

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: P324566

Luminaire Tested: **GAN-SA2C-760-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10728 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

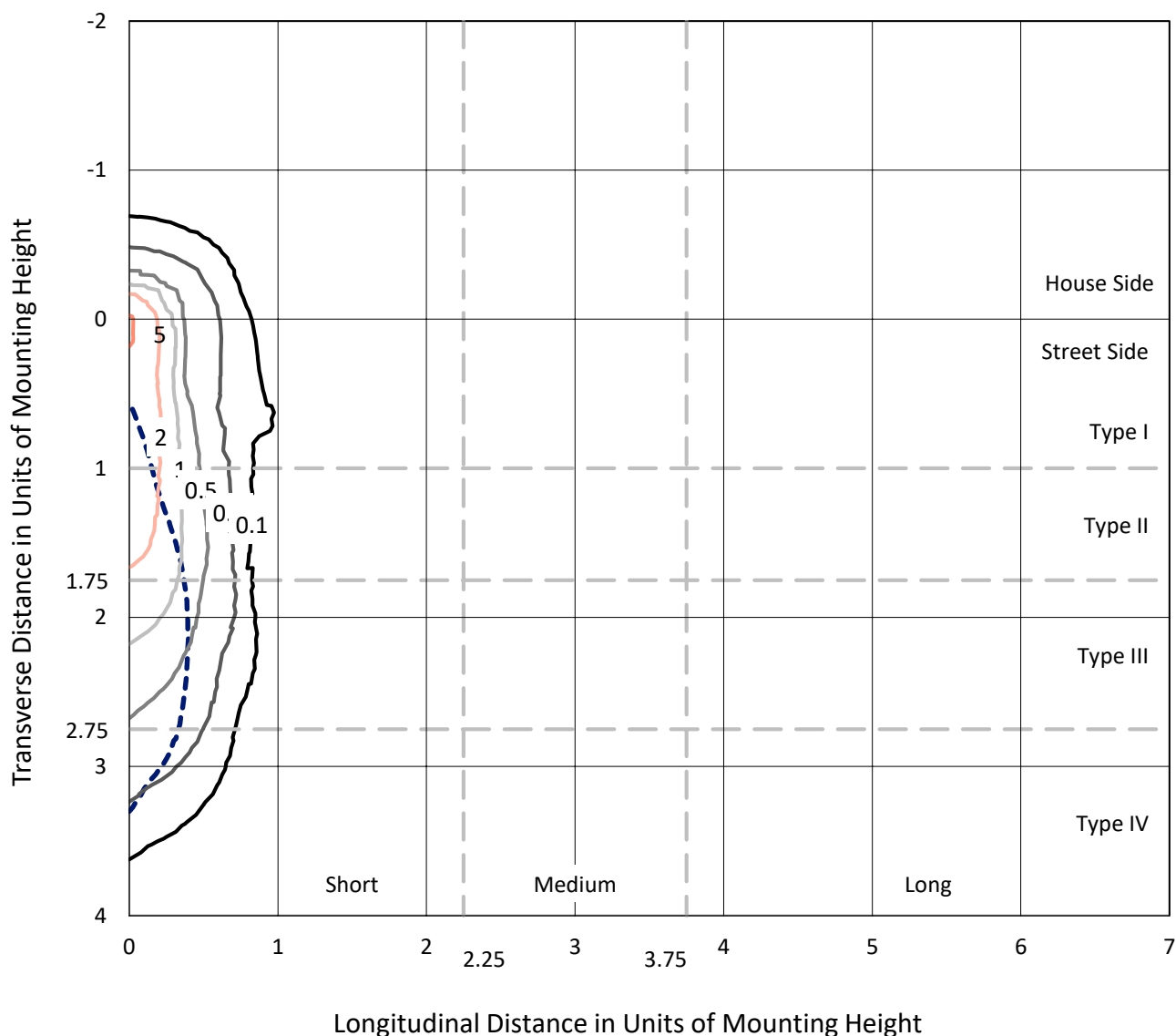
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

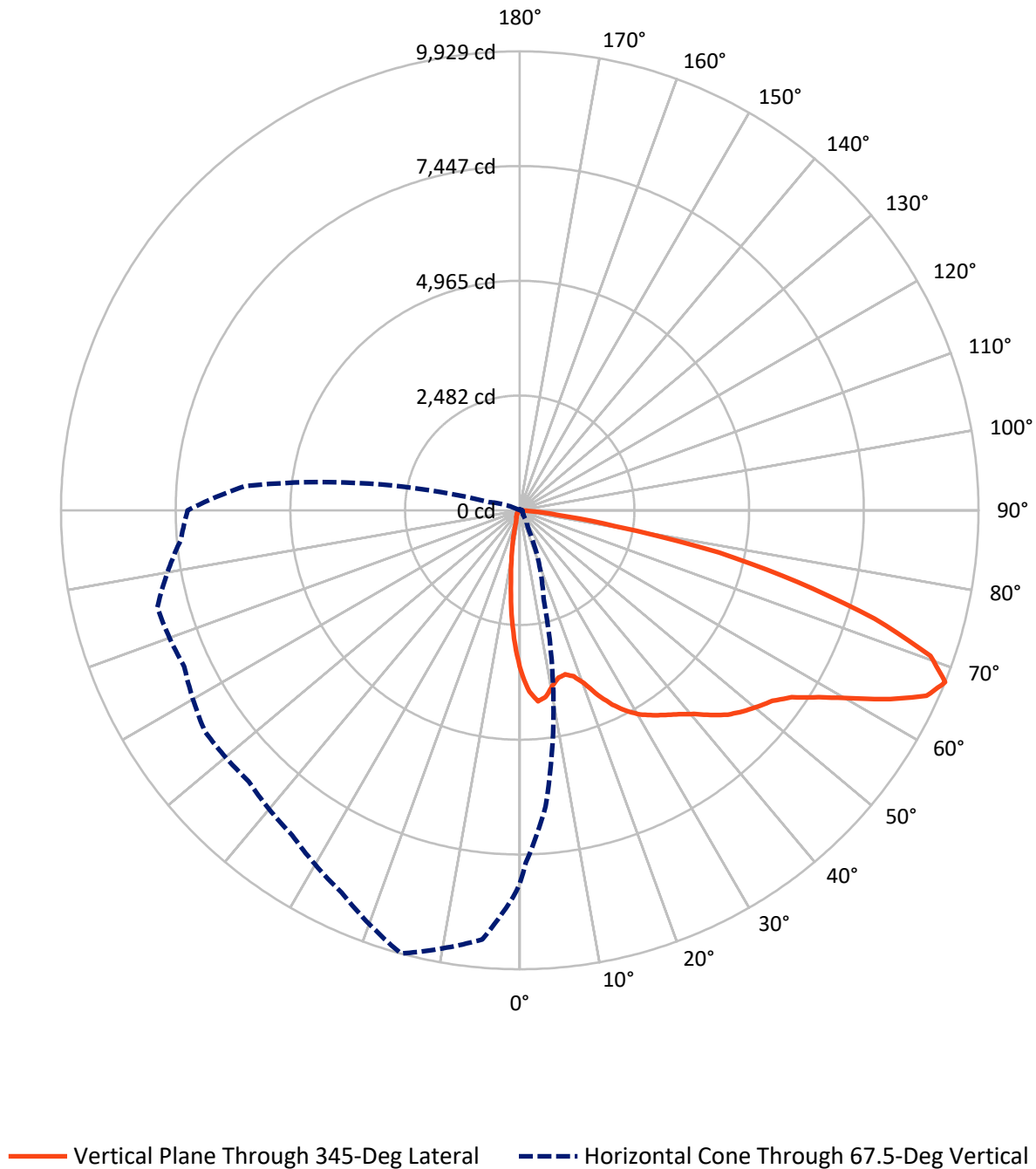
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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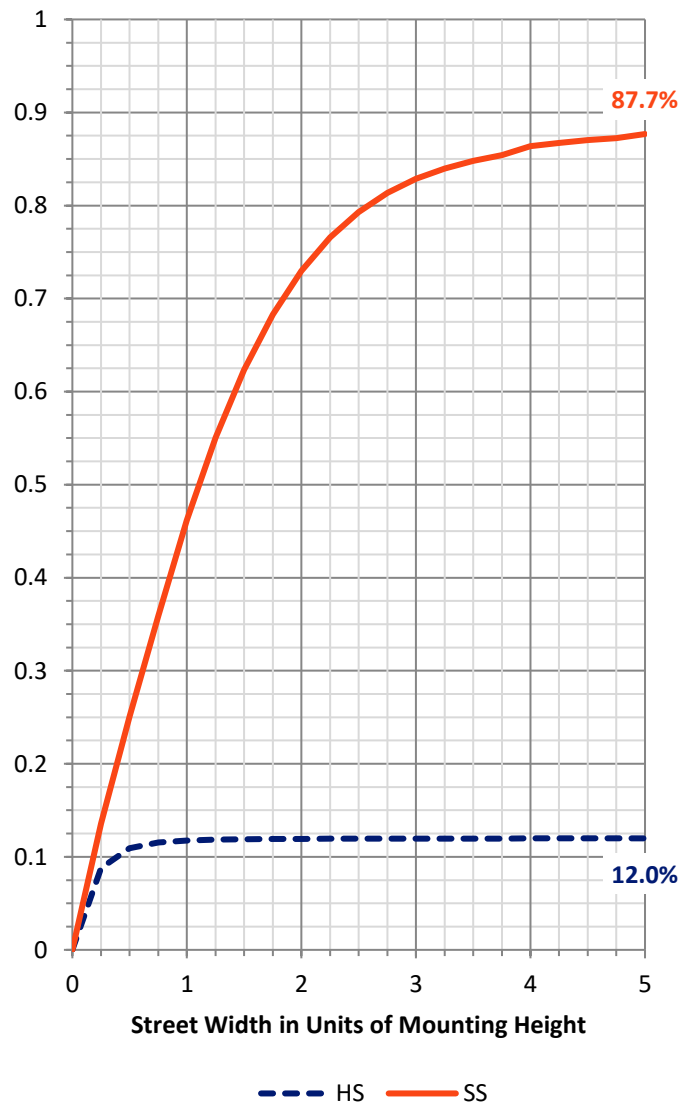
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1298.4	0.0	1298.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	9429.6	0.0	9429.6
	% Fixture	87.9	0.0	87.9
Total	Lumens	10728.0	0.0	10728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	2.5
10°-20°	533.9	5.0
20°-30°	758.1	7.1
30°-40°	1119.7	10.4
40°-50°	1614.9	15.1
50°-60°	2267.0	21.1
60°-70°	2642.7	24.6
70°-80°	1351.0	12.6
80°-90°	172.5	1.6
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°	10728.0	100.0
0°-180°	10728.0	100.0

Coefficient of Utilization



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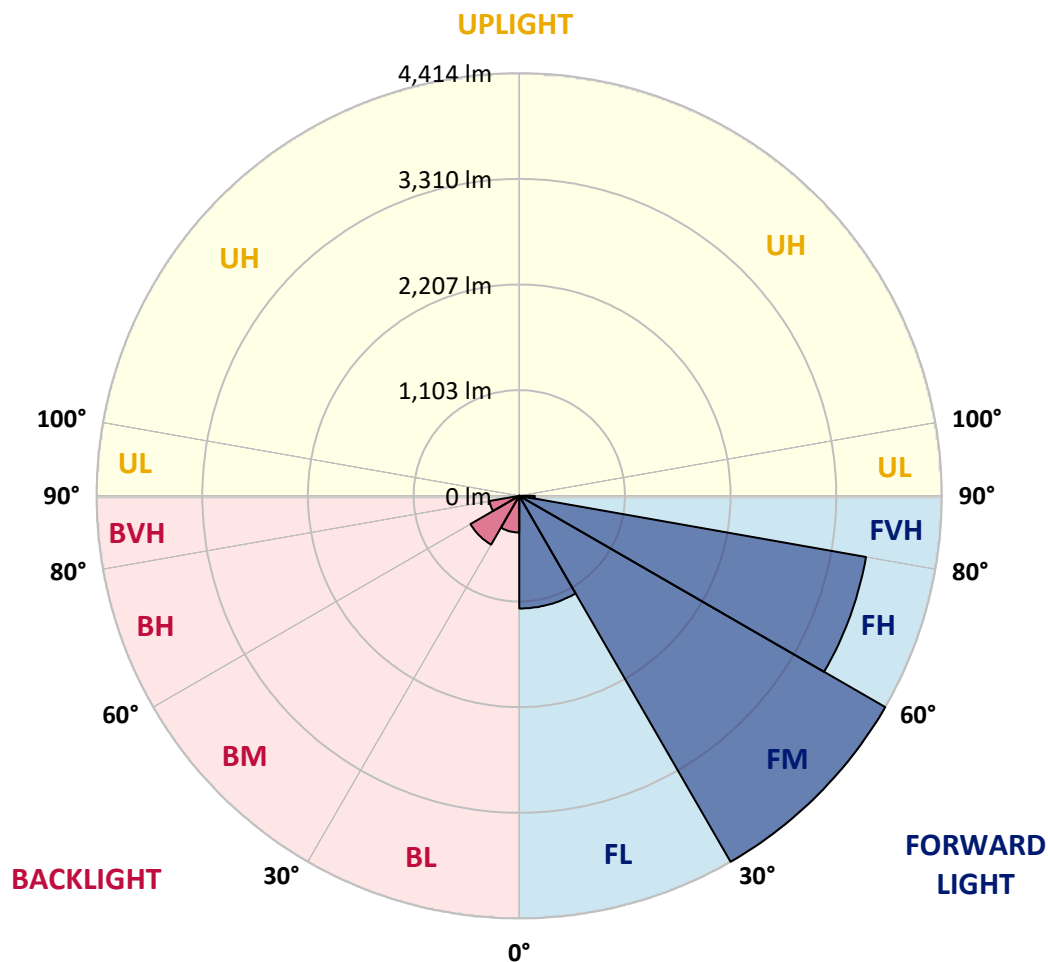
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1176.7	11.0			
FM	(30°-60°)	4413.7	41.1			
FH	(60°-80°)	3677.2	34.3			G2/5000
FVH	(80°-90°)	162.1	1.5			G2/225
BL	(0°-30°)	383.5	3.6	B1/500		
BM	(30°-60°)	588.0	5.5	B1/1000		
BH	(60°-80°)	316.5	2.9	B1/500		G1/500
BVH	(80°-90°)	10.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6
