

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: P324480

Luminaire Tested: **GAN-SA6B-740-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324480
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-SA6B-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA 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: 25336 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

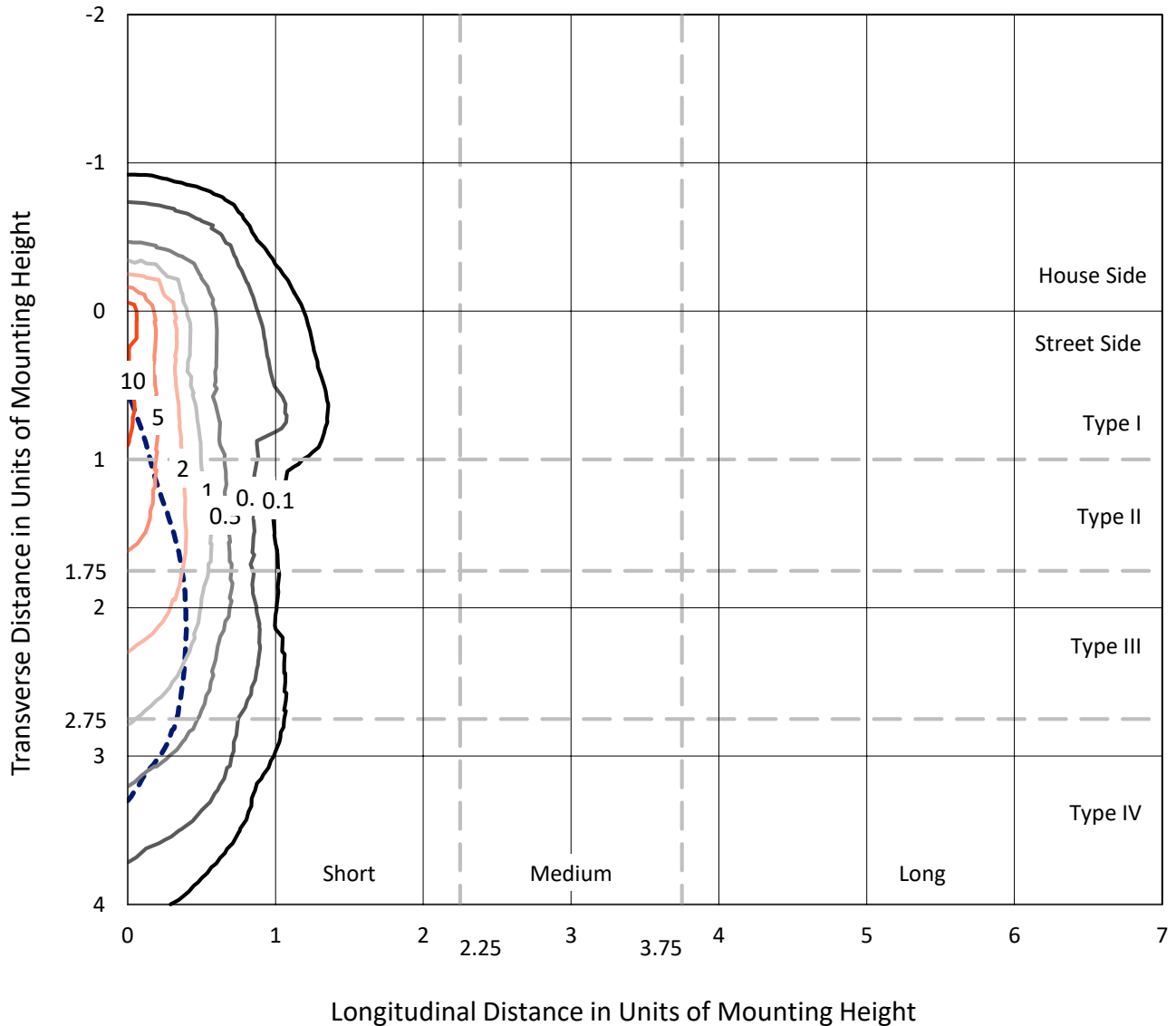
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

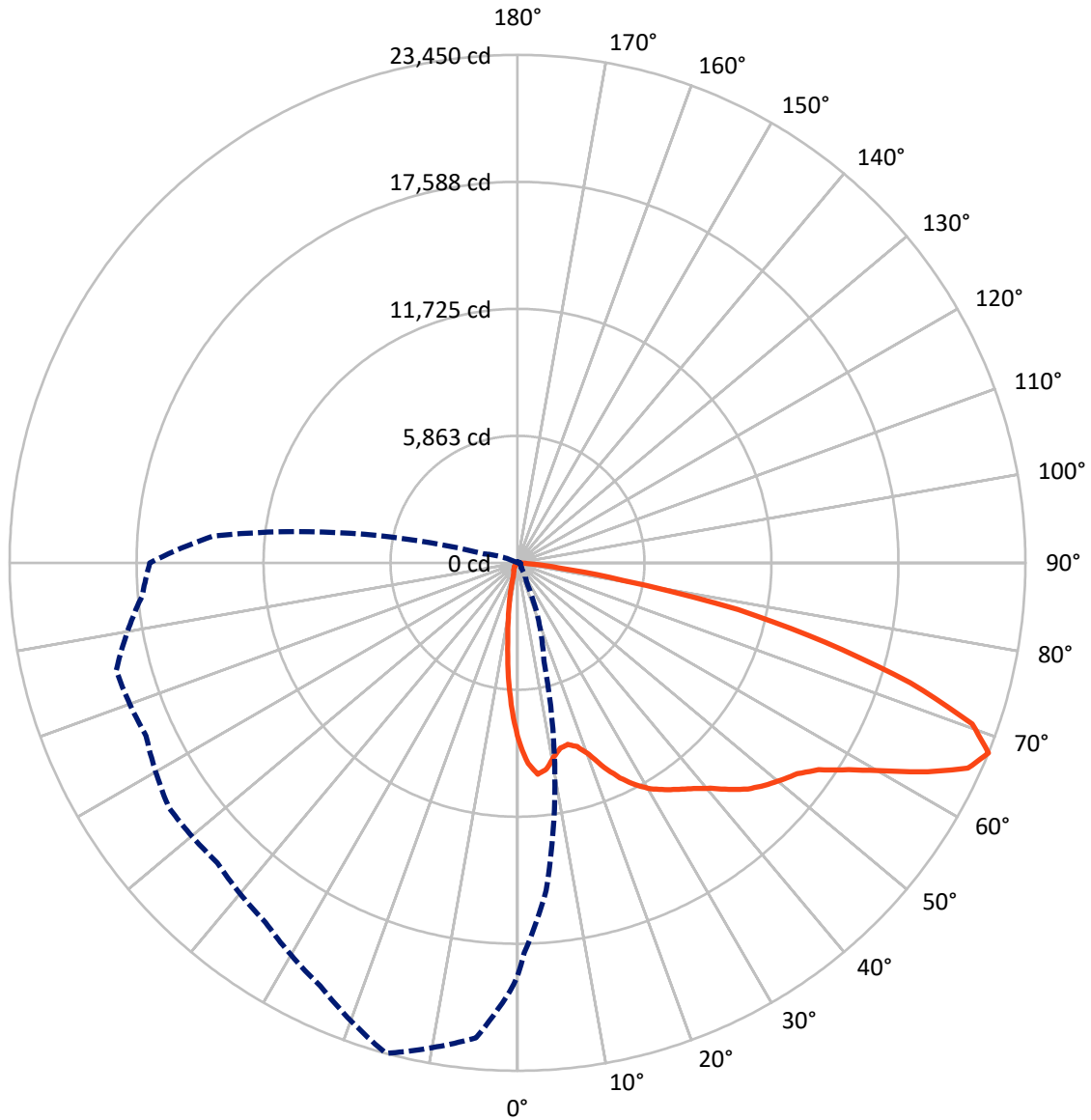
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3066.5	0.0	3066.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	22269.5	0.0	22269.5
	% Fixture	87.9	0.0	87.9
Total	Lumens	25336.0	0.0	25336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.4	2.5
10°-20°	1260.8	5.0
20°-30°	1790.4	7.1
30°-40°	2644.5	10.4
40°-50°	3813.9	15.1
50°-60°	5353.9	21.1
60°-70°	6241.1	24.6
70°-80°	3190.6	12.6
80°-90°	407.5	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°	25336.0	100.0
0°-180°	25336.0	100.0

Coefficient of Utilization

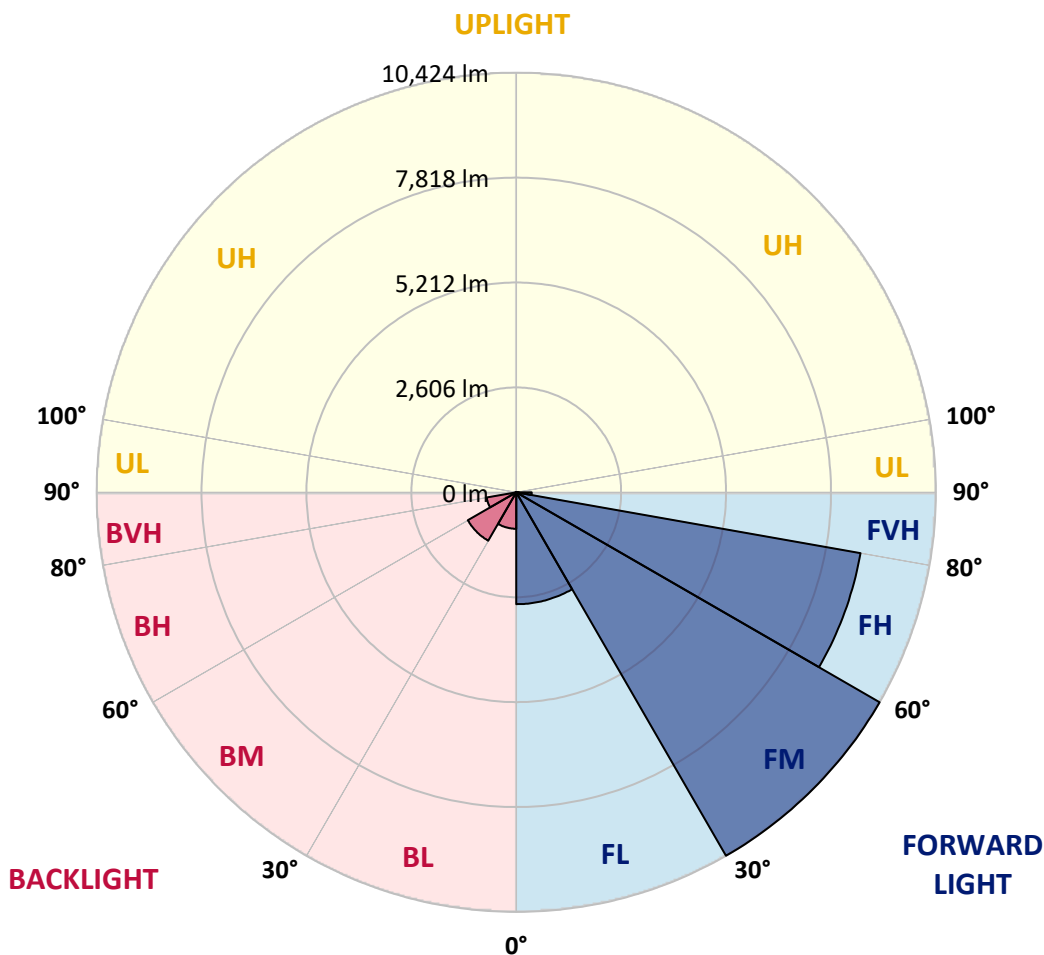


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2778.9	11.0			
FM (30°-60°)	10423.6	41.1			
FH (60°-80°)	8684.3	34.3			G4/12000
FVH (80°-90°)	382.7	1.5			G3/500
BL (0°-30°)	905.7	3.6	B2/1000		
BM (30°-60°)	1388.6	5.5	B2/2500		
BH (60°-80°)	747.4	2.9	B2/1000		G2/1000
BVH (80°-90°)	24.8	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-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2
2.5°	9036.9	8967.3	8890.5	8639.6	8406.8	8140.3	7923.1	7771.8	7582.2	7336.1	7273.7
