

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: P323797

Luminaire Tested: **GAN-SA3B-730-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-730-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12896 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

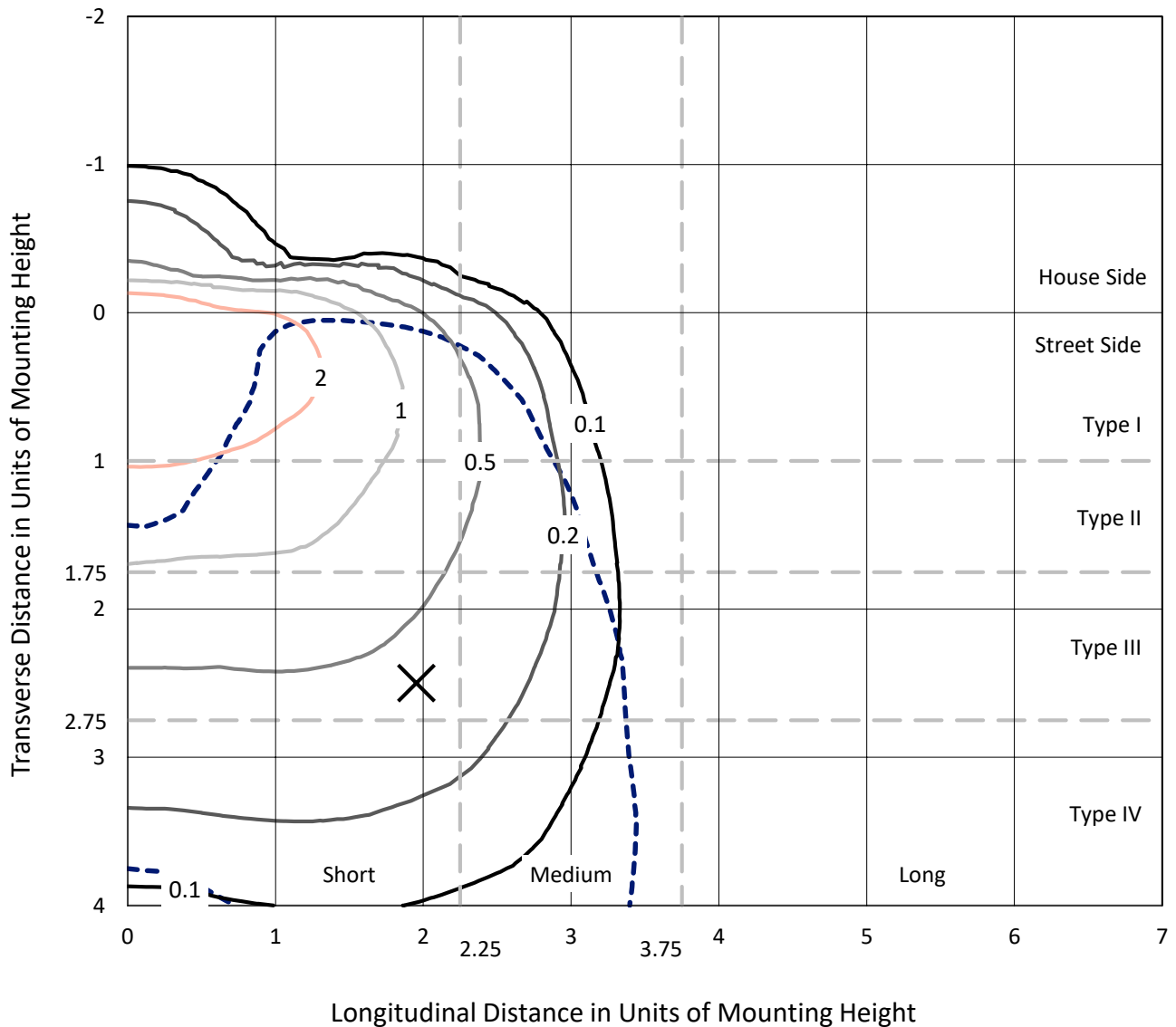
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P323797  
 CATALOG NUMBER: GAN-SA3B-730-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

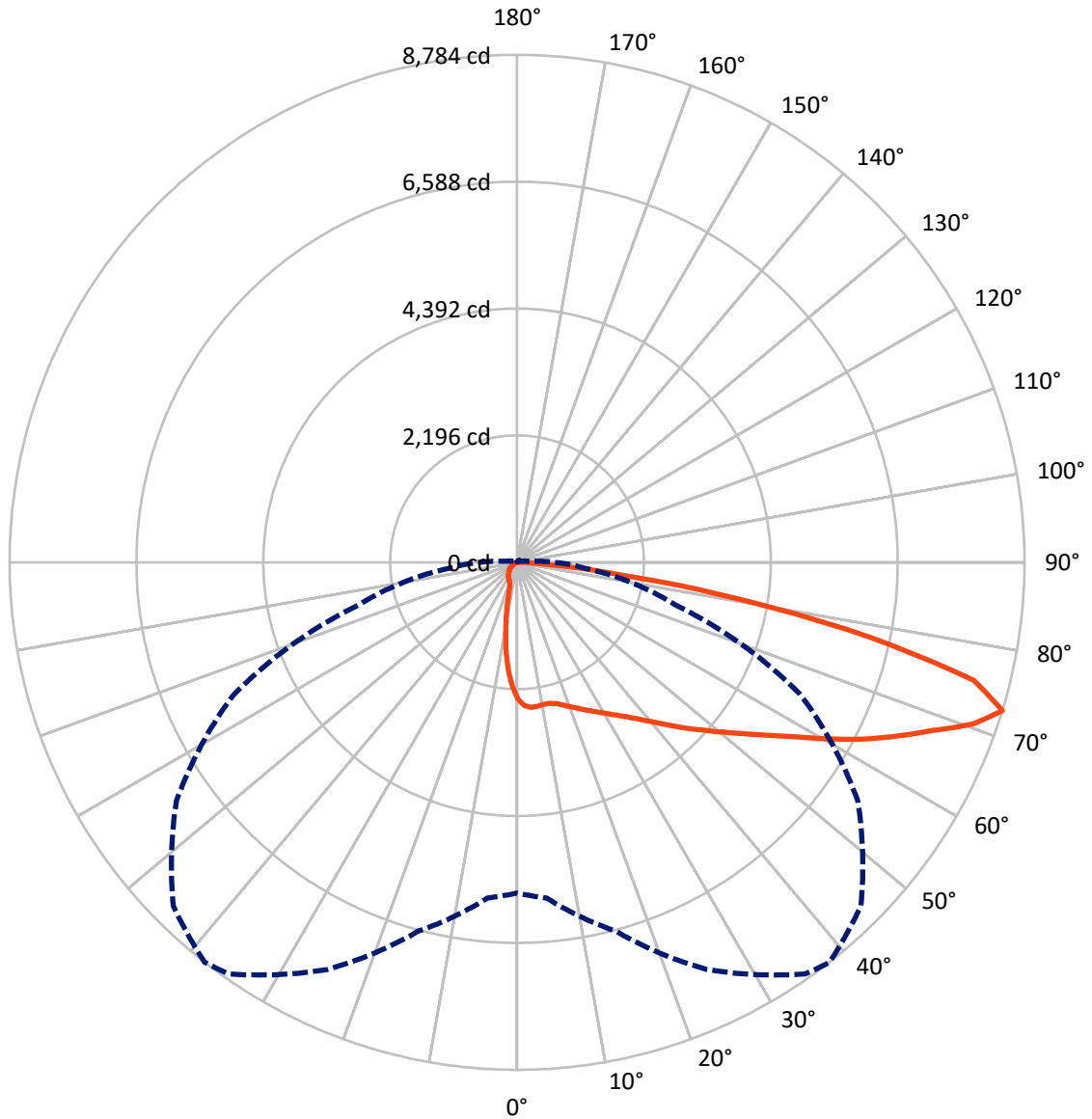
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P323797  
CATALOG NUMBER: GAN-SA3B-730-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P323797  
 CATALOG NUMBER: GAN-SA3B-730-U-SL4-HSS

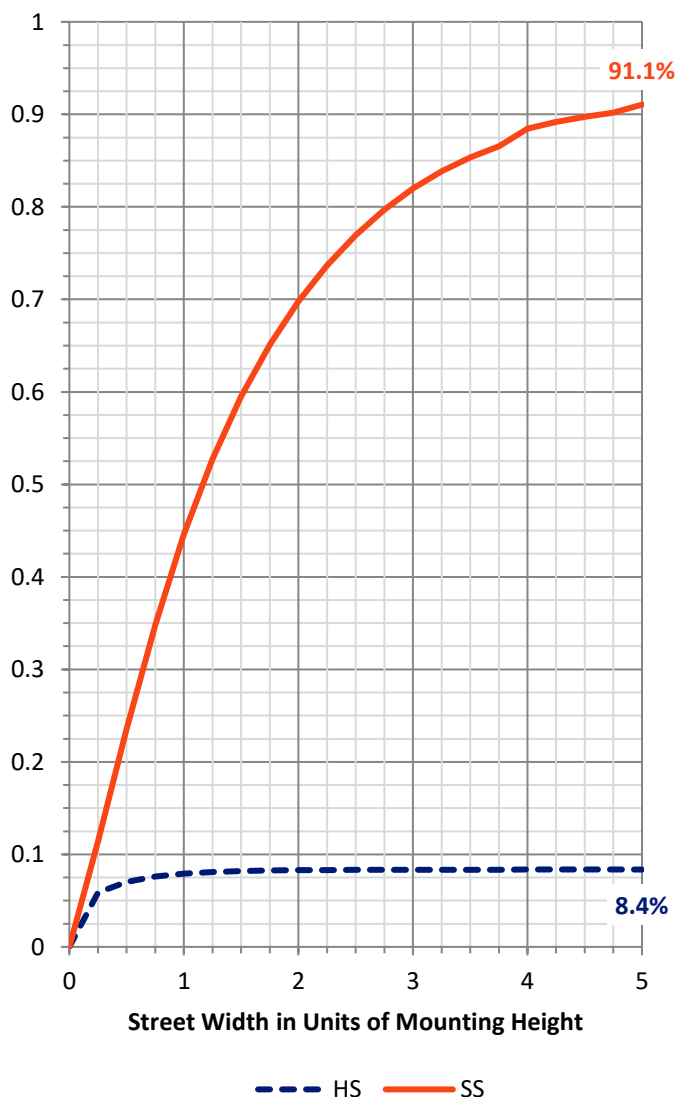
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1085.2	0.0	1085.2
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	11810.8	0.0	11810.8
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	12896.0	0.0	12896.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.1	1.6
10°-20°	494.2	3.8
20°-30°	786.0	6.1
30°-40°	1181.6	9.2
40°-50°	1802.7	14.0
50°-60°	2547.8	19.8
60°-70°	3195.8	24.8
70°-80°	2389.6	18.5
80°-90°	296.3	2.3
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°	12896.0	100.0
