

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: P484817

Luminaire Tested: **IFLD-L-SA8B-740-U-SL4-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484817  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-740-U-SL4-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield  
Light Source: (128) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

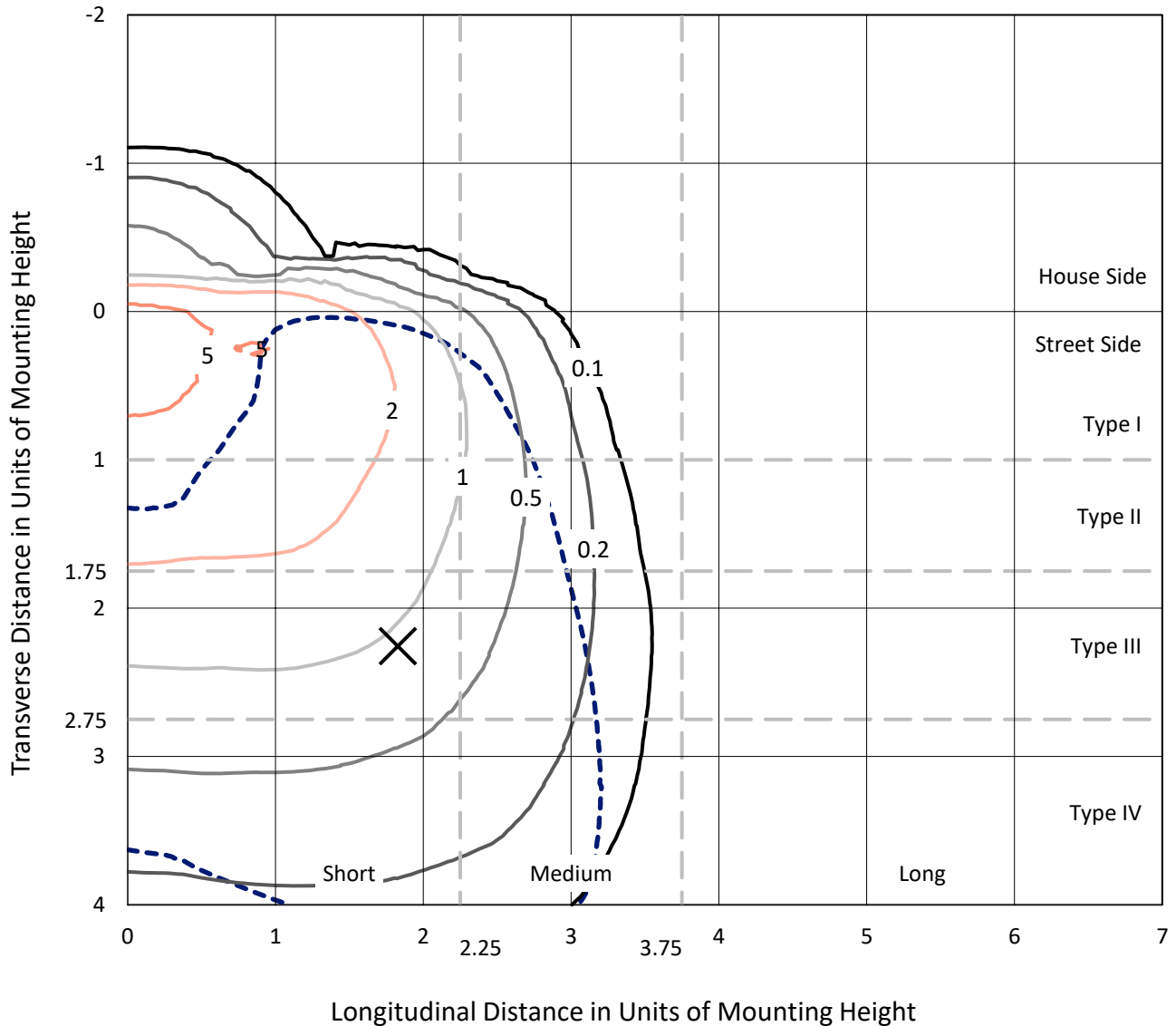
Lumens per Lamp: N/A  
Luminaire Lumens: 33621.9 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 320  
Input Voltage (V): 120  
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: P484817  
 CATALOG NUMBER: IFLD-L-SA8B-740-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

