

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: P415517

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-740-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4773 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

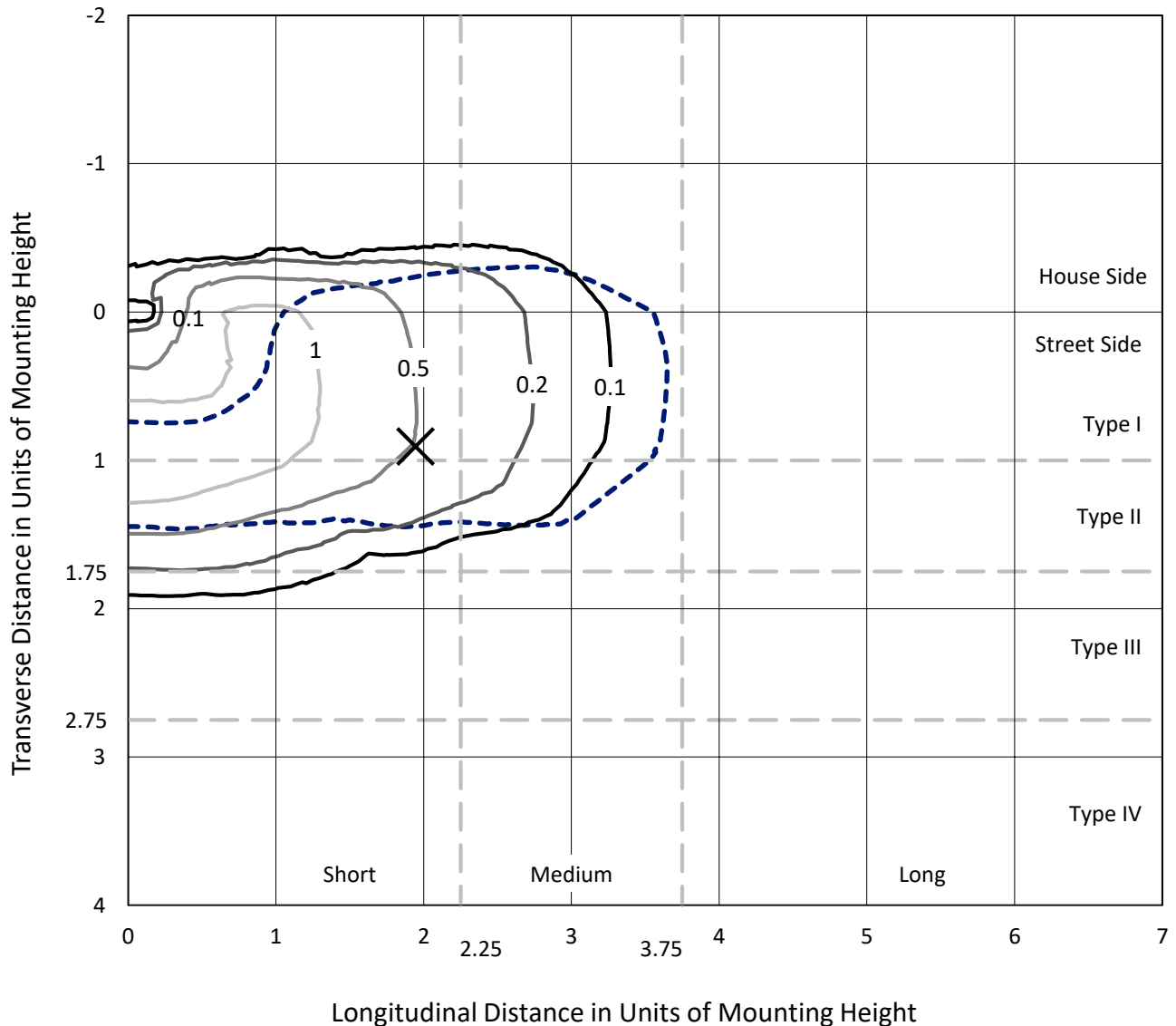
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

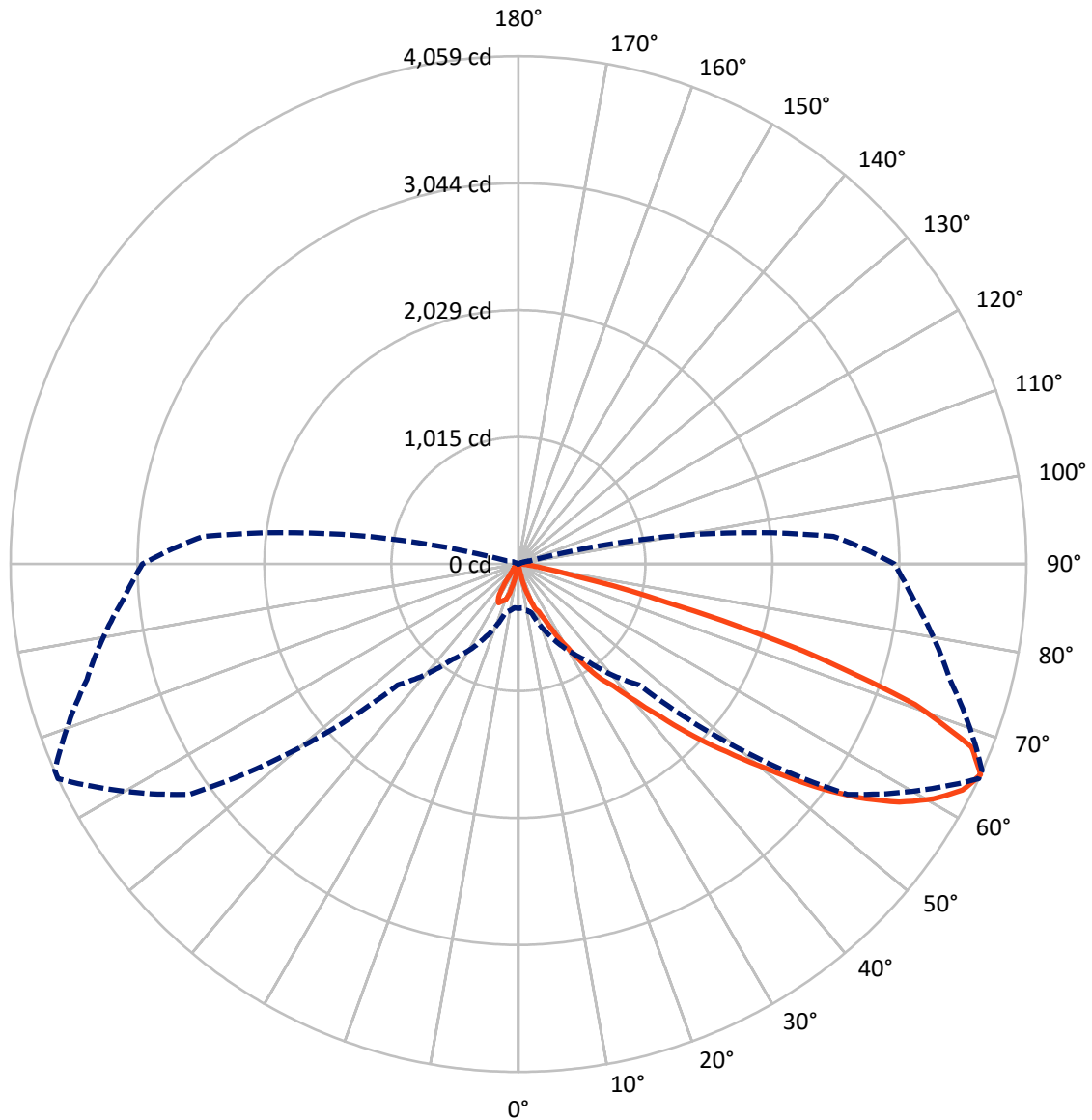
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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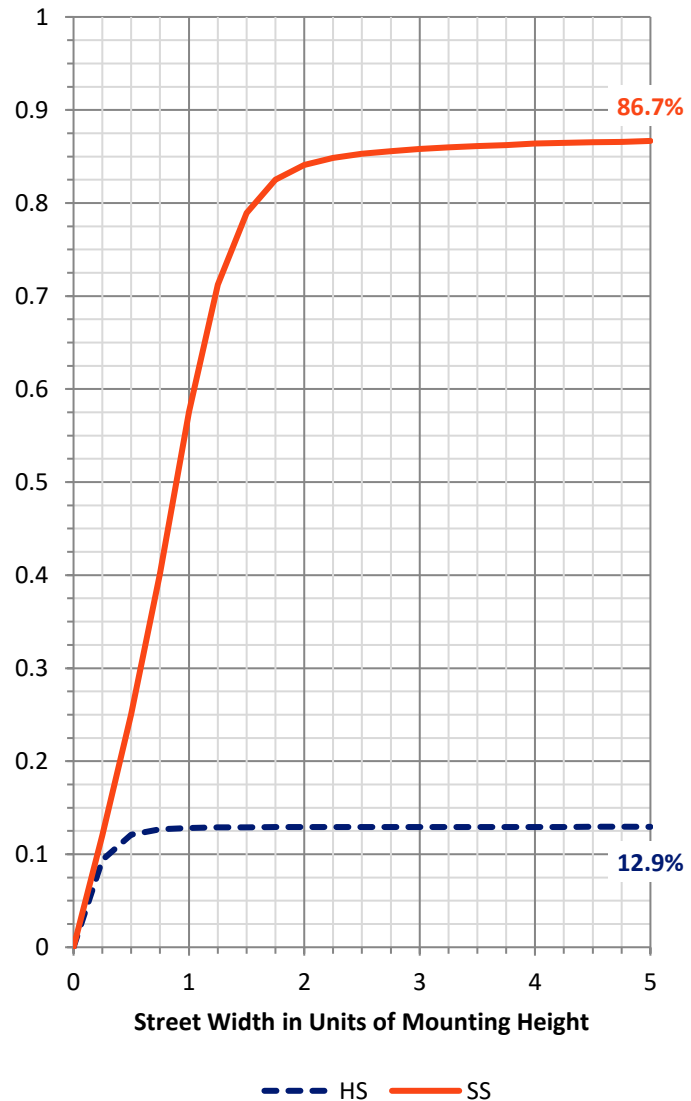
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	626.2	0.0	626.2
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	4146.7	0.0	4146.7
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	4773.0	0.0	4773.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	49.6	1.0
20°-30°	168.3	3.5
30°-40°	473.6	9.9
40°-50°	1050.8	22.0
50°-60°	1409.0	29.5
60°-70°	1122.5	23.5
70°-80°	462.4	9.7
80°-90°	33.1	0.7
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°	4773.0	100.0
0°-180°	4773.0	100.0



