

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: P413948

Luminaire Tested: **LXF.LXT-PA1-100-760-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413948  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-760-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7925 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

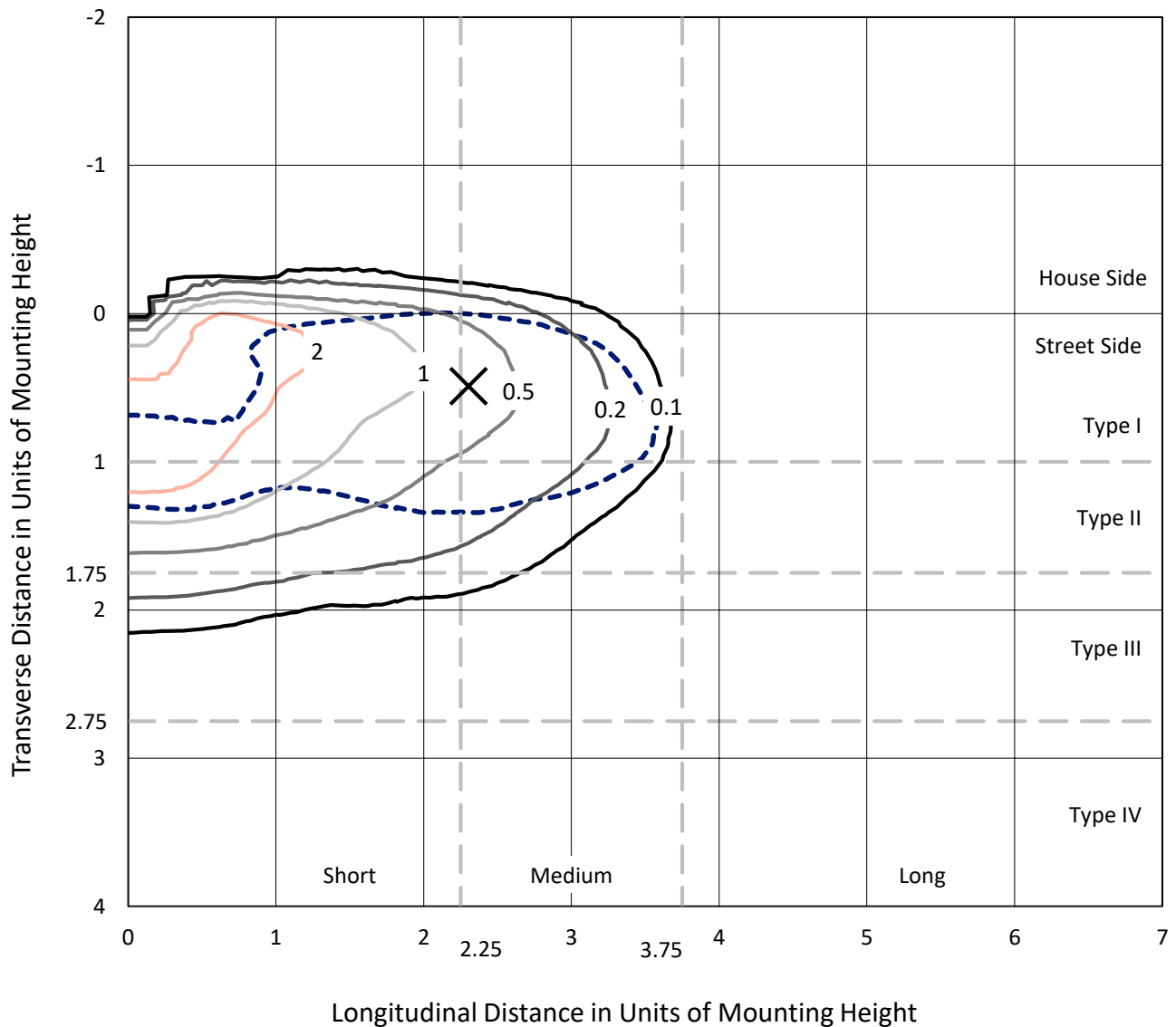


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

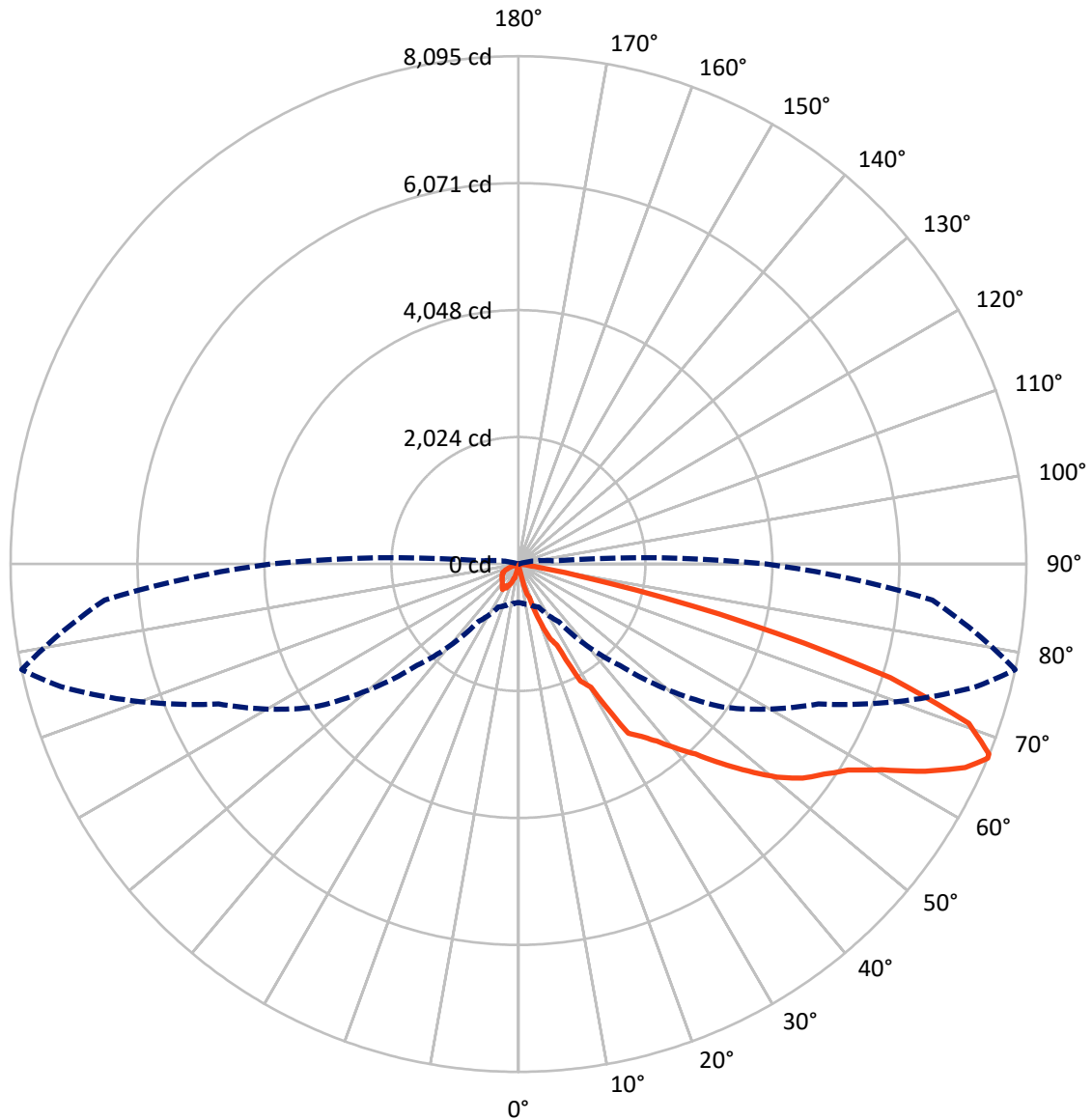


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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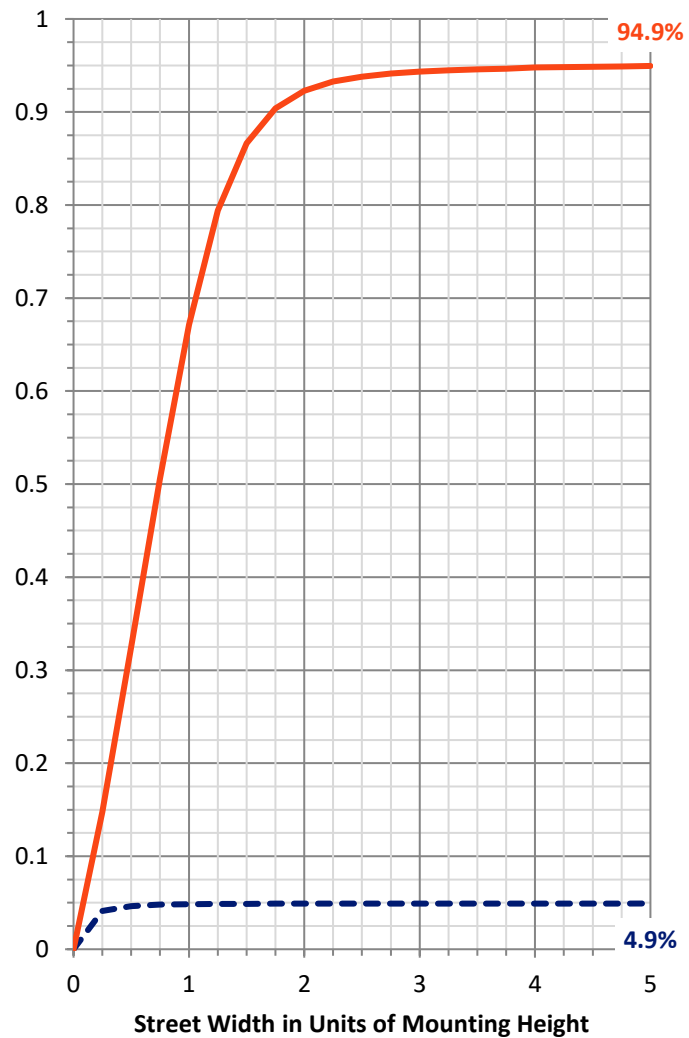
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	392.5	0.0	392.5
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	7532.6	0.0	7532.6
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	7925.0	0.0	7925.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.5	0.1
10°-20°	108.0	1.4
20°-30°	430.3	5.4
30°-40°	1094.7	13.8
40°-50°	1792.3	22.6
50°-60°	2021.0	25.5
60°-70°	1742.8	22.0
70°-80°	701.1	8.8
80°-90°	27.5	0.3
