

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: P484774

Luminaire Tested: **IFLD-L-SA7C-735-U-SL4-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484774  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-735-U-SL4-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

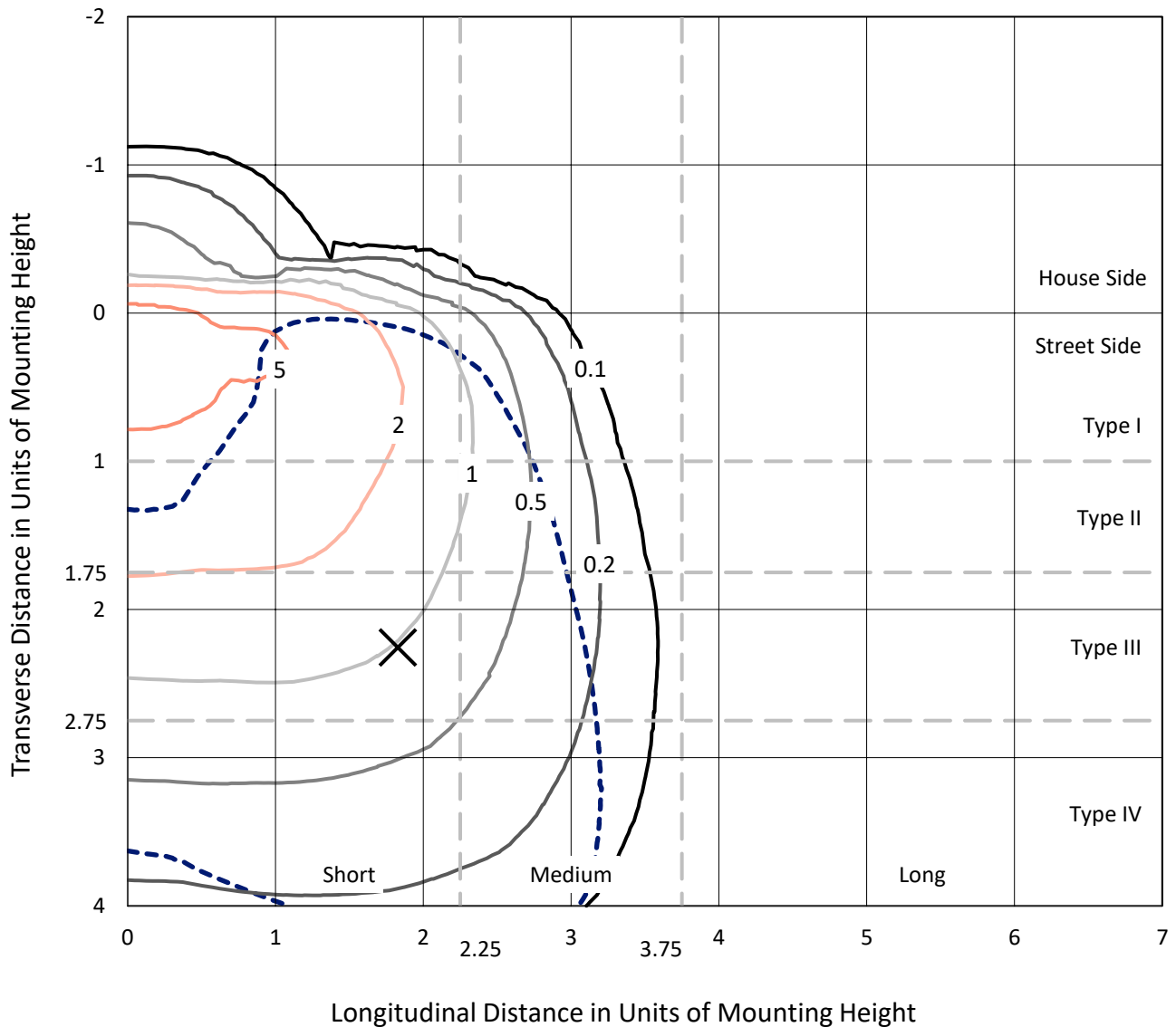
Lumens per Lamp: N/A  
Luminaire Lumens: 36120.8 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 369  
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: P484774  
 CATALOG NUMBER: IFLD-L-SA7C-735-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

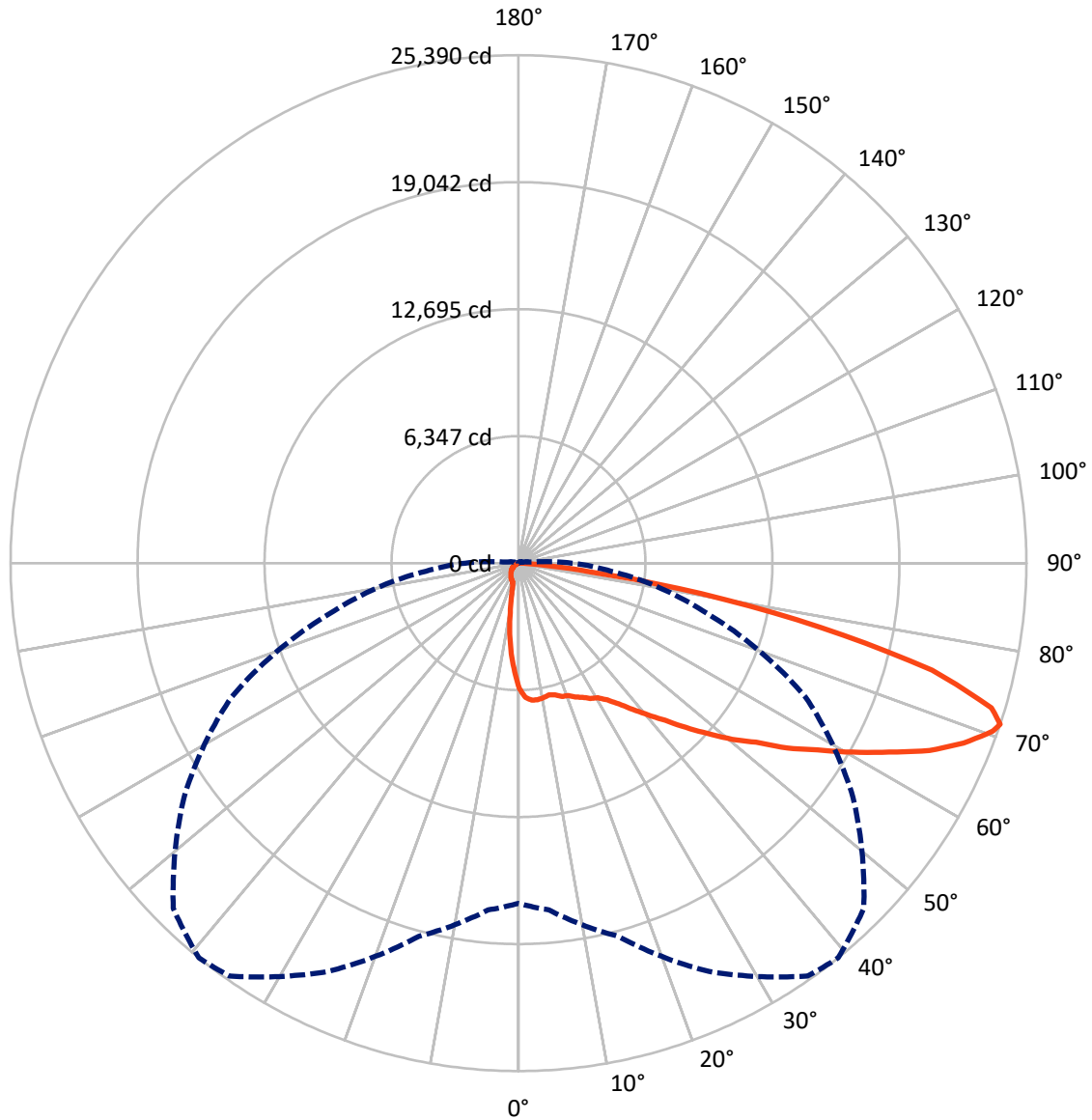
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P484774  
CATALOG NUMBER: IFLD-L-SA7C-735-U-SL4-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P484774  
 CATALOG NUMBER: IFLD-L-SA7C-735-U-SL4-HSS

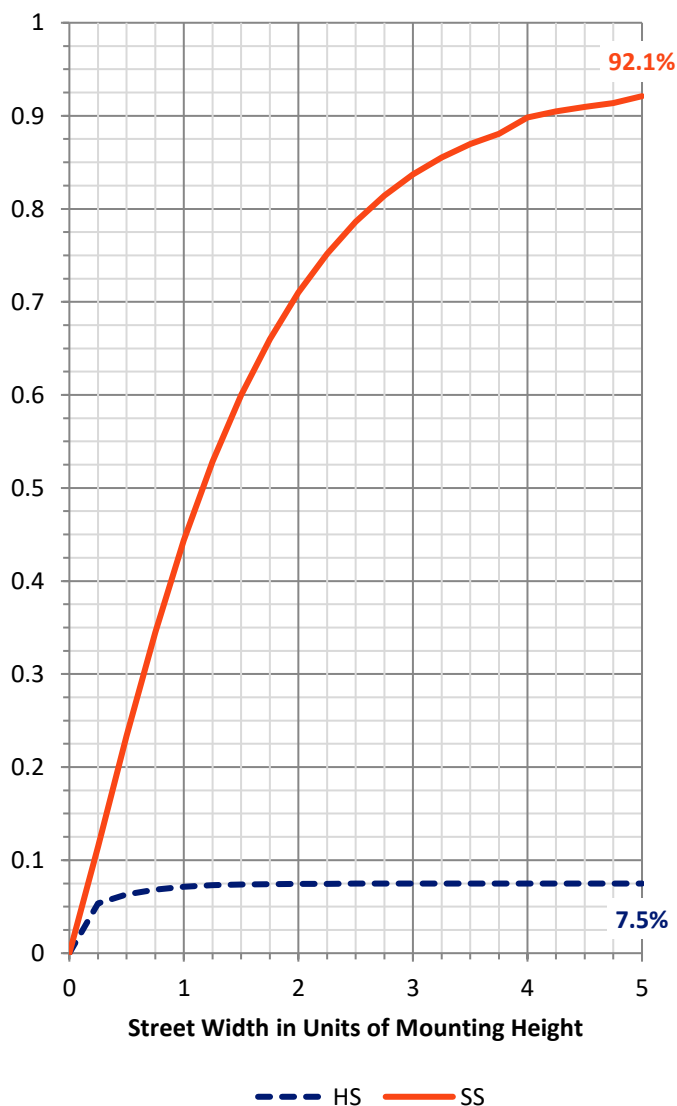
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2719.3	0.0	2719.3
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	33401.4	0.0	33401.4
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	36120.8	0.0	36120.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.6	1.5
10°-20°	1293.8	3.6
20°-30°	2076.9	5.8
30°-40°	3179.3	8.8
40°-50°	5103.4	14.1
50°-60°	7496.0	20.8
60°-70°	9440.9	26.1
70°-80°	6300.6	17.4
