

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: P324580

Luminaire Tested: **GAN-SA6D-760-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324580
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-SA6D-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA 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: 34400 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

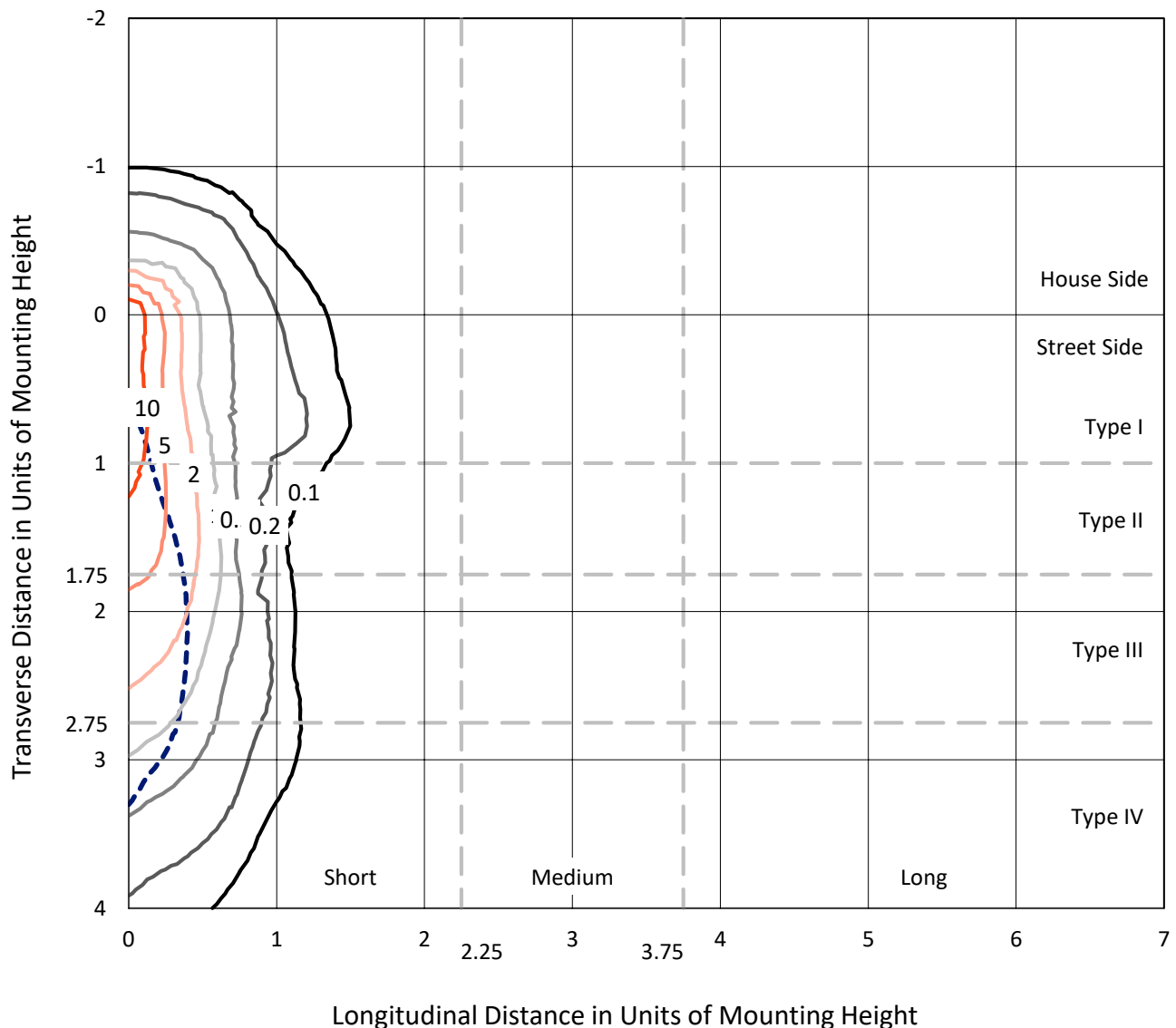
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

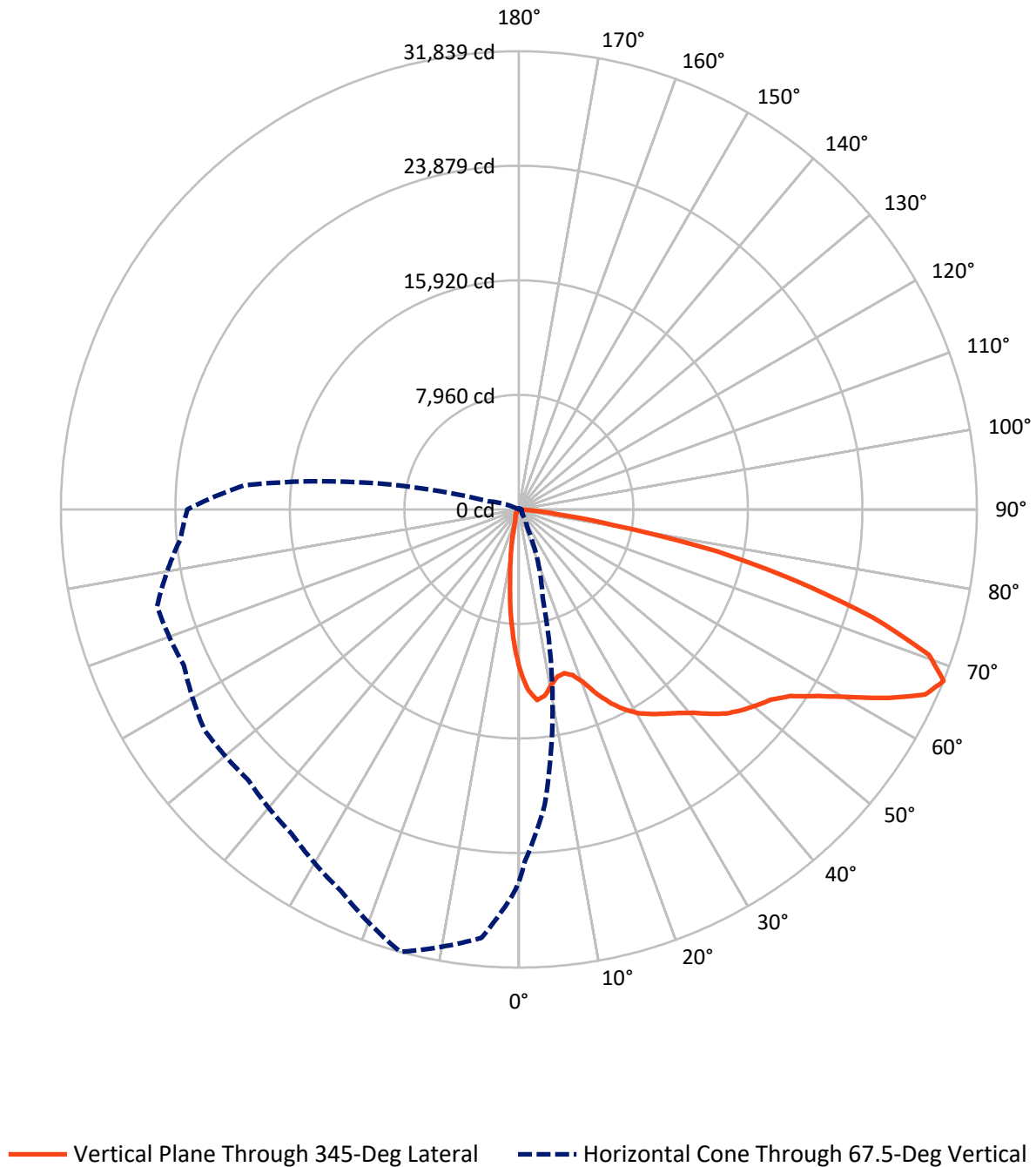
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 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	4163.5	0.0	4163.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	30236.5	0.0	30236.5
	% Fixture	87.9	0.0	87.9
Total	Lumens	34400.0	0.0	34400.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.0	2.5
10°-20°	1711.9	5.0
20°-30°	2430.9	7.1
30°-40°	3590.5	10.4
40°-50°	5178.3	15.1
50°-60°	7269.3	21.1
60°-70°	8473.9	24.6
70°-80°	4332.0	12.6
80°-90°	553.2	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°	34400.0	100.0
0°-180°	34400.0	100.0

Coefficient of Utilization



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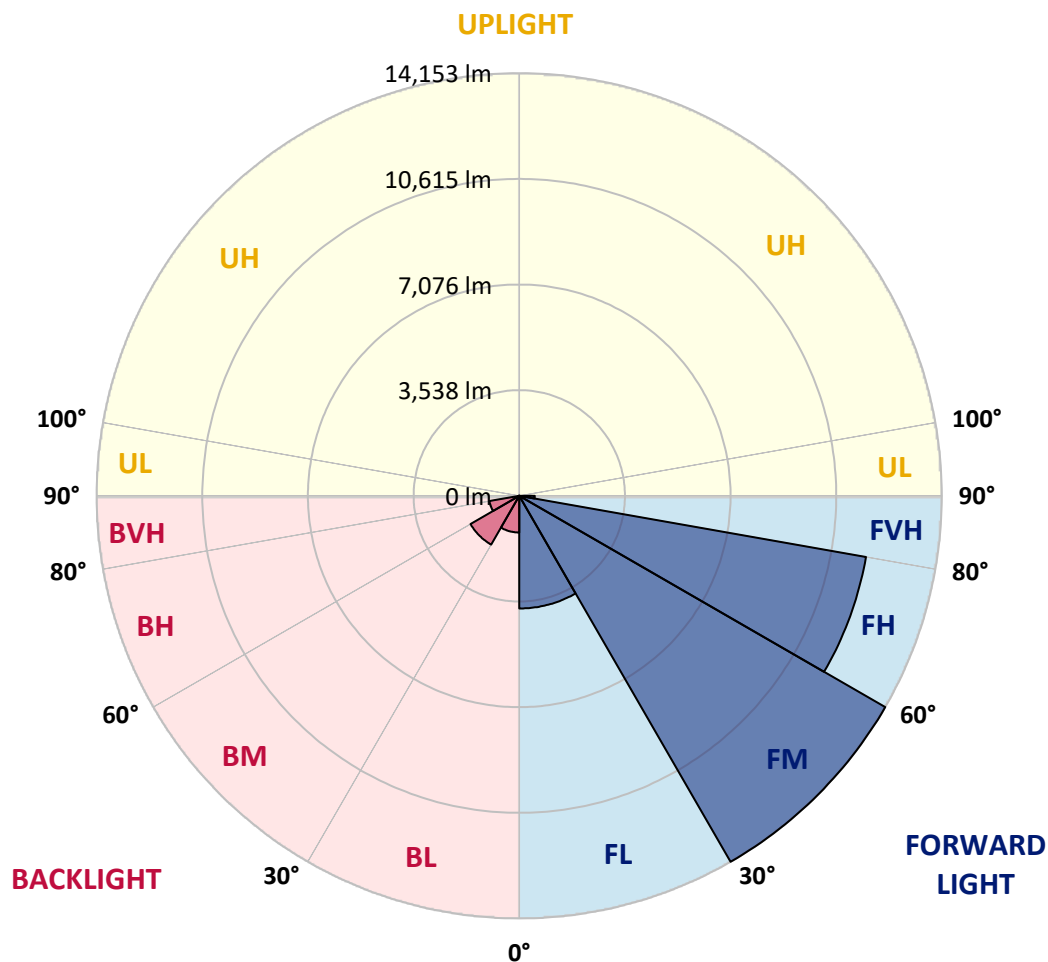
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3773.0	11.0			
FM	(30°-60°)	14152.7	41.1			
FH	(60°-80°)	11791.1	34.3			G4/12000
FVH	(80°-90°)	519.6	1.5			G4/750
BL	(0°-30°)	1229.8	3.6	B3/2500		
BM	(30°-60°)	1885.4	5.5	B2/2500		
BH	(60°-80°)	1014.8	2.9	B3/2500		G3/2500
BVH	(80°-90°)	33.6	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7