0°-180°	12896.0	100.0

**Coefficient of Utilization**



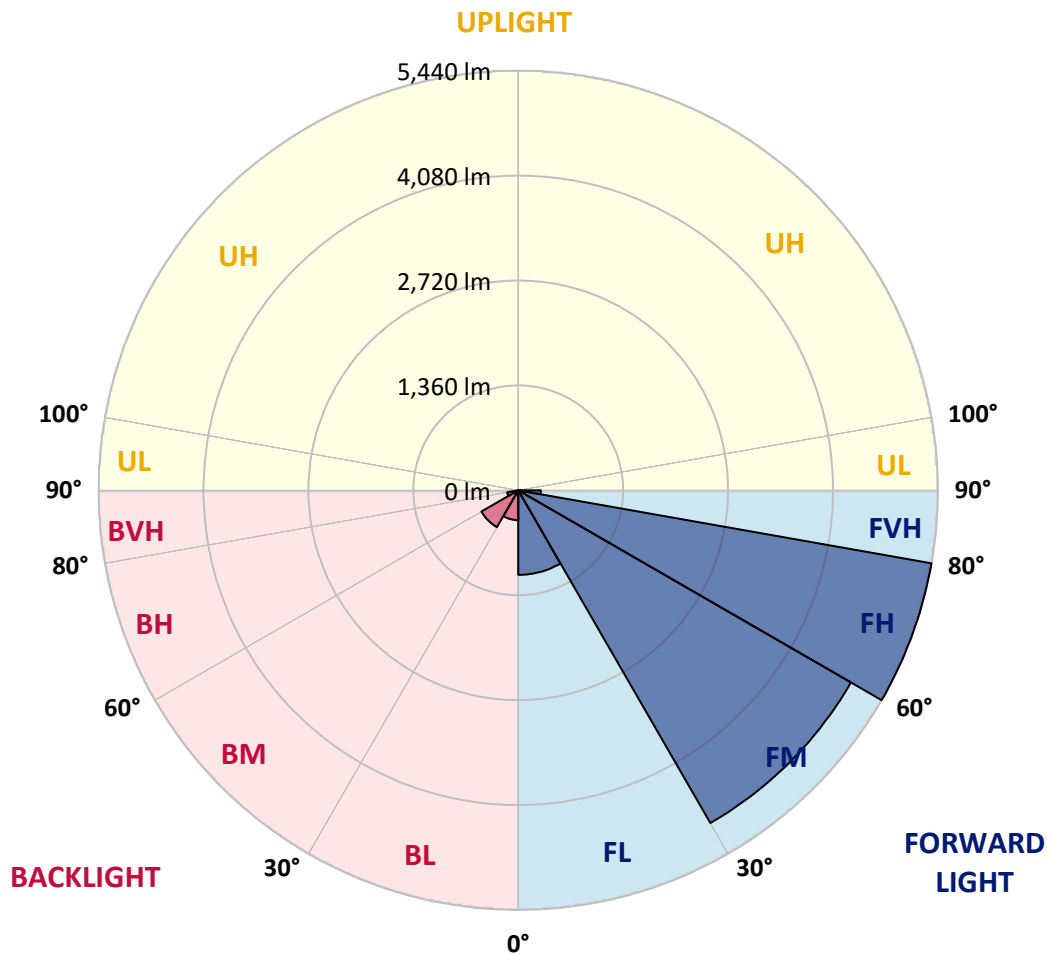
REPORT NUMBER: P323797  
 CATALOG NUMBER: GAN-SA3B-730-U-SL4-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1095.8	8.5			
FM (30°-60°)	4981.0	38.6			
FH (60°-80°)	5440.4	42.2			G3/7500
FVH (80°-90°)	293.5	2.3			G3/500
BL (0°-30°)	386.4	3.0	B1/500		
BM (30°-60°)	551.1	4.3	B1/1000		
BH (60°-80°)	145.0	1.1	B1/500		G1/500
BVH (80°-90°)	2.8	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 IV Short





REPORT NUMBER: P323797  
 CATALOG NUMBER: GAN-SA3B-730-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5
2.5°	2517.2	2517.7	2511.9	2502.2	2489.9	2483.5	2472.8	2455.6	2437.4	2404.7	2369.4
5°	2568.6	2568.6	2561.1	2548.3	2528.5	2522.6	2502.2	2474.9	2437.4	2384.4	2324.9
7.5°	2563.3	2564.3	2554.2	2540.8	2521.0	2515.6	2491.0	2460.4	2413.8	2349.6	2273.5
10°	2535.4	2538.1	2530.1	2523.6	2505.4	2499.5	2476.5	2446.0	2399.4	2330.8	2243.5
12.5°	2507.0	2509.7	2512.4	2518.3	2507.0	2504.9	2486.7	2461.0	2416.5	2345.3	2246.7
15°	2488.8	2494.2	2513.5	2536.5	2539.2	2537.0	2525.2	2501.1	2456.2	2382.2	2269.8
17.5°	2488.8	2497.4	2537.6	2581.5	2597.0	2598.6	2588.4	2554.7	2501.1	2421.9	2291.2