80°-90°	704.1	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°	36120.8	100.0
0°-180°	36120.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P484774

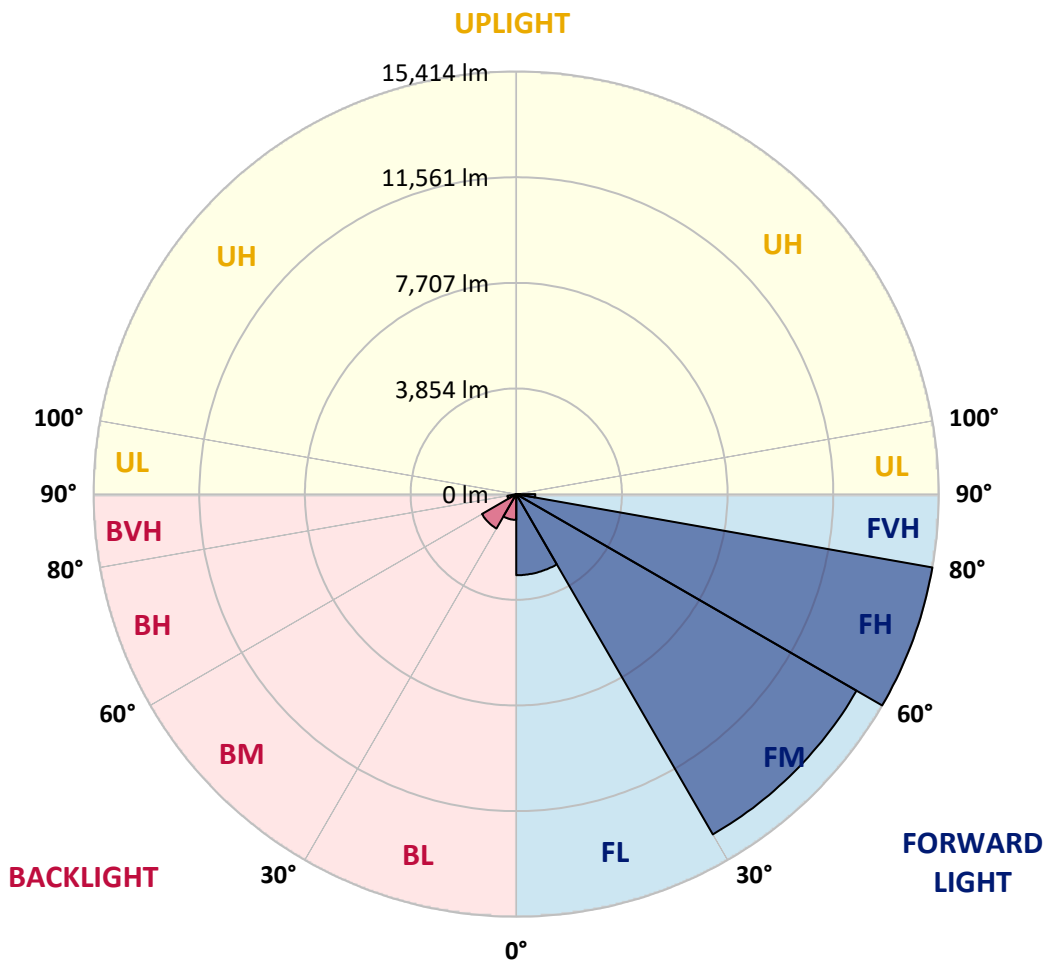
CATALOG NUMBER: IFLD-L-SA7C-735-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2957.5	8.2			
FM (30°-60°)	14333.2	39.7			
FH (60°-80°)	15414.3	42.7			G5
FVH (80°-90°)	696.4	1.9			G4/750
BL (0°-30°)	938.8	2.6	B2/1000		
BM (30°-60°)	1445.4	4.0	B2/2500		
BH (60°-80°)	327.3	0.9	B1/500		G1/500
BVH (80°-90°)	7.7	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: P484774

CATALOG NUMBER: IFLD-L-SA7C-735-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0
2.5°	6775.0	6841.4	6775.0	6746.6	6718.2	6722.9	6647.1	6661.3	6571.3	6452.9	6358.1
5°	6988.2	7078.3	7007.2	6974.0	6969.3	6879.3	6841.4	6751.4	6642.4	6457.6	6343.9
7.5°	6969.3	6950.3	6983.5	6955.1	6893.5	6893.5	6850.8	6722.9	6614.0	6405.5	6211.2
10°	6827.2	6884.0	6855.6	6822.4	6836.6	6841.4	6760.8	6670.8	6637.6	6429.2	6111.8
12.5°	6812.9	6718.2	6822.4	6827.2	6765.6	6760.8	6751.4	6727.7	6623.4	6433.9	6135.4
15°	6765.6	6727.7	6831.9	6836.6	6850.8	6836.6	6850.8	6831.9	6727.7	6618.7	6239.7
17.5°	6803.5	6760.8	6907.7	6978.8	6945.6	7011.9	6988.2	6903.0	6812.9	6685.0	6339.2
20°	6812.9	6874.5	7035.6	7064.0	7168.3	7059.3	7054.6	6964.6	6907.7	6770.3	6400.8