2.5°	12269.9	12175.4	12071.1	11730.5	11414.3	11052.5	10757.6	10552.2	10294.7	9960.7	9875.9
5°	12181.9	12080.9	11753.3	10995.5	10332.2	9686.9	9064.3	8699.3	8246.2	7786.7	7672.6
7.5°	11297.0	11191.1	10718.5	9680.3	8787.3	7855.1	7046.8	6546.5	6034.7	5614.3	5391.0
10°	10376.2	10260.5	9729.2	8469.5	7369.5	6526.9	5933.7	5456.2	4972.2	4522.4	4163.9
12.5°	9742.3	9590.7	9013.8	7586.2	6627.9	6055.9	5501.8	4929.8	4274.7	3792.3	3397.9
15°	9476.6	9303.9	8694.4	7245.6	6365.6	5694.1	4972.2	4269.8	3502.2	2949.7	2587.9
17.5°	9682.0	9457.1	8803.6	7222.8	6036.4	5122.1	4209.5	3384.9	2552.1	1993.1	1735.6
20°	10379.5	10084.5	9255.0	7216.3	5637.1	4442.5	3285.5	2353.3	1681.8	1352.6	1217.4
22.5°	11477.9	11088.4	9903.6	7268.4	5224.8	3728.7	2372.8	1598.7	1263.0	1091.9	1012.0
25°	12804.5	12353.0	10837.4	7452.6	4863.0	3034.5	1724.2	1263.0	1065.8	940.3	873.5
27.5°	14065.8	13699.2	12017.3	7718.2	4582.7	2473.9	1399.9	1070.7	911.0	827.9	774.1
30°	15325.6	14864.4	13228.2	8034.4	4245.3	2094.1	1230.4	976.2	816.5	728.5	694.2
32.5°	16241.5	15858.5	14176.7	8262.5	3885.2	1846.4	1100.0	893.1	762.7	673.1	622.5
35°	17318.7	16885.2	14989.9	8313.0	3653.8	1690.0	989.2	803.4	661.7	581.8	528.0
37.5°	18482.3	17942.9	15928.6	8202.2	3472.9	1613.4	906.1	762.7	617.7	536.2	479.1
40°	19769.7	19160.2	16829.8	8042.5	3295.2	1587.3	842.5	731.7	583.4	500.3	441.6
42.5°	21125.6	20407.0	17610.4	7874.7	3182.8	1497.7	836.0	700.8	557.4	467.7	409.1
45°	22264.8	21536.3	18412.2	7819.2	3102.9	1399.9	863.7	679.6	539.4	441.6	384.6
47.5°	23172.5	22483.2	19233.6	7943.1	3057.3	1310.3	787.1	707.3	529.6	418.8	363.4
50°	24256.3	23475.7	20390.7	8313.0	2990.5	1220.6	712.2	610.0	529.6	404.2	345.5