5°	8972.1	8897.7	8656.5	8098.3	7609.8	7134.5	6676.0	6407.1	6073.4	5735.0	5650.9
7.5°	8320.4	8242.4	7894.3	7129.7	6471.9	5785.4	5190.0	4821.5	4444.7	4135.0	3970.5
10°	7642.2	7557.0	7165.7	6237.9	5427.7	4807.1	4370.2	4018.6	3662.1	3330.8	3066.7
12.5°	7175.3	7063.7	6638.8	5587.3	4881.6	4460.3	4052.2	3630.9	3148.3	2793.1	2502.6
15°	6979.7	6852.4	6403.5	5336.5	4688.3	4193.8	3662.1	3144.7	2579.4	2172.5	1906.1
17.5°	7130.9	6965.2	6483.9	5319.7	4445.9	3772.5	3100.3	2493.0	1879.6	1467.9	1278.3
20°	7644.6	7427.4	6816.4	5314.9	4151.8	3272.0	2419.8	1733.2	1238.7	996.2	896.6
22.5°	8453.6	8166.7	7294.1	5353.3	3848.1	2746.3	1747.6	1177.5	930.2	804.2	745.4
25°	9430.6	9098.2	7981.9	5488.9	3581.6	2234.9	1269.9	930.2	785.0	692.6	643.4
27.5°	10359.7	10089.6	8850.9	5684.5	3375.2	1822.0	1031.0	788.6	671.0	609.7	570.1
30°	11287.5	10947.8	9742.7	5917.4	3126.7	1542.4	906.2	719.0	601.3	536.5	511.3
32.5°	11962.0	11680.0	10441.3	6085.4	2861.5	1359.9	810.2	657.8	561.7	495.7	458.5
35°	12755.4	12436.1	11040.2	6122.7	2691.0	1244.7	728.6	591.7	487.3	428.5	388.9
37.5°	13612.4	13215.1	11731.6	6041.0	2557.8	1188.3	667.4	561.7	454.9	394.9	352.9
40°	14560.6	14111.7	12395.3	5923.4	2427.0	1169.1	620.5	538.9	429.7	368.5	325.3
42.5°	15559.3	15030.0	12970.3	5799.8	2344.2	1103.1	615.7	516.1	410.5	344.5	301.3
45°	16398.3	15861.8	13560.8	5759.0	2285.3	1031.0	636.2	500.5	397.3	325.3	283.3
47.5°	17066.8	16559.1	14165.8	5850.2	2251.7	965.0	579.7	520.9	390.1	308.5	267.7
50°	17865.0	17290.1	15018.0	6122.7	2202.5	899.0	524.5	596.5	390.1	297.7	254.5