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°	7925.0	100.0
0°-180°	7925.0	100.0

**Coefficient of Utilization**



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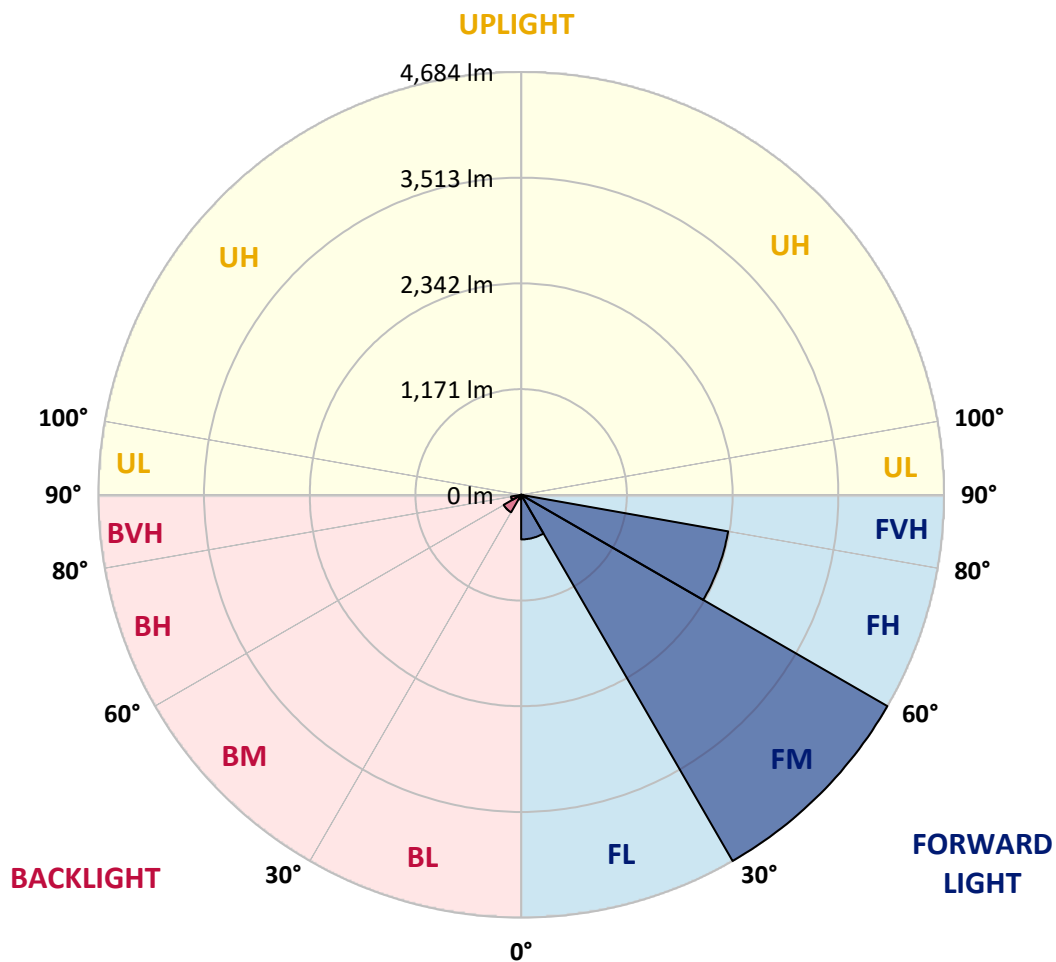
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.3	6.2			
FM (30°-60°)	4684.5	59.1			
FH (60°-80°)	2329.1	29.4			G2/5000
FVH (80°-90°)	24.7	0.3			G1/100
BL (0°-30°)	51.5	0.6	B0/110		
BM (30°-60°)	223.4	2.8	B1/1000		
BH (60°-80°)	114.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.1	1.1	2.2	2.2	4.4	4.4	3.3	3.3	3.3	3.3	3.3
5°	331.9	259.8	184.5	53.5	20.7	9.8	4.4	3.3	3.3	3.3	2.2
7.5°	370.1	366.8	362.5	360.3	353.7	342.8	24.0	4.4	3.3	3.3	3.3
10°	396.3	389.8	388.7	387.6	383.2	374.5	358.1	20.7	3.3	3.3	3.3
12.5°	795.9	792.6	779.5	456.4	410.5	401.8	387.6	278.4	21.8	183.4	198.7
15°	786.1	783.9	792.6	810.1	826.5	441.1	629.9	794.8	488.0	467.3	486.9
17.5°	813.4	812.3	798.1	812.3	837.4	977.1	899.6	866.8	541.5	565.5	519.7
20°	1218.4	1216.2	1228.2	1155.1	869.0	1217.3	1130.0	938.9	1063.4	977.1	981.5
22.5°	1279.5	1283.9	1280.6	1305.7	1508.8	1257.7	1406.2	1459.7	1477.1	1293.7	1116.9
