

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: P324180

Luminaire Tested: **GAN-SA6D-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324180
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-SA6D-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 34404 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

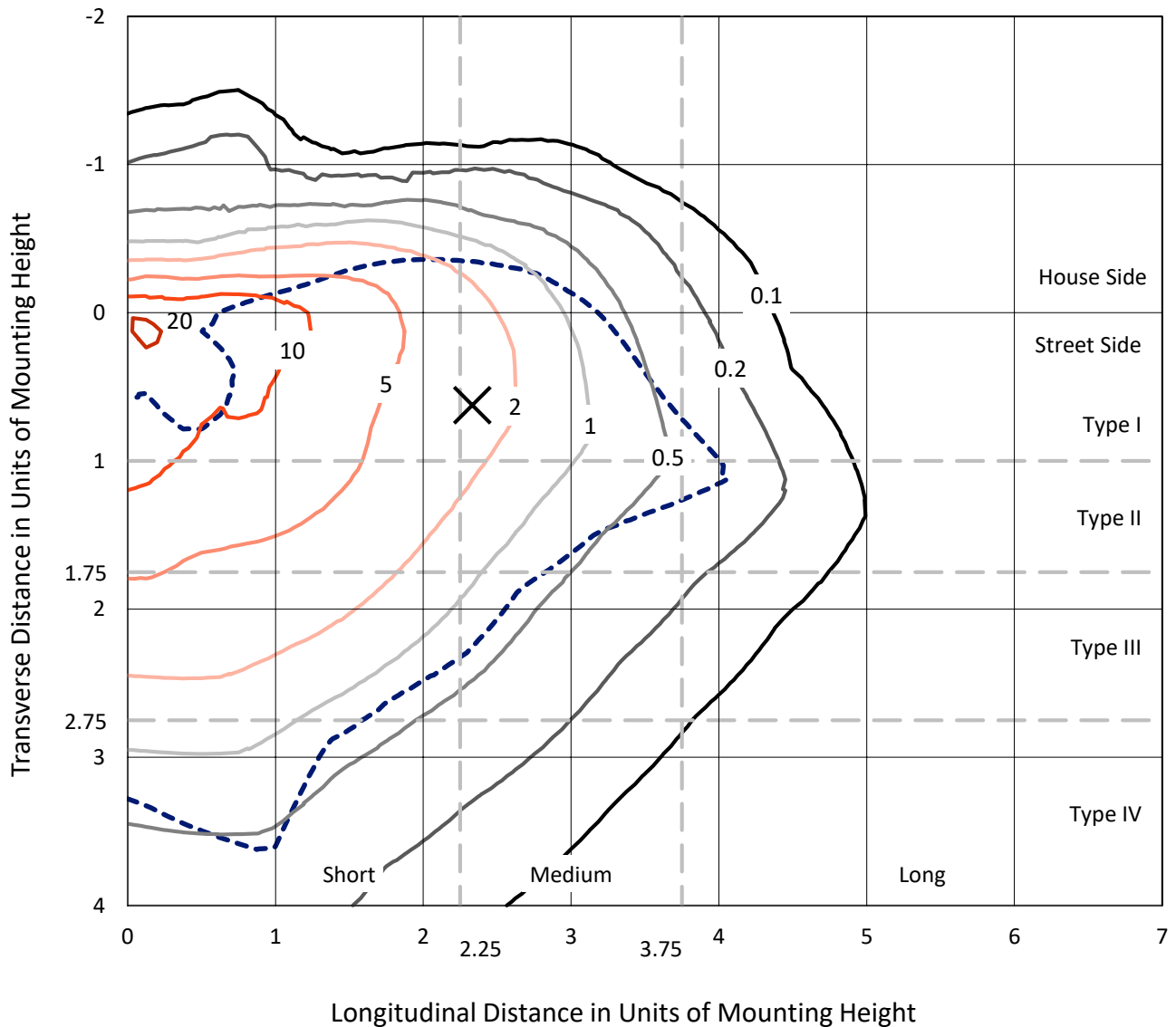
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

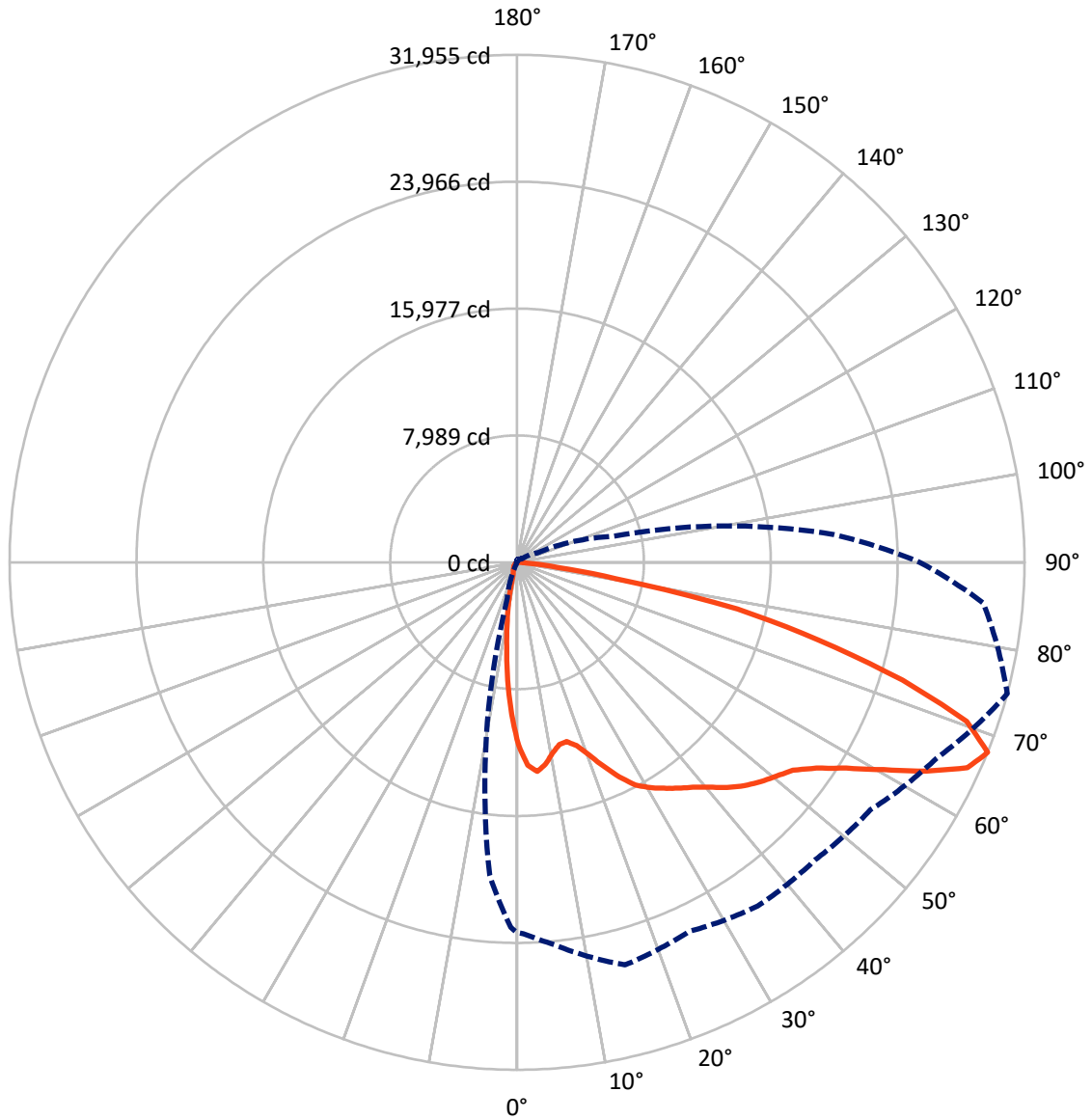
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.9 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	5162.7	0.0	5162.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	29241.3	0.0	29241.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	34404.0	0.0	34404.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.5	2.5
10°-20°	1723.9	5.0
20°-30°	2438.8	7.1
30°-40°	3585.7	10.4
40°-50°	5153.9	15.0
50°-60°	7255.3	21.1
60°-70°	8473.6	24.6
70°-80°	4322.9	12.6
80°-90°	574.3	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°	34404.0	100.0
0°-180°	34404.0	100.0

Coefficient of Utilization

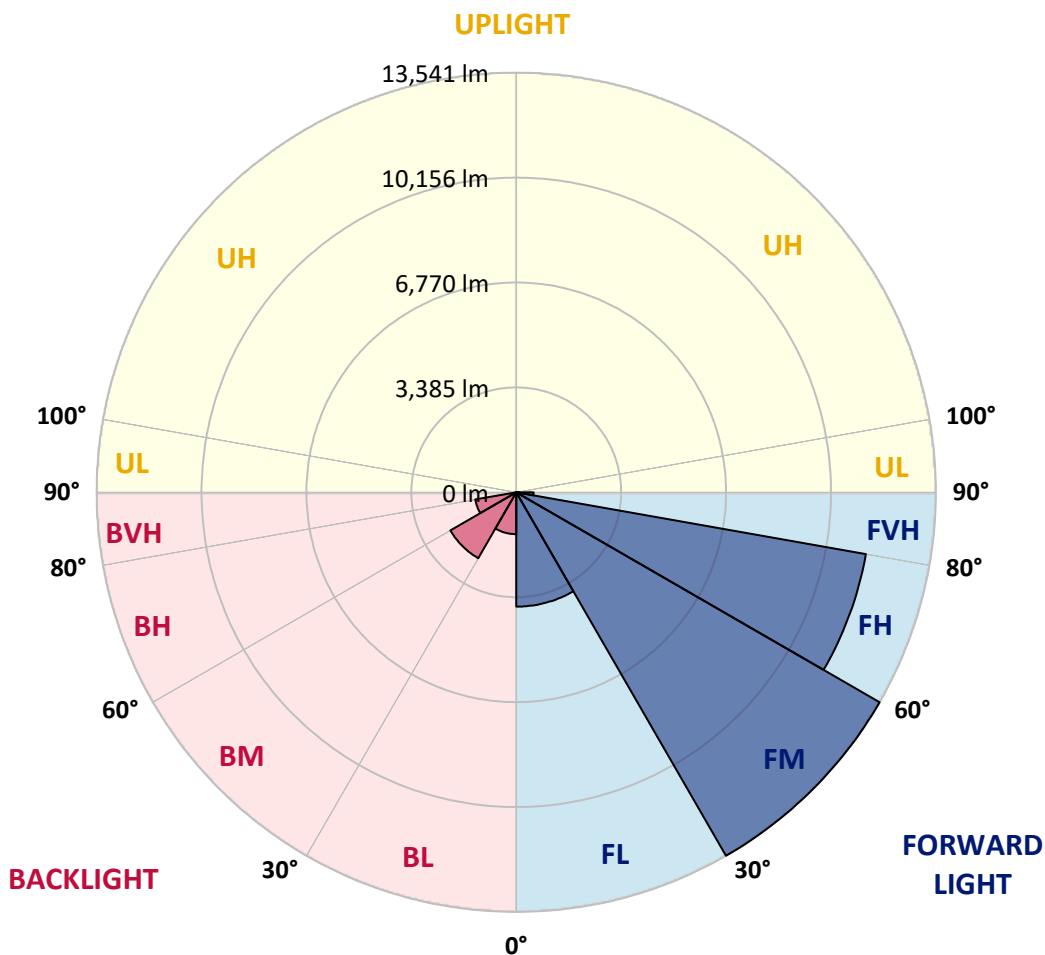


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3688.1	10.7			
FM (30°-60°)	13540.8	39.4			
FH (60°-80°)	11455.5	33.3			G4/12000
FVH (80°-90°)	556.9	1.6			G4/750
BL (0°-30°)	1350.1	3.9	B3/2500		
BM (30°-60°)	2454.2	7.1	B2/2500		
BH (60°-80°)	1341.0	3.9	B3/2500		G3/2500
BVH (80°-90°)	17.4	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0
2.5°	12511.7	12531.2	12632.3	12866.9	13122.8	13142.4	13315.1	13137.5	13077.2	12790.3	12493.7
5°	12606.2	12681.2	13028.3	13717.7	14315.8	14508.1	14645.0	14296.2	13929.6	13228.8	12480.7
7.5°	11845.1	11970.6	12516.5	13810.6	14879.7	15352.3	15442.0	14896.0	13998.0	12844.1	11719.6