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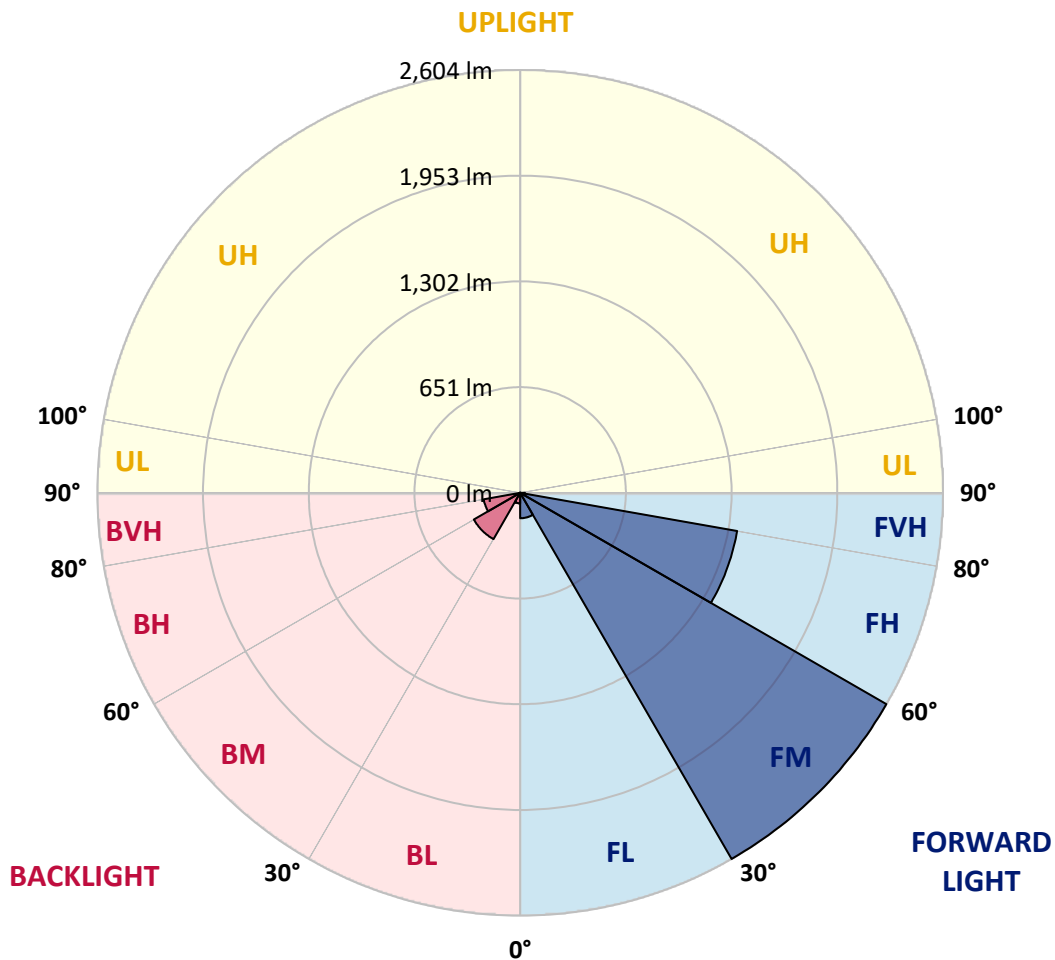
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.5	3.3			
FM	(30°-60°)	2604.0	54.6			
FH	(60°-80°)	1356.8	28.4			G1/1800
FVH	(80°-90°)	29.4	0.6			G1/100
BL	(0°-30°)	65.1	1.4	B0/110		
BM	(30°-60°)	329.3	6.9	B1/1000		
BH	(60°-80°)	228.1	4.8	B1/500		G1/500
BVH	(80°-90°)	3.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.7	0.7	0.7	2.1	2.1	2.1	2.1	1.4	1.4	1.4	1.4
5°	20.5	19.1	14.1	7.8	4.2	2.8	2.1	1.4	1.4	1.4	1.4
7.5°	142.6	141.9	141.9	143.3	144.0	51.5	4.9	2.1	2.1	1.4	1.4
10°	137.0	136.3	136.3	138.4	140.5	141.2	135.6	3.5	2.8	1.4	1.4
12.5°	255.6	251.3	160.3	140.5	137.0	138.4	139.1	120.0	55.8	86.1	106.6
15°	256.3	254.2	256.3	259.8	207.6	144.7	211.1	206.2	206.2	151.8	208.3
17.5°	259.1	256.3	257.7	262.6	254.9	299.4	282.4	292.3	292.3	216.0	230.2
20°	382.7	382.0	387.6	283.8	317.0	371.4	307.8	377.7	384.8	321.2	332.5
22.5°	390.4	389.7	398.9	397.5	389.0	398.9	450.4	413.7	415.8	485.7	439.1
25°	543.6	530.9	430.7	422.9	511.2	473.7	540.1	498.5	494.2	587.4	557.1
