

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: P483905

Luminaire Tested: **IFLD-S-SA6B-727-U-SL2-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P483905  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-727-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2  
distribution lens with House Side Shield  
Light Source: (96) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

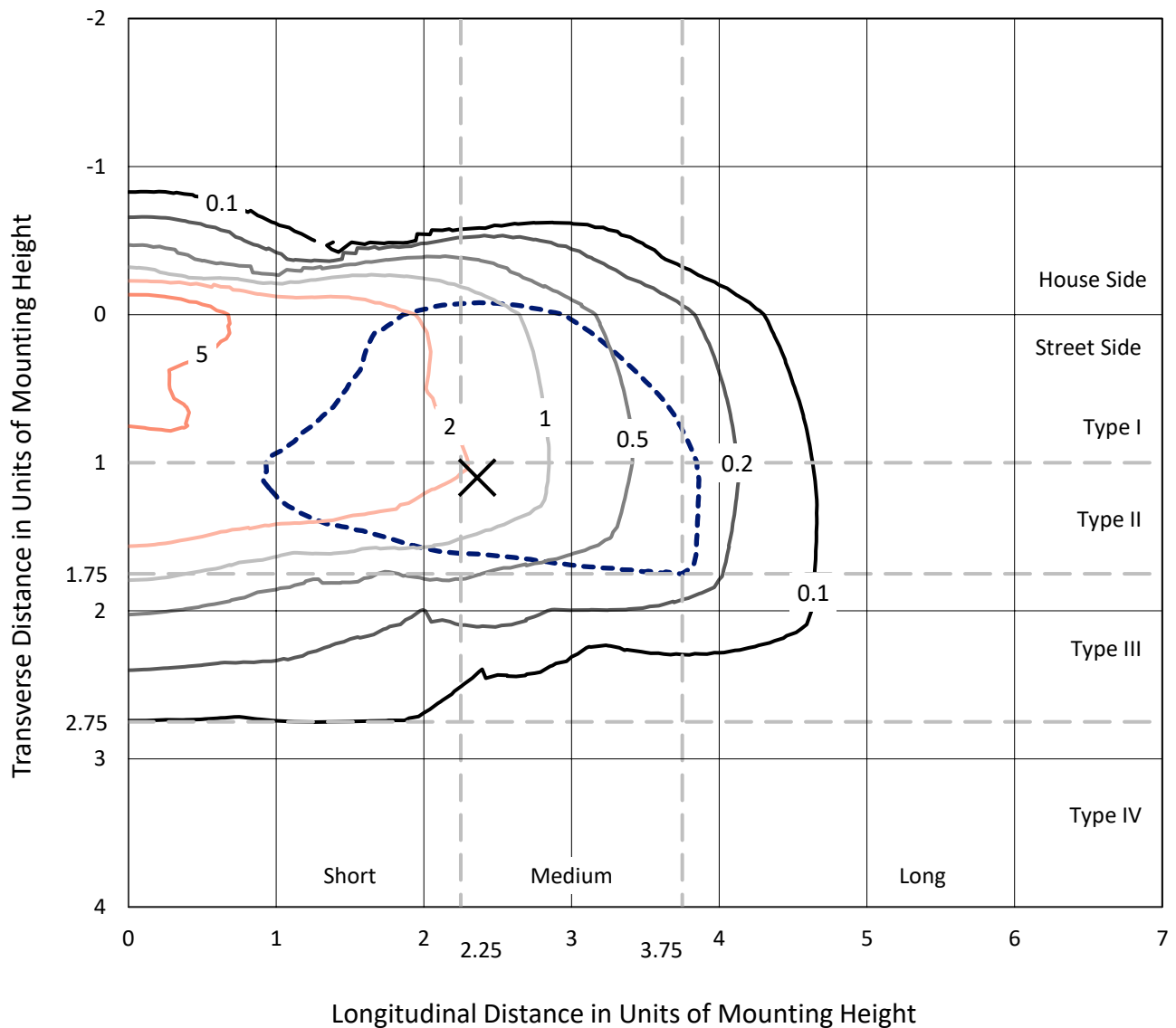
Lumens per Lamp: N/A  
Luminaire Lumens: 22975.9 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9  
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: P483905  
 CATALOG NUMBER: IFLD-S-SA6B-727-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

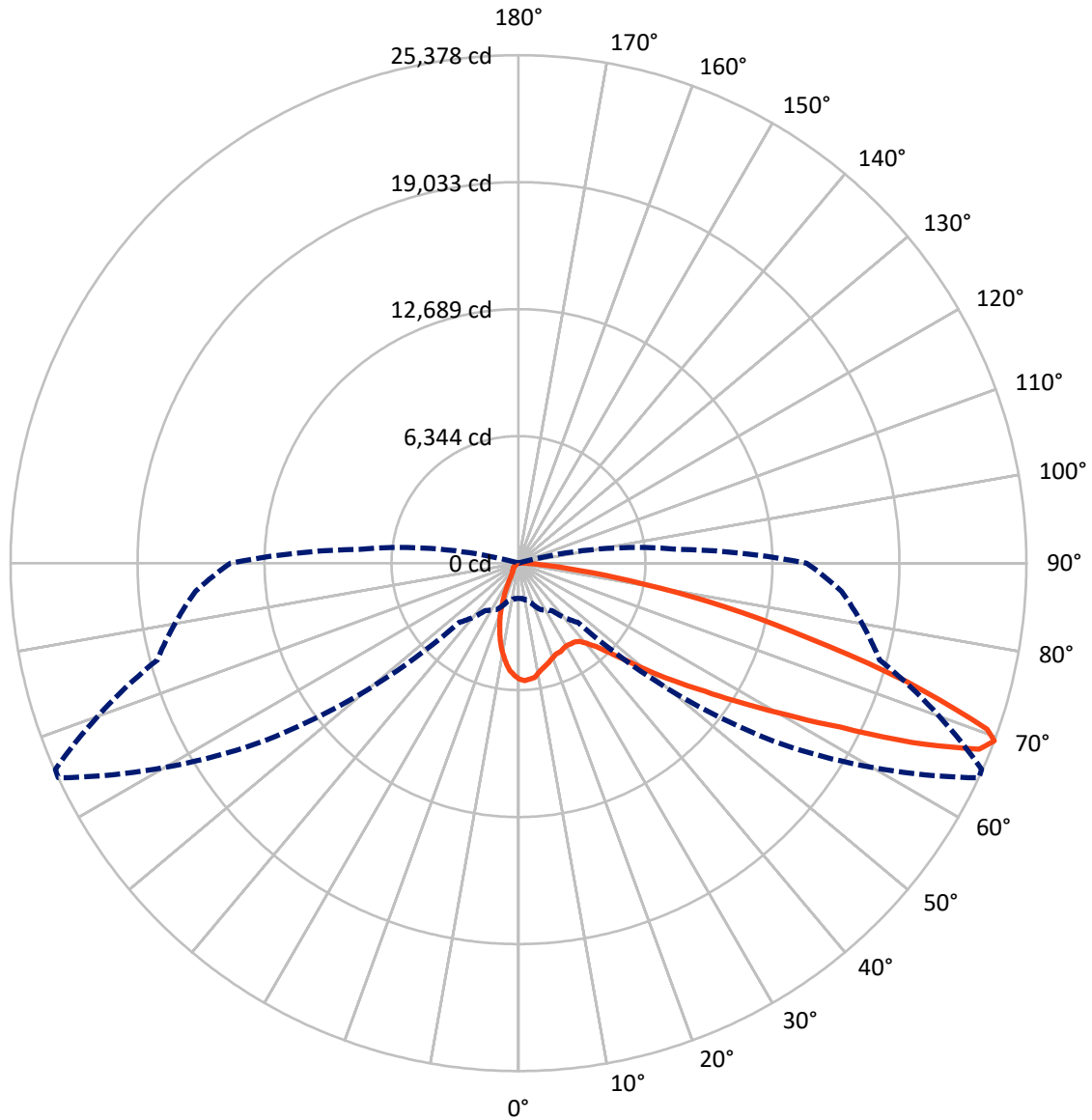
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P483905  
CATALOG NUMBER: IFLD-S-SA6B-727-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P483905  
 CATALOG NUMBER: IFLD-S-SA6B-727-U-SL2-HSS

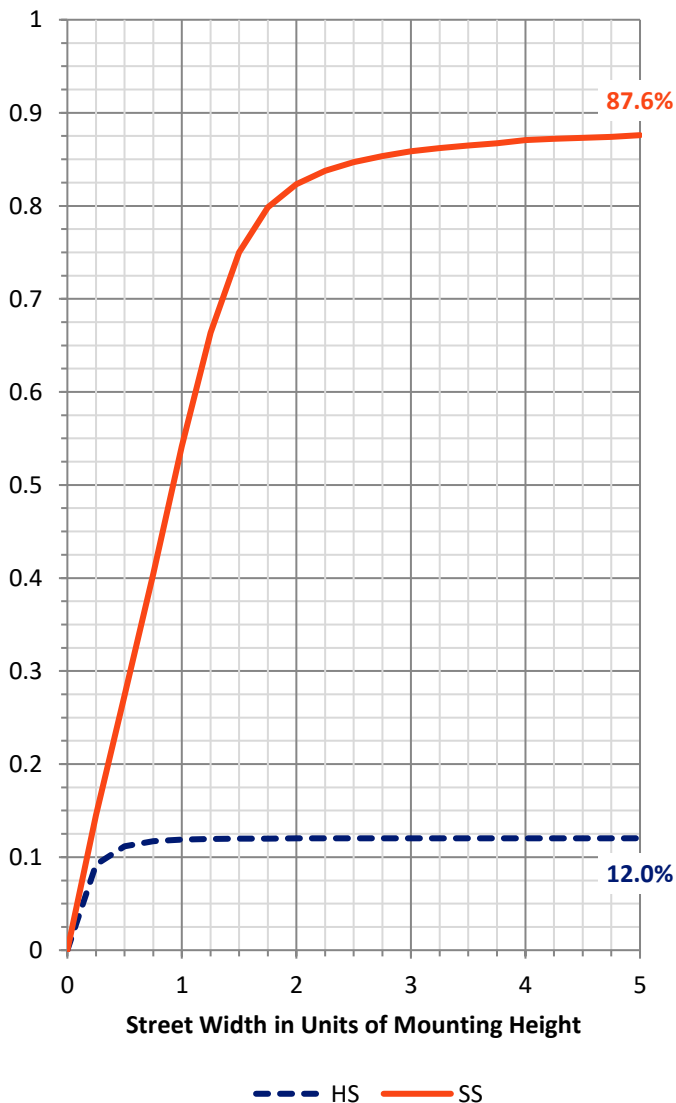
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2787.1	0.0	2787.1
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	20188.7	0.0	20188.7
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	22975.9	0.0	22975.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.0	2.1
10°-20°	1037.2	4.5
