

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: P483883

Luminaire Tested: **IFLD-L-SA8D-722-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483883  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-722-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

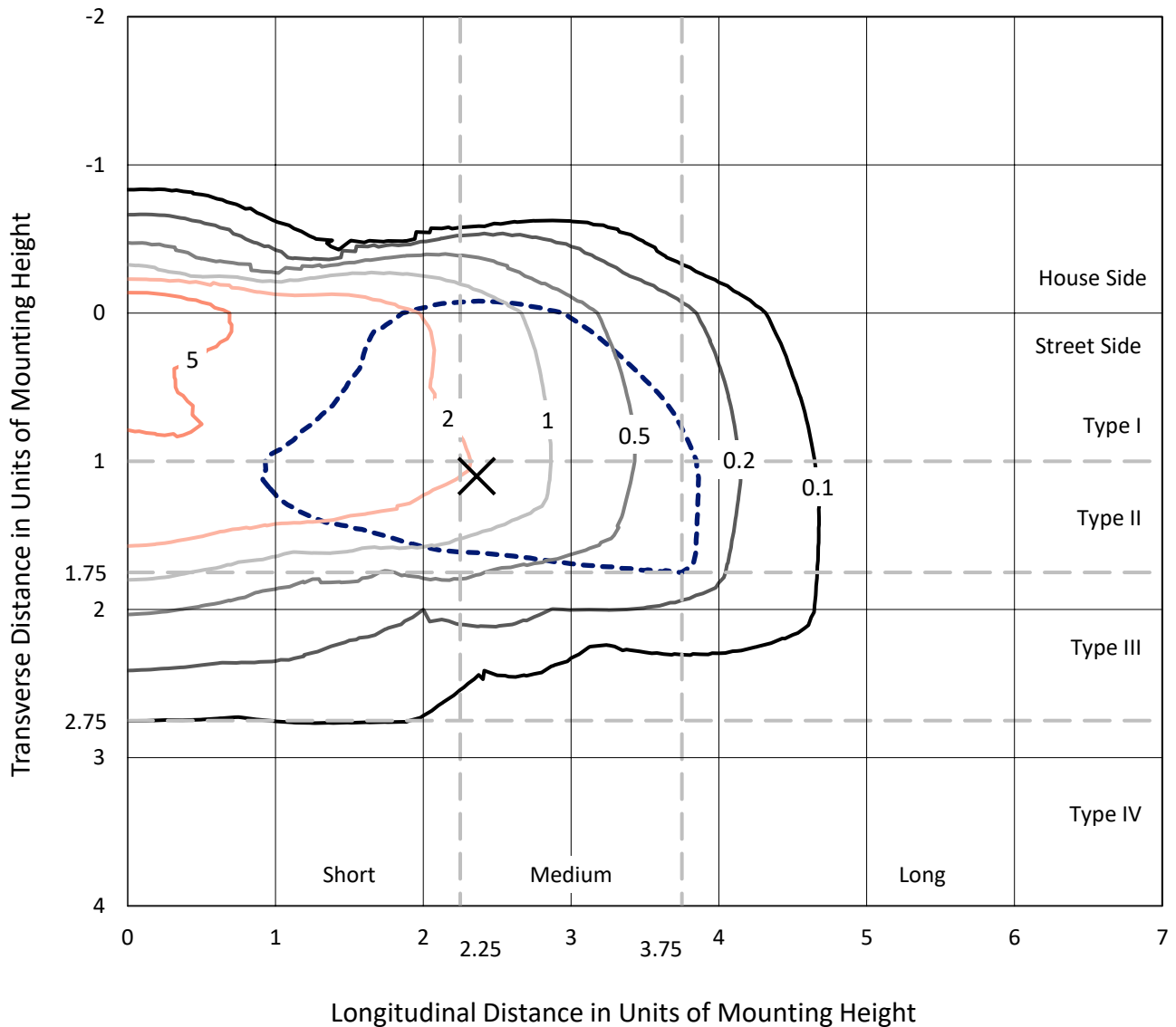
Lumens per Lamp: N/A  
Luminaire Lumens: 33797.6 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 488.3  
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: P483883  
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

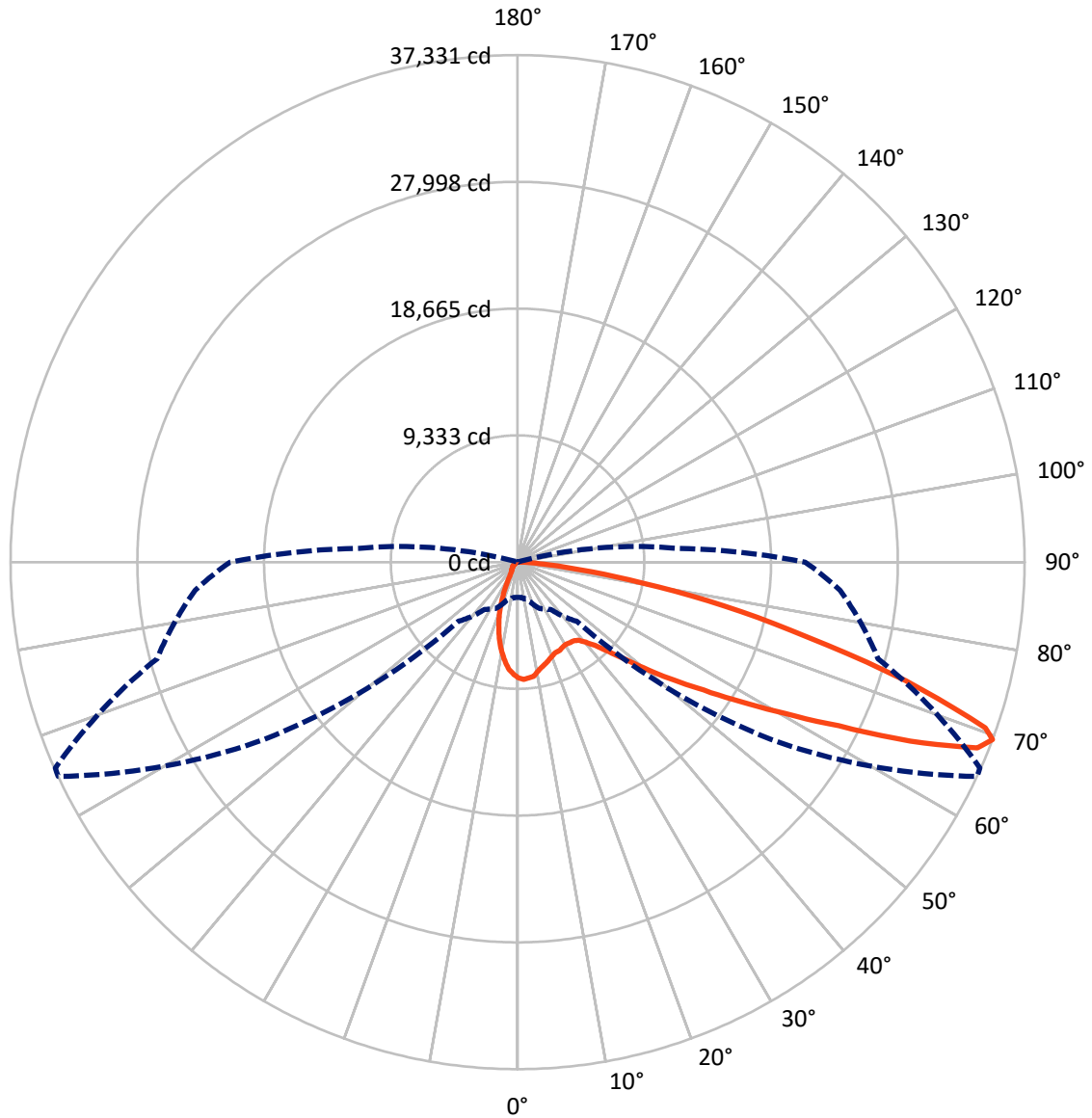
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P483883  
CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P483883

CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2-HSS

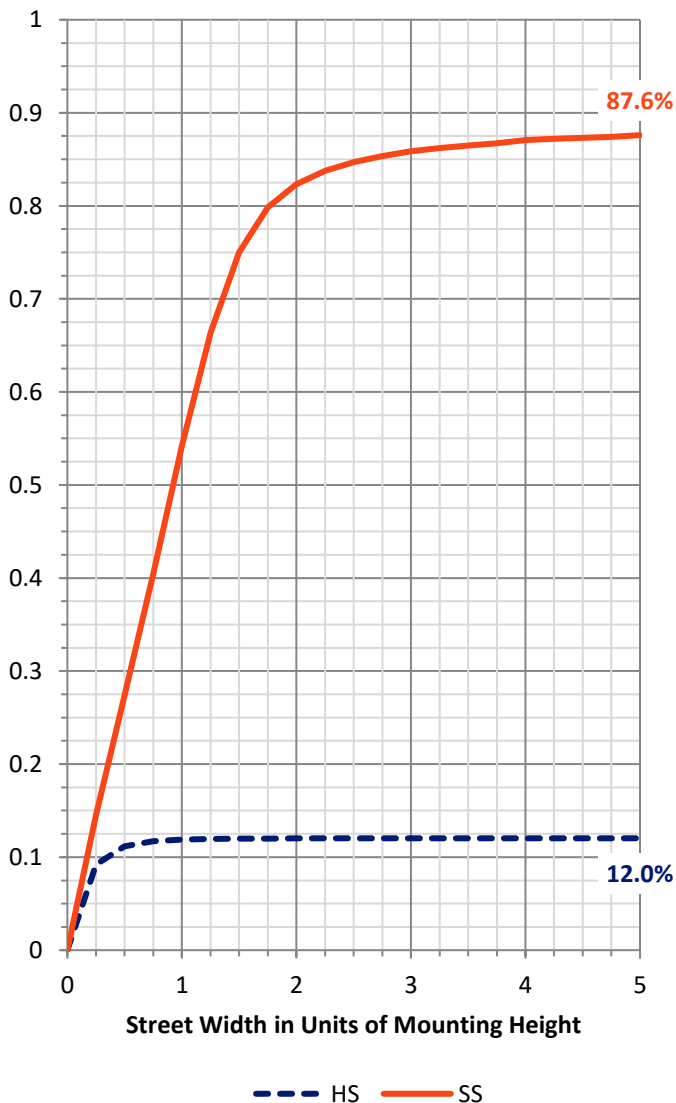
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4099.9	0.0	4099.9
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	29697.7	0.0	29697.7
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	33797.6	0.0	33797.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	697.3	2.1
10°-20°	1525.7	4.5
20°-30°	2124.1	6.3
30°-40°	3010.1	8.9
40°-50°	4743.8	14.0
50°-60°	7697.5	22.8
60°-70°	8596.6	25.4
70°-80°	4840.8	14.3