22.5°	6988.2	7016.7	7215.7	7277.2	7282.0	7267.8	7149.3	7045.1	7021.4	6850.8	6415.0
25°	7253.6	7353.1	7443.1	7481.0	7495.2	7428.9	7305.7	7173.0	7116.2	7007.2	6561.8
27.5°	7722.6	7661.0	7741.6	7798.4	7637.3	7661.0	7504.7	7391.0	7310.4	7215.7	6732.4
30°	8139.5	8082.7	8087.4	8077.9	7940.5	7812.6	7770.0	7571.0	7471.5	7509.4	6997.7
32.5°	8513.8	8390.6	8494.9	8447.5	8191.6	8153.7	8120.6	7869.5	7888.4	8063.7	7395.7
35°	8859.7	8817.0	8902.3	8817.0	8646.5	8637.0	8603.8	8385.9	8490.1	8741.2	8077.9
37.5°	9177.1	9191.3	9295.5	9252.9	9267.1	9276.6	9257.6	9025.5	9324.0	9887.8	8873.9
40°	9470.8	9451.9	9707.7	9840.4	9868.8	9973.1	9973.1	9916.2	10375.8	11010.6	9977.8
42.5°	9783.5	9830.9	10162.6	10385.2	10655.3	10745.3	10868.5	10896.9	11607.6	12332.5	11105.4
45°	10295.2	10214.7	10636.3	11162.2	11399.1	11716.6	11906.1	12067.2	12924.7	13919.6	12233.0
47.5°	10944.3	10783.2	11152.8	11915.5	12465.1	12725.7	13066.8	13280.0	14118.6	15146.7	13299.0
50°	11664.4	11498.6	11678.7	12730.4	13370.0	13843.8	14279.7	14549.8	15563.6	16520.7	14076.0
52.5°	12479.3	12327.7	12356.2	13578.5	14521.3	14867.2	15440.5	15843.2	16852.3	17349.8	14350.8
55°	13346.4	13308.5	13218.4	14407.6	15530.5	16307.5	16653.3	17136.6	18174.2	17799.9	14649.3
57.5°	14218.1	14099.7	14227.6	15506.8	17150.8	17615.1	18093.6	18382.6	18908.5	18193.1	14535.5