27.5°	622.0	616.4	622.7	603.7	541.5	581.1	584.6	641.8	612.8	672.8	686.3
30°	756.2	759.7	727.9	696.1	709.6	674.3	703.2	780.2	776.6	762.5	865.6
32.5°	1207.3	1170.6	1108.5	862.8	808.4	783.0	863.5	950.3	915.0	967.3	1070.3
35°	1597.7	1515.8	1412.8	1237.7	1004.0	936.2	1034.3	1119.8	1097.9	1203.1	1196.7
37.5°	2248.7	2210.6	2031.9	1585.0	1352.0	1167.8	1215.1	1235.5	1261.0	1381.0	1378.2
40°	2633.5	2589.7	2463.3	2109.6	1706.5	1448.8	1428.3	1438.9	1447.4	1568.1	1576.6
42.5°	2956.8	2937.1	2814.2	2475.3	2145.6	1904.2	1712.8	1671.2	1686.7	1808.8	1792.6
45°	3176.4	3153.1	3042.3	2805.7	2532.5	2408.3	2043.2	1962.0	1966.3	2034.1	2021.4
47.5°	3224.4	3196.9	3147.5	3016.1	2923.7	2822.7	2457.0	2243.0	2291.1	2294.6	2251.5
50°	3053.6	3019.7	3061.3	3030.3	3171.5	3222.3	2875.6	2570.6	2653.2	2577.7	2458.4
52.5°	2630.7	2641.2	2769.7	2863.6	3180.6	3501.9	3325.4	2946.2	3002.0	2811.4	2654.0
55°	2089.1	2115.3	2327.8	2500.0	2964.6	3580.3	3650.9	3294.3	3316.2	3059.9	2812.1
57.5°	1538.4	1573.7	1835.0	2027.0	2545.9	3411.5	3810.4	3590.1	3633.2	3239.2	2922.2
