

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: P484384

Luminaire Tested: **IFLD-L-SA7C-735-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484384  
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-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

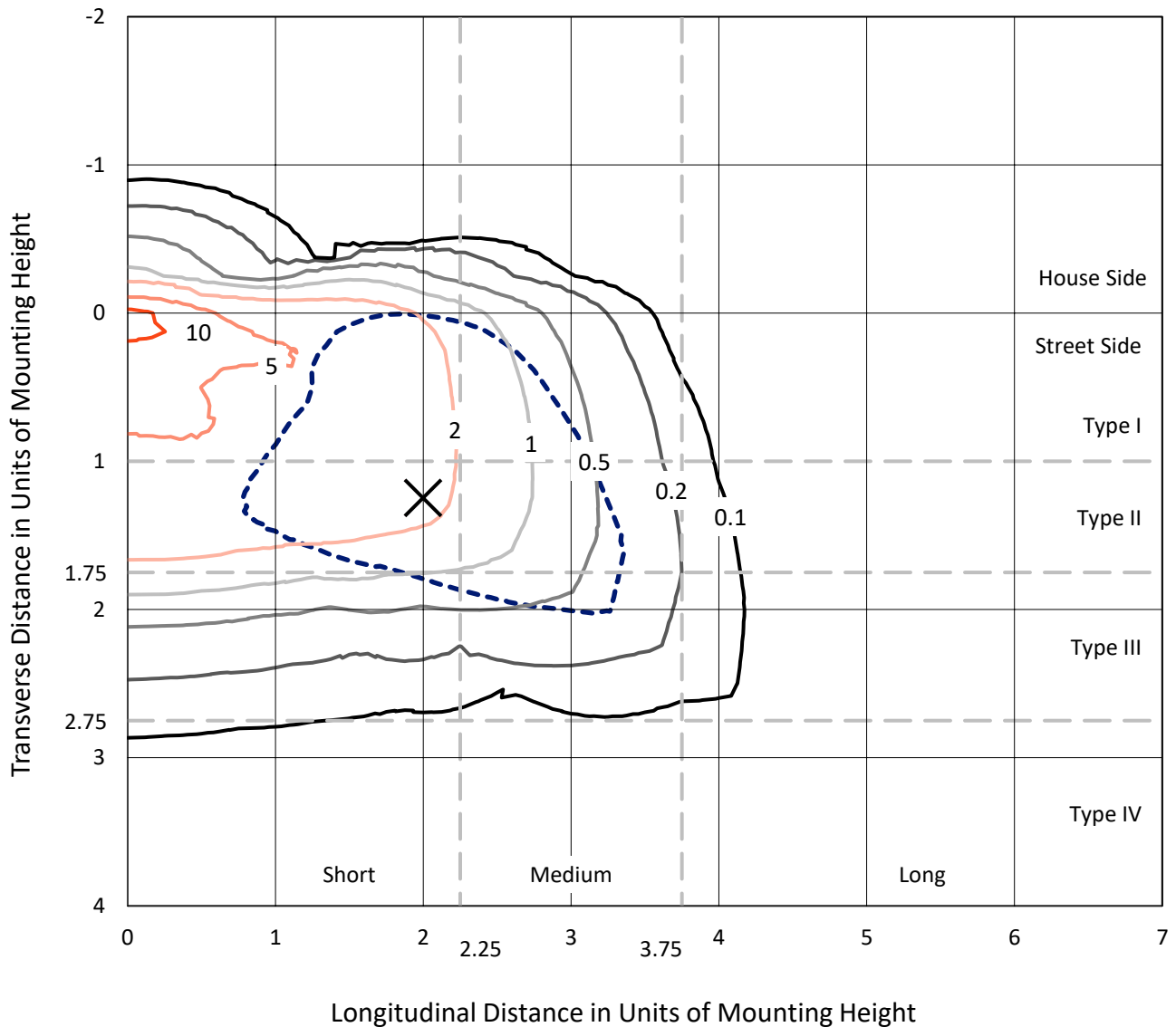
Lumens per Lamp: N/A  
Luminaire Lumens: 36565.8 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

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: P484384  
 CATALOG NUMBER: IFLD-L-SA7C-735-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

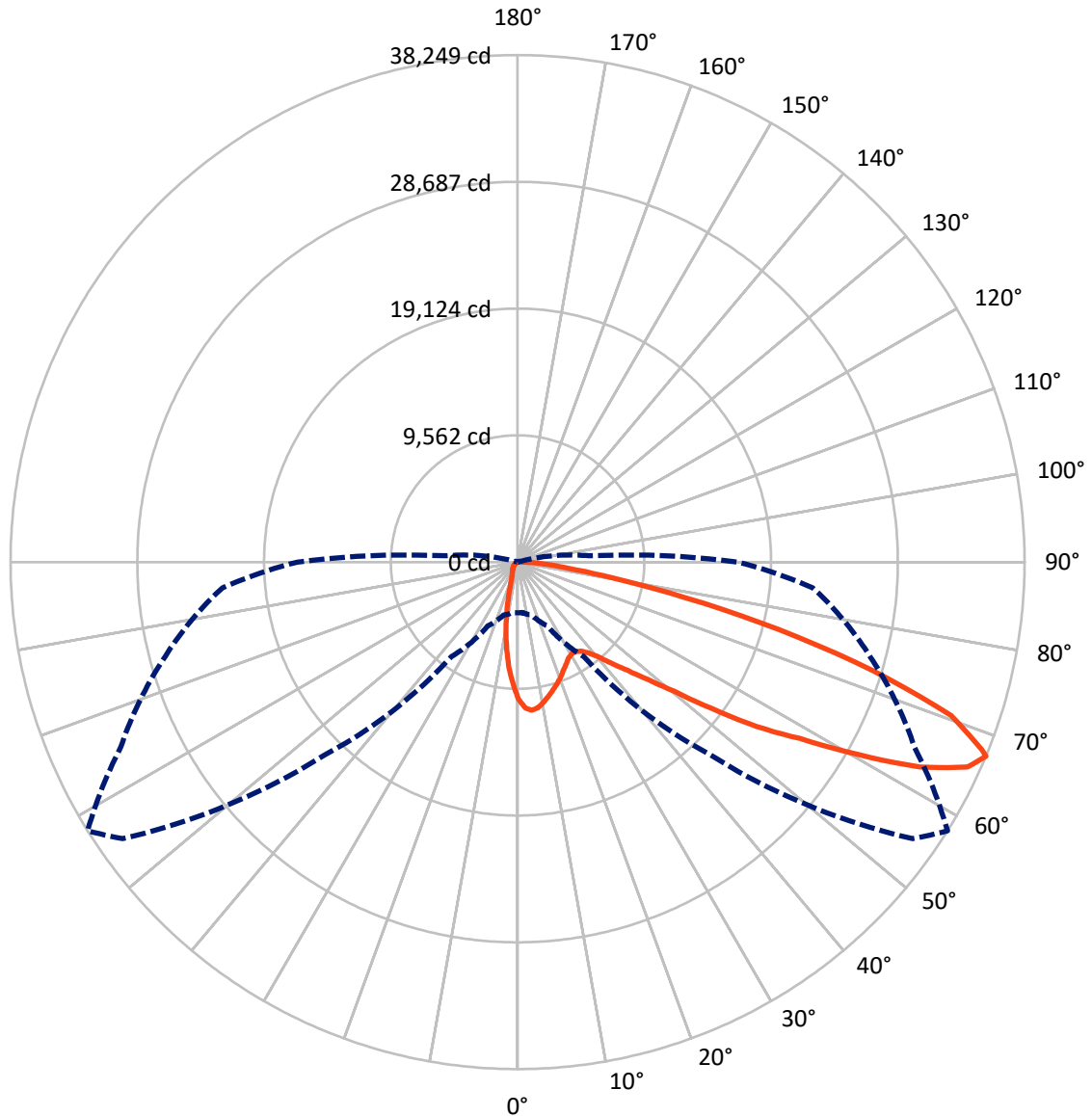
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P484384  
CATALOG NUMBER: IFLD-L-SA7C-735-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P484384  
 CATALOG NUMBER: IFLD-L-SA7C-735-U-SL3-HSS

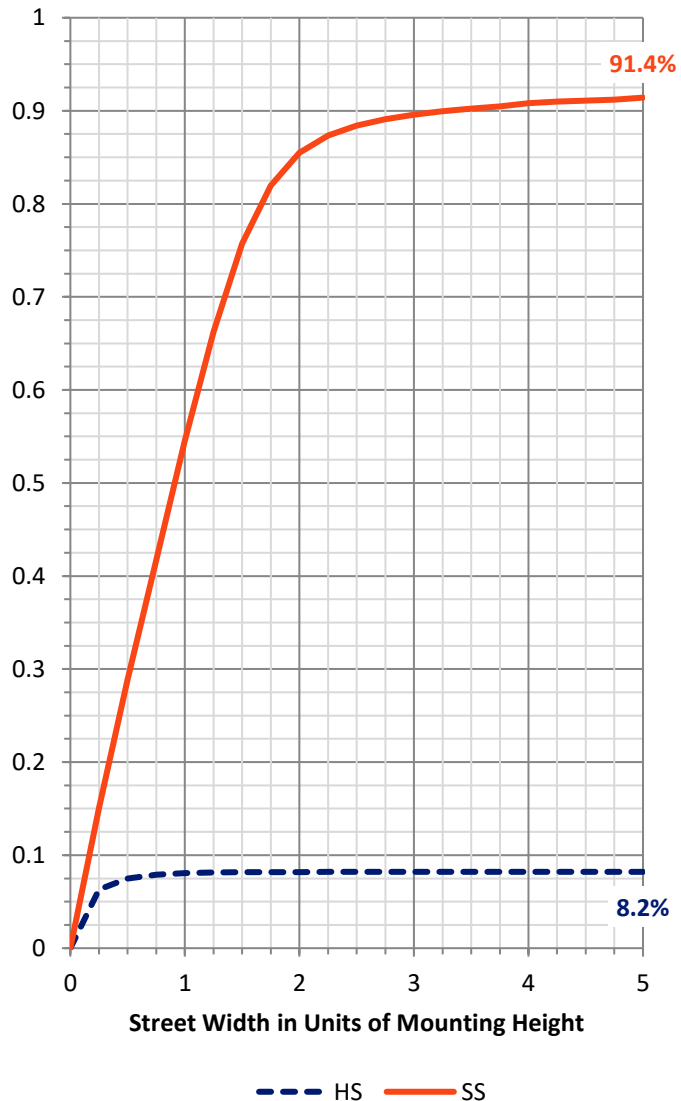
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3022.4	0.0	3022.4
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	33543.4	0.0	33543.4
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	36565.8	0.0	36565.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	822.0	2.2
10°-20°	1705.0	4.7
20°-30°	2262.1	6.2
30°-40°	3134.5	8.6
40°-50°	5114.7	14.0
50°-60°	8990.0	24.6
60°-70°	9957.1	27.2
70°-80°	4126.2	11.3
80°-90°	454.2	1.2