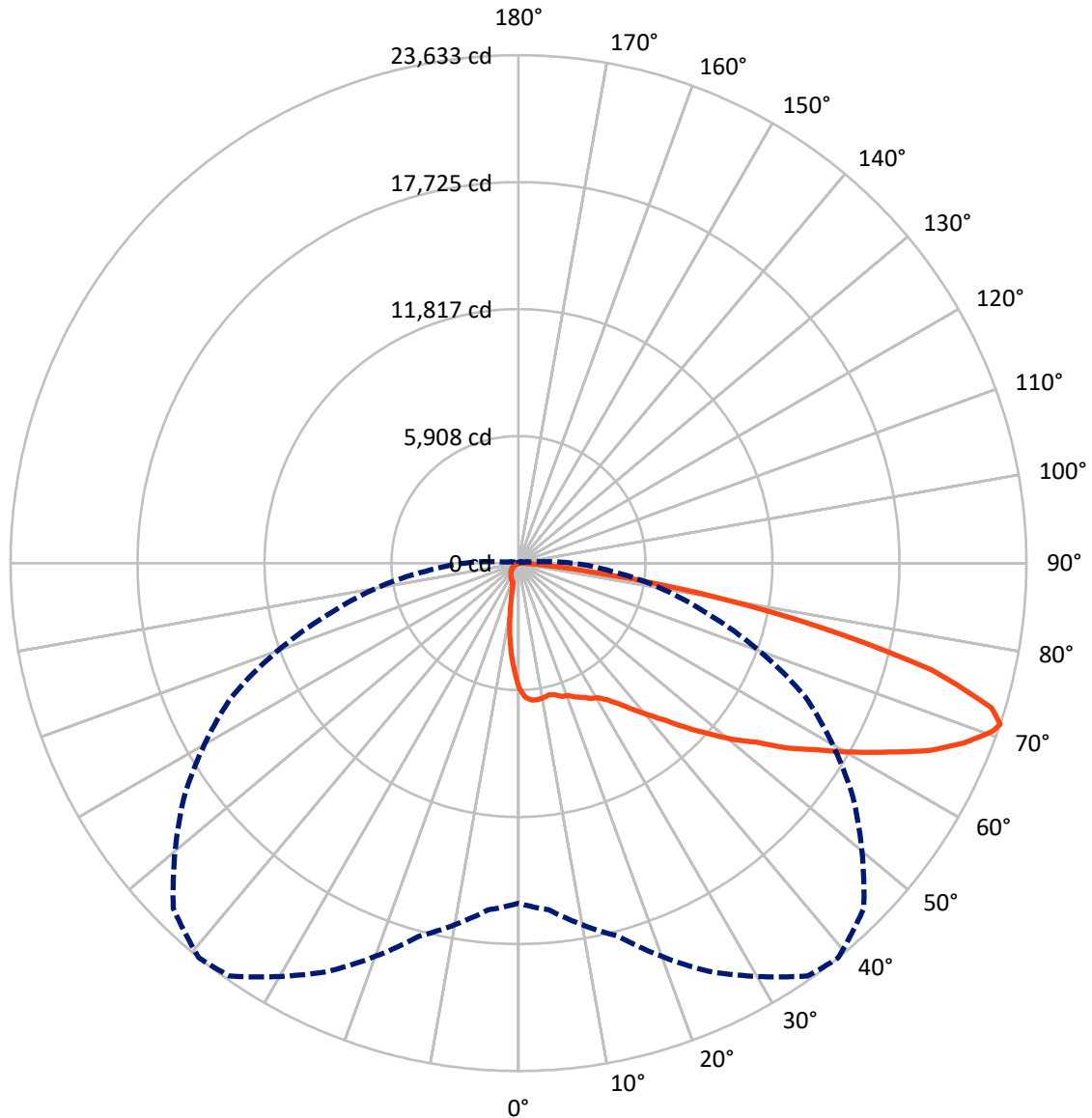
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P484817  
CATALOG NUMBER: IFLD-L-SA8B-740-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P484817