2.5°	3826.5	3797.0	3764.5	3658.3	3559.7	3446.9	3354.9	3290.8	3210.5	3106.3	3079.9
5°	3799.1	3767.5	3665.4	3429.1	3222.2	3021.0	2826.8	2713.0	2571.7	2428.3	2392.8
7.5°	3523.1	3490.1	3342.7	3018.9	2740.4	2449.7	2197.6	2041.6	1882.0	1750.9	1681.2
10°	3235.9	3199.8	3034.2	2641.3	2298.2	2035.5	1850.5	1701.6	1550.6	1410.4	1298.5
12.5°	3038.2	2991.0	2811.0	2365.8	2067.0	1888.6	1715.8	1537.4	1333.1	1182.7	1059.7
15°	2955.4	2901.5	2711.4	2259.6	1985.2	1775.8	1550.6	1331.6	1092.2	919.9	807.1
17.5°	3019.4	2949.3	2745.5	2252.5	1882.5	1597.4	1312.8	1055.6	795.9	621.6	541.3
20°	3237.0	3145.0	2886.3	2250.5	1758.0	1385.4	1024.6	733.9	524.5	421.8	379.7
22.5°	3579.5	3458.0	3088.5	2266.7	1629.4	1162.8	740.0	498.6	393.9	340.5	315.6
25°	3993.2	3852.4	3379.8	2324.2	1516.6	946.3	537.7	393.9	332.4	293.3	272.4
27.5°	4386.6	4272.2	3747.7	2407.0	1429.2	771.5	436.6	333.9	284.1	258.2	241.4
30°	4779.4	4635.6	4125.3	2505.6	1324.0	653.1	383.7	304.4	254.6	227.2	216.5
32.5°	5065.1	4945.6	4421.1	2576.8	1211.6	575.8	343.1	278.5	237.9	209.9	194.1
35°	5401.0	5265.8	4674.7	2592.5	1139.5	527.0	308.5	250.6	206.3	181.4	164.7
37.5°	5763.9	5595.7	4967.5	2557.9	1083.0	503.2	282.6	237.9	192.6	167.2	149.4
40°	6165.4	5975.3	5248.5	2508.1	1027.7	495.0	262.8	228.2	181.9	156.0	137.7
42.5°	6588.3	6364.1	5492.0	2455.8	992.6	467.1	260.7	218.5	173.8	145.9	127.6
45°	6943.5	6716.3	5742.0	2438.5	967.7	436.6	269.4	211.9	168.2	137.7	119.9
47.5°	7226.6	7011.6	5998.2	2477.1	953.4	408.6	245.5	220.6	165.2	130.6	113.3