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°	36565.8	100.0
0°-180°	36565.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P484384

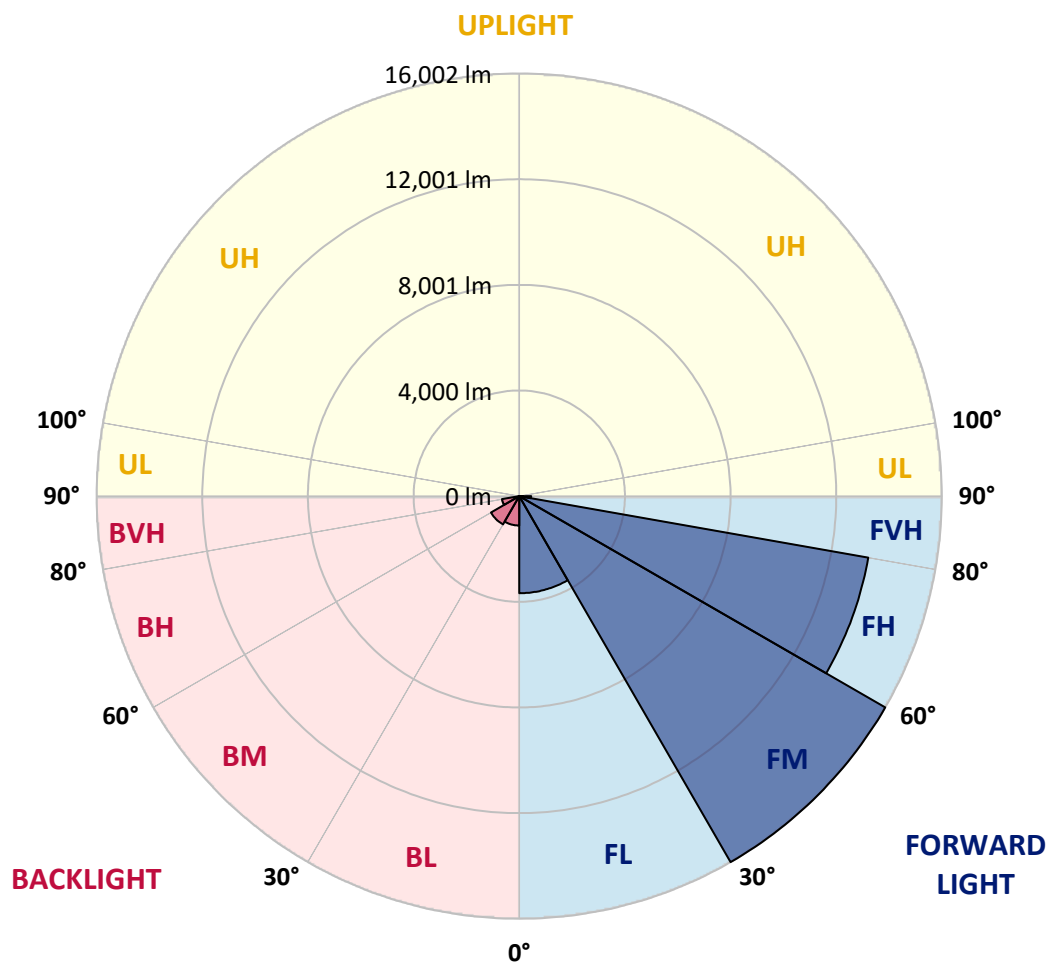
CATALOG NUMBER: IFLD-L-SA7C-735-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3675.9	10.1			
FM (30°-60°)	16001.9	43.8			
FH (60°-80°)	13418.8	36.7			G5
FVH (80°-90°)	446.8	1.2			G3/500
BL (0°-30°)	1113.2	3.0	B3/2500		
BM (30°-60°)	1237.3	3.4	B2/2500		
BH (60°-80°)	664.5	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short





REPORT NUMBER: P484384

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6
2.5°	11272.2	11311.1	11345.1	11281.9	11335.3	11257.7	11058.6	11014.9	10981.0	10684.8	10514.9
5°	11267.4	11223.7	11257.7	11286.8	11214.0	11272.2	11223.7	11228.5	11097.5	10830.5	10354.7
7.5°	10514.9	10495.5	10514.9	10655.7	10815.9	10942.1	11014.9	11087.8	11000.4	10602.3	10141.1
10°	9500.3	9597.4	9650.8	9903.3	10150.8	10383.9	10612.0	10747.9	10723.7	10563.5	9908.1
12.5°	8791.6	8762.4	8956.6	9121.7	9369.3	9840.1	10238.2	10364.4	10510.1	10286.8	9602.3
15°	8136.2	8058.5	8175.0	8461.5	8883.8	9257.6	9815.9	10005.2	10189.7	10247.9	9437.2
17.5°	7510.0	7548.8	7670.2	7927.5	8325.5	8849.8	9374.1	9646.0	10087.7	10010.1	9189.6
20°	7209.0	7291.5	7335.2	7466.3	7743.0	8267.3	9048.9	9267.3	9738.2	10005.2	8946.9