52.5°	18866.1	18297.1	15968.6	6545.2	2104.1	807.8	471.7	597.7	393.7	283.3	237.7
55°	20125.2	19712.3	17326.1	7008.5	1946.9	673.4	408.1	513.7	379.3	256.9	222.1
57.5°	21332.7	20995.4	18563.6	7325.3	1736.8	525.7	355.3	414.1	346.9	225.7	198.0
59°	21662.7	21294.2	19017.3	7339.7	1579.6	458.5	328.9	342.1	339.7	211.3	183.6
60°	21662.7	21271.4	19148.1	7262.9	1465.5	421.3	312.1	304.9	354.1	201.6	175.2
62.5°	21270.2	20720.5	18723.2	6743.2	1195.5	358.9	272.5	252.1	318.1	181.2	154.8
65°	20454.0	19653.5	17275.7	5803.4	1065.9	328.9	235.3	206.4	220.9	159.6	135.6
67.5°	19092.9	18007.9	15188.4	4688.3	1014.2	320.5	202.8	175.2	166.8	136.8	118.8
70°	16696.0	15492.1	12654.6	3686.1	969.8	316.9	170.4	147.6	134.4	115.2	100.8
72.5°	12151.7	10896.2	8984.1	2881.9	943.4	324.1	136.8	123.6	110.4	90.0	78.0
75°	6950.8	6128.7	5049.6	1903.7	804.2	309.7	105.6	103.2	79.2	64.8	54.0
77.5°	3591.3	3482.0	3025.9	731.0	385.3	135.6	69.6	60.0	46.8	39.6	32.4
80°	1549.6	1532.8	1326.3	211.3	102.0	75.6	39.6	25.2	21.6	16.8	13.2
82.5°	535.3	535.3	471.7	70.8	45.6	37.2	4.8	0.0	0.0	0.0	0.0
85°	108.0	121.2	85.2	0.0	15.6	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°	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2
2.5°	7198.1	7052.9	7043.3	6952.0	6838.0	6786.4	6756.4	6809.2	6874.0	6881.2	6978.5
5°	5587.3	5434.9	5498.5	5336.5	5368.9	5336.5	5283.7	5293.3	5322.1	5232.0	5343.7
7.5°	3923.7	3808.5	3881.7	3838.5	3896.1	3918.9	3886.5	3838.5	3696.9	3680.1	3777.3
10°	2957.5	2826.7	2748.7	2667.0	2685.0	2722.2	2710.2	2675.4	2585.4	2590.2	2683.8