52.5°	25615.4	24843.0	21681.4	8886.7	2856.8	1096.8	640.5	511.6	434.5	384.6	322.7
55°	27325.0	26764.4	23524.5	9515.7	2643.4	914.3	554.1	469.5	384.5	348.8	301.5
57.5°	28964.4	28506.5	25204.8	9946.0	2358.2	713.8	482.4	382.2	306.4	268.9	237.9
59°	29412.6	28912.3	25820.8	9965.5	2144.7	622.5	446.5	364.5	286.8	249.3	210.2
60°	29412.6	28881.3	25998.4	9861.2	1989.8	572.0	423.7	343.9	273.8	237.9	210.2
62.5°	28879.7	28133.3	25421.5	9155.6	1623.2	487.3	369.9	302.2	246.1	210.2	184.2
65°	27771.5	26684.5	23456.1	7879.5	1447.2	446.5	319.4	260.3	216.7	184.2	161.3
67.5°	25923.5	24450.2	20622.1	6365.6	1377.1	435.1	275.4	237.9	226.5	185.8	161.3
70°	22669.0	21034.4	17181.8	5004.8	1316.8	430.2	231.4	200.5	182.5	156.5	136.9
72.5°	16499.0	14794.3	12198.2	3912.9	1280.9	440.0	185.8	167.9	149.9	122.2	105.9
75°	9437.5	8321.2	6856.1	2584.7	1091.9	420.5	143.4	140.2	107.6	88.0	73.3
77.5°	4876.0	4727.7	4108.4	992.5	523.1	184.2	94.5	81.5	63.6	53.8	44.0
80°	2103.9	2081.1	1800.8	286.8	138.5	102.7	53.8	34.2	29.3	22.8	17.9
82.5°	726.8	726.8	640.5	96.2	61.9	50.5	6.5	0.0	0.0	0.0	0.0
85°	146.7	164.6	115.7	0.0	21.2	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°	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7
2.5°	9773.2	9576.0	9563.0	9439.2	9284.3	9214.3	9173.5	9245.2	9333.2	9343.0	9475.0
5°	7586.2	7379.2	7465.6	7245.6	7289.6	7245.6	7173.9	7186.9	7226.0	7103.8	7255.4
7.5°	5327.5	5171.0	5270.4	5211.7	5290.0	5320.9	5276.9	5211.7	5019.4	4996.6	5128.6
10°	4015.6	3837.9	3732.0	3621.2	3645.6	3696.1	3679.8	3632.6	3510.3	3516.9	3644.0
