

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: P483930

Luminaire Tested: **IFLD-S-SA3C-730-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483930  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-730-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (48) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

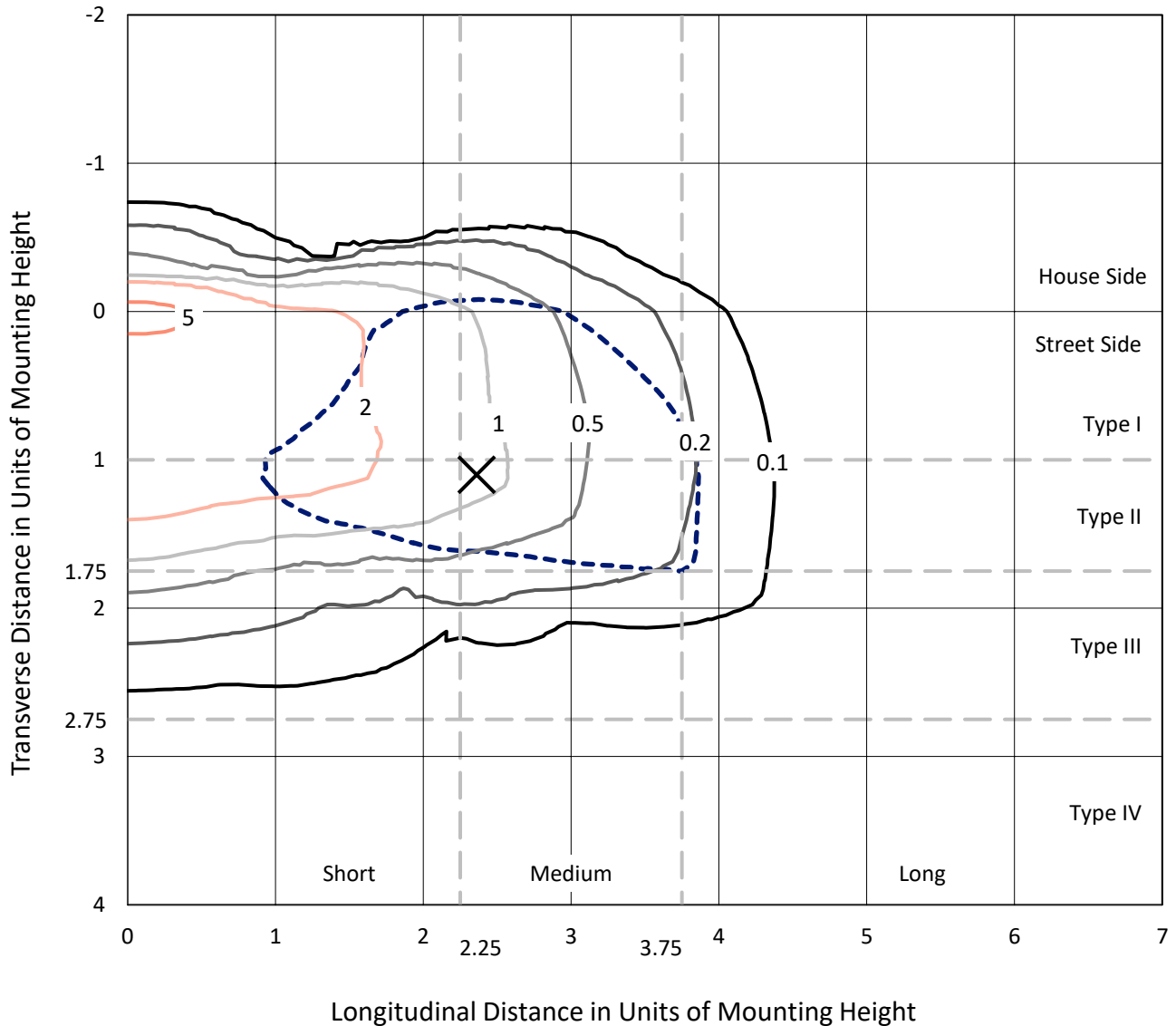
Lumens per Lamp: N/A  
Luminaire Lumens: 15875.3 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 160.8  
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

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 CATALOG NUMBER: IFLD-S-SA3C-730-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

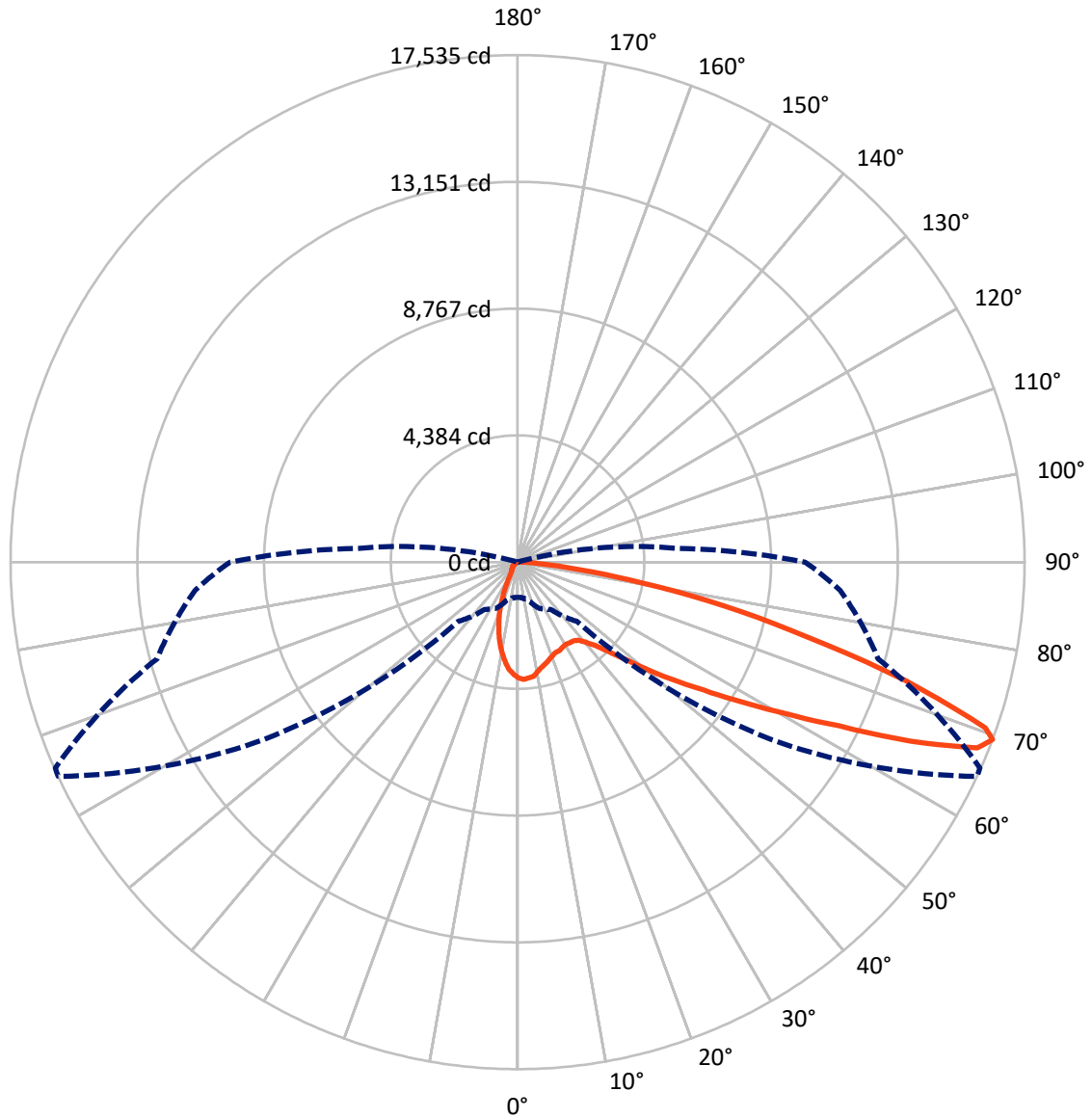
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P483930  
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### Luminous Intensity Polar Plot



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

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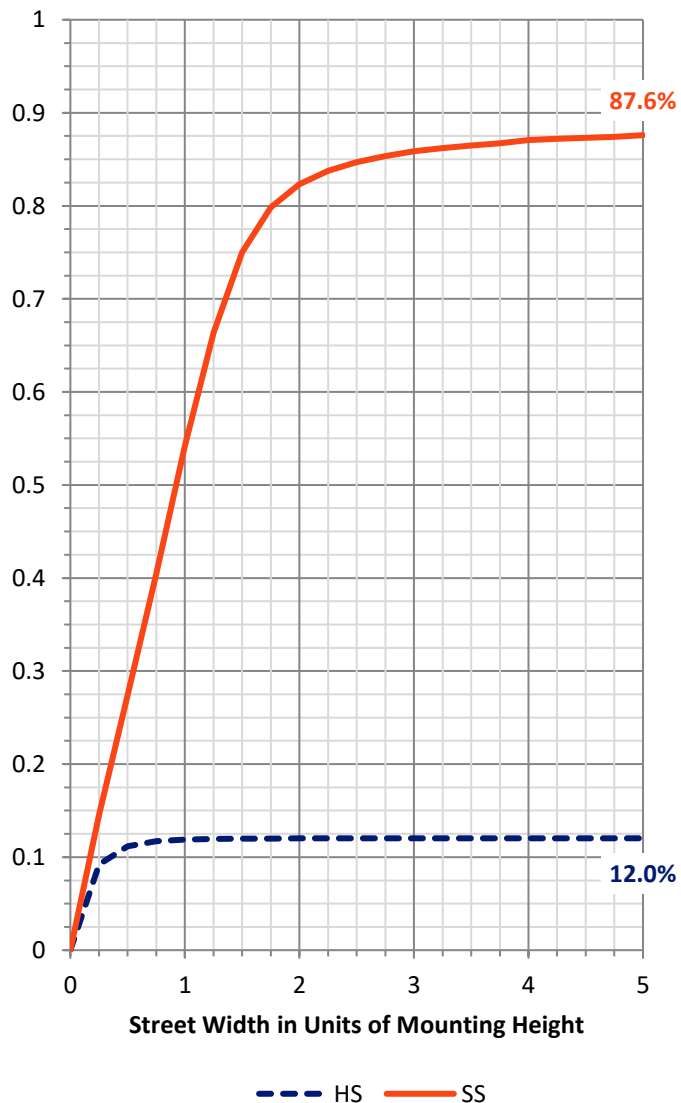
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1925.8	0.0	1925.8
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	13949.5	0.0	13949.5
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	15875.3	0.0	15875.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.5	2.1