12.5°	2376.6	2230.1	2075.3	1874.8	1825.6	1853.2	1825.6	1805.2	1718.8	1726.0	1808.8
15°	1802.8	1682.8	1520.8	1359.9	1272.3	1280.7	1203.9	1149.9	1095.9	1031.0	1081.5
17.5°	1217.1	1143.9	1095.9	1047.8	943.4	919.4	822.2	717.8	677.0	647.0	668.6
20°	861.8	822.2	803.0	800.6	740.6	710.6	615.7	550.9	530.5	524.5	537.7
22.5°	720.2	691.4	663.8	648.2	618.1	583.3	511.3	478.9	464.5	457.3	466.9
25°	626.5	604.9	576.1	549.7	537.7	500.5	448.9	424.9	415.3	408.1	412.9
27.5°	556.9	537.7	504.1	487.3	477.7	445.3	400.9	381.7	373.3	370.9	369.7
30°	501.7	483.7	452.5	433.3	416.5	387.7	361.3	342.1	333.7	331.3	328.9
32.5°	446.5	432.1	411.7	392.5	374.5	348.1	325.3	309.7	296.5	294.1	292.9
35°	376.9	362.5	351.7	350.5	333.7	308.5	291.7	271.3	260.5	256.9	258.1
37.5°	334.9	315.7	291.7	300.1	295.3	277.3	254.5	234.1	223.3	220.9	220.9
40°	308.5	288.1	260.5	246.1	260.5	256.9	220.9	200.4	189.6	188.4	186.0
42.5°	283.3	262.9	231.7	207.6	214.9	225.7	190.8	171.6	160.8	158.4	154.8
45°	265.3	243.7	208.8	181.2	166.8	189.6	163.2	139.2	133.2	128.4	126.0
47.5°	248.5	228.1	188.4	157.2	133.2	136.8	130.8	114.0	106.8	102.0	100.8
50°	234.1	212.5	170.4	134.4	110.4	100.8	105.6	90.0	84.0	79.2	76.8
52.5°	217.3	196.8	151.2	116.4	92.4	79.2	80.4	70.8	64.8	61.2	60.0
55°	204.0	183.6	135.6	102.0	81.6	64.8	57.6	55.2	51.6	49.2	48.0
57.5°	186.0	166.8	120.0	86.4	69.6	52.8	44.4	44.4	43.2	40.8	39.6
59°	175.2	158.4	110.4	78.0	63.6	45.6	39.6	40.8	39.6	37.2	36.0
60°	166.8	151.2	103.2	72.0	60.0	42.0	36.0	38.4	37.2	34.8	33.6
62.5°	147.6	136.8	88.8	60.0	52.8	33.6	30.0	32.4	32.4	31.2	30.0
65°	129.6	117.6	75.6	50.4	49.2	28.8	24.0	28.8	30.0	27.6	25.2