25°	1877.8	1850.5	1793.7	1386.5	1626.7	1560.1	1786.1	1577.6	1588.5	1431.3	1431.3
27.5°	2103.8	2103.8	2056.9	2003.4	1726.1	2003.4	1880.0	2072.1	2259.9	2111.4	1792.6
30°	2854.9	2833.1	2359.3	2291.6	2148.6	2120.2	2269.7	2432.4	2349.4	2279.6	2016.5
32.5°	3394.2	3396.4	3276.3	2909.5	2554.7	2364.7	2628.9	2683.5	3132.2	3214.1	2733.7
35°	4331.0	4276.4	3689.0	3356.0	3006.7	2880.0	2866.9	3143.1	3400.8	3372.4	2963.0
37.5°	4926.0	4887.8	4603.9	3856.1	3408.4	3124.6	3294.9	3308.0	3725.0	3582.0	3237.0
40°	5198.9	5181.4	4941.3	4305.9	3761.1	3458.7	3513.2	3555.8	4050.4	3853.9	3467.4
42.5°	5419.4	5403.1	5184.7	4531.8	4099.5	3778.5	3758.9	3766.5	4313.5	4141.0	3699.9
45°	5525.3	5515.5	5421.6	4731.6	4246.9	3986.0	4026.4	3977.2	4542.8	4531.8	3957.6
47.5°	5422.7	5428.2	5454.4	4908.5	4355.0	4149.7	4286.2	4207.6	4815.7	4930.3	4248.0
50°	5061.3	5059.2	5208.7	4934.7	4417.2	4280.7	4515.5	4424.9	5139.9	5338.6	4510.0
52.5°	3948.9	4094.1	4635.6	4653.0	4403.0	4346.2	4688.0	4674.9	5445.6	5670.5	4772.0
55°	2971.7	3030.7	3544.9	4036.2	4219.6	4338.6	4749.1	4843.0	5671.6	5912.9	4977.3
