

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: P232914

Luminaire Tested: **UFLD-C70-X-U-66-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P232914  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-C70-X-U-66-7030  
Description: LED FLOOD LIGHT LUMINAIRE  
Light Source: (2) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23417.6 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: (L: 0 ' x W: 1 ' x H: 0.67 '  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

Input Watts (W): 184  
Input Voltage (V): NR  
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: 28.75 FT

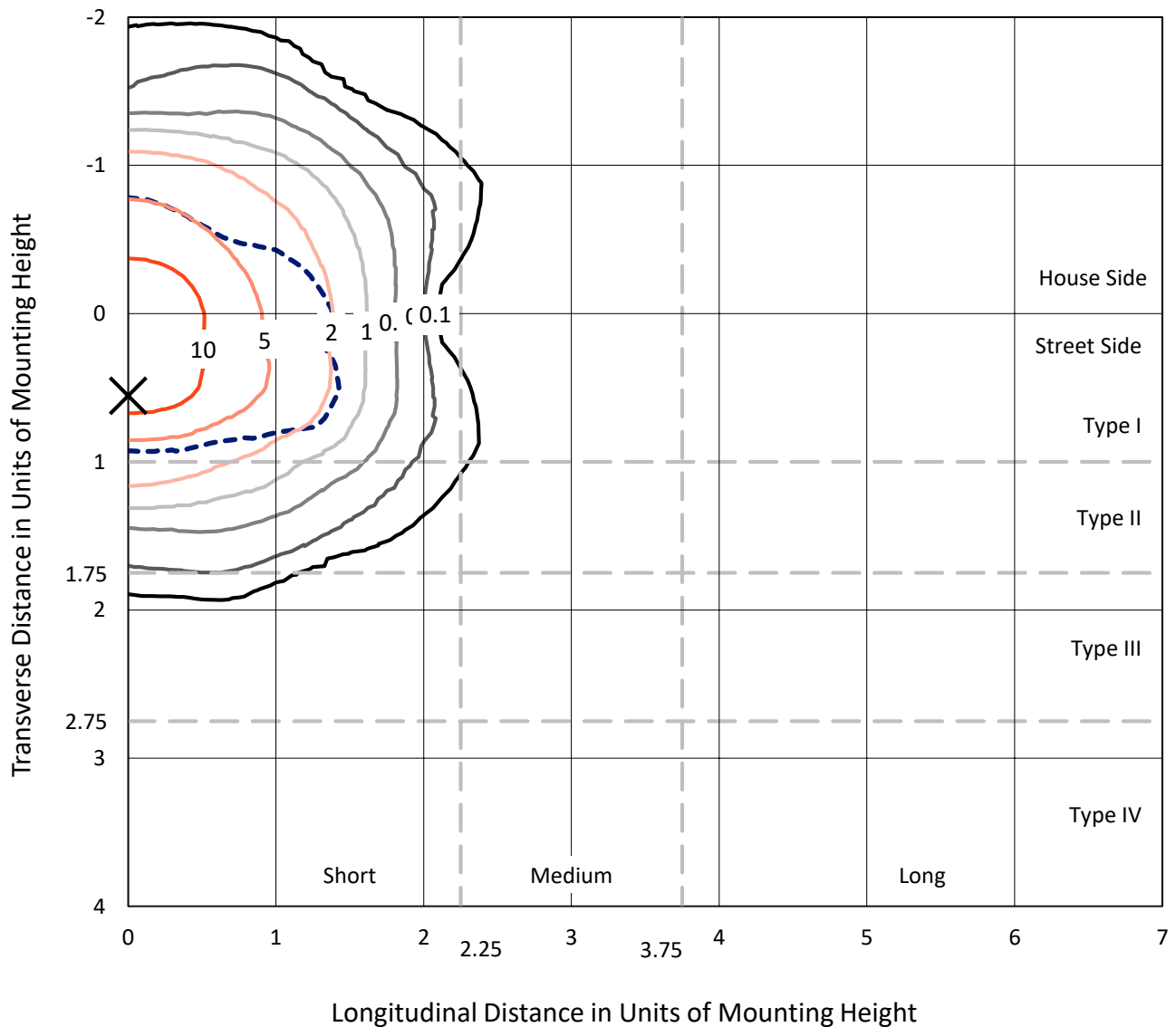


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

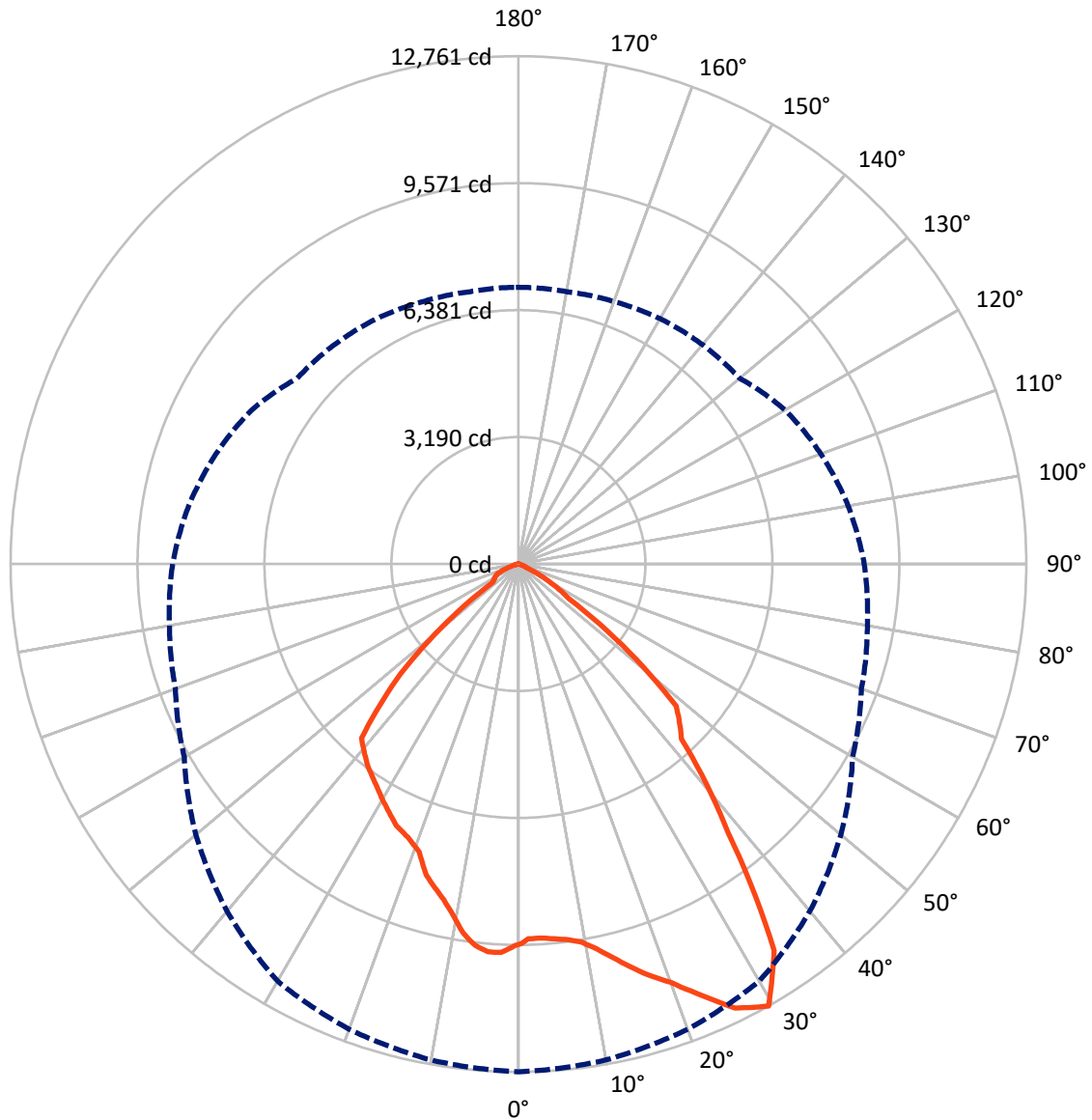


Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical

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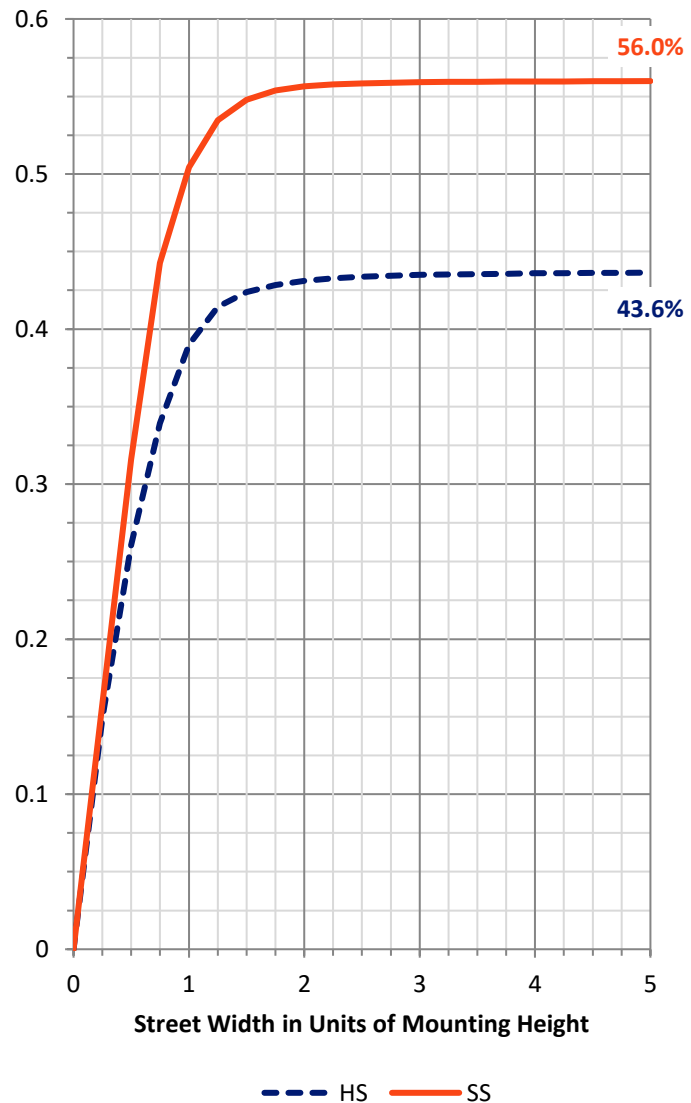
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10308.5	0.0	10308.5
	% Fixture	44.0	0.0	44.0
<b>Street Side</b>	Lumens	13109.2	0.0	13109.2
	% Fixture	56.0	0.0	56.0
<b>Total</b>	Lumens	23417.6	0.0	23417.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	911.5	3.9
10°-20°	2657.1	11.3
20°-30°	4283.4	18.3
30°-40°	5287.8	22.6
40°-50°	5165.5	22.1
50°-60°	3591.0	15.3
60°-70°	1498.6	6.4
70°-80°	320.7	1.4
80°-90°	42.7	0.2