67.5°	112.8	100.8	66.0	40.8	45.6	22.8	18.0	24.0	32.4	25.2	22.8
70°	96.0	84.0	51.6	32.4	48.0	15.6	14.4	21.6	38.4	27.6	21.6
72.5°	74.4	64.8	36.0	24.0	51.6	10.8	10.8	18.0	43.2	30.0	20.4
75°	51.6	42.0	21.6	14.4	42.0	7.2	7.2	16.8	40.8	27.6	19.2
77.5°	30.0	22.8	7.2	1.2	21.6	0.0	1.2	12.0	28.8	16.8	8.4
80°	10.8	4.8	0.0	0.0	13.2	0.0	0.0	0.0	2.4	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°	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2
2.5°	7003.7	7165.7	7310.9	7530.6	7791.0	8091.1	8349.2	8626.4	8886.9	8994.9	9069.3
5°	5366.5	5566.9	5801.0	6123.9	6553.6	7082.9	7578.6	8139.1	8741.7	9042.9	9326.2
7.5°	3794.1	3998.1	4288.6	4631.9	5151.6	5781.8	6429.9	7204.1	8020.3	8496.8	8966.1
10°	2728.2	2979.1	3250.4	3719.7	4247.8	4845.5	5512.9	6377.1	7286.9	7815.1	8380.4
12.5°	1856.8	2142.5	2553.0	3078.7	3699.3	4285.0	4864.8	5689.3	6745.6	7268.9	7875.1
15°	1113.9	1272.3	1706.8	2315.3	3076.3	3806.1	4441.1	5268.0	6393.9	7034.9	7665.0
17.5°	686.6	759.8	996.2	1495.6	2294.9	3218.0	4088.2	5125.2	6444.3	7224.5	7899.1
20°	547.3	576.1	651.8	883.4	1520.8	2569.8	3690.9	5096.4	6856.0	7816.3	8540.0
22.5°	475.3	502.9	553.3	642.2	956.6	1924.1	3314.0	5122.8	7446.6	8703.3	9548.3
25°	418.9	442.9	490.9	564.1	701.0	1355.1	2910.7	5240.4	8215.9	9803.9	10701.7
27.5°	374.5	394.9	439.3	506.5	601.3	945.8	2453.4	5383.3	9128.2	10929.8	11815.6
30°	333.7	351.7	391.3	453.7	522.1	727.4	1951.7	5480.5	10041.6	11815.6	12611.4
32.5°	298.9	312.1	348.1	400.9	453.7	579.7	1483.6	5464.9	10719.7	12552.6	13183.9
35°	262.9	276.1	307.3	352.9	394.9	478.9	1166.7	5173.2	11310.3	13317.2	13839.3