20°-30°	1444.0	6.3
30°-40°	2046.3	8.9
40°-50°	3224.9	14.0
50°-60°	5232.8	22.8
60°-70°	5844.0	25.4
70°-80°	3290.8	14.3
80°-90°	381.9	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°	22975.9	100.0
0°-180°	22975.9	100.0

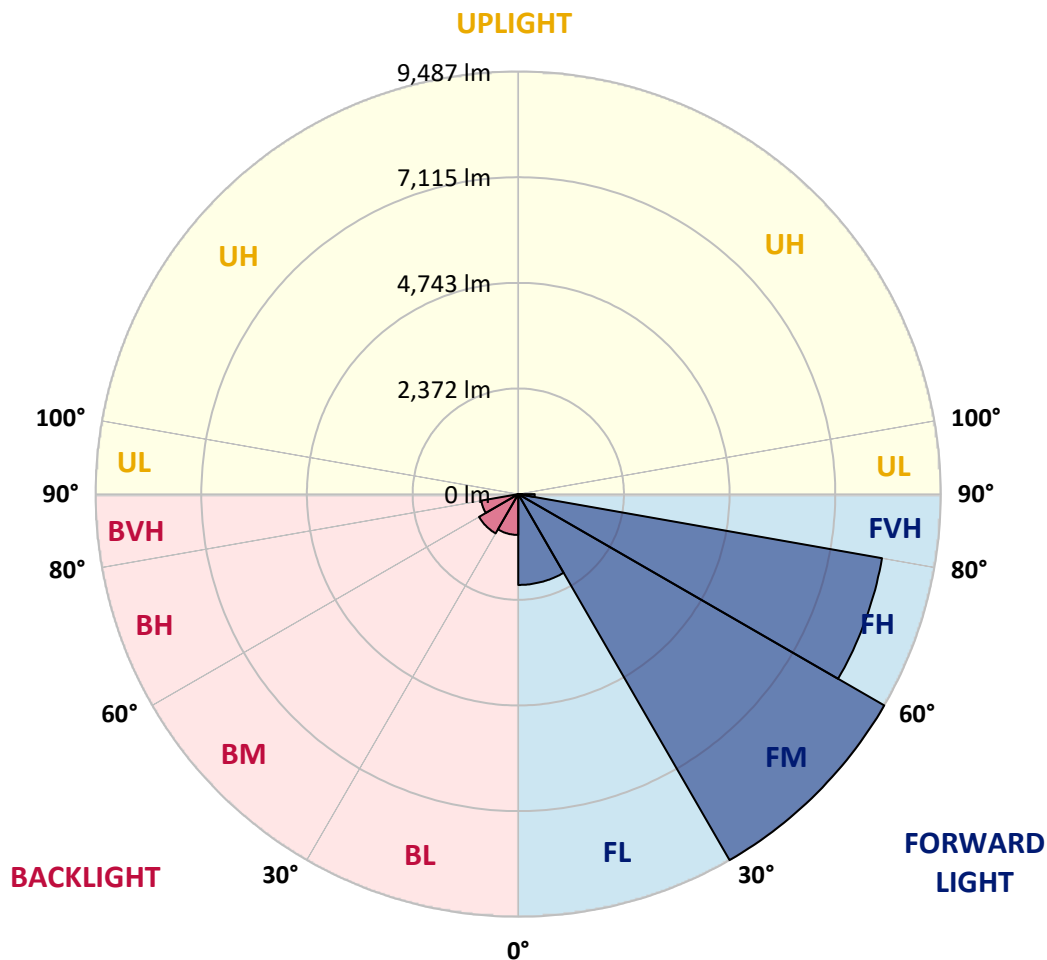


REPORT NUMBER: P483905  
 CATALOG NUMBER: IFLD-S-SA6B-727-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2038.9	8.9			
FM (30°-60°)	9486.9	41.3			
FH (60°-80°)	8291.6	36.1			G4/12000
FVH (80°-90°)	371.3	1.6			G3/500
BL (0°-30°)	916.3	4.0	B2/1000		
BM (30°-60°)	1017.0	4.4	B2/2500		
BH (60°-80°)	843.3	3.7	B2/1000		G2/1000
BVH (80°-90°)	10.5	0.0			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 II Medium





REPORT NUMBER: P483905

CATALOG NUMBER: IFLD-S-SA6B-727-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7
2.5°	5578.9	5622.3	5634.7	5678.1	5699.8	5792.7	5845.4	5876.4	5860.9	5895.0	5898.1
5°	5182.2	5157.4	5222.5	5269.0	5368.1	5529.3	5693.6	5820.6	5879.5	5935.3	5926.0
7.5°	4757.6	4745.2	4810.2	4915.6	5005.5	5200.8	5464.2	5777.2	5764.9	5901.2	5941.5
10°	4466.2	4478.6	4500.3	4605.7	4739.0	4937.3	5265.9	5557.2	5622.3	5910.5	5991.1
12.5°	4199.7	4221.4	4261.7	4370.1	4525.1	4729.7	5048.9	5389.8	5489.0	5857.8	6019.0
15°	4112.9	4063.3	4143.9	4224.5	4385.6	4568.5	4838.1	5262.8	5306.1	5795.8	6065.5