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°	23417.6	100.0
0°-180°	23417.6	100.0



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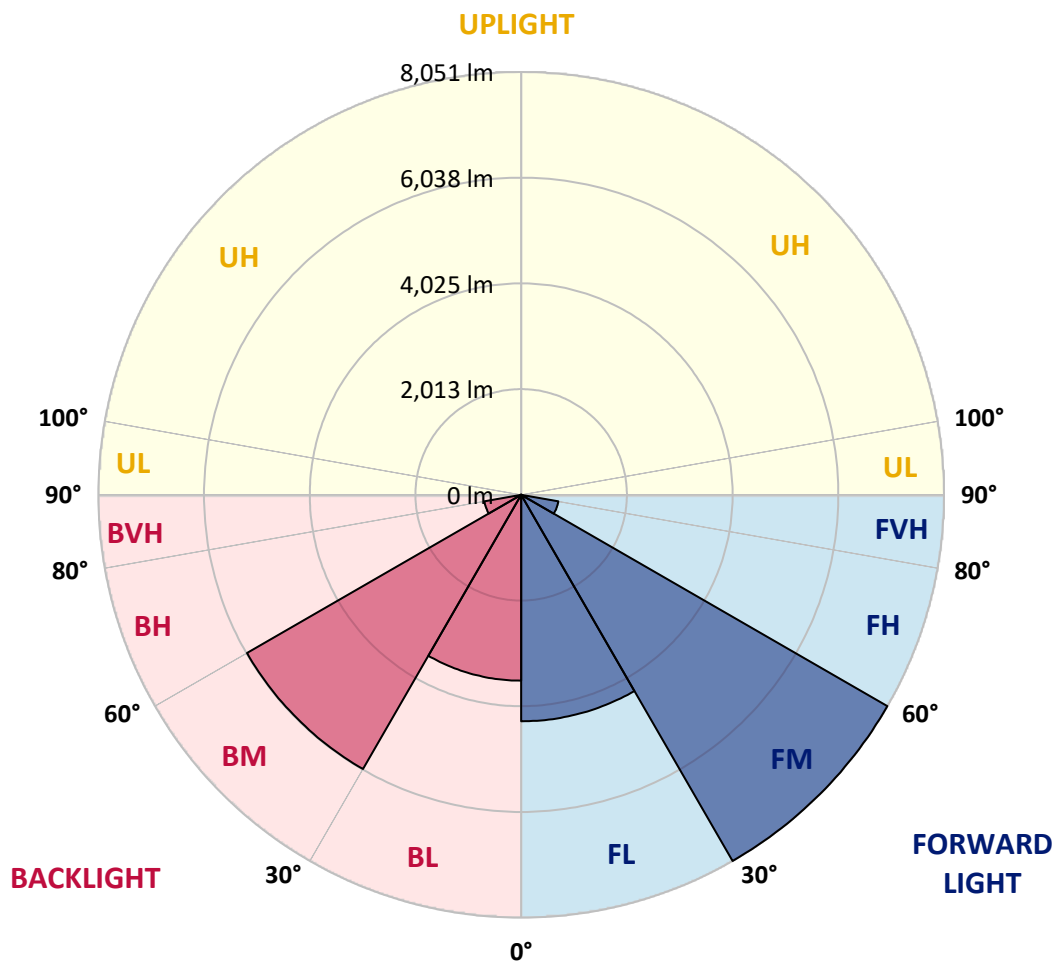
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4312.2	18.4			
FM	(30°-60°)	8050.9	34.4			
FH	(60°-80°)	717.9	3.1			G1/1800
FVH	(80°-90°)	17.4	0.1			G1/100
BL	(0°-30°)	3538.1	15.1	B4/5000		
BM	(30°-60°)	6027.9	25.7	B4/8500		
BH	(60°-80°)	711.7	3.0	B2/1000		G2/1000
BVH	(80°-90°)	22.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5
1°	9419.7	9425.6	9434.3	9445.1	9457.3	9470.4	9483.9	9497.7	9511.7	9525.8	9539.2
3°	9413.9	9422.2	9430.6	9429.5	9429.9	9432.1	9435.9	9441.0	9489.9	9543.3	9582.0
5°	9460.6	9452.8	9444.7	9435.3	9425.7	9420.3	9430.7	9451.7	9480.1	9534.5	9613.9
7°	9519.9	9520.6	9506.3	9481.0	9444.9	9421.9	9411.7	9425.2	9472.3	9561.8	9641.2
9°	9632.8	9627.6	9592.5	9558.9	9503.1	9449.2	9408.0	9399.6	9473.9	9555.9	9632.1
11°	9866.4	9834.1	9768.8	9668.5	9554.1	9480.4	9415.6	9395.5	9451.5	9542.3	9600.7
13°	10167.1	10117.5	10007.6	9837.6	9664.7	9507.2	9421.4	9395.1	9463.8	9565.7	9563.1
15°	10495.0	10435.4	10285.2	10073.8	9828.8	9584.3	9449.4	9405.8	9486.4	9575.4	9505.4
17°	10827.8	10745.4	10590.6	10334.7	10007.2	9695.4	9474.1	9442.2	9533.1	9695.1	9418.5
19.5°	11184.0	11124.2	10956.3	10666.2	10288.6	9886.6	9550.3	9449.7	9522.2	9778.8	9305.1