37.5°	223.3	240.1	270.1	310.9	339.7	421.3	943.4	4821.5	11909.2	14191.0	14570.3
40°	189.6	206.4	232.9	277.3	295.3	399.7	725.0	4393.0	12582.6	15168.0	15372.0
42.5°	157.2	172.8	200.4	238.9	278.5	344.5	536.5	3903.3	13229.5	16003.4	16103.0
45°	127.2	142.8	171.6	210.0	297.7	285.7	415.3	3378.8	13751.7	16698.4	16730.8
47.5°	100.8	115.2	145.2	198.0	277.3	228.1	296.5	2967.1	14189.8	17240.9	17155.7
50°	78.0	90.0	121.2	226.9	242.5	188.4	224.5	2830.3	14582.3	17577.0	17356.1
52.5°	61.2	72.0	99.6	212.5	188.4	156.0	188.4	2958.7	15120.0	17855.4	17468.9
55°	49.2	60.0	78.0	121.2	128.4	132.0	160.8	3078.7	16047.8	18508.4	18135.1
57.5°	40.8	51.6	63.6	85.2	97.2	111.6	142.8	3091.9	17141.3	19593.4	19240.6
59°	37.2	46.8	57.6	75.6	85.2	102.0	134.4	3019.9	17526.6	19988.3	19811.9
60°	34.8	44.4	54.0	69.6	79.2	96.0	129.6	2951.5	17543.4	19973.9	20055.6
62.5°	30.0	39.6	48.0	58.8	67.2	81.6	116.4	2698.2	16832.8	19319.8	19909.1
65°	26.4	34.8	43.2	50.4	57.6	73.2	105.6	2236.1	15619.3	18264.7	18906.9
67.5°	24.0	30.0	39.6	44.4	51.6	64.8	93.6	1594.0	14103.3	16974.4	17390.9
70°	21.6	28.8	36.0	40.8	46.8	56.4	80.4	915.8	11909.2	15085.2	15381.6
72.5°	20.4	27.6	32.4	38.4	42.0	50.4	73.2	430.9	8720.1	12084.5	12858.6
75°	18.0	25.2	30.0	36.0	39.6	45.6	62.4	206.4	5799.8	8745.3	9625.1
77.5°	10.8	20.4	27.6	32.4	34.8	39.6	51.6	118.8	3701.7	6053.0	7129.7
80°	0.0	7.2	20.4	27.6	30.0	33.6	39.6	93.6	1980.5	3458.0	4150.6
82.5°	0.0	0.0	14.4	21.6	20.4	22.8	30.0	58.8	893.0	2260.1	2547.0
85°	0.0	0.0	4.8	16.8	14.4	10.8	20.4	20.4	195.6	1143.9	1427.1