20°	2509.7	2521.5	2584.2	2646.3	2672.0	2672.0	2652.2	2605.0	2542.4	2457.8	2305.7
22.5°	2563.3	2578.8	2657.5	2729.3	2756.6	2750.7	2723.9	2655.4	2585.2	2498.5	2323.9
25°	2668.8	2680.6	2762.5	2834.8	2851.4	2838.0	2804.3	2716.4	2639.9	2553.6	2357.1
27.5°	2804.8	2806.4	2891.0	2952.1	2941.9	2932.8	2890.5	2793.0	2718.6	2632.4	2414.4
30°	2954.2	2954.2	3028.7	3075.3	3044.2	3036.7	2994.4	2885.7	2819.3	2739.5	2495.8
32.5°	3098.8	3105.3	3165.8	3195.2	3160.4	3152.9	3111.7	3003.0	2953.2	2902.8	2622.7
35°	3238.6	3243.5	3300.8	3316.8	3283.6	3285.8	3256.3	3164.2	3145.4	3139.0	2813.9
37.5°	3374.1	3375.2	3433.6	3443.8	3427.2	3445.4	3448.0	3366.6	3401.4	3453.4	3083.3
40°	3497.8	3498.9	3556.8	3583.0	3611.4	3635.0	3655.8	3612.5	3727.6	3848.1	3404.1
42.5°	3596.9	3608.2	3681.6	3731.4	3806.3	3851.3	3908.1	3906.0	4115.9	4296.9	3791.9
45°	3684.2	3703.5	3805.8	3893.1	4021.6	4093.4	4182.3	4251.9	4552.9	4796.6	4184.5
47.5°	3799.4	3817.6	3934.3	4077.3	4248.7	4343.0	4490.3	4640.8	5033.3	5287.2	4567.9
50°	3961.7	3953.6	4068.8	4273.9	4494.0	4617.7	4827.7	5053.2	5510.0	5714.6	4793.4
52.5°	4134.6	4131.4	4216.6	4487.6	4783.2	4927.8	5205.3	5479.5	5965.8	6009.2	4896.8
55°	4348.9	4325.8	4397.6	4731.3	5126.5	5281.9	5608.6	5901.5	6328.9	6175.2	4948.7
