

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: P322080

Luminaire Tested: **GAN-SA6B-830-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19322 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

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

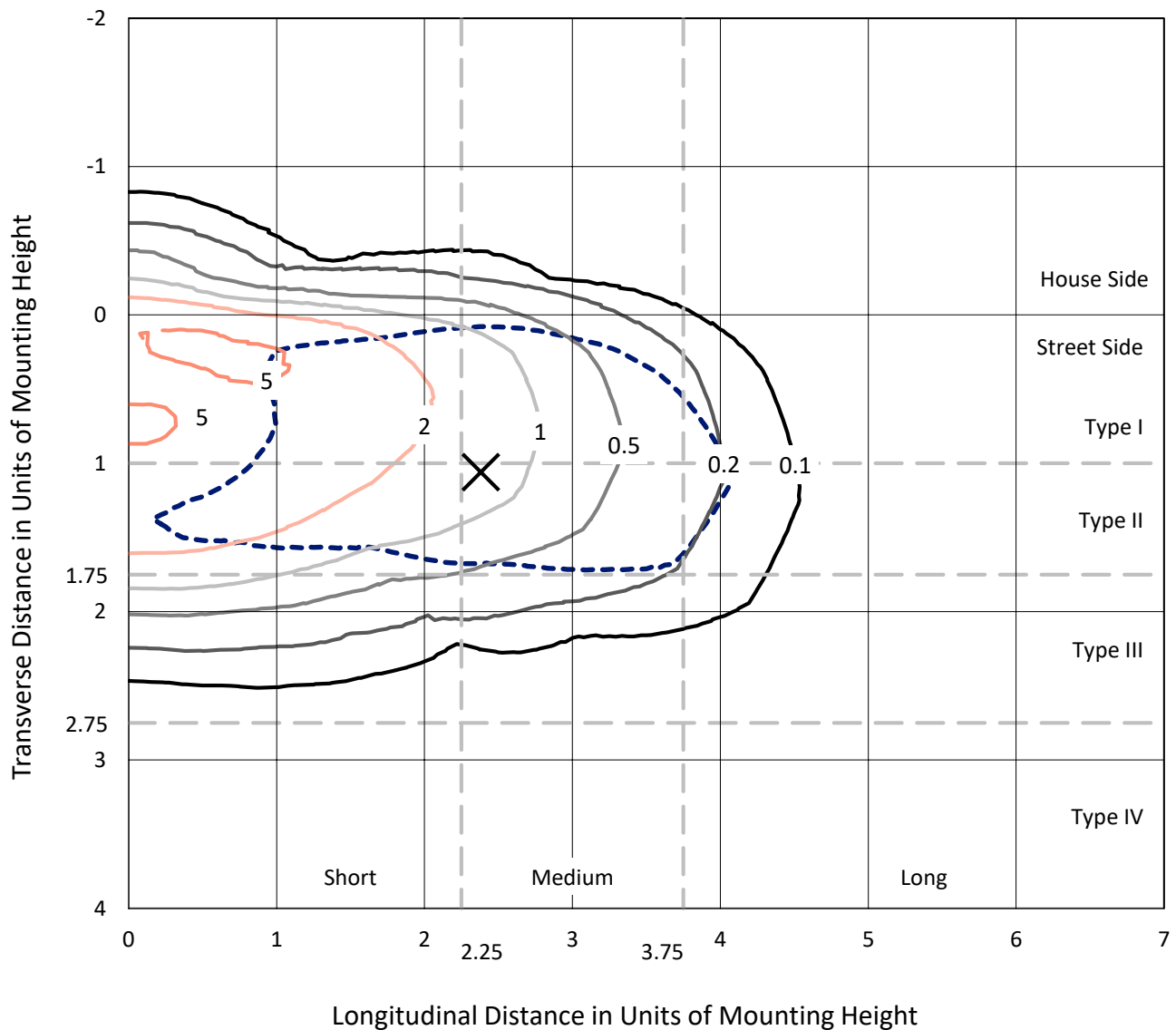