10°	10870.5	11013.9	11672.3	13263.0	14731.4	15541.4	15665.2	14949.8	13659.0	12221.6	10896.6
12.5°	10081.7	10249.6	10922.6	12646.9	14221.3	15117.6	15362.1	14768.9	13365.7	11779.9	10334.3
15°	9718.3	9910.6	10617.9	12249.3	13655.8	14361.4	14563.5	14307.7	13202.7	11709.8	10203.9
17.5°	9926.9	10135.5	10865.6	12283.5	13124.4	13426.0	13588.9	13693.2	13202.7	12131.9	10585.3
20°	10782.5	11007.4	11779.9	12630.6	12684.4	12572.0	12746.3	13113.0	13355.9	12933.8	11501.2
22.5°	11965.7	12229.7	13101.6	13225.5	12469.3	12043.9	12066.7	12642.0	13634.6	13950.7	12772.4
25°	13408.0	13730.7	14617.3	14112.1	12558.9	11729.4	11721.2	12254.2	13906.7	14969.3	14188.7
27.5°	14840.6	15195.9	15974.9	15194.2	12928.9	11672.3	11656.0	12136.8	14172.4	15875.5	15735.3
30°	16041.7	16387.2	17058.7	15978.2	13328.2	11806.0	11727.7	12262.3	14330.5	16463.8	16863.1
32.5°	17019.6	17296.6	17839.3	16517.6	13755.2	12065.1	11895.6	12598.0	14599.4	16960.9	17899.6
35°	18095.2	18386.9	18603.7	17031.0	14234.3	12438.3	12195.5	13131.0	15013.3	17466.1	19035.6
37.5°	19322.4	19612.5	19586.4	17500.4	14842.2	13056.0	12901.2	13975.2	15657.1	17966.5	20303.5
40°	20523.6	20820.2	20608.3	18013.7	15556.1	14074.6	13960.5	15243.1	16519.2	18607.0	21789.9
42.5°	21648.1	21969.2	21516.1	18499.4	16406.8	15358.8	15554.4	16876.2	17598.1	19395.8	23070.9
45°	22554.2	22881.8	22277.2	18972.0	17303.2	16916.9	17505.2	18685.2	18895.4	20062.3	23936.3
47.5°	23212.7	23522.3	22805.2	19444.7	18450.5	18822.1	19847.2	20582.2	20067.2	20640.9	24550.7
50°	23633.1	23874.3	22960.0	20036.3	19956.4	21045.1	22287.0	22645.5	21170.6	21162.4	25297.1
52.5°	23900.4	24009.6	23074.1	20653.9	21527.5	23465.3	24676.2	24788.6	22306.5	21736.1	26302.7
55°	24821.2	24909.2	23882.5	21402.0	22826.4	25585.6	26837.2	26732.9	23592.4	22859.0	27489.1