10°-20°	716.6	4.5
20°-30°	997.7	6.3
30°-40°	1413.9	8.9
40°-50°	2228.2	14.0
50°-60°	3615.6	22.8
60°-70°	4037.9	25.4
70°-80°	2273.8	14.3
80°-90°	263.9	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°	15875.3	100.0
0°-180°	15875.3	100.0

**Coefficient of Utilization**

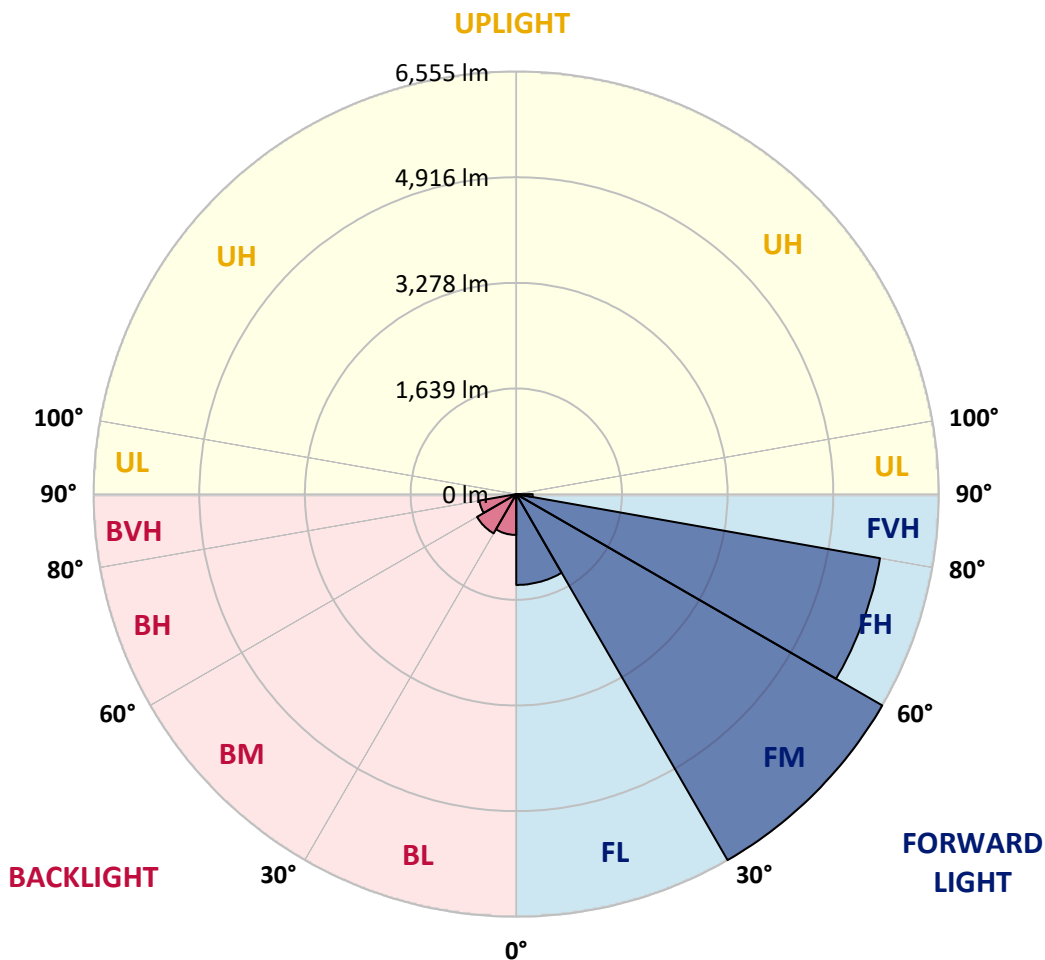


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 CATALOG NUMBER: IFLD-S-SA3C-730-U-SL2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.8	8.9			
FM (30°-60°)	6555.1	41.3			
FH (60°-80°)	5729.1	36.1			G3/7500
FVH (80°-90°)	256.6	1.6			G3/500
BL (0°-30°)	633.1	4.0	B2/1000		
BM (30°-60°)	702.7	4.4	B1/1000		
BH (60°-80°)	582.7	3.7	B2/1000		G2/1000
BVH (80°-90°)	7.3	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-G3**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5
2.5°	3854.8	3884.7	3893.3	3923.3	3938.3	4002.5	4038.9	4060.4	4049.6	4073.2	4075.3
5°	3580.6	3563.5	3608.5	3640.6	3709.1	3820.5	3934.0	4021.8	4062.5	4101.0	4094.6
7.5°	3287.3	3278.7	3323.7	3396.5	3458.6	3593.5	3775.5	3991.8	3983.3	4077.5	4105.3
10°	3086.0	3094.5	3109.5	3182.3	3274.4	3411.5	3638.5	3839.8	3884.7	4083.9	4139.6
12.5°	2901.8	2916.8	2944.6	3019.6	3126.6	3268.0	3488.6	3724.1	3792.7	4047.5	4158.9