CATALOG NUMBER: IFLD-L-SA8B-740-U-SL4-HSS

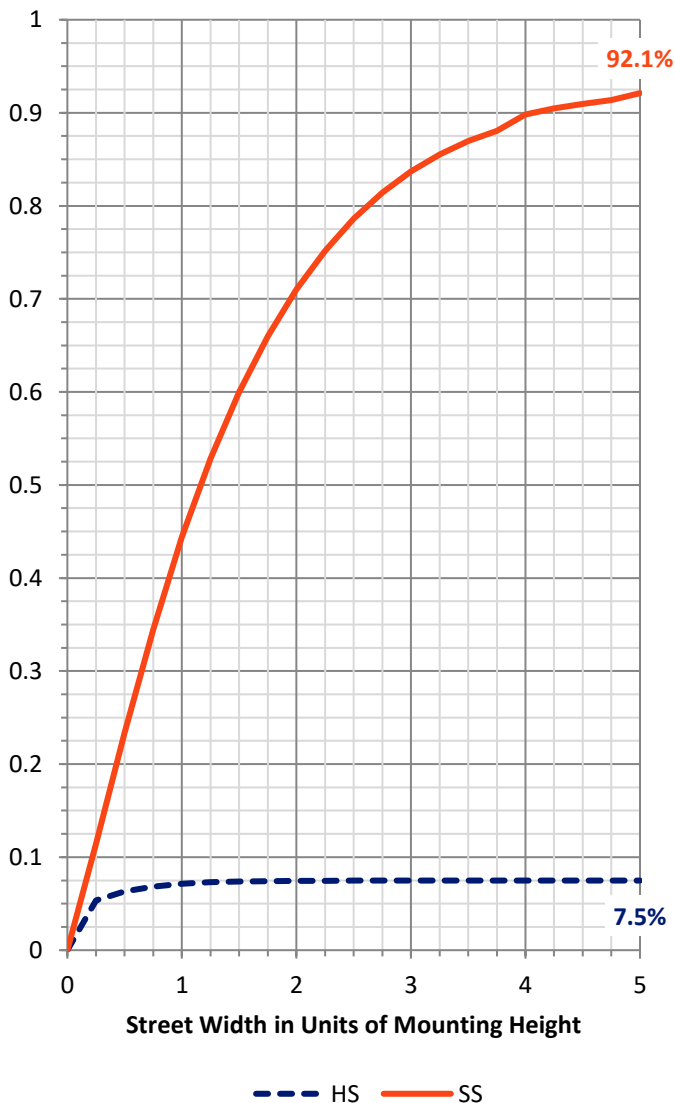
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2531.2	0.0	2531.2
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	31090.7	0.0	31090.7
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	33621.9	0.0	33621.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	489.3	1.5
10°-20°	1204.3	3.6
20°-30°	1933.3	5.8
30°-40°	2959.4	8.8
40°-50°	4750.3	14.1
50°-60°	6977.4	20.8
60°-70°	8787.8	26.1
70°-80°	5864.8	17.4
80°-90°	655.4	1.9
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°	33621.9	100.0
0°-180°	33621.9	100.0