12.5°	3226.8	3028.0	2817.7	2545.6	2478.8	2516.2	2478.8	2451.1	2333.7	2343.5	2455.9
15°	2447.8	2284.8	2064.8	1846.4	1727.5	1738.9	1634.6	1561.2	1487.9	1399.9	1468.3
17.5°	1652.5	1553.1	1487.9	1422.7	1280.9	1248.3	1116.3	974.6	919.1	878.4	907.7
20°	1170.1	1116.3	1090.3	1087.0	1005.5	964.8	836.0	748.0	720.3	712.2	730.1
22.5°	977.8	938.7	901.2	880.0	839.3	792.0	694.2	650.2	630.7	620.9	633.9
25°	850.7	821.4	782.3	746.4	730.1	679.6	609.5	576.9	563.9	554.1	560.6
27.5°	756.2	730.1	684.5	661.7	648.6	604.6	544.3	518.2	506.8	503.6	501.9
30°	681.2	656.8	614.4	588.3	565.5	526.4	490.5	464.5	453.1	449.8	446.5
32.5°	606.2	586.7	559.0	532.9	508.5	472.6	441.6	420.5	402.5	399.3	397.6
35°	511.7	492.2	477.5	475.9	453.1	418.8	396.0	368.3	353.6	348.8	350.4
37.5°	454.7	428.6	396.0	407.4	400.9	376.5	345.5	317.8	303.1	299.9	299.9
40°	418.8	391.1	353.6	334.1	353.6	348.8	299.9	272.2	257.5	255.9	252.6
42.5°	384.6	356.9	314.5	281.9	291.7	306.4	259.1	233.0	218.4	215.1	210.2
45°	360.2	330.8	283.6	246.1	226.5	257.5	221.6	189.0	180.9	174.4	171.1
47.5°	337.3	309.6	255.9	213.5	180.9	185.8	177.6	154.8	145.0	138.5	136.9
50°	317.8	288.5	231.4	182.5	149.9	136.9	143.4	122.2	114.1	107.6	104.3
52.5°	295.0	267.3	205.3	158.1	125.5	107.6	109.2	96.2	88.0	83.1	81.5
55°	277.0	249.3	184.2	138.5	110.8	88.0	78.2	75.0	70.1	66.8	65.2
57.5°	252.6	226.5	163.0	117.3	94.5	71.7	60.3	60.3	58.7	55.4	53.8
59°	237.9	215.1	149.9	105.9	86.4	61.9	53.8	55.4	53.8	50.5	48.9
60°	226.5	205.3	140.2	97.8	81.5	57.0	48.9	52.2	50.5	47.3	45.6
62.5°	200.5	185.8	120.6	81.5	71.7	45.6	40.7	44.0	44.0	42.4	40.7
65°	176.0	159.7	102.7	68.4	66.8	39.1	32.6	39.1	40.7	37.5	34.2