15°	2841.8	2807.6	2863.2	2918.9	3030.3	3156.6	3342.9	3636.3	3666.3	4004.7	4191.0
17.5°	2792.6	2771.1	2796.8	2841.8	2959.6	3062.4	3238.0	3542.1	3597.8	3987.5	4186.7
20°	2807.6	2788.3	2799.0	2833.3	2886.8	2983.2	3145.9	3452.2	3512.1	3908.3	4180.3
22.5°	2850.4	2865.4	2846.1	2854.7	2871.8	2921.1	3096.7	3387.9	3439.3	3893.3	4216.7
25°	3043.1	3017.4	2991.7	2981.0	2880.4	2901.8	3081.7	3383.6	3420.0	3839.8	4186.7
27.5°	3244.4	3223.0	3212.3	3150.2	3013.1	2948.9	3083.8	3323.7	3372.9	3818.4	4150.3
30°	3488.6	3516.4	3473.6	3398.6	3208.0	3049.5	3107.4	3293.7	3362.2	3737.0	4126.7
32.5°	3745.5	3760.5	3782.0	3726.3	3480.0	3201.6	3178.0	3321.5	3325.8	3737.0	4073.2
35°	4036.8	4015.4	4071.1	4075.3	3859.0	3471.4	3313.0	3340.8	3385.8	3719.8	4053.9
37.5°	4287.4	4323.8	4388.0	4490.8	4268.1	3852.6	3522.8	3430.7	3450.0	3799.1	4068.9
40°	4561.5	4597.9	4743.5	4846.3	4719.9	4280.9	3841.9	3640.6	3655.6	3916.9	4146.0
42.5°	4863.4	4934.1	5107.6	5287.5	5253.2	4824.9	4253.1	3949.0	3942.6	4210.3	4304.5
45°	5272.5	5366.7	5555.1	5762.9	5792.9	5448.1	4801.3	4409.4	4430.8	4593.6	4632.1
47.5°	5842.1	5837.8	6022.0	6253.3	6426.7	6094.8	5456.6	5028.3	5026.2	5199.6	5118.3
50°	6392.5	6394.6	6443.9	6711.6	7161.3	6992.1	6268.3	5850.7	5827.1	5912.8	5782.1
52.5°	6647.3	6617.3	6580.9	6904.3	7726.7	8122.8	7296.2	6782.2	6763.0	6711.6	6677.3