87.5°	0.0	0.0	0.0	1.2	7.2	4.8	8.4	2.4	1.2	85.2	345.7
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-SA6B-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2	8253.2
2.5°	9329.8	9418.6	9568.7	9639.5	9604.7	9457.0	9280.6	9100.6	8994.9	9036.9
5°	9903.5	10360.9	10624.9	10712.5	10566.1	10234.8	9801.5	9230.2	9027.3	8972.1
7.5°	9903.5	10764.1	11309.1	11405.1	11078.6	10429.3	9616.7	8724.9	8428.4	8320.4
10°	9555.5	10726.9	11486.7	11639.2	11183.0	10212.0	9123.4	8105.5	7753.8	7642.2
12.5°	9163.0	10424.5	11225.1	11435.1	11060.6	9996.0	8781.3	7686.6	7272.5	7175.3
15°	8921.7	10052.4	10714.9	10867.4	10708.9	9869.9	8699.7	7560.6	7073.3	6979.7
17.5°	9008.1	9764.3	10003.2	10092.0	10198.8	9825.5	8921.7	7836.7	7219.7	7130.9
20°	9333.4	9460.6	9337.0	9448.6	9736.7	9868.7	9451.0	8504.0	7763.4	7644.6
22.5°	9885.5	9303.4	8956.5	9000.9	9351.4	10011.6	10260.0	9457.0	8602.4	8453.6
25°	10528.9	9430.6	8745.3	8705.7	9065.7	10200.0	10999.4	10494.1	9595.1	9430.6
27.5°	11337.9	9716.3	8702.1	8662.5	8966.1	10376.5	11614.0	11519.1	10640.5	10359.7
30°	11962.0	9997.2	8830.5	8739.3	9065.7	10498.9	12107.3	12389.3	11473.5	11287.5
32.5°	12409.7	10328.4	9039.3	8907.3	9346.6	10710.1	12487.8	13186.3	12244.1	11962.0
35°	12750.6	10688.5	9376.6	9159.4	9733.1	11030.6	12844.2	14034.9	13063.9	12755.4
37.5°	13069.9	11193.9	9903.5	9644.3	10339.2	11546.7	13221.1	14997.6	13980.9	13612.4
40°	13515.2	11766.4	10716.1	10485.7	11358.3	12250.1	13691.6	16001.0	15024.0	14560.6
42.5°	13960.5	12380.9	11547.9	11610.4	12629.4	13104.7	14299.0	17062.0	16053.8	15559.3