22.5°	7223.6	7223.6	7121.6	7199.3	7451.7	7859.5	8607.1	8849.8	9597.4	9752.8	8728.5
25°	7378.9	7281.8	7286.7	7194.4	7301.2	7524.5	8209.0	8505.1	9311.0	9777.0	8611.9
27.5°	7495.4	7476.0	7446.9	7422.6	7286.7	7320.6	7946.9	8189.6	9199.3	9747.9	8432.3
30°	7917.8	7830.4	7801.2	7747.8	7568.2	7403.2	7738.1	8044.0	9112.0	9815.9	8330.4
32.5°	8272.1	8286.7	8311.0	8155.6	8000.3	7592.5	7796.4	8039.1	9048.9	9971.2	8432.3
35°	8718.7	8781.9	8791.6	8743.0	8578.0	8175.0	8039.1	8247.9	9155.7	10247.9	8442.0
37.5°	9398.4	9330.4	9514.9	9534.3	9417.8	8883.8	8602.2	8684.8	9471.2	10689.7	8811.0
40°	9840.1	9922.7	10267.3	10480.9	10281.9	9796.5	9417.8	9403.2	9927.5	11383.9	9267.3
42.5°	10330.5	10514.9	10893.6	11354.8	11330.5	10879.0	10495.5	10432.4	10738.2	12388.8	9990.6
45°	11000.4	11165.4	11694.6	12388.8	12767.4	12383.9	11806.2	11680.0	11723.7	13757.8	11223.7
47.5°	12112.1	12068.4	12830.5	13515.0	14136.4	13840.3	13592.7	13223.8	13189.8	15369.5	12927.6
50°	13369.4	13359.7	14039.3	14816.0	15534.5	16112.2	15699.6	15296.6	15306.4	17558.9	14932.6
52.5°	14563.6	14752.9	15486.0	16257.8	17490.9	18112.3	18510.4	18350.2	17578.3	19515.2	17078.3
55°	15194.7	15359.8	16087.9	17418.1	19364.7	20961.9	22039.6	21903.7	20413.3	21719.2	19194.8