50°	7564.6	7321.1	6359.0	2592.5	932.6	380.7	222.1	252.6	165.2	126.0	107.7
52.5°	7988.4	7747.5	6761.6	2771.4	890.9	342.0	199.7	253.1	166.7	119.9	100.6
55°	8521.6	8346.7	7336.4	2967.6	824.4	285.1	172.8	217.5	160.6	108.8	94.0
57.5°	9032.9	8890.1	7860.4	3101.8	735.4	222.6	150.4	175.3	146.9	95.5	83.9
59°	9172.6	9016.6	8052.5	3107.9	668.8	194.1	139.3	144.8	143.8	89.4	77.8
60°	9172.6	9006.9	8107.9	3075.3	620.6	178.4	132.1	129.1	149.9	85.4	74.2
62.5°	9006.4	8773.7	7928.0	2855.3	506.2	152.0	115.4	106.7	134.7	76.7	65.6
65°	8660.8	8321.8	7315.0	2457.3	451.3	139.3	99.6	87.4	93.5	67.6	57.4
67.5°	8084.5	7625.1	6431.2	1985.2	429.5	135.7	85.9	74.2	70.6	57.9	50.3
70°	7069.6	6559.8	5358.3	1560.8	410.7	134.2	72.2	62.5	56.9	48.8	42.7
72.5°	5145.4	4613.8	3804.1	1220.3	399.5	137.2	57.9	52.3	46.8	38.1	33.0
75°	2943.2	2595.0	2138.1	806.1	340.5	131.1	44.7	43.7	33.5	27.4	22.9
77.5°	1520.6	1474.4	1281.3	309.5	163.1	57.4	29.5	25.4	19.8	16.8	13.7
80°	656.1	649.0	561.6	89.4	43.2	32.0	16.8	10.7	9.1	7.1	5.6
82.5°	226.7	226.7	199.7	30.0	19.3	15.8	2.0	0.0	0.0	0.0	0.0
85°	45.7	51.3	36.1	0.0	6.6	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6
2.5°	3047.9	2986.4	2982.3	2943.7	2895.4	2873.6	2860.9	2883.2	2910.7	2913.7	2954.9
5°	2365.8	2301.3	2328.2	2259.6	2273.3	2259.6	2237.3	2241.3	2253.5	2215.4	2262.7
7.5°	1661.4	1612.6	1643.6	1625.3	1649.7	1659.4	1645.7	1625.3	1565.4	1558.2	1599.4
10°	1252.3	1196.9	1163.9	1129.3	1136.9	1152.7	1147.6	1132.9	1094.7	1096.8	1136.4