60°	15037.8	15047.2	15227.3	16700.7	18529.5	19188.1	19619.2	19443.9	19661.8	18363.7	14275.0
62.5°	15729.5	15710.5	16165.3	18041.5	20353.6	20798.9	21121.1	20339.3	20012.4	18529.5	13820.1
65°	16350.1	16563.3	17278.7	19638.1	22068.6	22580.3	22386.1	21187.4	20353.6	18041.5	12540.9
67.5°	16819.2	17136.6	18377.9	21140.0	23641.6	24001.7	23731.6	21831.7	19950.8	16127.4	10214.7
70°	17094.0	17416.1	19164.4	22390.8	24897.1	25157.7	24522.8	21334.3	17600.9	11678.7	6372.3
71°	17008.7	17401.9	19316.0	22523.5	25195.6	25389.8	24404.4	20415.1	15829.0	9778.8	4647.8
72.5°	16236.4	16606.0	18685.9	22428.7	24835.5	24717.1	23480.5	18207.3	12460.4	6234.9	2402.1
75°	11929.8	12327.7	16037.4	19401.3	22168.1	21353.2	19003.3	12777.8	6500.3	1909.3	701.2
77.5°	5941.2	6007.5	9954.1	14085.5	16260.1	15449.9	12735.2	7125.6	2430.5	563.8	350.6
80°	2738.4	2757.4	3733.4	7296.2	9830.9	9252.9	7135.1	3515.4	1099.2	298.5	274.8
82.5°	1866.7	1895.1	2250.5	3022.7	4268.8	3600.7	2890.1	2250.5	630.1	180.0	270.1
85°	341.1	312.7	1260.3	1601.4	1648.8	1118.1	999.7	1947.2	236.9	104.2	236.9
87.5°	0.0	4.7	175.3	653.8	587.5	260.6	341.1	473.8	23.7	33.2	42.6
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: P484774

CATALOG NUMBER: IFLD-L-SA7C-735-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0	6287.0