57.5°	14597.6	14709.2	15694.7	17437.5	20675.5	24238.7	25272.7	25102.8	23345.5	23403.7	21753.2
60°	12097.5	12272.3	13738.3	15782.1	20165.7	26763.1	29724.3	29467.0	26015.5	25534.9	23398.9
62.5°	8378.9	8495.4	9699.4	12243.1	17748.2	27641.7	33928.4	34069.1	28831.1	27195.1	23889.2
65°	5427.4	5417.7	6107.0	7830.4	12578.1	24981.4	36413.9	37287.7	31549.6	27447.6	23738.7
67°	3835.1	3820.5	4145.8	5310.9	8709.0	20583.2	36370.2	38248.9	33025.4	27520.4	22345.4
67.5°	3539.0	3524.4	3835.1	4883.7	7859.5	19141.4	35826.5	37753.7	33544.9	27418.4	21733.8
70°	2747.7	2708.8	2825.3	3364.2	4577.8	12379.1	30661.3	34680.8	32467.1	24874.6	17355.0
72.5°	1985.5	2029.2	2213.7	2762.2	3592.4	6660.4	23369.7	28044.7	27117.4	18748.2	11029.5
75°	1383.5	1422.4	1718.5	2252.5	3296.2	4039.0	15801.5	20340.5	18889.0	10349.9	4699.2
77.5°	723.3	771.9	1097.1	1801.0	2995.2	3126.3	9442.1	12898.5	10010.1	3684.6	1296.2
80°	335.0	359.2	548.6	1276.7	2504.9	2747.7	5505.0	7175.0	4005.0	825.3	446.6
82.5°	145.6	160.2	252.4	733.0	1776.8	2403.0	3407.9	3762.3	1451.5	267.0	276.7
85°	29.1	34.0	97.1	388.4	859.3	1456.4	2393.3	2233.1	728.2	131.1	218.5
87.5°	0.0	0.0	24.3	111.7	233.0	432.1	1014.6	1014.6	223.3	68.0	82.5
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: P484384

CATALOG NUMBER: IFLD-L-SA7C-735-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6	10359.6