12.5°	1006.3	944.3	878.7	793.9	773.0	784.7	773.0	764.4	727.8	730.8	765.9
15°	763.4	712.5	643.9	575.8	538.7	542.3	509.8	486.9	464.0	436.6	457.9
17.5°	515.4	484.3	464.0	443.7	399.5	389.3	348.1	303.9	286.6	273.9	283.1
20°	364.9	348.1	340.0	339.0	313.6	300.9	260.7	233.3	224.6	222.1	227.7
22.5°	304.9	292.7	281.1	274.4	261.7	247.0	216.5	202.8	196.7	193.6	197.7
25°	265.3	256.2	244.0	232.8	227.7	211.9	190.1	179.9	175.8	172.8	174.8
27.5°	235.8	227.7	213.5	206.3	202.3	188.6	169.8	161.6	158.1	157.0	156.5
30°	212.4	204.8	191.6	183.5	176.4	164.2	153.0	144.8	141.3	140.3	139.3
32.5°	189.1	183.0	174.3	166.2	158.6	147.4	137.7	131.1	125.5	124.5	124.0
35°	159.6	153.5	148.9	148.4	141.3	130.6	123.5	114.9	110.3	108.8	109.3
37.5°	141.8	133.7	123.5	127.1	125.0	117.4	107.7	99.1	94.5	93.5	93.5
40°	130.6	122.0	110.3	104.2	110.3	108.8	93.5	84.9	80.3	79.8	78.8
42.5°	119.9	111.3	98.1	87.9	91.0	95.5	80.8	72.7	68.1	67.1	65.6
45°	112.3	103.2	88.4	76.7	70.6	80.3	69.1	59.0	56.4	54.4	53.4
47.5°	105.2	96.6	79.8	66.6	56.4	57.9	55.4	48.3	45.2	43.2	42.7
50°	99.1	90.0	72.2	56.9	46.8	42.7	44.7	38.1	35.6	33.5	32.5
52.5°	92.0	83.4	64.0	49.3	39.1	33.5	34.1	30.0	27.4	25.9	25.4
55°	86.4	77.8	57.4	43.2	34.6	27.4	24.4	23.4	21.9	20.8	20.3
57.5°	78.8	70.6	50.8	36.6	29.5	22.4	18.8	18.8	18.3	17.3	16.8
59°	74.2	67.1	46.8	33.0	26.9	19.3	16.8	17.3	16.8	15.8	15.2
60°	70.6	64.0	43.7	30.5	25.4	17.8	15.2	16.3	15.8	14.7	14.2
62.5°	62.5	57.9	37.6	25.4	22.4	14.2	12.7	13.7	13.7	13.2	12.7