57.5°	26392.3	26485.2	25553.0	22477.6	23877.6	26895.9	28403.4	28590.9	25099.9	24436.6	28760.4
60°	27181.1	27353.9	27021.4	23840.1	24896.2	27733.6	29470.9	30069.1	26983.9	26516.2	29992.5
62.5°	26465.7	26716.6	27199.0	25350.9	25908.3	28194.8	29803.4	30598.7	28913.6	28939.6	30751.9
65°	25038.0	25238.4	26056.6	26178.8	26495.0	28137.8	28982.0	29858.8	30095.1	31165.9	30711.2
67.5°	23313.7	23388.7	24082.9	26244.0	25644.3	26423.3	26514.5	27163.2	29161.3	31954.7	29477.5
70°	20831.6	20872.3	21478.6	24061.8	22037.6	22208.7	22073.5	22205.5	25070.6	30033.2	26363.0
72.5°	16765.3	16868.0	17730.1	19982.5	16054.8	15560.9	16623.5	16564.9	19307.8	25373.7	19579.9
75°	12343.8	12521.4	13823.6	16095.5	11268.2	10192.5	10968.3	11175.3	13725.8	19627.2	12244.4
77.5°	8642.6	8774.6	10036.1	11832.1	8155.3	7288.3	7008.0	7254.1	9059.8	14198.5	6168.6
80°	4978.9	5027.8	5832.9	6831.9	5495.5	6287.6	5696.0	5865.5	5428.7	6316.9	2653.2
82.5°	3257.9	3266.0	3580.6	4066.2	3422.5	3976.6	2943.3	3763.1	3339.4	2537.5	863.8
85°	1760.1	1769.9	2076.3	2886.3	1937.8	1095.2	643.8	1321.7	2064.9	581.8	236.3
87.5°	193.9	177.6	625.8	1049.6	537.8	99.4	34.2	148.3	330.8	37.5	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°	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0
2.5°	12342.2	12206.9	11869.5	11512.6	11225.8	10956.9	10686.3	10355.5	10099.6	10047.5	9962.7
5°	12078.1	11649.5	10942.2	10231.6	9659.6	8937.6	8479.6	8122.7	7774.0	7752.8	7682.7
7.5°	11155.7	10591.8	9596.0	8613.3	7808.2	7120.4	6426.1	5961.7	5596.6	5467.8	5391.2
10°	10269.1	9635.1	8391.6	7270.4	6551.6	5943.7	5454.8	4969.1	4529.1	4226.0	4089.1
12.5°	9649.8	8949.0	7578.4	6611.9	6096.9	5520.0	4923.5	4317.2	3810.4	3445.3	3222.0
15°	9410.2	8662.2	7306.2	6351.2	5715.6	4985.4	4222.7	3530.1	2967.8	2637.0	2436.5