2.5°	10364.4	10189.7	9806.2	9451.8	9199.3	8912.9	8534.3	8364.4	8301.3	8213.9	8082.8
5°	10092.6	9879.0	9223.6	8563.4	7840.1	7291.5	6709.0	6369.2	6111.9	5951.7	5898.3
7.5°	9709.1	9272.2	8388.6	7330.4	6393.4	5577.9	4694.3	4097.2	3713.7	3558.4	3412.7
10°	9403.2	8835.3	7490.6	6175.0	4927.4	3733.1	2738.0	2213.7	1815.6	1665.1	1645.7
12.5°	9005.2	8325.5	6650.7	4995.3	3427.3	2223.4	1514.6	1315.6	1203.9	1184.5	1169.9
15°	8675.1	7864.4	5854.6	3869.1	2218.5	1388.4	1179.7	1131.1	1102.0	1092.3	1097.1
17.5°	8451.7	7369.2	5039.0	2815.6	1461.2	1136.0	1087.4	1058.3	1043.7	1038.9	1024.3
20°	8010.0	6951.7	4233.2	1970.9	1140.8	1048.6	1009.7	985.5	970.9	966.1	961.2
22.5°	7757.6	6422.6	3427.3	1373.8	1014.6	951.5	922.4	902.9	878.7	864.1	859.3
25°	7505.1	6034.2	2708.8	1068.0	922.4	878.7	835.0	810.7	771.9	752.5	747.6
27.5°	7209.0	5650.7	2087.5	927.2	830.1	786.4	742.7	703.9	655.4	635.9	626.2
30°	7039.1	5276.9	1572.9	830.1	762.2	703.9	650.5	602.0	548.6	514.6	504.9
32.5°	6951.7	4937.1	1179.7	757.3	689.3	626.2	558.3	500.0	451.5	422.3	417.5
35°	6844.9	4607.0	927.2	689.3	621.4	553.4	485.5	427.2	378.7	354.4	344.7
37.5°	6956.6	4412.8	771.9	635.9	568.0	490.3	417.5	359.2	320.4	296.1	291.3
40°	7262.4	4252.6	669.9	587.4	514.6	432.1	364.1	305.8	271.9	252.4	242.7