65°	54.9	49.8	32.0	21.3	20.8	12.2	10.2	12.2	12.7	11.7	10.7
67.5°	47.8	42.7	28.0	17.3	19.3	9.7	7.6	10.2	13.7	10.7	9.7
70°	40.7	35.6	21.9	13.7	20.3	6.6	6.1	9.1	16.3	11.7	9.1
72.5°	31.5	27.4	15.2	10.2	21.9	4.6	4.6	7.6	18.3	12.7	8.6
75°	21.9	17.8	9.1	6.1	17.8	3.0	3.0	7.1	17.3	11.7	8.1
77.5°	12.7	9.7	3.0	0.5	9.1	0.0	0.5	5.1	12.2	7.1	3.6
80°	4.6	2.0	0.0	0.0	5.6	0.0	0.0	0.0	1.0	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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6
2.5°	2965.6	3034.2	3095.7	3188.7	3299.0	3426.0	3535.3	3652.7	3763.0	3808.7	3840.2
5°	2272.3	2357.2	2456.3	2593.0	2775.0	2999.1	3209.0	3446.3	3701.5	3829.0	3949.0
7.5°	1606.5	1692.9	1815.9	1961.3	2181.3	2448.2	2722.6	3050.4	3396.0	3597.8	3796.5
10°	1155.2	1261.4	1376.3	1575.0	1798.6	2051.7	2334.3	2700.3	3085.5	3309.1	3548.5
12.5°	786.2	907.2	1081.0	1303.6	1566.4	1814.4	2059.9	2409.0	2856.3	3077.9	3334.5
15°	471.6	538.7	722.7	980.4	1302.6	1611.6	1880.5	2230.6	2707.4	2978.8	3245.6
17.5°	290.7	321.7	421.8	633.3	971.7	1362.6	1731.0	2170.2	2728.7	3059.1	3344.7
20°	231.8	244.0	276.0	374.1	643.9	1088.1	1562.8	2158.0	2903.0	3309.6	3616.1
22.5°	201.3	213.0	234.3	271.9	405.1	814.7	1403.2	2169.1	3153.1	3685.2	4043.0
25°	177.4	187.5	207.9	238.9	296.8	573.8	1232.5	2219.0	3478.9	4151.3	4531.4
27.5°	158.6	167.2	186.0	214.5	254.6	400.5	1038.8	2279.4	3865.1	4628.0	5003.1
30°	141.3	148.9	165.7	192.1	221.1	308.0	826.4	2320.6	4251.9	5003.1	5340.0
32.5°	126.6	132.1	147.4	169.8	192.1	245.5	628.2	2314.0	4539.0	5315.1	5582.5
