329.6	3884.7	874.7	282.6	164.3	147.3	135.3	115.2	100.2	94.2
70°	13378.6	10271.5	3099.2	842.7	274.5	138.3	124.2	110.2	96.2	85.2	80.2
72.5°	9846.6	7278.5	2410.8	807.6	276.6	110.2	108.2	91.2	77.2	66.1	64.1
75°	5689.3	4158.3	1581.1	654.3	263.5	85.2	90.2	64.1	54.1	46.1	46.1
77.5°	3032.0	2536.1	602.2	272.5	96.2	54.1	51.1	38.1	34.1	28.1	27.1
80°	1321.6	1116.2	181.4	76.2	53.1	29.1	19.0	17.0	15.0	12.0	11.0
82.5°	467.9	403.8	59.1	37.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	106.2	76.2	0.0	9.0	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°	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1
2.5°	6019.0	5996.9	5866.7	5871.7	5894.7	5927.8	5849.7	5885.7	5982.9	6076.1	6111.2
5°	4654.3	4659.3	4580.1	4629.2	4673.3	4703.4	4577.1	4579.1	4656.3	4761.5	4816.6
7.5°	3279.5	3271.5	3275.5	3392.8	3475.9	3415.8	3462.9	3299.6	3309.6	3384.7	3328.6
10°	2437.9	2327.6	2265.5	2353.7	2444.9	2411.8	2330.6	2277.5	2314.6	2397.8	2391.8
12.5°	1915.8	1757.5	1664.3	1601.2	1676.3	1614.2	1612.2	1566.1	1516.0	1525.0	1658.3
15°	1440.9	1325.6	1215.4	1114.2	1112.2	1091.2	984.0	863.7	853.7	859.7	928.9
17.5°	991.0	951.9	906.8	819.6	796.6	708.4	604.2	556.1	532.1	543.1	566.1
20°	696.4	681.4	686.4	639.3	606.2	522.0	460.9	441.9	437.9	448.9	459.9
22.5°	577.1	550.1	547.1	526.0	493.0	431.9	398.8	387.8	382.8	392.8	400.8
25°	505.0	478.0	466.9	453.9	418.8	376.8	356.7	346.7	341.7	347.7	352.7
27.5°	444.9	419.8	409.8	400.8	366.7	336.7	320.6	311.6	307.6	309.6	314.6
30°	399.8	377.8	364.7	353.7	324.6	303.6	289.6	280.6	276.6	276.6	281.6
32.5°	352.7	340.7	328.7	314.6	287.6	273.5	259.5	249.5	245.5	246.5	250.5
35°	293.6	289.6	292.6	279.6	256.5	244.5	230.5	219.4	216.4	217.4	221.4
37.5°	260.5	242.5	253.5	246.5	233.5	217.4	199.4	189.4	184.4	187.4	189.4
40°	239.5	217.4	209.4	216.4	214.4	188.4	172.3	162.3	158.3	159.3	161.3
42.5°	221.4	195.4	177.4	176.4	188.4	164.3	147.3	138.3	133.3	133.3	135.3
45°	204.4	176.4	154.3	137.3	158.3	139.3	123.2	115.2	109.2	109.2	110.2
47.5°	191.4	160.3	134.3	112.2	119.2	114.2	101.2	93.2	87.2	87.2	88.2
50°	179.4	144.3	116.2	94.2	89.2	94.2	82.2	73.1	69.1	68.1	70.1
52.5°	166.3	128.3	99.2	80.2	70.1	71.1	64.1	58.1	53.1	53.1	55.1
55°	153.3	115.2	86.2	68.1	58.1	53.1	51.1	47.1	43.1	43.1	45.1
57.5°	140.3	101.2	73.1	56.1	46.1	42.1	42.1	39.1	36.1	36.1	38.1
60°	128.3	87.2	60.1	46.1	36.1	35.1	36.1	33.1	31.1	31.1	33.1
62.5°	114.2	74.1	49.1	38.1	29.1	28.1	31.1	29.1	27.1	27.1	29.1
65°	97.2	63.1	39.1	29.1	22.0	22.0	26.1	24.0	22.0	22.0	24.0
67.5°	82.2	53.1	30.1	21.0	16.0	17.0	22.0	20.0	19.0	19.0	21.0
70°	68.1	41.1	21.0	13.0	9.0	13.0	17.0	17.0	17.0	17.0	19.0
72.5°	51.1	28.1	12.0	5.0	4.0	9.0	14.0	16.0	15.0	15.0	18.0
75°	33.1	16.0	4.0	0.0	0.0	5.0	11.0	13.0	13.0	12.0	15.0