67.5°	153.2	136.9	89.6	55.4	61.9	31.0	24.4	32.6	44.0	34.2	31.0
70°	130.4	114.1	70.1	44.0	65.2	21.2	19.6	29.3	52.2	37.5	29.3
72.5°	101.0	88.0	48.9	32.6	70.1	14.7	14.7	24.4	58.7	40.7	27.7
75°	70.1	57.0	29.3	19.6	57.0	9.8	9.8	22.8	55.4	37.5	26.1
77.5°	40.7	31.0	9.8	1.6	29.3	0.0	1.6	16.3	39.1	22.8	11.4
80°	14.7	6.5	0.0	0.0	17.9	0.0	0.0	0.0	3.3	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°	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7
2.5°	9509.2	9729.2	9926.4	10224.7	10578.3	10985.7	11336.1	11712.6	12066.2	12212.9	12313.9
5°	7286.3	7558.5	7876.3	8314.7	8898.1	9616.8	10289.9	11050.9	11869.0	12278.1	12662.7
7.5°	5151.4	5428.5	5822.9	6289.0	6994.6	7850.2	8730.2	9781.4	10889.6	11536.6	12173.8
10°	3704.3	4044.9	4413.2	5050.4	5767.5	6579.1	7485.2	8658.5	9893.8	10610.9	11378.5
12.5°	2521.1	2909.0	3466.3	4180.2	5022.7	5818.0	6605.1	7724.7	9158.8	9869.4	10692.4
15°	1512.4	1727.5	2317.4	3143.7	4176.9	5167.7	6029.8	7152.7	8681.3	9551.6	10407.2
17.5°	932.2	1031.6	1352.6	2030.6	3116.0	4369.2	5550.7	6958.8	8749.8	9809.1	10725.0
20°	743.1	782.3	884.9	1199.5	2064.8	3489.2	5011.3	6919.7	9308.8	10612.5	11595.2
22.5°	645.4	682.8	751.3	871.9	1298.9	2612.4	4499.6	6955.5	10110.6	11816.9	12964.2
25°	568.8	601.4	666.5	766.0	951.7	1839.9	3952.0	7115.2	11155.2	13311.3	14530.3
27.5°	508.5	536.2	596.5	687.7	816.5	1284.2	3331.1	7309.2	12393.8	14839.9	16042.7
30°	453.1	477.5	531.3	616.0	708.9	987.6	2649.9	7441.2	13634.0	16042.7	17123.1
32.5°	405.8	423.7	472.6	544.3	616.0	787.1	2014.3	7420.0	14554.7	17043.3	17900.5
35°	356.9	374.8	417.2	479.1	536.2	650.2	1584.1	7024.0	15356.6	18081.4	18790.3