35°	111.3	116.9	130.1	149.4	167.2	202.8	494.0	2190.5	4789.1	5638.9	5860.0
37.5°	94.5	101.6	114.4	131.6	143.8	178.4	399.5	2041.6	5042.7	6008.9	6169.5
40°	80.3	87.4	98.6	117.4	125.0	169.2	307.0	1860.1	5327.8	6422.6	6509.0
42.5°	66.6	73.2	84.9	101.1	117.9	145.9	227.2	1652.8	5601.8	6776.3	6818.5
45°	53.9	60.5	72.7	88.9	126.0	121.0	175.8	1430.7	5822.9	7070.6	7084.3
47.5°	42.7	48.8	61.5	83.9	117.4	96.6	125.5	1256.4	6008.4	7300.3	7264.2
50°	33.0	38.1	51.3	96.1	102.7	79.8	95.0	1198.4	6174.6	7442.6	7349.1
52.5°	25.9	30.5	42.2	90.0	79.8	66.1	79.8	1252.8	6402.2	7560.5	7396.9
55°	20.8	25.4	33.0	51.3	54.4	55.9	68.1	1303.6	6795.1	7837.0	7678.9
57.5°	17.3	21.9	26.9	36.1	41.2	47.3	60.5	1309.2	7258.1	8296.4	8147.0
59°	15.8	19.8	24.4	32.0	36.1	43.2	56.9	1278.7	7421.3	8463.6	8388.9
60°	14.7	18.8	22.9	29.5	33.5	40.7	54.9	1249.8	7428.4	8457.5	8492.1
62.5°	12.7	16.8	20.3	24.9	28.5	34.6	49.3	1142.5	7127.5	8180.6	8430.1
65°	11.2	14.7	18.3	21.3	24.4	31.0	44.7	946.8	6613.7	7733.8	8005.7
67.5°	10.2	12.7	16.8	18.8	21.9	27.4	39.6	674.9	5971.8	7187.5	7363.8
70°	9.1	12.2	15.2	17.3	19.8	23.9	34.1	387.8	5042.7	6387.5	6513.0
72.5°	8.6	11.7	13.7	16.3	17.8	21.3	31.0	182.5	3692.3	5116.9	5444.7
75°	7.6	10.7	12.7	15.2	16.8	19.3	26.4	87.4	2455.8	3703.0	4075.5
77.5°	4.6	8.6	11.7	13.7	14.7	16.8	21.9	50.3	1567.4	2563.0	3018.9
80°	0.0	3.0	8.6	11.7	12.7	14.2	16.8	39.6	838.6	1464.2	1757.5
82.5°	0.0	0.0	6.1	9.1	8.6	9.7	12.7	24.9	378.1	957.0	1078.5