55°	6379.6	6390.3	6388.2	6724.4	8024.3	9315.7	8615.4	7808.0	7775.9	7615.3	7662.4
57.5°	5520.9	5486.6	5561.6	6086.2	7683.8	10129.5	10502.1	9101.5	9018.0	8484.8	8377.7
60°	4109.6	4120.3	4182.4	4801.3	6837.9	10300.8	12307.4	10619.9	10260.1	9097.2	8949.5
62.5°	2869.7	2848.2	2871.8	3218.7	4889.1	9615.5	13528.1	12465.9	12118.9	9793.2	9707.6
65°	2053.7	2025.9	2120.1	2332.1	2936.0	7351.9	13701.5	14924.4	14613.8	10904.7	10699.1
67.5°	1477.7	1473.4	1582.6	1968.1	2085.9	4233.8	12416.6	17151.6	16963.1	12223.9	11303.0
69°	1222.8	1225.0	1329.9	1762.5	1991.6	2891.1	10684.1	17534.9	17500.6	12904.9	11189.5
70°	1066.5	1075.1	1197.1	1640.4	1953.1	2377.1	9210.7	17158.0	17123.7	13037.7	10814.8
72.5°	657.5	663.9	824.5	1314.9	1856.7	1940.2	5508.0	14037.8	14155.5	12429.5	9317.8
75°	314.8	316.9	432.6	950.8	1790.3	1839.6	2951.0	10358.6	10607.0	10035.2	7281.2
77.5°	167.0	167.0	207.7	505.4	1449.8	1730.4	1751.8	7306.9	7512.5	6345.4	4139.6
80°	83.5	85.7	126.4	263.4	899.4	1696.1	1368.4	4358.0	4469.4	2589.1	1289.2
82.5°	32.1	34.3	60.0	158.5	466.9	1432.7	1201.4	2143.7	2115.8	606.1	314.8
85°	4.3	4.3	21.4	94.2	199.2	631.8	991.5	895.2	865.2	132.8	152.0
87.5°	0.0	0.0	4.3	27.8	60.0	184.2	383.3	246.3	274.1	36.4	75.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5	4002.5
