

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: P324162

Luminaire Tested: **GAN-SA8B-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324162
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-SA8B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 800mA 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: 33954 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

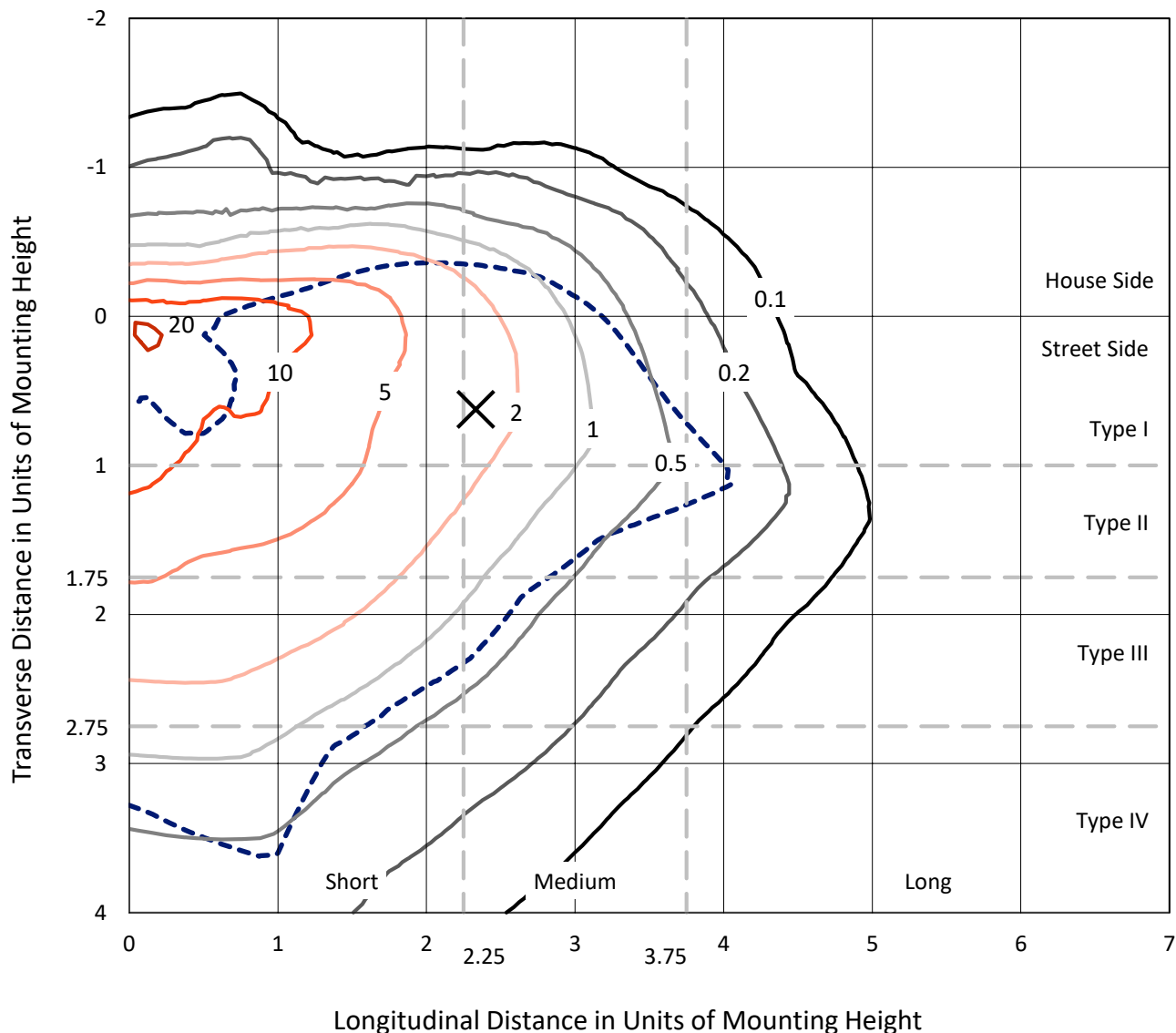
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

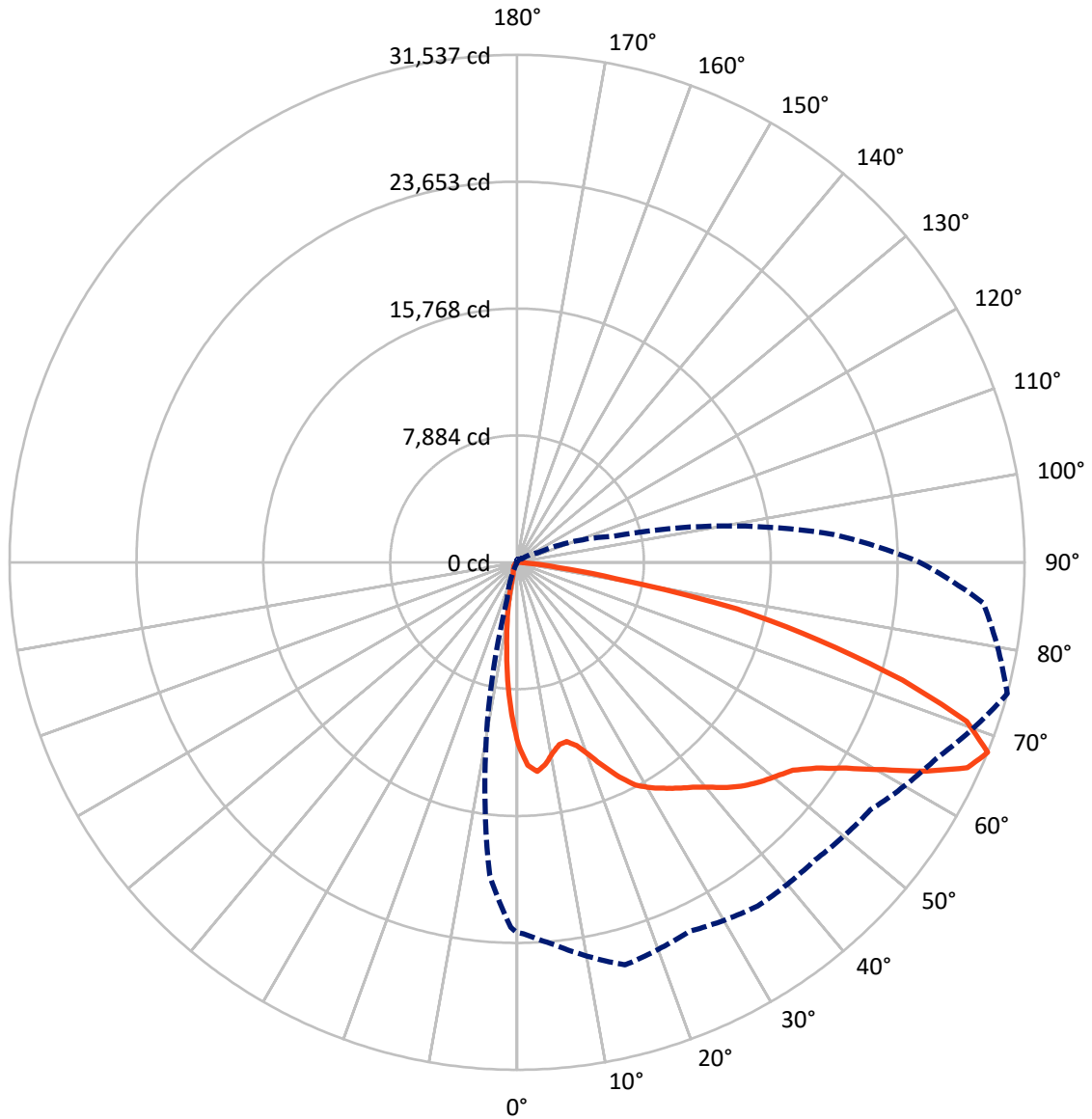
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.6 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	5095.1	0.0	5095.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	28858.9	0.0	28858.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	33954.0	0.0	33954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.1	2.5
10°-20°	1701.3	5.0
20°-30°	2406.9	7.1
30°-40°	3538.8	10.4
40°-50°	5086.5	15.0
50°-60°	7160.4	21.1
60°-70°	8362.8	24.6
70°-80°	4266.4	12.6
80°-90°	566.8	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°	33954.0	100.0
0°-180°	33954.0	100.0

Coefficient of Utilization

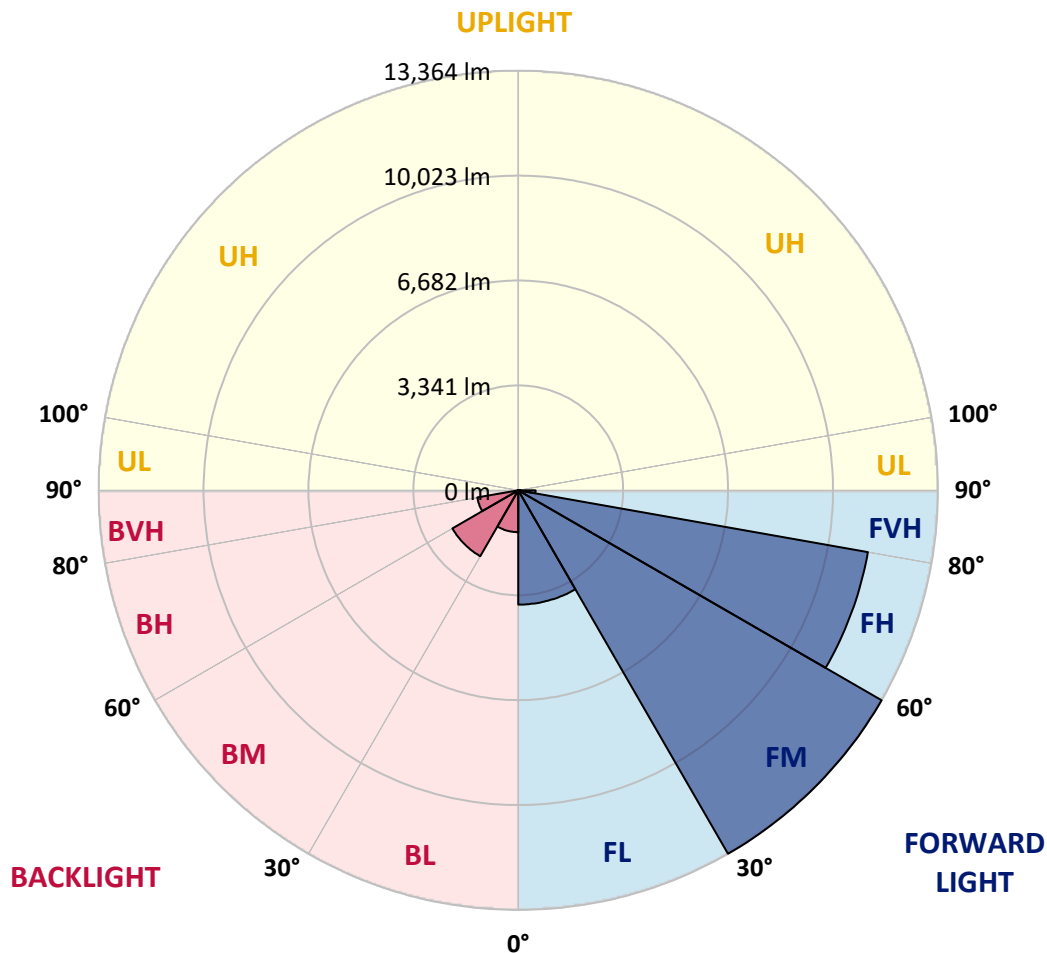


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3639.9	10.7			
FM (30°-60°)	13363.7	39.4			
FH (60°-80°)	11305.7	33.3			G4/12000
FVH (80°-90°)	549.6	1.6			G4/750
BL (0°-30°)	1332.4	3.9	B3/2500		
BM (30°-60°)	2422.1	7.1	B2/2500		
BH (60°-80°)	1323.4	3.9	B3/2500		G3/2500
BVH (80°-90°)	17.2	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°	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0
2.5°	12348.0	12367.3	12467.0	12698.6	12951.2	12970.5	13141.0	12965.7	12906.1	12623.1	12330.3
5°	12441.3	12515.3	12857.9	13538.3	14128.6	14318.4	14453.5	14109.3	13747.4	13055.7	12317.4