REPORT NUMBER: P322080

CATALOG NUMBER: GAN-SA6B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

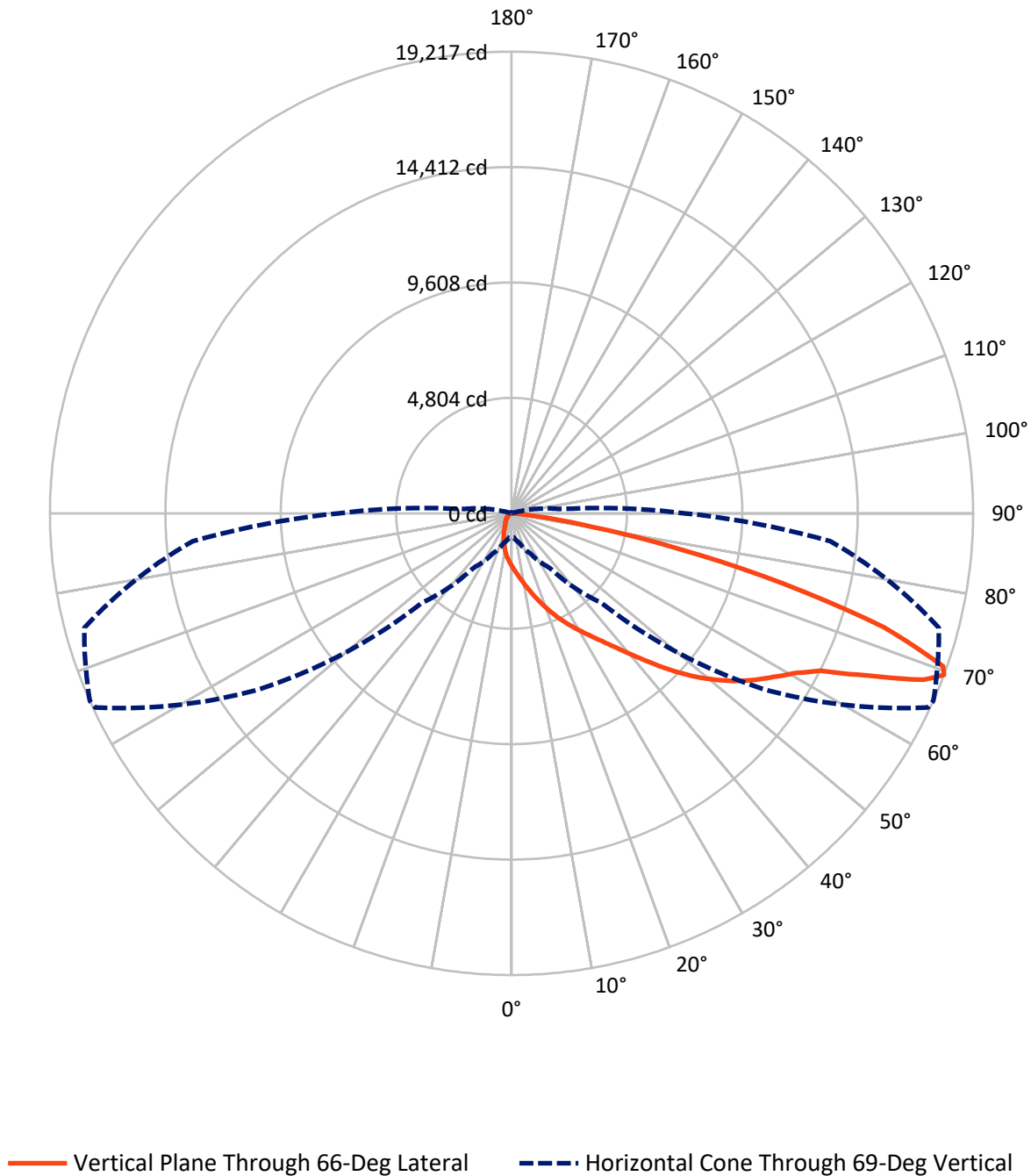
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P322080
CATALOG NUMBER: GAN-SA6B-830-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322080