57.5°	4573.3	4535.3	4603.8	5002.8	5513.8	5697.5	6055.2	6312.8	6570.5	6288.7	4948.2
60°	4805.2	4760.2	4841.6	5342.4	5994.7	6207.3	6539.4	6590.8	6795.9	6346.0	4911.8
62.5°	4999.1	4972.3	5093.3	5705.5	6531.9	6740.8	6905.2	6843.6	6986.1	6390.5	4826.6
65°	5204.2	5205.8	5401.3	6129.1	7102.8	7243.7	7257.6	7171.4	7145.1	6381.4	4538.5
67.5°	5481.6	5507.3	5833.5	6704.3	7658.2	7766.9	7765.9	7526.5	7261.3	6019.3	3899.5
70°	5775.1	5835.6	6331.6	7362.6	8264.5	8374.8	8318.0	7752.5	6837.2	4867.3	2759.8
72.5°	5725.8	5830.8	6608.5	7777.6	8699.9	8784.0	8415.0	7197.1	5404.0	2828.9	1175.1
75°	4417.4	4539.0	6059.5	7366.3	8243.1	8167.5	7230.3	5600.5	2953.2	789.4	264.6
77.5°	2333.5	2398.3	4002.9	5611.8	6427.5	6269.5	5093.3	3106.9	900.3	195.5	118.9
80°	1222.2	1237.2	1744.4	3184.0	3967.0	3968.1	3018.5	1364.6	371.2	100.2	79.8
82.5°	654.5	667.3	921.7	1471.2	2078.6	1884.2	1155.8	750.9	215.8	56.8	76.6
85°	157.5	160.1	522.7	672.1	817.3	583.8	343.3	630.4	58.4	33.2	62.1
87.5°	60.5	61.6	193.9	290.8	208.3	135.0	160.7	235.1	7.5	12.9	9.6
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: P323797  
 CATALOG NUMBER: GAN-SA3B-730-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5	2371.5