80°-90°	561.7	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°	33797.6	100.0
0°-180°	33797.6	100.0



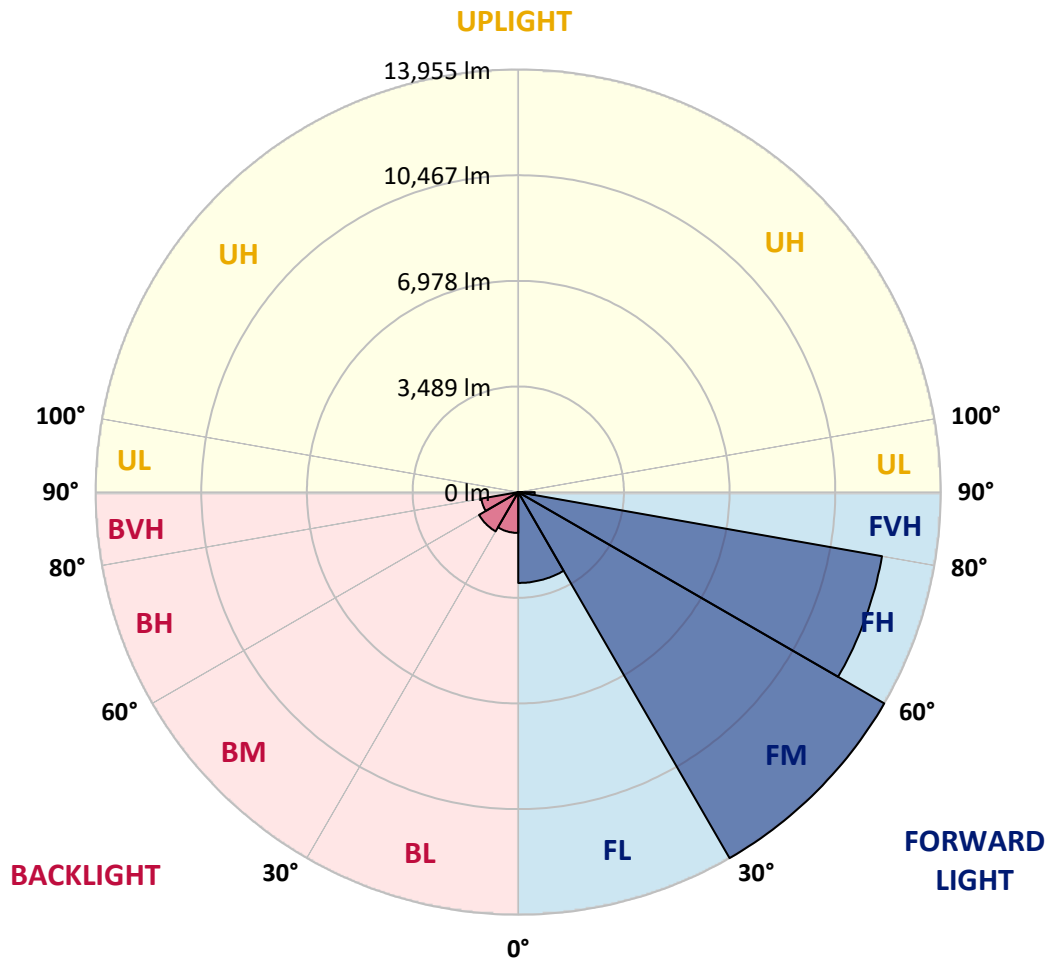
REPORT NUMBER: P483883  
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2999.2	8.9			
FM (30°-60°)	13955.3	41.3			
FH (60°-80°)	12197.0	36.1			G5
FVH (80°-90°)	546.2	1.6			G4/750
BL (0°-30°)	1347.9	4.0	B3/2500		
BM (30°-60°)	1496.0	4.4	B2/2500		
BH (60°-80°)	1240.4	3.7	B3/2500		G3/2500
BVH (80°-90°)	15.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type II Medium





REPORT NUMBER: P483883

CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2
2.5°	8206.6	8270.4	8288.6	8352.5	8384.4	8521.2	8598.7	8644.3	8621.5	8671.6	8676.2
5°	7623.0	7586.5	7682.3	7750.7	7896.5	8133.6	8375.3	8562.2	8648.8	8730.9	8717.2
7.5°	6998.4	6980.1	7075.9	7230.9	7363.1	7650.3	8037.9	8498.4	8480.1	8680.7	8740.0
10°	6569.8	6588.1	6620.0	6775.0	6971.0	7262.8	7746.1	8174.7	8270.4	8694.4	8812.9
12.5°	6177.7	6209.6	6268.9	6428.5	6656.4	6957.3	7426.9	7928.5	8074.4	8616.9	8854.0
15°	6050.1	5977.1	6095.7	6214.2	6451.3	6720.3	7116.9	7741.5	7805.4	8525.7	8922.4
17.5°	5945.2	5899.6	5954.3	6050.1	6300.8	6519.7	6893.5	7540.9	7659.5	8489.2	8913.2
20°	5977.1	5936.1	5958.9	6031.8	6145.8	6351.0	6697.5	7349.4	7477.1	8320.6	8899.6