17.5°	9695.4	8825.1	7285.0	6033.4	5145.1	4237.4	3394.8	2576.6	2047.0	1796.0	1667.2
20°	10419.0	9343.4	7276.9	5643.9	4467.2	3350.8	2299.6	1694.9	1373.9	1233.7	1173.4
22.5°	11442.5	10005.1	7342.1	5259.2	3761.5	2394.1	1587.4	1245.1	1080.5	1005.6	971.3
25°	12759.4	10934.1	7526.2	4910.5	3098.2	1786.2	1237.0	1043.0	927.3	868.7	844.2
27.5°	14162.6	12003.2	7813.1	4607.3	2558.7	1424.4	1059.3	893.1	810.0	769.2	746.4
30°	15319.7	13241.8	8103.2	4270.0	2167.6	1241.9	969.7	814.9	718.7	692.6	671.5
32.5°	16331.8	14178.9	8308.5	3965.2	1911.7	1103.3	876.8	728.5	663.3	612.8	590.0
35°	17379.8	14959.6	8302.0	3751.7	1735.7	999.0	798.6	651.9	573.7	515.0	497.1
37.5°	18514.1	15841.3	8160.2	3569.2	1659.1	915.9	754.6	611.2	532.9	474.3	451.4
40°	19842.3	16767.0	8015.2	3398.0	1637.9	849.1	723.6	578.6	495.4	438.4	415.6
42.5°	21136.3	17601.4	7888.0	3270.9	1546.6	847.5	695.9	554.1	466.1	410.7	384.6
45°	22171.2	18378.8	7863.6	3194.3	1450.5	876.8	681.2	537.8	443.3	387.9	363.4
47.5°	23031.8	19223.0	8020.0	3140.5	1359.2	800.2	717.1	526.4	422.1	368.3	340.6
50°	24055.2	20259.5	8388.4	3052.5	1263.1	720.4	821.4	529.7	404.2	348.8	319.4
52.5°	25482.9	21693.7	8929.4	2904.2	1131.1	647.0	808.4	532.9	384.6	327.6	298.2
55°	27083.3	23484.8	9511.3	2658.1	946.9	550.9	692.6	510.1	347.1	304.8	277.1
57.5°	28765.2	25109.7	9856.8	2364.8	752.9	475.9	554.1	464.5	306.4	273.8	255.9
60°	29029.3	25727.4	9698.7	2004.6	598.1	414.0	410.7	472.6	273.8	241.2	228.2
62.5°	28372.5	24951.6	8934.3	1683.5	500.3	363.4	337.4	412.3	247.7	215.1	202.1
65°	27109.4	22854.1	7695.7	1517.3	464.5	311.3	280.3	290.1	216.8	187.4	176.0
67.5°	25352.5	20054.2	6318.6	1422.8	459.6	267.3	239.6	220.0	187.4	163.0	153.2
70°	21760.5	16706.7	5040.8	1370.6	446.6	224.9	202.1	179.3	156.5	138.5	130.4
72.5°	16015.6	11838.6	3921.2	1313.6	449.8	179.3	176.0	148.3	125.5	107.6	104.3