57.5°	2335.2	2315.6	2597.3	3253.4	3756.7	4209.8	4734.9	4908.5	5892.2	6196.8	5248.0
60°	1708.6	1726.1	1949.9	2359.3	3089.6	3917.2	4691.2	5014.4	6241.5	6655.3	5650.9
62.5°	1239.1	1239.1	1393.1	1643.1	2366.9	3447.7	4596.3	5162.9	6788.5	7277.6	6130.2
65°	834.1	828.6	943.3	1071.0	1621.2	2852.7	4340.8	5301.5	7312.5	7824.6	6541.8
67°	613.6	625.6	672.5	756.6	1121.2	2285.0	3976.1	5274.2	7553.8	8095.3	6622.5
67.5°	574.3	579.7	644.1	718.4	1033.9	2134.4	3872.4	5241.5	7580.0	8088.8	6581.1
70°	417.0	425.8	460.7	482.6	625.6	1408.4	3090.7	4726.2	7197.9	7614.9	5983.9
72.5°	223.8	242.4	335.2	333.0	388.7	859.2	2101.6	3507.8	5916.2	6198.9	4593.0
75°	174.7	176.9	199.8	246.7	251.1	478.2	1011.0	2038.3	3742.5	3763.3	2550.3
77.5°	127.7	133.2	147.4	156.1	163.8	271.8	353.7	810.1	1657.3	1447.7	955.3
80°	86.2	89.5	97.2	115.7	134.3	153.9	114.6	216.2	389.8	302.4	143.0
82.5°	37.1	36.0	67.7	97.2	96.1	63.3	57.9	67.7	77.5	71.0	43.7
85°	2.2	3.3	34.9	46.9	40.4	27.3	36.0	28.4	29.5	28.4	21.8
87.5°	1.1	1.1	3.3	4.4	5.5	5.5	6.6	6.6	8.7	9.8	8.7