CATALOG NUMBER: GAN-SA6B-830-U-T2-HSS

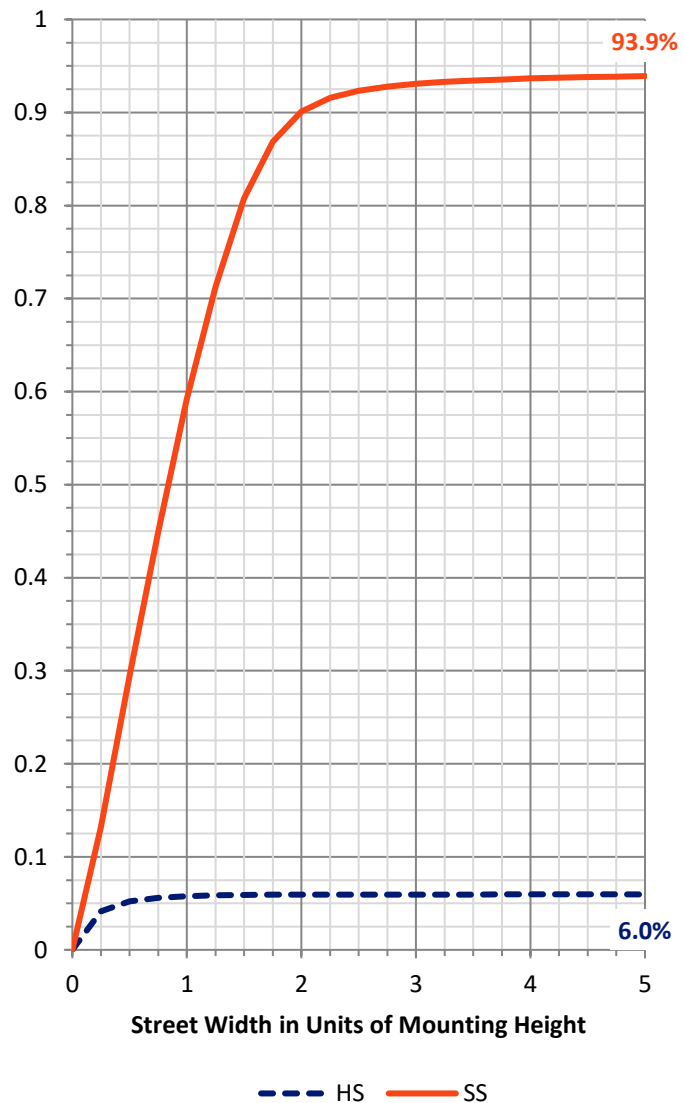
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1159.0	0.0	1159.0
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	18162.9	0.0	18162.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	19322.0	0.0	19322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	1.1
10°-20°	632.6	3.3
20°-30°	1101.6	5.7
30°-40°	1932.7	10.0
40°-50°	3235.1	16.7
50°-60°	4755.3	24.6
60°-70°	4882.5	25.3
70°-80°	2410.3	12.5
80°-90°	159.4	0.8
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°	19322.0	100.0
0°-180°	19322.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322080