37.5°	303.1	325.9	366.7	422.1	461.2	572.0	1280.9	6546.5	16169.8	19267.8	19782.8
40°	257.5	280.3	316.2	376.5	400.9	542.7	984.3	5964.7	17084.0	20594.4	20871.4
42.5°	213.5	234.7	272.2	324.3	378.1	467.7	728.5	5299.7	17962.4	21728.6	21863.9
45°	172.7	193.9	233.0	285.2	404.2	387.9	563.9	4587.6	18671.3	22672.2	22716.2
47.5°	136.9	156.5	197.2	268.9	376.5	309.6	402.5	4028.6	19266.2	23408.8	23293.1
50°	105.9	122.2	164.6	308.0	329.2	255.9	304.8	3842.8	19799.1	23865.2	23565.3
52.5°	83.1	97.8	135.3	288.5	255.9	211.9	255.9	4017.2	20529.2	24243.2	23718.5
55°	66.8	81.5	105.9	164.6	174.4	179.3	218.4	4180.2	21788.9	25129.8	24623.0
57.5°	55.4	70.1	86.4	115.7	132.0	151.6	193.9	4198.1	23273.6	26603.0	26123.9
59°	50.5	63.6	78.2	102.7	115.7	138.5	182.5	4100.3	23796.7	27139.2	26899.6
60°	47.3	60.3	73.3	94.5	107.6	130.4	176.0	4007.4	23819.5	27119.6	27230.5
62.5°	40.7	53.8	65.2	79.9	91.3	110.8	158.1	3663.5	22854.7	26231.5	27031.6
65°	35.9	47.3	58.7	68.4	78.2	99.4	143.4	3036.1	21207.1	24799.0	25670.8
67.5°	32.6	40.7	53.8	60.3	70.1	88.0	127.1	2164.2	19148.8	23047.1	23612.6
70°	29.3	39.1	48.9	55.4	63.6	76.6	109.2	1243.5	16169.8	20481.9	20884.5
72.5°	27.7	37.5	44.0	52.2	57.0	68.4	99.4	585.1	11839.7	16407.7	17458.8
75°	24.4	34.2	40.7	48.9	53.8	61.9	84.7	280.3	7874.7	11873.9	13068.5
77.5°	14.7	27.7	37.5	44.0	47.3	53.8	70.1	161.3	5026.0	8218.5	9680.3
80°	0.0	9.8	27.7	37.5	40.7	45.6	53.8	127.1	2689.0	4695.1	5635.5
82.5°	0.0	0.0	19.6	29.3	27.7	31.0	40.7	79.9	1212.5	3068.7	3458.2
85°	0.0	0.0	6.5	22.8	19.6	14.7	27.7	27.7	265.6	1553.1	1937.7