7.5°	11690.2	11814.0	12352.8	13629.9	14685.1	15151.5	15240.0	14701.2	13814.9	12676.1	11566.3
10°	10728.3	10869.9	11519.7	13089.5	14538.7	15338.1	15460.3	14754.2	13480.4	12061.7	10754.0
12.5°	9949.8	10115.5	10779.8	12481.5	14035.3	14919.9	15161.2	14575.7	13190.8	11625.8	10199.1
15°	9591.1	9780.9	10479.0	12089.1	13477.1	14173.6	14373.0	14120.5	13030.0	11556.7	10070.5
17.5°	9797.0	10002.9	10723.5	12122.8	12952.8	13250.3	13411.2	13514.1	13030.0	11973.2	10446.8
20°	10641.5	10863.4	11625.8	12465.4	12518.5	12407.5	12579.6	12941.5	13181.2	12764.6	11350.8
22.5°	11809.2	12069.7	12930.3	13052.5	12306.2	11886.4	11908.9	12476.7	13456.2	13768.3	12605.4
25°	13232.7	13551.1	14426.1	13927.5	12394.7	11576.0	11567.9	12093.9	13724.8	14773.5	14003.1
27.5°	14646.5	14997.1	15765.9	14995.5	12759.8	11519.7	11503.6	11978.1	13987.0	15667.8	15529.5
30°	15831.9	16172.9	16835.6	15769.2	13153.8	11651.6	11574.3	12101.9	14143.0	16248.5	16642.5
32.5°	16797.0	17070.4	17606.0	16301.6	13575.3	11907.3	11740.0	12433.3	14408.4	16739.1	17665.5
35°	17858.5	18146.4	18360.4	16808.2	14048.1	12275.6	12036.0	12959.2	14817.0	17237.7	18786.6
37.5°	19069.7	19356.0	19330.3	17271.5	14648.1	12885.2	12732.4	13792.4	15452.3	17731.5	20038.0
40°	20255.1	20547.8	20338.7	17778.1	15352.6	13890.5	13777.9	15043.8	16303.2	18363.6	21504.9
42.5°	21364.9	21681.8	21234.7	18257.4	16192.2	15158.0	15351.0	16655.4	17368.0	19142.1	22769.1
45°	22259.2	22582.5	21985.8	18723.9	17076.8	16695.6	17276.3	18440.8	18648.3	19799.9	23623.2
47.5°	22909.0	23214.6	22506.9	19190.3	18209.2	18575.9	19587.6	20313.0	19804.7	20370.9	24229.6
50°	23324.0	23562.1	22659.7	19774.2	19695.4	20769.8	21995.4	22349.3	20893.7	20885.6	24966.2
52.5°	23587.8	23695.6	22772.3	20383.8	21245.9	23158.3	24353.4	24464.4	22014.7	21451.8	25958.6