2.5°	4064.6	4019.7	3951.1	3884.7	3814.1	3728.4	3634.2	3599.9	3540.0	3535.7	3569.9
5°	4060.4	3987.5	3867.6	3726.3	3525.0	3372.9	3208.0	3088.1	2996.0	2936.0	2951.0
7.5°	4081.8	3994.0	3786.2	3482.1	3223.0	2921.1	2666.2	2490.6	2330.0	2250.8	2242.2
10°	4047.5	3929.7	3625.6	3199.5	2818.3	2396.4	2023.8	1788.2	1548.3	1460.5	1464.8
12.5°	4066.8	3901.9	3452.2	2908.2	2383.5	1835.3	1389.9	1068.6	843.8	771.0	762.4
15°	4079.6	3841.9	3285.1	2559.1	1901.7	1250.7	805.2	606.1	535.4	522.5	520.4
17.5°	4030.4	3769.1	3049.5	2214.3	1409.1	760.2	535.4	494.7	481.8	473.3	469.0
20°	4028.2	3726.3	2846.1	1861.0	940.1	518.3	462.6	447.6	428.3	421.9	421.9
22.5°	3991.8	3636.3	2602.0	1473.4	599.6	445.4	415.5	391.9	370.5	361.9	359.8
25°	3981.1	3531.4	2372.8	1107.2	456.1	398.3	368.3	334.1	308.4	295.5	289.1
27.5°	3951.1	3441.4	2141.5	779.5	398.3	355.5	316.9	280.5	250.6	231.3	229.1
30°	3844.1	3347.2	1884.6	539.7	361.9	314.8	272.0	229.1	199.2	186.3	182.0
32.5°	3799.1	3259.4	1604.0	415.5	329.8	278.4	229.1	190.6	167.0	154.2	152.0
35°	3745.5	3130.9	1332.0	361.9	299.8	242.0	192.7	160.6	141.3	130.6	130.6
37.5°	3752.0	3028.1	1077.2	327.7	267.7	207.7	164.9	137.1	119.9	109.2	109.2
40°	3732.7	2946.8	837.3	297.7	237.7	177.7	139.2	115.6	100.7	89.9	87.8