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.3	3.3	3.3	3.3	3.3	1.1	1.1	0.0	0.0	0.0	0.0
5°	3.3	3.3	3.3	3.3	3.3	1.1	0.0	0.0	0.0	0.0	0.0
7.5°	3.3	3.3	3.3	3.3	3.3	1.1	0.0	12.0	32.8	34.9	33.8
10°	3.3	3.3	3.3	3.3	2.2	28.4	39.3	37.1	36.0	34.9	34.9
12.5°	198.7	168.1	30.6	6.6	28.4	36.0	31.7	31.7	30.6	30.6	30.6
15°	434.5	364.6	171.4	57.9	44.8	30.6	28.4	28.4	46.9	51.3	50.2
17.5°	455.3	367.9	168.1	78.6	64.4	39.3	39.3	50.2	49.1	46.9	46.9
20°	865.8	567.7	194.3	77.5	59.0	62.2	46.9	43.7	41.5	39.3	39.3
22.5°	925.8	667.1	208.5	98.3	63.3	62.2	48.0	40.4	51.3	50.2	50.2
25°	1195.5	805.7	188.9	91.7	81.9	56.8	51.3	44.8	43.7	41.5	41.5
27.5°	1481.5	953.1	208.5	95.0	74.2	55.7	48.0	39.3	41.5	45.9	45.9
30°	1624.5	954.2	164.9	97.2	71.0	56.8	42.6	43.7	41.5	40.4	39.3
32.5°	2180.2	1224.9	158.3	92.8	66.6	49.1	43.7	38.2	34.9	38.2	38.2
35°	2278.5	1182.4	137.6	93.9	60.0	44.8	37.1	34.9	34.9	33.8	33.8
37.5°	2386.6	1136.5	121.2	83.0	57.9	40.4	31.7	31.7	30.6	32.8	32.8
40°	2505.6	1088.5	108.1	72.1	49.1	33.8	28.4	27.3	28.4	28.4	27.3
42.5°	2644.2	1041.5	97.2	63.3	41.5	28.4	22.9	22.9	22.9	21.8	21.8
45°	2792.7	1004.4	89.5	54.6	34.9	24.0	18.6	17.5	16.4	16.4	16.4