REPORT NUMBER: P484817

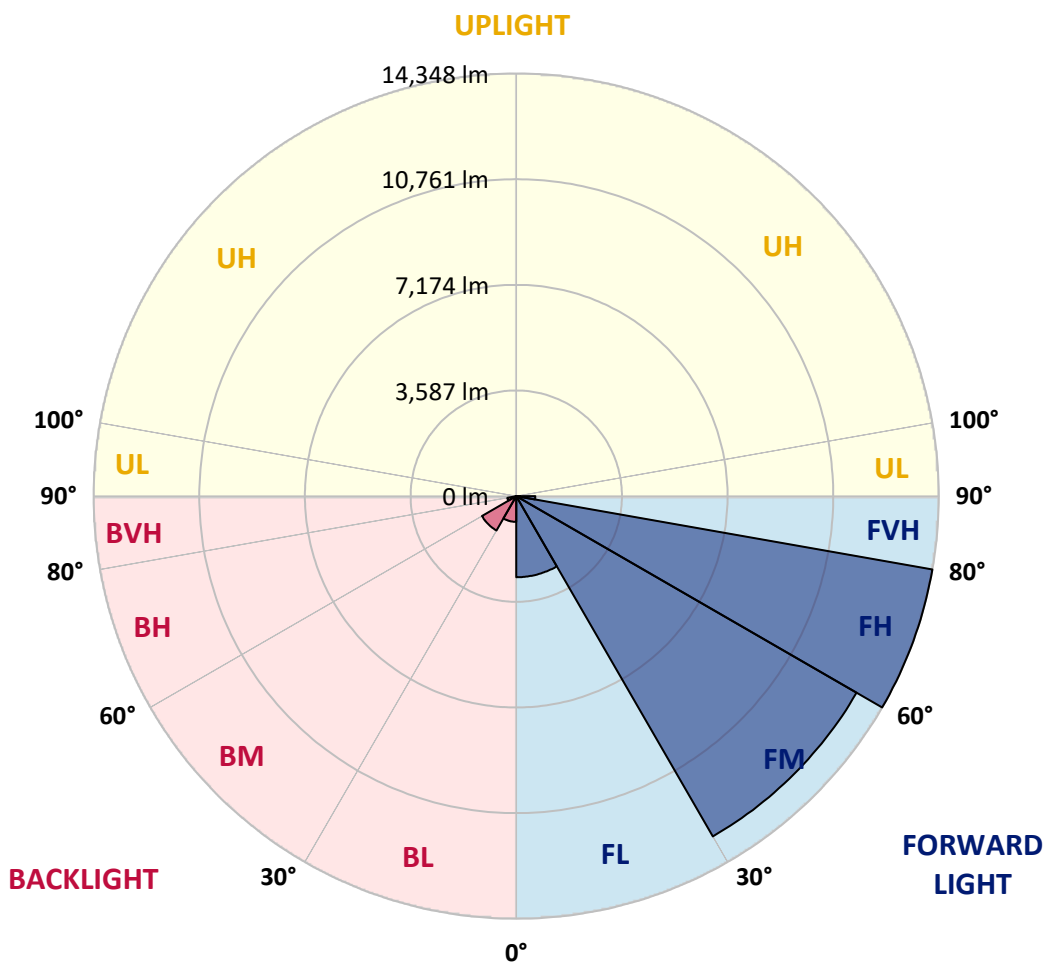
CATALOG NUMBER: IFLD-L-SA8B-740-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2752.9	8.2			
FM (30°-60°)	13341.7	39.7			
FH (60°-80°)	14347.9	42.7			G5
FVH (80°-90°)	648.2	1.9			G4/750
BL (0°-30°)	873.9	2.6	B2/1000		
BM (30°-60°)	1345.4	4.0	B2/2500		
BH (60°-80°)	304.7	0.9	B1/500		G1/500
BVH (80°-90°)	7.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short