75°	9253.8	6763.5	2571.8	1064.2	428.6	138.5	146.7	104.3	88.0	75.0	75.0
77.5°	4931.7	4124.9	979.5	443.3	156.5	88.0	83.1	61.9	55.4	45.6	44.0
80°	2149.7	1815.6	295.0	123.9	86.4	47.3	31.0	27.7	24.4	19.6	17.9
82.5°	761.1	656.8	96.2	60.3	37.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	172.8	123.9	0.0	14.7	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°	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0
2.5°	9790.0	9754.1	9542.2	9550.4	9587.9	9641.7	9514.5	9573.2	9731.3	9882.9	9939.9
5°	7570.2	7578.4	7449.6	7529.5	7601.2	7650.1	7444.7	7448.0	7573.5	7744.6	7834.3
7.5°	5334.2	5321.2	5327.7	5518.4	5653.6	5555.8	5632.4	5366.8	5383.1	5505.3	5414.1
10°	3965.2	3785.9	3684.9	3828.3	3976.6	3922.8	3790.8	3704.4	3764.7	3900.0	3890.2
12.5°	3116.1	2858.6	2707.0	2604.4	2726.6	2625.5	2622.3	2547.3	2465.8	2480.5	2697.3
15°	2343.6	2156.2	1976.9	1812.3	1809.0	1774.8	1600.4	1404.9	1388.6	1398.3	1510.8
17.5°	1611.8	1548.3	1474.9	1333.1	1295.7	1152.2	982.7	904.5	865.4	883.3	920.8
20°	1132.7	1108.2	1116.4	1039.8	986.0	849.1	749.7	718.7	712.2	730.1	748.1
22.5°	938.7	894.7	889.8	855.6	801.8	702.4	648.6	630.7	622.6	638.9	651.9
25°	821.4	777.4	759.5	738.3	681.2	612.8	580.2	563.9	555.7	565.5	573.7
27.5°	723.6	682.9	666.6	651.9	596.5	547.6	521.5	506.9	500.3	503.6	511.7
30°	650.3	614.4	593.2	575.3	528.0	493.8	471.0	456.3	449.8	449.8	458.0
32.5°	573.7	554.1	534.6	511.7	467.7	444.9	422.1	405.8	399.3	400.9	407.4
35°	477.5	471.0	475.9	454.7	417.2	397.7	374.8	356.9	352.0	353.7	360.2
37.5°	423.7	394.4	412.3	400.9	379.7	353.7	324.3	308.0	299.9	304.8	308.0
40°	389.5	353.7	340.6	352.0	348.8	306.4	280.3	264.0	257.5	259.1	262.4
42.5°	360.2	317.8	288.5	286.8	306.4	267.3	239.6	224.9	216.8	216.8	220.0
45°	332.5	286.8	251.0	223.3	257.5	226.5	200.5	187.4	177.6	177.6	179.3