22.5°	6068.3	6100.2	6059.2	6077.4	6113.9	6218.8	6592.6	7212.7	7322.1	8288.6	8977.1
25°	6478.6	6423.9	6369.2	6346.4	6132.1	6177.7	6560.7	7203.5	7281.1	8174.7	8913.2
27.5°	6907.2	6861.6	6838.8	6706.6	6414.8	6278.0	6565.3	7075.9	7180.8	8129.1	8835.7
30°	7426.9	7486.2	7395.0	7235.5	6829.7	6492.3	6615.4	7012.1	7158.0	7955.8	8785.6
32.5°	7974.1	8006.0	8051.6	7933.0	7408.7	6816.0	6765.9	7071.3	7080.4	7955.8	8671.6
35°	8594.1	8548.5	8667.1	8676.2	8215.7	7390.5	7053.1	7112.4	7208.1	7919.3	8630.6
37.5°	9127.5	9205.0	9341.8	9560.7	9086.5	8202.0	7499.9	7303.8	7344.9	8088.0	8662.5
40°	9711.1	9788.6	10098.6	10317.5	10048.5	9113.9	8179.2	7750.7	7782.6	8338.8	8826.6
42.5°	10354.0	10504.4	10873.7	11256.7	11183.7	10271.9	9054.6	8407.2	8393.5	8963.4	9164.0
45°	11224.8	11425.4	11826.6	12268.8	12332.7	11598.6	10221.7	9387.4	9433.0	9779.5	9861.6
47.5°	12437.5	12428.4	12820.5	13312.9	13682.2	12975.5	11616.9	10705.0	10700.5	11069.8	10896.5
50°	13609.2	13613.8	13718.7	14288.6	15246.0	14885.8	13344.8	12455.8	12405.6	12588.0	12309.9
52.5°	14151.8	14087.9	14010.4	14698.9	16449.6	17293.1	15533.2	14439.0	14398.0	14288.6	14215.6
55°	13581.9	13604.7	13600.1	14315.9	17083.3	19832.6	18341.7	16622.9	16554.5	16212.5	16312.8
57.5°	11753.6	11680.7	11840.3	12957.3	16358.4	21565.0	22358.4	19376.6	19198.8	18063.6	17835.6