85°	0.0	0.0	2.0	7.1	6.1	4.6	8.6	8.6	82.8	484.3	604.3
87.5°	0.0	0.0	0.0	0.5	3.0	2.0	3.6	1.0	0.5	36.1	146.4
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-SA2C-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6	3494.6
2.5°	3950.5	3988.1	4051.7	4081.6	4066.9	4004.4	3929.7	3853.4	3808.7	3826.5
5°	4193.4	4387.1	4498.9	4536.0	4474.0	4333.7	4150.2	3908.3	3822.4	3799.1
7.5°	4193.4	4557.9	4788.6	4829.3	4691.0	4416.1	4072.0	3694.4	3568.8	3523.1
10°	4046.1	4542.1	4863.8	4928.4	4735.2	4324.1	3863.1	3432.1	3283.2	3235.9
12.5°	3879.9	4414.0	4753.0	4842.0	4683.4	4232.6	3718.2	3254.7	3079.4	3038.2
15°	3777.7	4256.5	4537.0	4601.6	4534.5	4179.2	3683.7	3201.4	2995.0	2955.4
17.5°	3814.3	4134.5	4235.6	4273.2	4318.5	4160.4	3777.7	3318.3	3057.0	3019.4
20°	3952.0	4005.9	3953.6	4000.8	4122.8	4178.7	4001.8	3600.8	3287.3	3237.0
22.5°	4185.8	3939.3	3792.5	3811.3	3959.7	4239.2	4344.4	4004.4	3642.5	3579.5
25°	4458.2	3993.2	3703.0	3686.2	3838.7	4319.0	4657.5	4443.5	4062.8	3993.2
27.5°	4800.8	4114.2	3684.7	3667.9	3796.5	4393.7	4917.7	4877.5	4505.5	4386.6
30°	5065.1	4233.1	3739.1	3700.5	3838.7	4445.5	5126.6	5246.0	4858.2	4779.4
32.5°	5254.6	4373.4	3827.5	3771.6	3957.6	4535.0	5287.7	5583.5	5184.5	5065.1
35°	5399.0	4525.8	3970.3	3878.3	4121.3	4670.7	5438.6	5942.8	5531.6	5401.0
37.5°	5534.2	4739.8	4193.4	4083.7	4377.9	4889.2	5598.2	6350.4	5919.9	5763.9
40°	5722.7	4982.2	4537.5	4439.9	4809.4	5187.0	5797.4	6775.3	6361.6	6165.4
42.5°	5911.3	5242.4	4889.7	4916.2	5347.7	5548.9	6054.6	7224.6	6797.6	6588.3