55°	24496.6	24583.4	23570.1	21122.1	22527.8	25250.9	26486.2	26383.3	23283.8	22560.0	27129.6
57.5°	26047.1	26138.8	25218.8	22183.6	23565.3	26544.1	28031.9	28216.9	24771.6	24117.0	28384.2
60°	26825.6	26996.1	26668.0	23528.3	24570.6	27370.9	29085.5	29675.8	26631.0	26169.4	29600.2
62.5°	26119.5	26367.2	26843.3	25019.3	25569.4	27826.0	29413.6	30198.5	28535.4	28561.1	30349.7
65°	24710.5	24908.3	25715.8	25836.4	26148.4	27769.8	28602.9	29468.3	29701.5	30758.2	30309.5
67.5°	23008.8	23082.8	23767.9	25900.7	25308.8	26077.7	26167.7	26807.9	28779.9	31536.7	29091.9
70°	20559.1	20599.3	21197.7	23747.0	21749.4	21918.2	21784.7	21915.0	24742.7	29640.4	26018.2
72.5°	16546.0	16647.4	17498.2	19721.1	15844.8	15357.4	16406.1	16348.2	19055.2	25041.8	19323.8
75°	12182.3	12357.7	13642.8	15885.0	11120.8	10059.2	10824.8	11029.1	13546.3	19370.5	12084.2
77.5°	8529.6	8659.9	9904.8	11677.3	8048.6	7193.0	6916.3	7159.2	8941.3	14012.7	6088.0
80°	4913.8	4962.0	5756.6	6742.6	5423.7	6205.4	5621.5	5788.8	5357.7	6234.3	2618.5
82.5°	3215.3	3223.3	3533.7	4013.1	3377.7	3924.6	2904.8	3713.9	3295.7	2504.3	852.5
85°	1737.1	1746.8	2049.2	2848.6	1912.4	1080.9	635.3	1304.4	2037.9	574.2	233.2
87.5°	191.4	175.3	617.6	1035.8	530.8	98.1	33.8	146.4	326.5	37.0	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°	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0
2.5°	12180.7	12047.2	11714.3	11362.0	11078.9	10813.6	10546.6	10220.0	9967.5	9916.0	9832.4
5°	11920.2	11497.1	10799.1	10097.8	9533.2	8820.7	8368.7	8016.5	7672.3	7651.4	7582.2
7.5°	11009.8	10453.3	9470.5	8500.6	7706.0	7027.3	6342.1	5883.7	5523.4	5396.3	5320.7
10°	10134.8	9509.1	8281.9	7175.3	6465.9	5866.0	5383.5	4904.1	4469.9	4170.7	4035.6
12.5°	9523.6	8832.0	7479.3	6525.4	6017.2	5447.8	4859.1	4260.8	3760.5	3400.2	3179.9