60°	946.8	979.3	1275.1	1567.4	1954.3	2926.5	3831.6	3811.8	3861.3	3365.6	3033.1
62.5°	576.8	604.4	733.6	1088.7	1404.3	2212.0	3655.1	3982.0	4006.7	3493.4	3112.9
65°	355.1	350.2	402.4	661.5	936.9	1367.6	3208.9	4058.9	4056.1	3570.4	3166.5
67.5°	235.1	239.3	259.1	363.6	638.2	739.2	2300.9	3907.9	3893.7	3607.8	3145.3
70°	208.3	209.7	229.5	257.7	459.6	430.7	1161.4	3364.2	3344.4	3506.8	3013.3
72.5°	163.1	168.0	200.5	233.7	331.8	315.6	437.7	2382.8	2408.3	2980.8	2651.8
75°	115.8	119.3	151.8	204.0	247.8	241.5	247.1	1228.5	1303.3	1979.0	1943.0
77.5°	72.7	75.5	98.1	151.1	210.4	177.9	173.0	482.2	540.1	968.0	972.2
80°	50.1	50.8	60.7	101.7	151.1	146.1	117.2	192.7	194.9	350.9	336.8
82.5°	29.7	29.7	40.2	62.8	92.5	119.3	75.5	96.7	100.3	129.9	74.1
85°	10.6	11.3	21.9	36.0	51.5	62.8	45.2	53.0	55.1	67.1	35.3
87.5°	0.7	1.4	7.1	11.3	14.1	12.7	14.8	16.2	18.4	21.9	12.7
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.4	1.4	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7
5°	1.4	1.4	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7