47.5°	311.3	260.8	218.4	182.5	193.9	185.8	164.6	151.6	141.8	141.8	143.4
50°	291.7	234.7	189.1	153.2	145.0	153.2	133.6	119.0	112.5	110.8	114.1
52.5°	270.5	208.6	161.3	130.4	114.1	115.7	104.3	94.5	86.4	86.4	89.6
55°	249.4	187.4	140.2	110.8	94.5	86.4	83.1	76.6	70.1	70.1	73.3
57.5°	228.2	164.6	119.0	91.3	75.0	68.4	68.4	63.6	58.7	58.7	61.9
60°	208.6	141.8	97.8	75.0	58.7	57.0	58.7	53.8	50.5	50.5	53.8
62.5°	185.8	120.6	79.9	61.9	47.3	45.6	50.5	47.3	44.0	44.0	47.3
65°	158.1	102.7	63.6	47.3	35.9	35.9	42.4	39.1	35.9	35.9	39.1
67.5°	133.6	86.4	48.9	34.2	26.1	27.7	35.9	32.6	31.0	31.0	34.2
70°	110.8	66.8	34.2	21.2	14.7	21.2	27.7	27.7	27.7	27.7	31.0
72.5°	83.1	45.6	19.6	8.1	6.5	14.7	22.8	26.1	24.4	24.4	29.3
75°	53.8	26.1	6.5	0.0	0.0	8.1	17.9	21.2	21.2	19.6	24.4
77.5°	31.0	8.1	0.0	0.0	0.0	0.0	11.4	9.8	8.1	6.5	11.4
80°	8.1	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-SA6D-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0	11542.0
2.5°	10169.7	10362.0	10632.5	10919.4	11361.1	11711.4	12055.3	12350.3	12464.4	12511.7
5°	8049.4	8331.3	8727.4	9235.8	10032.8	10749.9	11476.8	12208.5	12526.3	12606.2
7.5°	5775.9	6136.0	6639.6	7276.9	8210.7	9139.7	10155.0	11229.0	11721.2	11845.1
10°	4274.9	4714.9	5291.8	5963.3	6854.8	7809.8	8916.4	10143.6	10705.9	10870.5
12.5°	3033.0	3627.8	4400.3	5216.9	5989.4	6841.7	7961.4	9314.1	9904.0	10081.7
15°	1781.3	2356.6	3270.9	4364.5	5353.8	6217.5	7355.1	8888.7	9539.0	9718.3
17.5°	1021.9	1308.7	1999.7	3218.8	4561.7	5757.9	7164.4	8994.6	9760.6	9926.9
20°	780.7	871.9	1152.2	2073.1	3636.0	5306.5	7164.4	9594.4	10538.0	10782.5
22.5°	682.9	749.7	863.8	1237.0	2676.1	4822.5	7247.5	10461.4	11695.2	11965.7
25°	606.3	666.6	764.4	930.6	1825.3	4247.2	7444.7	11525.7	13057.6	13408.0
27.5°	542.7	599.8	687.8	814.9	1248.4	3552.9	7710.4	12774.1	14560.3	14840.6