REPORT NUMBER: P484817

CATALOG NUMBER: IFLD-L-SA8B-740-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1
2.5°	6306.3	6368.1	6306.3	6279.9	6253.4	6257.8	6187.3	6200.5	6116.7	6006.5	5918.3
5°	6504.8	6588.6	6522.4	6491.6	6487.1	6403.4	6368.1	6284.3	6182.9	6010.9	5905.0
7.5°	6487.1	6469.5	6500.4	6473.9	6416.6	6416.6	6376.9	6257.8	6156.4	5962.4	5781.5
10°	6354.8	6407.8	6381.3	6350.4	6363.7	6368.1	6293.1	6209.3	6178.4	5984.4	5688.9
12.5°	6341.6	6253.4	6350.4	6354.8	6297.5	6293.1	6284.3	6262.2	6165.2	5988.8	5711.0
15°	6297.5	6262.2	6359.3	6363.7	6376.9	6363.7	6376.9	6359.3	6262.2	6160.8	5808.0
17.5°	6332.8	6293.1	6429.8	6496.0	6465.1	6526.8	6504.8	6425.4	6341.6	6222.5	5900.6
20°	6341.6	6398.9	6548.9	6575.3	6672.4	6570.9	6566.5	6482.7	6429.8	6301.9	5957.9
22.5°	6504.8	6531.2	6716.5	6773.8	6778.2	6765.0	6654.7	6557.7	6535.7	6376.9	5971.2
25°	6751.8	6844.4	6928.2	6963.4	6976.7	6914.9	6800.3	6676.8	6623.9	6522.4	6107.9
27.5°	7188.3	7131.0	7206.0	7258.9	7109.0	7131.0	6985.5	6879.6	6804.7	6716.5	6266.6
30°	7576.4	7523.5	7527.9	7519.1	7391.2	7272.1	7232.4	7047.2	6954.6	6989.9	6513.6
32.5°	7924.8	7810.2	7907.2	7863.1	7624.9	7589.7	7558.8	7325.1	7342.7	7505.9	6884.1
35°	8246.7	8207.1	8286.4	8207.1	8048.3	8039.5	8008.6	7805.7	7902.8	8136.5	7519.1
37.5°	8542.2	8555.5	8652.5	8612.8	8626.0	8634.8	8617.2	8401.1	8678.9	9203.7	8260.0
40°	8815.6	8798.0	9036.1	9159.6	9186.1	9283.1	9283.1	9230.2	9658.0	10248.9	9287.5
42.5°	9106.7	9150.8	9459.5	9666.8	9918.1	10001.9	10116.6	10143.1	10804.6	11479.3	10337.1
45°	9583.0	9508.0	9900.5	10390.0	10610.5	10906.0	11082.4	11232.3	12030.6	12956.7	11386.7
47.5°	10187.2	10037.2	10381.2	11091.2	11602.8	11845.3	12162.9	12361.3	13141.9	14098.9	12378.9
50°	10857.5	10703.1	10870.7	11849.7	12445.1	12886.1	13291.8	13543.2	14486.9	15377.8	13102.2
52.5°	11616.0	11474.9	11501.3	12639.1	13516.7	13838.7	14372.3	14747.1	15686.5	16149.5	13358.0
55°	12423.0	12387.8	12304.0	13410.9	14456.1	15179.3	15501.2	15951.1	16916.9	16568.5	13635.8
57.5°	13234.5	13124.2	13243.3	14434.0	15964.3	16396.5	16841.9	17110.9	17600.4	16934.5	13530.0
60°	13997.4	14006.2	14173.8	15545.3	17247.6	17860.6	18261.9	18098.7	18301.6	17093.3	13287.4
62.5°	14641.3	14623.6	15047.0	16793.4	18945.5	19360.0	19659.9	18932.2	18628.0	17247.6	12864.0
65°	15219.0	15417.5	16083.4	18279.6	20541.9	21018.2	20837.4	19721.6	18945.5	16793.4	11673.3
67.5°	15655.6	15951.1	17106.5	19677.5	22006.0	22341.2	22089.8	20321.4	18570.6	15011.7	9508.0
70°	15911.4	16211.3	17838.6	20841.8	23174.7	23417.2	22826.3	19858.3	16383.2	10870.7	5931.5
71°	15832.0	16198.0	17979.7	20965.3	23452.5	23633.3	22716.0	19002.8	14733.9	9102.3	4326.2
72.5°	15113.2	15457.1	17393.1	20877.1	23117.4	23007.1	21856.1	16947.7	11598.4	5803.6	2235.9
75°	11104.4	11474.9	14927.9	18059.1	20634.5	19876.0	17688.6	11893.8	6050.6	1777.2	652.7
77.5°	5530.2	5591.9	9265.5	13111.0	15135.2	14381.1	11854.2	6632.7	2262.3	524.8	326.3
80°	2549.0	2566.6	3475.1	6791.4	9150.8	8612.8	6641.5	3272.2	1023.1	277.8	255.8
82.5°	1737.6	1764.0	2094.8	2813.6	3973.4	3351.6	2690.1	2094.8	586.5	167.6	251.4
85°	317.5	291.1	1173.1	1490.6	1534.7	1040.8	930.5	1812.5	220.5	97.0	220.5
87.5°	0.0	4.4	163.2	608.6	546.8	242.6	317.5	441.0	22.1	30.9	39.7
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: P484817