22.5°	11768.8	11649.5	11405.9	11045.3	10620.0	10117.1	9639.8	9380.6	9382.9	9408.0	9053.4
25.5°	12414.0	12250.2	11955.5	11492.4	11011.3	10387.4	9696.0	9254.3	9188.6	9078.2	8772.6
29°	12761.4	12655.1	12438.2	12103.1	11389.7	10578.5	9696.7	9172.4	8903.9	8688.9	8412.8
33°	11641.3	11722.1	11959.2	12306.9	11700.0	10624.6	9706.5	9168.8	8550.0	8115.7	7877.2
37.5°	8547.8	8783.8	9571.8	10784.0	11275.5	10762.3	9735.6	9184.0	8290.1	7834.5	7447.5
42.5°	6011.9	6225.8	6782.3	7566.5	8984.0	10170.8	9881.5	9172.8	8004.9	7636.0	7227.9
47.5°	5334.6	5295.0	5386.0	5436.5	6197.9	8120.6	9741.2	8977.5	7520.2	7192.3	6943.1
55°	1531.7	1832.1	2467.8	3116.1	4024.8	4522.6	7004.2	7100.4	5939.6	6165.6	5802.9
65°	244.3	264.3	547.9	551.8	791.8	1276.7	1613.1	1863.6	1147.6	343.5	1143.7
75°	38.0	44.0	70.4	60.2	65.5	55.6	93.8	117.5	125.2	214.1	184.3
85°	7.8	30.2	32.0	29.5	31.3	31.1	37.4	44.2	44.9	48.7	46.8
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):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5
1°	9552.1	9563.7	9573.3	9580.5	9585.0	9587.0	9586.6	9584.2	9586.6	9587.0	9585.0
3°	9618.5	9648.8	9678.9	9708.4	9736.5	9761.6	9770.0	9770.0	9770.0	9761.6	9736.5
5°	9665.5	9710.8	9741.6	9750.3	9760.5	9763.4	9763.6	9774.9	9763.6	9763.4	9760.5
7°	9690.6	9714.9	9717.1	9705.2	9670.3	9645.5	9640.8	9643.5	9640.8	9645.5	9670.3