2.5°	2348.0	2334.0	2299.8	2256.4	2217.8	2190.0	2148.2	2120.9	2102.7	2102.1	2095.2
5°	2288.5	2260.1	2186.2	2098.4	2018.6	1946.8	1862.2	1795.3	1745.4	1737.4	1720.3
7.5°	2224.8	2178.2	2064.6	1927.5	1793.6	1657.6	1499.6	1401.6	1317.5	1277.3	1273.1
10°	2185.7	2120.3	1959.1	1761.0	1551.0	1329.8	1123.1	980.1	876.7	847.3	825.3
12.5°	2177.7	2091.4	1877.7	1604.6	1304.7	1012.2	783.5	631.4	549.0	522.7	515.8
15°	2185.7	2078.0	1809.2	1449.8	1055.1	718.2	525.9	437.6	406.5	399.0	398.5
17.5°	2190.5	2062.0	1731.5	1277.9	813.0	513.1	402.8	377.0	372.2	371.7	372.8
20°	2190.0	2037.3	1638.9	1086.1	604.7	403.3	364.2	358.8	357.8	358.3	357.8
22.5°	2186.2	2008.4	1537.1	888.5	456.8	360.4	347.6	344.4	343.8	343.8	343.8
25°	2193.2	1985.4	1425.2	699.5	376.5	340.6	332.6	329.9	329.4	329.4	328.3
27.5°	2218.4	1972.5	1302.5	538.3	340.1	323.0	316.5	316.0	314.4	313.8	314.9
30°	2259.1	1972.5	1168.1	418.8	318.1	304.7	299.9	298.9	298.3	297.8	298.3
32.5°	2330.8	1987.5	1021.3	348.1	297.2	284.4	281.2	282.8	281.2	281.2	281.2
35°	2460.4	2032.5	867.6	303.7	275.3	264.6	261.4	263.5	262.4	262.4	261.9
37.5°	2649.5	2116.1	712.9	276.9	256.0	244.8	240.5	243.7	242.6	242.6	242.1
40°	2879.8	2237.6	565.6	256.5	237.3	225.5	221.7	223.3	220.7	220.7	221.7