45°	6083.6	5510.8	5391.4	5513.3	5847.2	5945.8	6310.2	7484.3	7145.8	6943.5
47.5°	6237.1	5846.2	5889.9	6214.7	6415.5	6305.2	6501.3	7708.4	7405.0	7226.6
50°	6415.5	6280.3	6547.1	7006.5	7069.6	6630.4	6675.2	7973.7	7707.9	7564.6
52.5°	6610.6	6737.7	7274.9	7679.9	7659.6	6983.7	6850.0	8271.0	8123.1	7988.4
55°	6832.2	7107.2	7915.8	8310.2	8292.9	7378.1	7139.7	8638.5	8643.6	8521.6
57.5°	7161.0	7425.3	8350.8	8819.9	8848.9	7833.4	7630.6	9050.1	9114.2	9032.9
59°	7396.9	7631.7	8523.1	9032.9	9150.8	8185.6	7989.5	9289.0	9246.8	9172.6
60°	7571.7	7762.8	8608.5	9144.2	9326.1	8424.5	8254.2	9429.3	9262.6	9172.6
62.5°	8004.2	8048.4	8762.5	9270.2	9527.9	8955.1	8999.3	9668.2	9153.3	9006.4
65°	8206.0	8228.8	8760.5	9044.6	9332.7	9368.3	9675.3	9675.3	8886.5	8660.8
67.5°	8121.6	8011.3	8325.9	8296.4	8584.1	9122.8	9929.4	9320.5	8376.2	8084.5
70°	7435.5	7011.1	6871.3	6884.0	7104.1	7935.1	9426.2	8276.6	7410.6	7069.6
72.5°	6186.7	5168.8	4823.7	5217.5	5275.0	6098.3	8033.2	6233.0	5465.1	5145.4
75°	4976.1	3643.5	3082.4	3498.2	3595.8	4462.8	6214.2	3881.9	3192.2	2943.2
77.5°	3574.9	2615.4	2211.8	2182.9	2308.9	2830.4	4409.4	1953.7	1629.4	1520.6
80°	2030.9	1721.4	1853.5	1748.8	1812.4	1769.7	2094.9	856.9	701.9	656.1
82.5°	1225.9	1017.5	1101.9	917.4	1160.8	1010.9	807.1	274.4	238.4	226.7
85°	797.4	556.0	289.7	194.1	400.0	646.0	180.4	74.7	57.4	45.7
87.5°	275.0	141.8	14.2	6.1	42.7	120.5	6.6	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

(END OF REPORT)