7.5°	1.4	1.4	2.1	2.1	2.1	1.4	19.8	110.1	115.1	118.6	119.3
10°	4.2	2.8	2.1	2.1	2.1	114.4	118.6	115.8	113.7	111.6	112.3
12.5°	108.0	108.0	98.1	63.5	106.6	117.2	110.8	103.8	98.1	91.8	92.5
15°	207.6	206.2	182.2	156.7	179.3	115.1	95.3	126.4	108.0	95.3	93.2
17.5°	230.9	223.8	195.6	249.9	222.4	131.3	110.1	74.8	53.7	48.7	48.0
20°	332.5	323.4	285.2	302.9	203.3	151.8	66.4	42.4	38.1	45.9	47.3
22.5°	427.9	415.1	356.5	313.5	228.8	93.2	46.6	46.6	45.9	44.5	43.8
25°	550.0	527.4	478.0	328.3	181.4	61.4	50.8	41.7	37.4	34.6	34.6
27.5°	675.7	645.3	547.9	349.5	119.3	57.2	45.2	35.3	37.4	36.0	36.0
30°	859.2	817.6	638.2	326.9	77.7	53.0	38.1	34.6	30.4	28.9	28.2
32.5°	1049.2	972.9	727.2	284.5	61.4	45.2	35.3	28.2	27.5	28.2	28.2
35°	1170.6	1099.3	823.2	206.9	53.7	39.5	28.9	26.1	24.0	23.3	23.3
37.5°	1316.0	1227.8	831.7	134.1	46.6	32.5	24.7	21.9	21.9	22.6	22.6
40°	1490.4	1393.7	797.8	82.6	40.2	26.8	21.2	19.8	19.1	19.1	19.1
42.5°	1686.0	1563.8	750.5	62.1	33.9	22.6	17.7	16.9	16.2	16.2	16.2
45°	1895.0	1735.4	685.6	51.5	28.2	19.1	14.8	14.1	14.1	13.4	13.4