87.5°	0.0	0.0	0.0	1.6	9.8	6.5	11.4	3.3	1.6	115.7	469.4
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-SA6D-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7	11205.7
2.5°	12667.6	12788.2	12991.9	13088.0	13040.8	12840.3	12600.7	12356.3	12212.9	12269.9
5°	13446.6	14067.5	14426.0	14545.0	14346.1	13896.4	13308.0	12532.3	12256.9	12181.9
7.5°	13446.6	14615.0	15354.9	15485.3	15042.0	14160.4	13057.1	11846.2	11443.7	11297.0
10°	12973.9	14564.5	15596.1	15803.1	15183.8	13865.4	12387.3	11005.3	10527.8	10376.2
12.5°	12441.0	14153.8	15240.8	15526.0	15017.6	13572.0	11922.8	10436.5	9874.3	9742.3
15°	12113.5	13648.6	14548.2	14755.2	14540.1	13400.9	11812.0	10265.4	9603.8	9476.6
17.5°	12230.8	13257.5	13581.8	13702.4	13847.5	13340.6	12113.5	10640.2	9802.6	9682.0
20°	12672.5	12845.2	12677.3	12828.9	13220.0	13399.3	12832.2	11546.3	10540.8	10379.5
22.5°	13422.1	12631.7	12160.7	12221.0	12696.9	13593.2	13930.6	12840.3	11680.0	11477.9
25°	14295.6	12804.5	11873.9	11820.1	12309.0	13849.1	14934.5	14248.4	13027.7	12804.5
27.5°	15394.0	13192.3	11815.2	11761.5	12173.8	14088.7	15768.9	15640.1	14447.2	14065.8
30°	16241.5	13573.7	11989.6	11865.8	12309.0	14254.9	16438.7	16821.6	15578.2	15325.6
32.5°	16849.3	14023.5	12273.2	12093.9	12690.4	14541.7	16955.3	17903.8	16624.4	16241.5
35°	17312.2	14512.4	12731.1	12436.2	13215.1	14976.8	17439.3	19055.9	17737.5	17318.7
37.5°	17745.7	15198.5	13446.6	13094.5	14038.1	15677.6	17951.0	20363.0	18982.6	18482.3
40°	18350.3	15975.8	14549.9	14237.0	15421.7	16632.6	18589.9	21725.4	20398.8	19769.7
42.5°	18954.9	16810.2	15679.2	15764.0	17147.6	17792.9	19414.5	23166.0	21797.1	21125.6