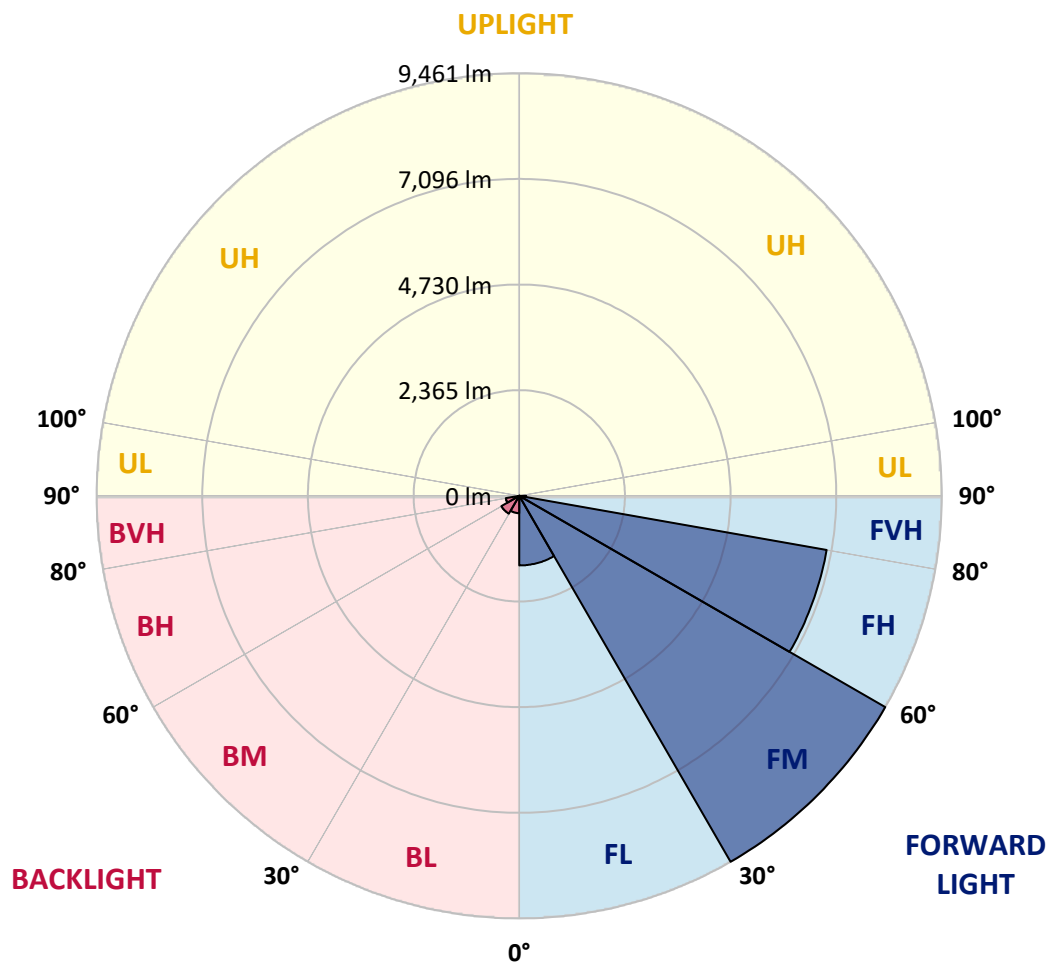
CATALOG NUMBER: GAN-SA6B-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1559.1	8.1			
FM	(30°-60°)	9461.0	49.0			
FH	(60°-80°)	6987.4	36.2			G3/7500
FVH	(80°-90°)	155.5	0.8			G2/225
BL	(0°-30°)	387.6	2.0	B1/500		
BM	(30°-60°)	462.1	2.4	B1/1000		
BH	(60°-80°)	305.4	1.6	B1/500		G1/500
BVH	(80°-90°)	3.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