47.5°	2111.7	1919.0	587.4	45.2	23.3	15.5	12.7	12.0	11.3	11.3	11.3
50°	2297.4	2087.0	467.4	38.8	19.8	13.4	9.9	9.2	9.2	8.5	8.5
52.5°	2466.1	2229.6	370.7	33.2	16.2	10.6	7.8	7.1	7.1	6.4	6.4
55°	2596.1	2335.5	276.8	27.5	13.4	8.5	5.6	4.9	4.9	4.2	4.9
57.5°	2705.5	2400.5	209.7	22.6	11.3	6.4	4.2	3.5	2.8	2.8	2.8
60°	2809.3	2452.7	154.6	17.7	9.2	4.9	2.8	2.1	1.4	1.4	1.4
62.5°	2920.8	2499.3	122.1	14.1	7.8	3.5	1.4	1.4	0.0	0.0	0.0
65°	3004.8	2528.3	94.6	11.3	6.4	2.1	1.4	0.7	0.0	0.0	0.0
67.5°	3007.7	2491.6	74.1	9.2	5.6	2.1	0.7	0.0	0.0	0.0	0.0
70°	2899.6	2335.5	55.1	8.5	4.9	2.1	1.4	0.7	0.0	0.0	0.0
72.5°	2512.7	1833.5	39.5	7.1	4.2	2.1	1.4	0.7	0.7	0.0	0.0
75°	1817.3	1083.7	27.5	6.4	4.2	2.1	2.1	1.4	1.4	1.4	0.0
77.5°	932.0	450.4	18.4	5.6	3.5	1.4	2.8	2.1	2.1	2.1	0.7
80°	273.2	155.3	11.3	4.9	3.5	1.4	2.8	2.8	2.8	2.8	0.7
82.5°	52.2	30.4	7.1	4.9	3.5	1.4	2.8	2.8	2.8	3.5	0.0
85°	20.5	12.0	4.9	4.2	3.5	1.4	2.8	2.8	3.5	3.5	0.0
87.5°	7.1	5.6	4.2	3.5	3.5	1.4	2.8	2.8	2.8	3.5	0.7
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)