17.5°	4041.6	4010.6	4047.8	4112.9	4283.3	4432.1	4686.3	5126.4	5207.0	5771.1	6059.3
20°	4063.3	4035.4	4050.9	4100.5	4178.0	4317.4	4553.0	4996.2	5083.0	5656.4	6050.0
22.5°	4125.3	4147.0	4119.1	4131.5	4156.3	4227.6	4481.7	4903.2	4977.6	5634.7	6102.7
25°	4404.2	4367.0	4329.8	4314.3	4168.7	4199.7	4460.0	4897.0	4949.7	5557.2	6059.3
27.5°	4695.6	4664.6	4649.1	4559.2	4360.8	4267.9	4463.1	4810.2	4881.5	5526.2	6006.6
30°	5048.9	5089.2	5027.2	4918.7	4642.9	4413.5	4497.2	4766.9	4866.0	5408.4	5972.5
32.5°	5420.8	5442.5	5473.5	5392.9	5036.5	4633.6	4599.5	4807.1	4813.3	5408.4	5895.0
35°	5842.3	5811.3	5891.9	5898.1	5585.1	5024.1	4794.7	4835.0	4900.1	5383.6	5867.1
37.5°	6205.0	6257.7	6350.6	6499.4	6177.1	5575.8	5098.5	4965.2	4993.1	5498.3	5888.8
40°	6601.7	6654.4	6865.1	7013.9	6831.0	6195.7	5560.3	5269.0	5290.6	5668.8	6000.4
42.5°	7038.7	7141.0	7392.0	7652.4	7602.8	6982.9	6155.4	5715.3	5706.0	6093.4	6229.8
45°	7630.7	7767.1	8039.8	8340.4	8383.8	7884.8	6948.8	6381.6	6412.6	6648.2	6704.0
47.5°	8455.1	8448.9	8715.5	9050.2	9301.2	8820.8	7897.2	7277.4	7274.3	7525.3	7407.5
50°	9251.7	9254.8	9326.0	9713.5	10364.3	10119.5	9071.9	8467.5	8433.4	8557.4	8368.3
52.5°	9620.5	9577.1	9524.4	9992.4	11182.6	11756.0	10559.6	9815.7	9787.9	9713.5	9663.9
55°	9233.1	9248.6	9245.5	9732.1	11613.4	13482.3	12468.8	11300.4	11253.9	11021.4	11089.6