60°	8749.1	8771.9	8904.1	10221.7	14557.5	21929.8	26201.8	22609.1	21843.2	19367.5	19052.9
62.5°	6109.3	6063.7	6113.9	6852.5	10408.7	20470.8	28800.5	26539.1	25800.6	20849.3	20666.9
65°	4372.3	4313.0	4513.6	4965.0	6250.7	15651.8	29169.8	31773.1	31112.0	23215.5	22777.8
67.5°	3145.9	3136.7	3369.3	4189.9	4440.7	9013.6	26434.3	36514.7	36113.5	26024.0	24063.5
69°	2603.3	2607.9	2831.3	3752.2	4240.1	6154.9	22745.9	37330.8	37257.8	27473.8	23821.9
70°	2270.5	2288.7	2548.6	3492.4	4158.0	5060.7	19609.1	36528.4	36455.4	27756.5	23024.0
72.5°	1399.7	1413.4	1755.3	2799.4	3952.8	4130.6	11726.3	29885.6	30136.4	26461.6	19837.1
75°	670.2	674.8	921.0	2024.3	3811.5	3916.4	6282.6	22052.9	22581.8	21364.4	15501.3
77.5°	355.6	355.6	442.2	1076.0	3086.6	3683.8	3729.4	15556.0	15993.7	13508.9	8812.9
80°	177.8	182.4	269.0	560.8	1914.9	3610.9	2913.3	9278.0	9515.1	5512.1	2744.6
82.5°	68.4	72.9	127.7	337.4	993.9	3050.1	2557.7	4563.8	4504.5	1290.3	670.2
85°	9.1	9.1	45.6	200.6	424.0	1345.0	2110.9	1905.7	1841.9	282.7	323.7
87.5°	0.0	0.0	9.1	59.3	127.7	392.1	816.1	524.3	583.6	77.5	159.6
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: P483883

CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2	8521.2
2.5°	8653.4	8557.6	8411.7	8270.4	8119.9	7937.6	7737.0	7664.0	7536.4	7527.3	7600.2