REPORT NUMBER: P322080

CATALOG NUMBER: GAN-SA6B-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9
2.5°	2588.0	2577.0	2572.4	2552.2	2517.4	2490.7	2439.4	2379.7	2368.7	2310.9	2240.2
5°	2923.9	2914.7	2908.3	2879.9	2844.1	2777.1	2683.5	2572.4	2551.3	2441.2	2299.9
7.5°	3157.9	3174.5	3174.5	3156.1	3111.1	3060.7	2945.9	2794.5	2767.9	2599.0	2379.7
10°	3294.7	3314.9	3330.5	3346.1	3339.7	3319.5	3211.2	3040.5	3008.4	2784.4	2472.4
12.5°	3307.5	3327.7	3371.8	3436.9	3500.3	3546.1	3478.2	3313.0	3276.3	2999.2	2582.5
15°	3236.0	3257.1	3325.0	3451.6	3604.9	3738.9	3760.9	3615.0	3577.4	3255.2	2720.2
17.5°	3111.1	3124.9	3222.2	3397.5	3637.9	3883.9	4016.9	3938.9	3904.1	3548.0	2873.4
20°	3018.4	3028.5	3113.9	3302.0	3617.7	3974.7	4259.2	4283.1	4246.4	3861.9	3039.6
22.5°	3177.2	3195.6	3198.3	3287.3	3562.7	4019.7	4472.1	4621.7	4594.2	4195.0	3202.9
25°	3611.3	3632.4	3562.7	3507.6	3609.5	4039.9	4654.8	4968.6	4946.6	4553.8	3367.2
27.5°	4184.9	4206.9	4117.0	3952.7	3854.5	4116.1	4817.2	5321.1	5320.1	4933.8	3544.3
30°	4748.4	4770.4	4678.6	4514.4	4288.6	4331.7	4957.6	5690.0	5695.5	5325.6	3732.4
32.5°	5339.4	5366.9	5272.4	5061.3	4825.5	4704.3	5154.9	6060.8	6092.0	5779.9	3944.4
35°	6011.2	6014.9	5881.8	5660.6	5389.0	5202.7	5471.6	6476.5	6550.8	6342.5	4213.3
37.5°	6670.1	6696.8	6587.5	6238.8	5989.2	5778.1	5942.4	6995.9	7101.5	7029.9	4564.8
40°	7158.4	7214.4	7198.8	6822.5	6585.7	6435.2	6527.0	7613.6	7747.6	7830.2	5008.1
42.5°	7464.9	7507.1	7578.7	7352.0	7137.3	7162.0	7217.1	8333.1	8498.3	8742.4	5517.5
45°	7816.4	7836.6	7896.2	7796.2	7651.2	7900.8	7949.5	9143.4	9316.9	9723.5	6082.8
47.5°	8245.9	8293.6	8310.1	8218.4	8152.3	8554.3	8655.2	9880.4	10123.6	10774.3	6681.1
50°	8792.9	8805.7	8834.2	8774.5	8708.4	9115.9	9288.4	10654.0	10875.2	11828.8	7271.3
52.5°	9327.9	9373.8	9472.9	9435.3	9408.7	9594.1	9852.9	11351.5	11598.4	12707.9	7860.4
55°	9482.1	9521.6	9863.9	10097.9	10314.5	10183.2	10392.5	11976.5	12243.6	13493.5	8427.6
57.5°	8866.3	8946.1	9539.0	10148.4	11046.8	11099.2	11134.0	12618.0	12857.5	14095.6	9017.7
60°	7309.8	7325.4	8298.2	9343.5	10925.7	11898.5	12217.0	13307.2	13508.2	14656.3	9724.4
62.5°	4649.3	4808.0	5875.4	7351.1	9644.5	11782.9	13526.6	14349.8	14423.2	15329.0	10737.6
65°	2214.5	2317.3	3086.4	4541.9	6985.8	10302.6	14430.5	16235.7	16268.8	16662.5	12091.2
67.5°	1226.1	1275.7	1641.8	2444.9	4083.9	7285.9	14065.3	18469.5	18500.7	18024.4	13278.8
69°	959.0	1001.3	1289.4	1842.8	2768.8	5236.6	12728.1	19123.9	19216.6	18414.5	13321.0
70°	814.0	855.3	1110.5	1556.5	2226.4	4046.3	11329.5	18961.4	19059.6	18377.7	13006.2
72.5°	498.3	522.2	739.7	1095.8	1492.2	2035.5	6986.8	16035.7	16201.8	16858.0	11178.1
75°	335.9	348.7	462.5	756.2	1067.3	1048.1	3629.7	11302.9	11662.6	13113.6	8256.0
77.5°	240.4	252.4	310.2	489.2	748.0	692.0	1643.7	7024.4	7101.5	7865.0	4502.4
80°	136.7	147.8	219.3	290.9	507.5	461.6	653.4	3355.3	3393.8	3372.7	1503.3
82.5°	71.6	80.8	120.2	191.8	325.8	301.9	271.7	1123.3	1128.8	938.8	329.5
85°	13.8	16.5	59.7	131.2	167.9	131.2	111.0	263.4	268.9	237.7	81.7
87.5°	0.0	0.9	23.9	29.4	33.0	34.0	35.8	51.4	55.1	74.3	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P322080