15°	9287.1	8548.9	7210.6	6268.1	5640.8	4920.2	4167.5	3483.9	2929.0	2602.5	2404.6
17.5°	9568.6	8709.7	7189.7	5954.5	5077.9	4181.9	3350.4	2542.9	2020.2	1772.5	1645.4
20°	10282.8	9221.2	7181.7	5570.0	4408.7	3307.0	2269.5	1672.8	1355.9	1217.6	1158.1
22.5°	11292.9	9874.2	7246.0	5190.4	3712.3	2362.8	1566.6	1228.8	1066.4	992.4	958.6
25°	12592.5	10791.0	7427.8	4846.2	3057.6	1762.9	1220.8	1029.4	915.2	857.3	833.2
27.5°	13977.4	11846.2	7710.9	4547.1	2525.3	1405.8	1045.5	881.4	799.4	759.2	736.7
30°	15119.4	13068.6	7997.2	4214.1	2139.2	1225.6	957.0	804.2	709.3	683.6	662.7
32.5°	16118.2	13993.4	8199.8	3913.3	1886.7	1088.9	865.3	719.0	654.6	604.8	582.3
35°	17152.4	14763.9	8193.4	3702.6	1713.0	986.0	788.1	643.4	566.2	508.3	490.6
37.5°	18271.9	15634.1	8053.5	3522.5	1637.4	903.9	744.7	603.2	526.0	468.1	445.5
40°	19582.8	16547.7	7910.3	3353.6	1616.5	838.0	714.1	571.0	489.0	432.7	410.2
42.5°	20859.9	17371.2	7784.9	3228.1	1526.4	836.4	686.8	546.9	460.0	405.3	379.6
45°	21881.2	18138.4	7760.7	3152.5	1431.5	865.3	672.3	530.8	437.5	382.8	358.7
47.5°	22730.5	18971.6	7915.1	3099.5	1341.4	789.7	707.7	519.5	416.6	363.5	336.2
50°	23740.6	19994.5	8278.7	3012.6	1246.5	710.9	810.7	522.7	398.9	344.2	315.3
52.5°	25149.6	21410.0	8812.7	2866.2	1116.3	638.6	797.8	526.0	379.6	323.3	294.3
55°	26729.1	23177.6	9386.9	2623.4	934.5	543.7	683.6	503.4	342.6	300.8	273.4
57.5°	28389.0	24781.3	9727.9	2333.8	743.1	469.7	546.9	458.4	302.4	270.2	252.5
60°	28649.6	25390.9	9571.8	1978.4	590.3	408.5	405.3	466.4	270.2	238.0	225.2
62.5°	28001.4	24625.2	8817.5	1661.5	493.8	358.7	332.9	406.9	244.5	212.3	199.4
65°	26754.8	22555.2	7595.1	1497.5	458.4	307.2	276.7	286.3	213.9	185.0	173.7
67.5°	25020.9	19791.9	6235.9	1404.2	453.6	263.8	236.4	217.1	185.0	160.8	151.2
70°	21475.9	16488.1	4974.9	1352.7	440.7	222.0	199.4	176.9	154.4	136.7	128.7