2.5°	6277.6	6225.5	6050.2	5855.9	5680.6	5543.2	5367.9	5287.4	5159.5	5088.4	5083.7
5°	6187.6	6045.4	5742.2	5415.3	5050.5	4747.3	4410.9	4221.4	4003.4	3937.1	3922.9
7.5°	6035.9	5832.2	5386.9	4927.3	4368.2	3832.9	3420.7	2980.1	2710.0	2596.3	2553.7
10°	5941.2	5694.8	5088.4	4401.4	3619.7	2866.4	2288.4	1819.3	1572.9	1454.5	1426.1
12.5°	5941.2	5675.9	4846.8	3899.2	2861.6	1961.4	1416.6	1146.5	1066.0	1037.6	1037.6
15°	5927.0	5638.0	4614.6	3382.8	2117.8	1317.1	1056.5	999.7	990.2	985.5	980.7
17.5°	5998.0	5571.6	4377.7	2828.5	1497.1	1037.6	971.2	961.8	952.3	952.3	942.8
20°	6050.2	5533.7	4093.5	2241.0	1118.1	961.8	933.3	919.1	914.4	909.7	919.1
22.5°	6007.5	5476.9	3742.9	1677.2	976.0	914.4	895.4	881.2	871.8	871.8	876.5
25°	6088.1	5424.8	3392.3	1265.0	914.4	871.8	852.8	843.3	838.6	833.9	824.4
27.5°	6197.0	5448.5	2975.3	1018.6	862.3	829.1	810.2	800.7	795.9	786.5	795.9
30°	6329.7	5443.7	2515.8	890.7	814.9	781.7	762.8	758.0	748.6	743.8	748.6
32.5°	6557.1	5566.9	2042.0	824.4	762.8	734.4	715.4	710.7	705.9	701.2	696.5
35°	7045.1	5718.5	1596.6	772.3	715.4	682.2	668.0	658.6	653.8	649.1	644.3
37.5°	7646.8	6054.9	1217.6	724.9	668.0	634.9	620.7	615.9	597.0	592.2	587.5
40°	8400.1	6415.0	938.1	672.8	625.4	592.2	578.0	563.8	540.1	530.6	521.2
42.5°	9338.2	6765.6	772.3	625.4	578.0	554.3	530.6	506.9	488.0	469.0	459.6