9°	9672.5	9648.8	9598.7	9549.7	9467.0	9402.0	9375.2	9381.8	9375.2	9402.0	9467.0
11°	9592.9	9515.9	9405.2	9273.2	9160.1	9044.0	8967.3	8977.9	8967.3	9044.0	9160.1
13°	9490.7	9315.8	9118.2	8956.3	8807.8	8723.8	8655.0	8646.1	8655.0	8723.8	8807.8
15°	9349.6	9080.8	8863.7	8702.3	8556.4	8463.1	8401.7	8395.0	8401.7	8463.1	8556.4
17°	9183.3	8868.6	8657.0	8503.2	8361.5	8228.5	8158.1	8150.8	8158.1	8228.5	8361.5
19.5°	8996.5	8702.3	8482.3	8277.4	8074.9	7828.3	7681.1	7651.6	7681.1	7828.3	8074.9
22.5°	8774.6	8530.9	8247.9	7901.4	7576.5	7486.7	7433.9	7406.3	7433.9	7486.7	7576.5
25.5°	8501.2	8224.1	7892.4	7481.4	7369.3	7305.6	7253.7	7251.6	7253.7	7305.6	7369.3
29°	8087.5	7739.7	7258.2	7193.4	7120.4	7017.1	6949.8	6953.8	6949.8	7017.1	7120.4
33°	7574.2	7138.5	6827.1	6814.2	6704.7	6627.8	6612.0	6624.0	6612.0	6627.8	6704.7
37.5°	7086.2	6642.0	6413.2	6278.9	6228.7	6267.1	6294.5	6305.8	6294.5	6267.1	6228.7
42.5°	6694.7	6282.7	5909.5	5766.6	5810.2	5825.5	5872.7	5891.2	5872.7	5825.5	5810.2
47.5°	6402.8	5974.5	5394.1	5289.4	5129.8	4549.6	4168.3	4042.3	4168.3	4549.6	5129.8
55°	5430.5	5309.6	4555.3	3483.6	2411.8	1550.9	1038.4	783.4	1038.4	1550.9	2411.8
65°	1874.1	1406.0	871.1	656.8	764.1	650.6	599.1	598.5	599.1	650.6	764.1
75°	224.3	163.7	167.1	139.3	178.6	147.7	101.8	86.6	101.8	147.7	178.6
85°	40.9	36.3	36.7	32.2	28.9	28.7	21.4	1.0	21.4	28.7	28.9