72.5°	15806.2	11683.7	3869.9	1296.4	443.9	176.9	173.7	146.4	123.9	106.2	102.9
75°	9132.7	6675.0	2538.1	1050.3	423.0	136.7	144.8	102.9	86.9	74.0	74.0
77.5°	4867.1	4071.0	966.7	437.5	154.4	86.9	82.0	61.1	54.7	45.0	43.4
80°	2121.5	1791.8	291.1	122.2	85.2	46.6	30.6	27.3	24.1	19.3	17.7
82.5°	751.1	648.2	94.9	59.5	37.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	170.5	122.2	0.0	14.5	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°	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0
2.5°	9661.9	9626.5	9417.4	9425.5	9462.5	9515.5	9390.1	9448.0	9604.0	9753.6	9809.9
5°	7471.2	7479.3	7352.2	7431.0	7501.8	7550.0	7347.4	7350.6	7474.4	7643.3	7731.8
7.5°	5264.4	5251.6	5258.0	5446.2	5579.7	5483.2	5558.8	5296.6	5312.7	5433.3	5343.2
10°	3913.3	3736.4	3636.7	3778.2	3924.6	3871.5	3741.2	3656.0	3715.5	3849.0	3839.4
12.5°	3075.3	2821.2	2671.6	2570.3	2690.9	2591.2	2588.0	2514.0	2433.6	2448.0	2662.0
15°	2312.9	2128.0	1951.0	1788.6	1785.4	1751.6	1579.5	1386.5	1370.4	1380.0	1491.0
17.5°	1590.7	1528.0	1455.6	1315.7	1278.7	1137.2	969.9	892.7	854.1	871.8	908.8
20°	1117.9	1093.7	1101.8	1026.2	973.1	838.0	739.9	709.3	702.9	720.6	738.3
22.5°	926.5	883.0	878.2	844.4	791.4	693.2	640.2	622.5	614.4	630.5	643.4
25°	810.7	767.2	749.5	728.6	672.3	604.8	572.6	556.5	548.5	558.1	566.2
27.5°	714.1	673.9	657.9	643.4	588.7	540.4	514.7	500.2	493.8	497.0	505.1
30°	641.8	606.4	585.5	567.8	521.1	487.4	464.8	450.4	443.9	443.9	452.0
32.5°	566.2	546.9	527.6	505.1	461.6	439.1	416.6	400.5	394.1	395.7	402.1
35°	471.3	464.8	469.7	448.8	411.8	392.5	369.9	352.2	347.4	349.0	355.5
37.5°	418.2	389.2	406.9	395.7	374.8	349.0	320.1	304.0	296.0	300.8	304.0
40°	384.4	349.0	336.2	347.4	344.2	302.4	276.7	260.6	254.1	255.7	259.0
42.5°	355.5	313.6	284.7	283.1	302.4	263.8	236.4	222.0	213.9	213.9	217.1