42.5°	7733.3	4252.6	606.8	538.9	466.0	378.7	310.7	267.0	233.0	213.6	208.7
45°	8587.7	4383.6	553.4	490.3	407.8	325.3	267.0	223.3	189.3	169.9	165.1
47.5°	9786.7	4684.6	509.7	446.6	364.1	286.4	233.0	189.3	155.3	135.9	131.1
50°	11398.5	5369.1	466.0	393.2	325.3	247.6	194.2	150.5	121.4	101.9	97.1
52.5°	13408.2	6340.0	422.3	364.1	276.7	208.7	155.3	121.4	92.2	77.7	72.8
55°	15534.5	7529.4	368.9	325.3	237.9	174.8	126.2	92.2	68.0	58.3	53.4
57.5°	17675.4	8446.9	325.3	281.6	194.2	140.8	101.9	72.8	48.5	38.8	34.0
60°	18811.3	8534.3	281.6	233.0	155.3	111.7	77.7	53.4	34.0	24.3	19.4
62.5°	18986.1	7757.6	242.7	189.3	126.2	87.4	53.4	38.8	19.4	9.7	9.7
65°	18088.0	6466.2	208.7	150.5	97.1	63.1	38.8	24.3	9.7	4.9	0.0
67°	16631.6	5417.7	179.6	126.2	77.7	48.5	29.1	14.6	4.9	0.0	0.0
67.5°	16068.5	5126.4	169.9	116.5	72.8	43.7	24.3	14.6	4.9	0.0	0.0
70°	12471.3	3660.3	126.2	82.5	53.4	34.0	19.4	9.7	0.0	0.0	0.0
72.5°	7641.0	2140.9	97.1	58.3	38.8	24.3	14.6	4.9	0.0	0.0	0.0
75°	3204.0	737.9	82.5	43.7	29.1	14.6	9.7	4.9	0.0	0.0	0.0
77.5°	835.0	276.7	58.3	29.1	19.4	14.6	9.7	4.9	0.0	0.0	0.0
80°	339.8	126.2	38.8	19.4	19.4	14.6	9.7	4.9	0.0	0.0	0.0
82.5°	223.3	58.3	24.3	19.4	14.6	9.7	4.9	0.0	0.0	0.0	0.0
85°	169.9	34.0	14.6	14.6	9.7	4.9	0.0	0.0	0.0	0.0	0.0
87.5°	72.8	19.4	14.6	9.7	9.7	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)