45°	14367.4	13014.7	12732.6	13020.7	13809.3	14042.1	14902.7	17675.4	16876.0	16398.3
47.5°	14729.9	13806.9	13910.1	14677.1	15151.2	14890.7	15354.0	18204.7	17488.1	17066.8
50°	15151.2	14831.9	15462.1	16547.1	16696.0	15658.9	15764.5	18831.3	18203.5	17865.0
52.5°	15612.1	15912.2	17180.9	18137.5	18089.5	16493.1	16177.4	19533.4	19184.1	18866.1
55°	16135.4	16784.8	18694.4	19625.8	19585.0	17424.5	16861.6	20401.2	20413.2	20125.2
57.5°	16912.0	17536.2	19721.9	20829.7	20898.2	18500.0	18021.1	21373.5	21524.7	21332.7
59°	17468.9	18023.5	20128.8	21332.7	21611.1	19331.8	18868.5	21937.6	21838.0	21662.7
60°	17881.8	18333.1	20330.4	21595.5	22025.2	19895.9	19493.8	22268.9	21875.2	21662.7
62.5°	18903.3	19007.7	20694.1	21893.2	22501.7	21149.0	21253.4	22833.0	21617.1	21270.2
65°	19379.8	19433.8	20689.3	21360.3	22040.8	22124.8	22849.8	22849.8	20987.0	20454.0
67.5°	19180.5	18920.1	19663.1	19593.4	20272.8	21545.1	23450.0	22012.0	19781.9	19092.9
70°	17560.2	16557.9	16227.8	16257.9	16777.6	18740.0	22261.7	19546.6	17501.3	16696.0
72.5°	14611.1	12206.9	11391.9	12322.1	12457.8	14402.2	18971.7	14720.3	12906.7	12151.7
75°	11752.0	8604.8	7279.7	8261.6	8492.0	10539.7	14675.9	9167.8	7539.0	6950.8
77.5°	8442.8	6176.7	5223.6	5155.2	5452.9	6684.4	10413.7	4613.9	3848.1	3591.3
80°	4796.3	4065.4	4377.4	4130.2	4280.2	4179.4	4947.6	2023.7	1657.6	1549.6
82.5°	2895.1	2403.0	2602.2	2166.5	2741.4	2387.4	1906.1	648.2	562.9	535.3
85°	1883.2	1313.1	684.2	458.5	944.6	1525.6	426.1	176.4	135.6	108.0
87.5°	649.4	334.9	33.6	14.4	100.8	284.5	15.6	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)