5°	8644.3	8489.2	8233.9	7933.0	7504.5	7180.8	6829.7	6574.4	6378.3	6250.7	6282.6
7.5°	8689.8	8502.9	8060.7	7413.3	6861.6	6218.8	5676.2	5302.4	4960.4	4791.7	4773.5
10°	8616.9	8366.1	7718.7	6811.5	5999.9	5101.8	4308.5	3806.9	3296.3	3109.4	3118.5
12.5°	8657.9	8306.9	7349.4	6191.4	5074.4	3907.2	2958.9	2275.0	1796.3	1641.3	1623.1
15°	8685.3	8179.2	6993.8	5448.3	4048.6	2662.6	1714.3	1290.3	1139.8	1112.4	1107.9
17.5°	8580.4	8024.2	6492.3	4714.2	3000.0	1618.5	1139.8	1053.2	1025.8	1007.6	998.5
20°	8575.9	7933.0	6059.2	3962.0	2001.5	1103.3	984.8	952.9	911.8	898.2	898.2
22.5°	8498.4	7741.5	5539.4	3136.7	1276.6	948.3	884.5	834.3	788.7	770.5	765.9
25°	8475.6	7518.1	5051.6	2357.1	971.1	848.0	784.2	711.2	656.5	629.2	615.5
27.5°	8411.7	7326.6	4559.2	1659.6	848.0	756.8	674.8	597.3	533.4	492.4	487.8
30°	8183.8	7126.0	4012.1	1148.9	770.5	670.2	579.0	487.8	424.0	396.7	387.5
32.5°	8088.0	6939.1	3414.8	884.5	702.1	592.7	487.8	405.8	355.6	328.3	323.7
35°	7974.1	6665.6	2835.8	770.5	638.3	515.2	410.3	341.9	300.9	278.1	278.1
37.5°	7987.7	6446.7	2293.3	697.6	569.9	442.2	351.1	291.8	255.3	232.5	232.5
40°	7946.7	6273.5	1782.6	633.7	506.1	378.4	296.3	246.2	214.3	191.5	186.9
42.5°	8133.6	6227.9	1345.0	579.0	442.2	323.7	255.3	209.7	177.8	150.5	150.5