57.5°	7990.2	7940.6	8049.1	8808.4	11120.6	14660.1	15199.4	13172.4	13051.5	12279.8	12124.8
60°	5947.7	5963.2	6053.1	6948.8	9896.3	14908.0	17812.2	15369.8	14849.1	13166.2	12952.3
62.5°	4153.2	4122.2	4156.3	4658.4	7075.9	13916.2	19578.8	18041.5	17539.4	14173.5	14049.5
65°	2972.3	2932.0	3068.4	3375.2	4249.3	10640.2	19829.9	21599.6	21150.2	15782.1	15484.5
67.5°	2138.6	2132.4	2290.4	2848.3	3018.8	6127.5	17970.2	24823.0	24550.2	17691.3	16358.5
69°	1769.7	1772.8	1924.7	2550.8	2882.4	4184.2	15462.8	25377.7	25328.2	18676.9	16194.3
70°	1543.5	1555.9	1732.6	2374.1	2826.6	3440.3	13330.4	24832.3	24782.7	18869.0	15651.9
72.5°	951.5	960.8	1193.3	1903.0	2687.2	2808.0	7971.6	20316.5	20486.9	17988.8	13485.4
75°	455.6	458.7	626.1	1376.1	2591.1	2662.4	4270.9	14991.7	15351.2	14523.7	10537.9
77.5°	241.8	241.8	300.6	731.5	2098.3	2504.3	2535.3	10575.1	10872.6	9183.5	5991.1
80°	120.9	124.0	182.9	381.2	1301.7	2454.7	1980.5	6307.2	6468.4	3747.2	1865.8
82.5°	46.5	49.6	86.8	229.4	675.7	2073.5	1738.8	3102.5	3062.2	877.1	455.6
85°	6.2	6.2	31.0	136.4	288.2	914.3	1435.0	1295.5	1252.2	192.2	220.1
87.5°	0.0	0.0	6.2	40.3	86.8	266.5	554.8	356.4	396.7	52.7	108.5
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: P483905

CATALOG NUMBER: IFLD-S-SA6B-727-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7	5792.7