45°	10276.3	7173.0	677.5	582.7	540.1	511.7	492.7	459.6	426.4	398.0	393.2
47.5°	11058.0	7319.9	620.7	535.4	502.2	478.5	450.1	407.5	360.1	331.6	326.9
50°	11640.8	7234.6	563.8	488.0	459.6	435.9	398.0	345.9	298.5	270.1	260.6
52.5°	11754.5	6860.3	511.7	450.1	416.9	388.5	345.9	289.0	236.9	208.5	203.7
55°	11673.9	6239.7	469.0	416.9	379.0	336.4	289.0	232.2	184.8	156.3	151.6
57.5°	11508.1	5505.3	421.7	374.3	331.6	289.0	236.9	189.5	137.4	109.0	109.0
60°	10944.3	4505.6	374.3	326.9	284.3	246.4	194.2	137.4	94.8	71.1	66.3
62.5°	10157.8	3463.3	326.9	279.5	246.4	203.7	151.6	99.5	56.9	37.9	37.9
65°	8722.3	2425.7	274.8	232.2	203.7	165.8	113.7	61.6	33.2	14.2	14.2
67.5°	6628.2	1501.9	227.4	194.2	175.3	132.7	80.5	37.9	14.2	4.7	0.0
70°	3804.4	781.7	180.0	156.3	137.4	99.5	56.9	19.0	9.5	0.0	0.0
71°	2657.9	578.0	161.1	137.4	123.2	90.0	47.4	14.2	4.7	0.0	0.0
72.5°	1331.3	383.8	137.4	113.7	99.5	71.1	37.9	14.2	4.7	0.0	0.0
75°	473.8	246.4	94.8	75.8	71.1	52.1	23.7	9.5	4.7	0.0	0.0
77.5°	326.9	199.0	66.3	47.4	47.4	33.2	14.2	4.7	4.7	0.0	0.0
80°	298.5	109.0	42.6	28.4	23.7	19.0	9.5	4.7	0.0	0.0	0.0
82.5°	298.5	80.5	23.7	19.0	14.2	9.5	4.7	0.0	0.0	0.0	0.0
85°	208.5	42.6	14.2	14.2	9.5	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	33.2	14.2	9.5	4.7	4.7	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)