45°	8448.2	6300.8	1048.6	528.9	378.4	278.1	218.8	173.2	141.3	123.1	118.5
47.5°	9287.1	6588.1	820.7	487.8	323.7	241.6	182.4	141.3	114.0	95.7	91.2
50°	10504.4	7230.9	697.6	428.6	273.6	205.2	150.5	109.4	91.2	72.9	68.4
52.5°	12236.9	8311.4	633.7	378.4	228.0	168.7	118.5	86.6	68.4	54.7	50.2
55°	14124.4	9661.0	574.5	319.1	191.5	136.8	95.7	68.4	50.2	36.5	31.9
57.5°	15597.0	10828.1	524.3	264.4	155.0	109.4	72.9	50.2	36.5	22.8	18.2
60°	17206.4	11648.8	460.5	209.7	127.7	82.1	54.7	36.5	27.4	13.7	13.7
62.5°	18866.0	12610.8	378.4	164.1	100.3	63.8	41.0	27.4	18.2	4.6	4.6
65°	21173.0	13363.0	291.8	127.7	77.5	45.6	31.9	22.8	9.1	0.0	0.0
67.5°	21824.9	12993.7	214.3	100.3	54.7	31.9	22.8	13.7	4.6	0.0	0.0
69°	21173.0	11703.5	186.9	86.6	45.6	27.4	18.2	9.1	4.6	0.0	0.0
70°	19983.0	10700.5	164.1	72.9	41.0	27.4	13.7	9.1	4.6	0.0	0.0
72.5°	16714.1	8206.6	127.7	54.7	31.9	22.8	13.7	9.1	0.0	0.0	0.0
75°	12259.7	5069.8	95.7	41.0	27.4	18.2	13.7	9.1	0.0	0.0	0.0
77.5°	6569.8	1851.0	68.4	27.4	18.2	13.7	13.7	9.1	0.0	0.0	0.0
80°	1800.9	547.1	50.2	18.2	13.7	9.1	9.1	4.6	0.0	0.0	0.0
82.5°	492.4	141.3	31.9	18.2	13.7	9.1	4.6	0.0	0.0	0.0	0.0
85°	264.4	54.7	18.2	13.7	9.1	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	136.8	18.2	13.7	9.1	9.1	4.6	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)