47.5°	2968.5	989.1	83.0	45.9	29.5	18.6	14.2	13.1	12.0	10.9	10.9
50°	3115.8	982.6	73.1	38.2	25.1	15.3	9.8	8.7	7.6	6.6	6.6
52.5°	3245.8	954.2	63.3	30.6	19.7	10.9	6.6	4.4	3.3	3.3	3.3
55°	3374.6	928.0	54.6	26.2	14.2	6.6	3.3	1.1	1.1	2.2	2.2
57.5°	3534.0	898.5	46.9	21.8	10.9	4.4	2.2	0.0	1.1	1.1	2.2
60°	3784.0	867.9	41.5	18.6	7.6	3.3	1.1	0.0	0.0	1.1	1.1
62.5°	4007.8	814.4	36.0	16.4	6.6	3.3	1.1	0.0	0.0	0.0	1.1
65°	4105.0	704.2	31.7	14.2	6.6	3.3	1.1	0.0	0.0	0.0	0.0
67°	3942.3	569.9	28.4	13.1	5.5	2.2	1.1	0.0	0.0	0.0	0.0
67.5°	3865.9	531.7	28.4	12.0	5.5	2.2	1.1	1.1	0.0	0.0	0.0
70°	3281.8	352.6	25.1	10.9	5.5	2.2	2.2	1.1	0.0	0.0	0.0
72.5°	2518.7	205.2	21.8	9.8	5.5	2.2	2.2	1.1	1.1	0.0	0.0
75°	1408.4	103.7	17.5	9.8	5.5	3.3	3.3	2.2	2.2	2.2	0.0
77.5°	450.9	56.8	13.1	8.7	5.5	3.3	3.3	2.2	3.3	3.3	1.1
80°	71.0	29.5	9.8	6.6	5.5	2.2	3.3	3.3	4.4	4.4	1.1
82.5°	26.2	16.4	7.6	6.6	5.5	2.2	3.3	3.3	4.4	5.5	0.0
85°	12.0	9.8	7.6	6.6	5.5	2.2	3.3	3.3	4.4	5.5	0.0
87.5°	5.5	7.6	6.6	6.6	5.5	2.2	3.3	3.3	4.4	4.4	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)