CATALOG NUMBER: GAN-SA6B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9	2198.9
2.5°	2209.0	2176.0	2112.6	2039.2	1982.3	1926.3	1882.3	1836.4	1819.9	1811.6	1810.7
5°	2231.0	2161.3	2027.3	1889.6	1776.7	1670.3	1594.1	1521.6	1487.7	1472.1	1465.6
7.5°	2267.7	2155.8	1940.1	1729.9	1567.5	1434.4	1328.9	1250.0	1210.5	1194.0	1187.6
10°	2310.9	2148.4	1838.2	1561.1	1353.7	1216.0	1111.4	1033.4	990.2	971.9	962.7
12.5°	2361.3	2135.6	1720.8	1390.4	1171.0	1033.4	906.7	810.4	760.8	739.7	729.6
15°	2423.8	2122.7	1597.8	1229.8	1010.4	842.5	703.9	638.7	628.7	625.0	625.9
17.5°	2485.2	2102.5	1463.8	1071.0	841.6	658.0	587.4	583.7	585.5	585.5	585.5
20°	2540.3	2056.7	1317.9	935.2	681.0	555.2	540.5	534.1	529.5	525.9	521.3
22.5°	2583.4	1995.2	1177.5	800.3	556.2	508.4	485.5	465.3	448.8	437.8	432.3
25°	2612.8	1913.5	1049.0	670.9	500.2	462.5	421.2	387.3	361.6	346.0	339.6
27.5°	2634.8	1825.4	934.3	561.7	461.6	409.3	355.2	314.8	288.2	274.4	268.9
30°	2650.4	1725.4	833.3	493.7	418.5	353.3	295.5	256.0	236.8	229.4	225.8
32.5°	2665.1	1614.3	737.9	461.6	378.1	301.9	247.8	217.5	205.6	196.4	193.6
35°	2701.8	1511.5	647.0	427.7	336.8	257.9	212.9	190.9	179.0	173.5	171.6
37.5°	2789.0	1435.3	559.8	392.8	295.5	223.0	186.3	170.7	159.7	154.2	152.3
40°	2929.4	1396.8	486.4	355.2	255.1	196.4	168.9	154.2	142.2	134.0	132.2
42.5°	3135.9	1402.3	435.0	317.5	223.0	175.3	152.3	134.9	122.1	114.7	112.9
45°	3386.5	1442.7	399.2	280.8	196.4	158.8	134.0	115.6	103.7	97.3	95.4
47.5°	3658.1	1507.8	369.8	247.8	175.3	143.2	115.6	96.4	86.3	80.8	79.8
50°	3944.4	1571.2	339.6	215.7	156.9	127.6	97.3	79.8	71.6	67.0	65.2
52.5°	4234.5	1644.6	312.0	186.3	141.3	109.2	80.8	65.2	58.7	55.1	53.2
55°	4546.5	1699.7	285.4	163.4	125.7	92.7	67.0	54.1	48.6	44.1	43.1
57.5°	4913.6	1785.0	257.9	141.3	107.4	77.1	55.1	43.1	38.5	34.0	33.0
60°	5409.2	1885.0	228.5	124.8	88.1	63.3	45.0	34.9	29.4	25.7	24.8
62.5°	6062.6	1996.1	191.8	109.2	71.6	51.4	35.8	27.5	21.1	16.5	16.5
65°	6891.3	2176.9	156.9	91.8	58.7	42.2	27.5	20.2	11.9	7.3	7.3
67.5°	7375.0	2208.1	126.6	75.3	47.7	35.8	22.9	13.8	3.7	0.9	0.0
69°	7219.9	2027.3	107.4	64.2	41.3	34.0	21.1	10.1	1.8	0.0	0.0
70°	6928.0	1853.8	94.5	56.9	37.6	32.1	20.2	7.3	1.8	0.0	0.0
72.5°	5724.9	1319.7	71.6	42.2	27.5	28.4	18.4	4.6	1.8	0.0	0.0
75°	4170.2	802.1	51.4	29.4	17.4	21.1	12.8	1.8	0.9	0.0	0.0
77.5°	2320.0	378.1	32.1	16.5	11.0	12.8	6.4	0.0	0.0	0.0	0.0
80°	753.5	102.8	14.7	9.2	6.4	7.3	2.8	0.0	0.0	0.0	0.0
82.5°	139.5	29.4	8.3	4.6	1.8	1.8	0.0	0.0	0.0	0.0	0.0
85°	30.3	11.9	4.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.1	3.7	0.9	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

(END OF REPORT)