45°	328.1	283.1	247.7	220.4	254.1	223.6	197.8	185.0	175.3	175.3	176.9
47.5°	307.2	257.4	215.5	180.1	191.4	183.4	162.5	149.6	139.9	139.9	141.5
50°	287.9	231.6	186.6	151.2	143.2	151.2	131.9	117.4	111.0	109.4	112.6
52.5°	267.0	205.9	159.2	128.7	112.6	114.2	102.9	93.3	85.2	85.2	88.5
55°	246.1	185.0	138.3	109.4	93.3	85.2	82.0	75.6	69.2	69.2	72.4
57.5°	225.2	162.5	117.4	90.1	74.0	67.6	67.6	62.7	57.9	57.9	61.1
60°	205.9	139.9	96.5	74.0	57.9	56.3	57.9	53.1	49.9	49.9	53.1
62.5°	183.4	119.0	78.8	61.1	46.6	45.0	49.9	46.6	43.4	43.4	46.6
65°	156.0	101.3	62.7	46.6	35.4	35.4	41.8	38.6	35.4	35.4	38.6
67.5°	131.9	85.2	48.3	33.8	25.7	27.3	35.4	32.2	30.6	30.6	33.8
70°	109.4	65.9	33.8	20.9	14.5	20.9	27.3	27.3	27.3	27.3	30.6
72.5°	82.0	45.0	19.3	8.0	6.4	14.5	22.5	25.7	24.1	24.1	29.0
75°	53.1	25.7	6.4	0.0	0.0	8.0	17.7	20.9	20.9	19.3	24.1
77.5°	30.6	8.0	0.0	0.0	0.0	0.0	11.3	9.7	8.0	6.4	11.3
80°	8.0	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-SA8B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0	11391.0
2.5°	10036.7	10226.5	10493.5	10776.6	11212.4	11558.3	11897.6	12188.8	12301.4	12348.0
5°	7944.1	8222.4	8613.2	9115.0	9901.6	10609.3	11326.6	12048.8	12362.5	12441.3
7.5°	5700.3	6055.8	6552.8	7181.7	8103.3	9020.1	10022.2	11082.2	11567.9	11690.2
10°	4218.9	4653.2	5222.6	5885.3	6765.1	7707.7	8799.8	10010.9	10565.9	10728.3
12.5°	2993.3	3580.4	4342.8	5148.6	5911.0	6752.2	7857.2	9192.2	9774.5	9949.8
15°	1758.0	2325.8	3228.1	4307.4	5283.7	6136.2	7258.9	8772.4	9414.2	9591.1
17.5°	1008.5	1291.6	1973.6	3176.7	4502.0	5682.6	7070.7	8877.0	9633.0	9797.0
20°	770.4	860.5	1137.2	2045.9	3588.4	5237.1	7070.7	9468.9	10400.2	10641.5
22.5°	673.9	739.9	852.5	1220.8	2641.1	4759.4	7152.7	10324.6	11542.2	11809.2
25°	598.3	657.9	754.4	918.4	1801.5	4191.6	7347.4	11374.9	12886.8	13232.7