30°	485.7	539.5	619.3	708.9	963.2	2765.7	7936.9	13950.7	15740.2	16041.7
32.5°	431.9	480.8	552.5	619.3	788.8	2045.3	7961.4	14883.0	16719.7	17019.6
35°	381.4	425.4	490.6	542.7	653.5	1615.1	7581.6	15691.3	17699.2	18095.2
37.5°	332.5	374.8	431.9	471.0	575.3	1316.8	7001.4	16592.6	18955.7	19322.4
40°	286.8	324.3	383.0	409.1	544.3	1012.1	6370.7	17537.8	20187.8	20523.6
42.5°	244.5	280.3	337.4	387.9	477.5	756.2	5689.5	18424.4	21296.1	21648.1
45°	203.7	241.2	298.2	410.7	396.0	565.5	4961.0	19012.8	22171.2	22554.2
47.5°	164.6	207.0	285.2	391.1	316.2	415.6	4384.1	19570.1	22834.6	23212.7
50°	132.0	174.4	321.1	348.8	259.1	317.8	4142.8	20068.9	23269.7	23633.1
52.5°	107.6	146.7	303.1	267.3	216.8	262.4	4273.2	20877.2	23672.3	23900.4
55°	89.6	115.7	182.5	185.8	184.2	223.3	4434.6	22037.6	24713.7	24821.2
57.5°	78.2	92.9	127.1	143.4	154.8	198.8	4437.8	23703.2	26325.5	26392.3
60°	66.8	81.5	105.9	115.7	133.6	177.6	4276.5	24285.0	26959.5	27181.1
62.5°	58.7	71.7	88.0	96.2	112.5	159.7	3898.4	23442.5	26089.2	26465.7
65°	52.2	65.2	73.3	81.5	99.4	143.4	3275.8	21757.3	24645.2	25038.0
67.5°	45.6	57.0	65.2	73.3	89.6	127.1	2412.0	19799.9	22987.8	23313.7
70°	40.7	50.5	58.7	65.2	78.2	107.6	1463.5	16801.2	20696.3	20831.6
72.5°	39.1	45.6	53.8	58.7	68.4	94.5	741.5	12347.1	16545.3	16765.3
75°	34.2	40.7	48.9	52.2	60.3	81.5	301.5	8109.7	11990.1	12343.8
77.5°	27.7	37.5	44.0	47.3	52.2	66.8	153.2	5182.6	8414.4	8642.6
80°	9.8	27.7	37.5	39.1	44.0	48.9	101.0	2837.4	4881.1	4978.9
82.5°	0.0	17.9	29.3	27.7	31.0	37.5	65.2	1349.4	3222.0	3257.9
85°	0.0	8.1	22.8	17.9	13.0	26.1	22.8	295.0	1690.1	1760.1
87.5°	0.0	0.0	1.6	8.1	6.5	9.8	3.3	1.6	153.2	193.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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