2.5°	5882.6	5817.5	5718.4	5622.3	5520.0	5396.0	5259.7	5210.1	5123.3	5117.1	5166.7
5°	5876.4	5771.1	5597.5	5392.9	5101.6	4881.5	4642.9	4469.3	4336.0	4249.3	4270.9
7.5°	5907.4	5780.3	5479.7	5039.6	4664.6	4227.6	3858.7	3604.6	3372.1	3257.5	3245.1
10°	5857.8	5687.4	5247.3	4630.5	4078.8	3468.2	2928.9	2588.0	2240.9	2113.8	2120.0
12.5°	5885.7	5647.1	4996.2	4209.0	3449.6	2656.2	2011.5	1546.6	1221.2	1115.8	1103.4
15°	5904.3	5560.3	4754.5	3703.8	2752.3	1810.0	1165.4	877.1	774.8	756.2	753.2
17.5°	5833.0	5454.9	4413.5	3204.8	2039.4	1100.3	774.8	716.0	697.4	685.0	678.8
20°	5829.9	5392.9	4119.1	2693.4	1360.6	750.1	669.5	647.8	619.9	610.6	610.6
22.5°	5777.2	5262.8	3765.8	2132.4	867.8	644.7	601.3	567.2	536.2	523.8	520.7
25°	5761.8	5110.9	3434.1	1602.4	660.2	576.5	533.1	483.5	446.3	427.7	418.4
27.5°	5718.4	4980.7	3099.4	1128.2	576.5	514.5	458.7	406.0	362.6	334.7	331.6
30°	5563.4	4844.3	2727.5	781.0	523.8	455.6	393.6	331.6	288.2	269.6	263.4
32.5°	5498.3	4717.3	2321.4	601.3	477.3	402.9	331.6	275.8	241.8	223.2	220.1
35°	5420.8	4531.3	1927.8	523.8	433.9	350.2	278.9	232.5	204.6	189.1	189.1
37.5°	5430.1	4382.5	1559.0	474.2	387.4	300.6	238.7	198.4	173.6	158.1	158.1
40°	5402.2	4264.8	1211.9	430.8	344.0	257.2	201.5	167.4	145.7	130.2	127.1