27.5°	535.6	591.9	678.8	804.2	1232.1	3506.4	7609.5	12607.0	14369.8	14646.5
30°	479.3	532.4	611.2	699.7	950.6	2729.5	7833.1	13768.3	15534.3	15831.9
32.5°	426.2	474.5	545.3	611.2	778.5	2018.6	7857.2	14688.3	16501.0	16797.0
35°	376.4	419.8	484.1	535.6	645.0	1594.0	7482.5	15486.1	17467.7	17858.5
37.5°	328.1	369.9	426.2	464.8	567.8	1299.6	6909.9	16375.5	18707.8	19069.7
40°	283.1	320.1	378.0	403.7	537.2	998.8	6287.4	17308.4	19923.8	20255.1
42.5°	241.3	276.7	332.9	382.8	471.3	746.3	5615.1	18183.4	21017.5	21364.9
45°	201.1	238.0	294.3	405.3	390.9	558.1	4896.1	18764.1	21881.2	22259.2
47.5°	162.5	204.3	281.5	386.0	312.0	410.2	4326.7	19314.2	22535.9	22909.0
50°	130.3	172.1	316.9	344.2	255.7	313.6	4088.7	19806.4	22965.3	23324.0
52.5°	106.2	144.8	299.2	263.8	213.9	259.0	4217.3	20604.1	23362.6	23587.8
55°	88.5	114.2	180.1	183.4	181.8	220.4	4376.6	21749.4	24390.4	24496.6
57.5°	77.2	91.7	125.5	141.5	152.8	196.2	4379.8	23393.2	25981.2	26047.1
60°	65.9	80.4	104.5	114.2	131.9	175.3	4220.6	23967.4	26606.8	26825.6
62.5°	57.9	70.8	86.9	94.9	111.0	157.6	3847.4	23135.8	25747.9	26119.5
65°	51.5	64.3	72.4	80.4	98.1	141.5	3233.0	21472.7	24322.9	24710.5
67.5°	45.0	56.3	64.3	72.4	88.5	125.5	2380.5	19541.0	22687.1	23008.8
70°	40.2	49.9	57.9	64.3	77.2	106.2	1444.4	16581.4	20425.6	20559.1
72.5°	38.6	45.0	53.1	57.9	67.6	93.3	731.8	12185.6	16328.9	16546.0
75°	33.8	40.2	48.3	51.5	59.5	80.4	297.6	8003.6	11833.3	12182.3
77.5°	27.3	37.0	43.4	46.6	51.5	65.9	151.2	5114.8	8304.4	8529.6
80°	9.7	27.3	37.0	38.6	43.4	48.3	99.7	2800.3	4817.3	4913.8
82.5°	0.0	17.7	29.0	27.3	30.6	37.0	64.3	1331.8	3179.9	3215.3
85°	0.0	8.0	22.5	17.7	12.9	25.7	22.5	291.1	1668.0	1737.1
87.5°	0.0	0.0	1.6	8.0	6.4	9.7	3.2	1.6	151.2	191.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)