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):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5	9535.5
1°	9580.5	9573.3	9563.7	9552.1	9539.2	9525.8	9511.7	9497.7	9483.9	9470.4	9457.3
3°	9708.4	9678.9	9648.8	9618.5	9582.0	9543.3	9489.9	9441.0	9435.9	9432.1	9429.9
5°	9750.3	9741.6	9710.8	9665.5	9613.9	9534.5	9480.1	9451.7	9430.7	9420.3	9425.7
7°	9705.2	9717.1	9714.9	9690.6	9641.2	9561.8	9472.3	9425.2	9411.7	9421.9	9444.9
9°	9549.7	9598.7	9648.8	9672.5	9632.1	9555.9	9473.9	9399.6	9408.0	9449.2	9503.1
11°	9273.2	9405.2	9515.9	9592.9	9600.7	9542.3	9451.5	9395.5	9415.6	9480.4	9554.1
13°	8956.3	9118.2	9315.8	9490.7	9563.1	9565.7	9463.8	9395.1	9421.4	9507.2	9664.7
15°	8702.3	8863.7	9080.8	9349.6	9505.4	9575.4	9486.4	9405.8	9449.4	9584.3	9828.8
17°	8503.2	8657.0	8868.6	9183.3	9418.5	9695.1	9533.1	9442.2	9474.1	9695.4	10007.2
19.5°	8277.4	8482.3	8702.3	8996.5	9305.1	9778.8	9522.2	9449.7	9550.3	9886.6	10288.6
22.5°	7901.4	8247.9	8530.9	8774.6	9053.4	9408.0	9382.9	9380.6	9639.8	10117.1	10620.0
25.5°	7481.4	7892.4	8224.1	8501.2	8772.6	9078.2	9188.6	9254.3	9696.0	10387.4	11011.3
29°	7193.4	7258.2	7739.7	8087.5	8412.8	8688.9	8903.9	9172.4	9696.7	10578.5	11389.7
33°	6814.2	6827.1	7138.5	7574.2	7877.2	8115.7	8550.0	9168.8	9706.5	10624.6	11700.0
37.5°	6278.9	6413.2	6642.0	7086.2	7447.5	7834.5	8290.1	9184.0	9735.6	10762.3	11275.5