42.5°	5529.3	4233.8	914.3	393.6	300.6	220.1	173.6	142.6	120.9	102.3	102.3
45°	5743.2	4283.3	712.9	359.5	257.2	189.1	148.8	117.8	96.1	83.7	80.6
47.5°	6313.4	4478.6	557.9	331.6	220.1	164.3	124.0	96.1	77.5	65.1	62.0
50°	7141.0	4915.6	474.2	291.3	186.0	139.5	102.3	74.4	62.0	49.6	46.5
52.5°	8318.7	5650.2	430.8	257.2	155.0	114.7	80.6	58.9	46.5	37.2	34.1
55°	9601.9	6567.6	390.5	217.0	130.2	93.0	65.1	46.5	34.1	24.8	21.7
57.5°	10603.0	7361.0	356.4	179.8	105.4	74.4	49.6	34.1	24.8	15.5	12.4
60°	11697.1	7918.9	313.0	142.6	86.8	55.8	37.2	24.8	18.6	9.3	9.3
62.5°	12825.2	8572.9	257.2	111.6	68.2	43.4	27.9	18.6	12.4	3.1	3.1
65°	14393.5	9084.3	198.4	86.8	52.7	31.0	21.7	15.5	6.2	0.0	0.0
67.5°	14836.7	8833.2	145.7	68.2	37.2	21.7	15.5	9.3	3.1	0.0	0.0
69°	14393.5	7956.1	127.1	58.9	31.0	18.6	12.4	6.2	3.1	0.0	0.0
70°	13584.6	7274.3	111.6	49.6	27.9	18.6	9.3	6.2	3.1	0.0	0.0
72.5°	11362.3	5578.9	86.8	37.2	21.7	15.5	9.3	6.2	0.0	0.0	0.0
75°	8334.2	3446.5	65.1	27.9	18.6	12.4	9.3	6.2	0.0	0.0	0.0
77.5°	4466.2	1258.3	46.5	18.6	12.4	9.3	9.3	6.2	0.0	0.0	0.0
80°	1224.3	371.9	34.1	12.4	9.3	6.2	6.2	3.1	0.0	0.0	0.0
82.5°	334.7	96.1	21.7	12.4	9.3	6.2	3.1	0.0	0.0	0.0	0.0
85°	179.8	37.2	12.4	9.3	6.2	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	93.0	12.4	9.3	6.2	6.2	3.1	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)