42.5°	3820.5	2925.3	631.8	272.0	207.7	152.0	119.9	98.5	83.5	70.7	70.7
45°	3968.3	2959.6	492.6	248.4	177.7	130.6	102.8	81.4	66.4	57.8	55.7
47.5°	4362.3	3094.5	385.5	229.1	152.0	113.5	85.7	66.4	53.5	45.0	42.8
50°	4934.1	3396.5	327.7	201.3	128.5	96.4	70.7	51.4	42.8	34.3	32.1
52.5°	5747.9	3904.0	297.7	177.7	107.1	79.2	55.7	40.7	32.1	25.7	23.6
55°	6634.5	4537.9	269.8	149.9	89.9	64.2	45.0	32.1	23.6	17.1	15.0
57.5°	7326.2	5086.1	246.3	124.2	72.8	51.4	34.3	23.6	17.1	10.7	8.6
60°	8082.2	5471.6	216.3	98.5	60.0	38.5	25.7	17.1	12.8	6.4	6.4
62.5°	8861.7	5923.5	177.7	77.1	47.1	30.0	19.3	12.8	8.6	2.1	2.1
65°	9945.3	6276.8	137.1	60.0	36.4	21.4	15.0	10.7	4.3	0.0	0.0
67.5°	10251.5	6103.4	100.7	47.1	25.7	15.0	10.7	6.4	2.1	0.0	0.0
69°	9945.3	5497.3	87.8	40.7	21.4	12.8	8.6	4.3	2.1	0.0	0.0
70°	9386.3	5026.2	77.1	34.3	19.3	12.8	6.4	4.3	2.1	0.0	0.0
72.5°	7850.9	3854.8	60.0	25.7	15.0	10.7	6.4	4.3	0.0	0.0	0.0
75°	5758.6	2381.4	45.0	19.3	12.8	8.6	6.4	4.3	0.0	0.0	0.0
77.5°	3086.0	869.5	32.1	12.8	8.6	6.4	6.4	4.3	0.0	0.0	0.0
80°	845.9	257.0	23.6	8.6	6.4	4.3	4.3	2.1	0.0	0.0	0.0
82.5°	231.3	66.4	15.0	8.6	6.4	4.3	2.1	0.0	0.0	0.0	0.0
85°	124.2	25.7	8.6	6.4	4.3	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	64.2	8.6	6.4	4.3	4.3	2.1	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)