42.5°	5766.6	5909.5	6282.7	6694.7	7227.9	7636.0	8004.9	9172.8	9881.5	10170.8	8984.0
47.5°	5289.4	5394.1	5974.5	6402.8	6943.1	7192.3	7520.2	8977.5	9741.2	8120.6	6197.9
55°	3483.6	4555.3	5309.6	5430.5	5802.9	6165.6	5939.6	7100.4	7004.2	4522.6	4024.8
65°	656.8	871.1	1406.0	1874.1	1143.7	343.5	1147.6	1863.6	1613.1	1276.7	791.8
75°	139.3	167.1	163.7	224.3	184.3	214.1	125.2	117.5	93.8	55.6	65.5
85°	32.2	36.7	36.3	40.9	46.8	48.7	44.9	44.2	37.4	31.1	31.3
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):**

	330°	340°	350°	360°
0°	9535.5	9535.5	9535.5	9535.5
1°	9445.1	9434.3	9425.6	9419.7
3°	9429.5	9430.6	9422.2	9413.9
5°	9435.3	9444.7	9452.8	9460.6
7°	9481.0	9506.3	9520.6	9519.9
9°	9558.9	9592.5	9627.6	9632.8
11°	9668.5	9768.8	9834.1	9866.4
13°	9837.6	10007.6	10117.5	10167.1
15°	10073.8	10285.2	10435.4	10495.0
17°	10334.7	10590.6	10745.4	10827.8
19.5°	10666.2	10956.3	11124.2	11184.0
22.5°	11045.3	11405.9	11649.5	11768.8
25.5°	11492.4	11955.5	12250.2	12414.0
29°	12103.1	12438.2	12655.1	12761.4
33°	12306.9	11959.2	11722.1	11641.3
37.5°	10784.0	9571.8	8783.8	8547.8
42.5°	7566.5	6782.3	6225.8	6011.9
47.5°	5436.5	5386.0	5295.0	5334.6
55°	3116.1	2467.8	1832.1	1531.7
65°	551.8	547.9	264.3	244.3
75°	60.2	70.4	44.0	38.0
85°	29.5	32.0	30.2	7.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)