77.5°	19.0	5.0	0.0	0.0	0.0	0.0	7.0	6.0	5.0	4.0	7.0
80°	5.0	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

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CATALOG NUMBER: GAN-SA4C-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1	7096.1
2.5°	6252.5	6370.7	6537.0	6713.4	6984.9	7200.3	7411.8	7593.1	7663.3	7692.3
5°	4948.9	5122.2	5365.7	5678.3	6168.3	6609.2	7056.1	7506.0	7701.3	7750.4
7.5°	3551.1	3772.5	4082.1	4473.9	5048.1	5619.2	6243.4	6903.8	7206.4	7282.5
10°	2628.2	2898.8	3253.5	3666.3	4214.4	4801.6	5481.9	6236.4	6582.1	6683.3
12.5°	1864.7	2230.4	2705.4	3207.4	3682.3	4206.4	4894.7	5726.4	6089.1	6198.3
15°	1095.2	1448.9	2011.0	2683.3	3291.6	3822.6	4522.0	5464.9	5864.7	5974.9
17.5°	628.3	804.6	1229.4	1978.9	2804.6	3540.1	4404.8	5530.0	6001.0	6103.2
20°	480.0	536.1	708.4	1274.5	2235.5	3262.5	4404.8	5898.7	6478.9	6629.2
22.5°	419.8	460.9	531.1	760.5	1645.3	2964.9	4455.9	6431.8	7190.3	7356.7
25°	372.7	409.8	469.9	572.1	1122.2	2611.2	4577.1	7086.1	8028.0	8243.4
27.5°	333.7	368.7	422.8	501.0	767.5	2184.4	4740.4	7853.6	8951.8	9124.2
30°	298.6	331.7	380.8	435.9	592.2	1700.4	4879.7	8577.1	9677.3	9862.6
32.5°	265.5	295.6	339.7	380.8	485.0	1257.5	4894.7	9150.2	10279.5	10463.8
35°	234.5	261.5	301.6	333.7	401.8	993.0	4661.3	9647.2	10881.7	11125.2
37.5°	204.4	230.5	265.5	289.6	353.7	809.6	4304.6	10201.3	11654.2	11879.7
40°	176.4	199.4	235.5	251.5	334.7	622.2	3916.8	10782.5	12411.7	12618.1
42.5°	150.3	172.3	207.4	238.5	293.6	464.9	3498.0	11327.6	13093.1	13309.5
45°	125.2	148.3	183.4	252.5	243.5	347.7	3050.1	11689.3	13631.2	13866.6
47.5°	101.2	127.3	175.3	240.5	194.4	255.5	2695.4	12032.0	14039.0	14271.4
50°	81.2	107.2	197.4	214.4	159.3	195.4	2547.1	12338.6	14306.5	14529.9
52.5°	66.1	90.2	186.4	164.3	133.3	161.3	2627.2	12835.6	14554.0	14694.3
55°	55.1	71.1	112.2	114.2	113.2	137.3	2726.4	13549.0	15194.3	15260.4
57.5°	48.1	57.1	78.2	88.2	95.2	122.2	2728.4	14573.0	16185.2	16226.3
60°	41.1	50.1	65.1	71.1	82.2	109.2	2629.2	14930.7	16575.0	16711.3
62.5°	36.1	44.1	54.1	59.1	69.1	98.2	2396.8	14412.7	16039.9	16271.4
65°	32.1	40.1	45.1	50.1	61.1	88.2	2014.0	13376.6	15152.2	15393.7
67.5°	28.1	35.1	40.1	45.1	55.1	78.2	1483.0	12173.2	14133.2	14333.5
70°	25.0	31.1	36.1	40.1	48.1	66.1	899.8	10329.6	12724.3	12807.5
72.5°	24.0	28.1	33.1	36.1	42.1	58.1	455.9	7591.1	10172.3	10307.5
75°	21.0	25.0	30.1	32.1	37.1	50.1	185.4	4985.9	7371.7	7589.1
77.5°	17.0	23.0	27.1	29.1	32.1	41.1	94.2	3186.3	5173.3	5313.6
80°	6.0	17.0	23.0	24.0	27.1	30.1	62.1	1744.5	3001.0	3061.1
82.5°	0.0	11.0	18.0	17.0	19.0	23.0	40.1	829.7	1980.9	2003.0
85°	0.0	5.0	14.0	11.0	8.0	16.0	14.0	181.4	1039.1	1082.2
87.5°	0.0	0.0	1.0	5.0	4.0	6.0	2.0	1.0	94.2	119.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)