CATALOG NUMBER: IFLD-L-SA8B-740-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1	5852.1
2.5°	5843.3	5794.8	5631.6	5450.8	5287.6	5159.7	4996.6	4921.6	4802.5	4736.4	4732.0
5°	5759.5	5627.2	5345.0	5040.7	4701.1	4418.8	4105.7	3929.3	3726.5	3664.7	3651.5
7.5°	5618.4	5428.7	5014.2	4586.4	4066.0	3567.7	3184.0	2773.9	2522.5	2416.7	2377.0
10°	5530.2	5300.9	4736.4	4096.9	3369.3	2668.1	2130.0	1693.5	1464.1	1353.9	1327.4
12.5°	5530.2	5283.2	4511.5	3629.5	2663.7	1825.8	1318.6	1067.2	992.3	965.8	965.8
15°	5516.9	5247.9	4295.4	3148.8	1971.3	1226.0	983.4	930.5	921.7	917.3	912.9
17.5°	5583.1	5186.2	4074.9	2632.8	1393.6	965.8	904.1	895.2	886.4	886.4	877.6
20°	5631.6	5150.9	3810.3	2085.9	1040.8	895.2	868.8	855.5	851.1	846.7	855.5
22.5°	5591.9	5098.0	3483.9	1561.1	908.5	851.1	833.5	820.3	811.4	811.4	815.9
25°	5666.9	5049.5	3157.6	1177.5	851.1	811.4	793.8	785.0	780.6	776.2	767.3
27.5°	5768.3	5071.5	2769.5	948.2	802.6	771.8	754.1	745.3	740.9	732.1	740.9
30°	5891.8	5067.1	2341.7	829.1	758.5	727.7	710.0	705.6	696.8	692.4	696.8
32.5°	6103.5	5181.8	1900.7	767.3	710.0	683.6	665.9	661.5	657.1	652.7	648.3
35°	6557.7	5322.9	1486.2	718.8	665.9	635.0	621.8	613.0	608.6	604.2	599.8
37.5°	7117.8	5636.0	1133.4	674.7	621.8	590.9	577.7	573.3	555.7	551.3	546.8
40°	7819.0	5971.2	873.2	626.2	582.1	551.3	538.0	524.8	502.7	493.9	485.1
42.5°	8692.2	6297.5	718.8	582.1	538.0	516.0	493.9	471.9	454.2	436.6	427.8
45°	9565.3	6676.8	630.6	542.4	502.7	476.3	458.6	427.8	396.9	370.4	366.0
47.5°	10293.0	6813.5	577.7	498.3	467.5	445.4	419.0	379.3	335.2	308.7	304.3
50°	10835.4	6734.1	524.8	454.2	427.8	405.7	370.4	321.9	277.8	251.4	242.6
52.5°	10941.3	6385.7	476.3	419.0	388.1	361.6	321.9	269.0	220.5	194.0	189.6
55°	10866.3	5808.0	436.6	388.1	352.8	313.1	269.0	216.1	172.0	145.5	141.1
57.5°	10712.0	5124.5	392.5	348.4	308.7	269.0	220.5	176.4	127.9	101.4	101.4
60°	10187.2	4193.9	348.4	304.3	264.6	229.3	180.8	127.9	88.2	66.2	61.7
62.5°	9455.1	3223.7	304.3	260.2	229.3	189.6	141.1	92.6	52.9	35.3	35.3
65°	8118.9	2257.9	255.8	216.1	189.6	154.4	105.8	57.3	30.9	13.2	13.2
67.5°	6169.6	1398.0	211.7	180.8	163.2	123.5	75.0	35.3	13.2	4.4	0.0
70°	3541.3	727.7	167.6	145.5	127.9	92.6	52.9	17.6	8.8	0.0	0.0
71°	2474.0	538.0	149.9	127.9	114.7	83.8	44.1	13.2	4.4	0.0	0.0
72.5°	1239.2	357.2	127.9	105.8	92.6	66.2	35.3	13.2	4.4	0.0	0.0
75°	441.0	229.3	88.2	70.6	66.2	48.5	22.1	8.8	4.4	0.0	0.0
77.5°	304.3	185.2	61.7	44.1	44.1	30.9	13.2	4.4	4.4	0.0	0.0
80°	277.8	101.4	39.7	26.5	22.1	17.6	8.8	4.4	0.0	0.0	0.0
82.5°	277.8	75.0	22.1	17.6	13.2	8.8	4.4	0.0	0.0	0.0	0.0
85°	194.0	39.7	13.2	13.2	8.8	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	30.9	13.2	8.8	4.4	4.4	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)