45°	19507.4	17670.7	17287.7	17678.9	18749.6	19065.7	20234.2	23998.8	22913.4	22264.8
47.5°	19999.5	18746.3	18886.5	19927.8	20571.6	20217.9	20847.0	24717.5	23744.6	23172.5
50°	20571.6	20138.1	20993.6	22466.9	22669.0	21260.9	21404.3	25568.2	24715.9	24256.3
52.5°	21197.4	21604.8	23327.4	24626.2	24561.0	22393.5	21964.9	26521.5	26047.3	25615.4
55°	21907.9	22789.6	25382.4	26647.0	26591.6	23658.2	22893.9	27699.8	27716.1	27325.0
57.5°	22962.3	23809.7	26777.4	28281.6	28374.5	25118.4	24468.1	29019.9	29225.2	28964.4
59°	23718.5	24471.4	27329.9	28964.4	29342.5	26247.8	25618.7	29785.8	29650.5	29412.6
60°	24279.1	24891.9	27603.7	29321.4	29904.8	27013.7	26467.8	30235.6	29701.1	29412.6
62.5°	25666.0	25807.7	28097.5	29725.5	30551.8	28715.1	28856.9	31001.6	29350.7	28879.7
65°	26312.9	26386.3	28090.9	29001.9	29926.0	30040.0	31024.4	31024.4	28495.1	27771.5
67.5°	26042.4	25688.8	26697.6	26603.0	27525.4	29252.9	31839.2	29886.9	26858.9	25923.5
70°	23842.3	22481.5	22033.4	22074.1	22779.8	25444.3	30225.8	26539.5	23762.5	22669.0
72.5°	19838.2	16573.9	15467.4	16730.4	16914.5	19554.6	25758.9	19986.5	17524.0	16499.0
75°	15956.3	11683.2	9884.1	11217.1	11530.0	14310.3	19926.2	12447.6	10236.1	9437.5
77.5°	11463.2	8386.4	7092.4	6999.5	7403.7	9075.7	14139.2	6264.5	5224.8	4876.0
80°	6512.2	5519.8	5943.5	5607.8	5811.5	5674.6	6717.6	2747.7	2250.6	2103.9
82.5°	3930.8	3262.6	3533.2	2941.6	3722.2	3241.4	2587.9	880.0	764.3	726.8
85°	2557.0	1782.9	928.9	622.5	1282.6	2071.3	578.5	239.6	184.2	146.7
87.5°	881.7	454.7	45.6	19.6	136.9	386.2	21.2	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)