42.5°	3164.2	2391.9	437.0	236.7	218.5	207.3	205.1	203.5	198.7	196.0	196.6
45°	3480.2	2552.6	340.6	217.4	200.8	191.7	188.5	184.2	176.2	170.8	171.4
47.5°	3762.4	2676.3	276.9	198.7	184.8	177.8	173.0	165.0	153.2	146.7	147.3
50°	3910.8	2695.0	235.7	180.0	169.8	162.8	155.9	143.5	129.6	122.6	122.1
52.5°	3948.8	2607.2	205.1	162.8	154.8	146.7	137.6	121.0	105.5	98.0	96.9
55°	3962.7	2473.3	177.8	146.7	138.7	129.6	117.8	99.1	84.6	77.1	76.6
57.5°	3916.7	2273.5	156.4	132.3	122.6	111.4	96.9	79.3	65.3	59.4	59.4
60°	3814.4	2003.1	139.8	116.8	106.0	93.2	78.2	61.6	48.7	43.9	43.9
62.5°	3610.3	1652.8	124.3	100.7	90.5	77.1	63.2	46.6	34.3	31.6	32.1
65°	3225.2	1253.8	108.7	86.2	77.1	63.7	49.3	33.2	23.0	23.0	24.1
67.5°	2630.2	870.8	92.7	73.4	66.4	52.0	37.5	23.0	16.1	18.2	20.4
70°	1741.2	488.4	79.3	60.5	56.8	41.2	27.8	15.5	12.9	17.1	20.9
72.5°	657.2	190.1	66.4	48.7	49.3	31.6	19.8	11.8	11.8	18.7	24.6
75°	183.2	93.2	47.7	35.9	38.6	23.0	14.5	10.2	11.2	21.4	28.9
77.5°	107.7	68.6	31.1	20.9	26.2	16.1	9.6	8.0	9.6	18.2	27.8
80°	86.8	36.4	18.2	10.7	14.5	9.1	6.4	4.8	2.7	7.0	14.5
82.5°	86.8	22.0	8.6	7.5	7.5	4.8	3.2	2.1	0.5	0.0	3.7
85°	58.4	9.1	5.4	4.8	3.7	1.6	1.1	0.5	0.0	0.0	0.0
87.5°	9.6	3.7	2.1	1.1	0.5	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)