

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: P415899

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-730-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5130 lumens  
Efficiency: N/A  
Efficacy: 80.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

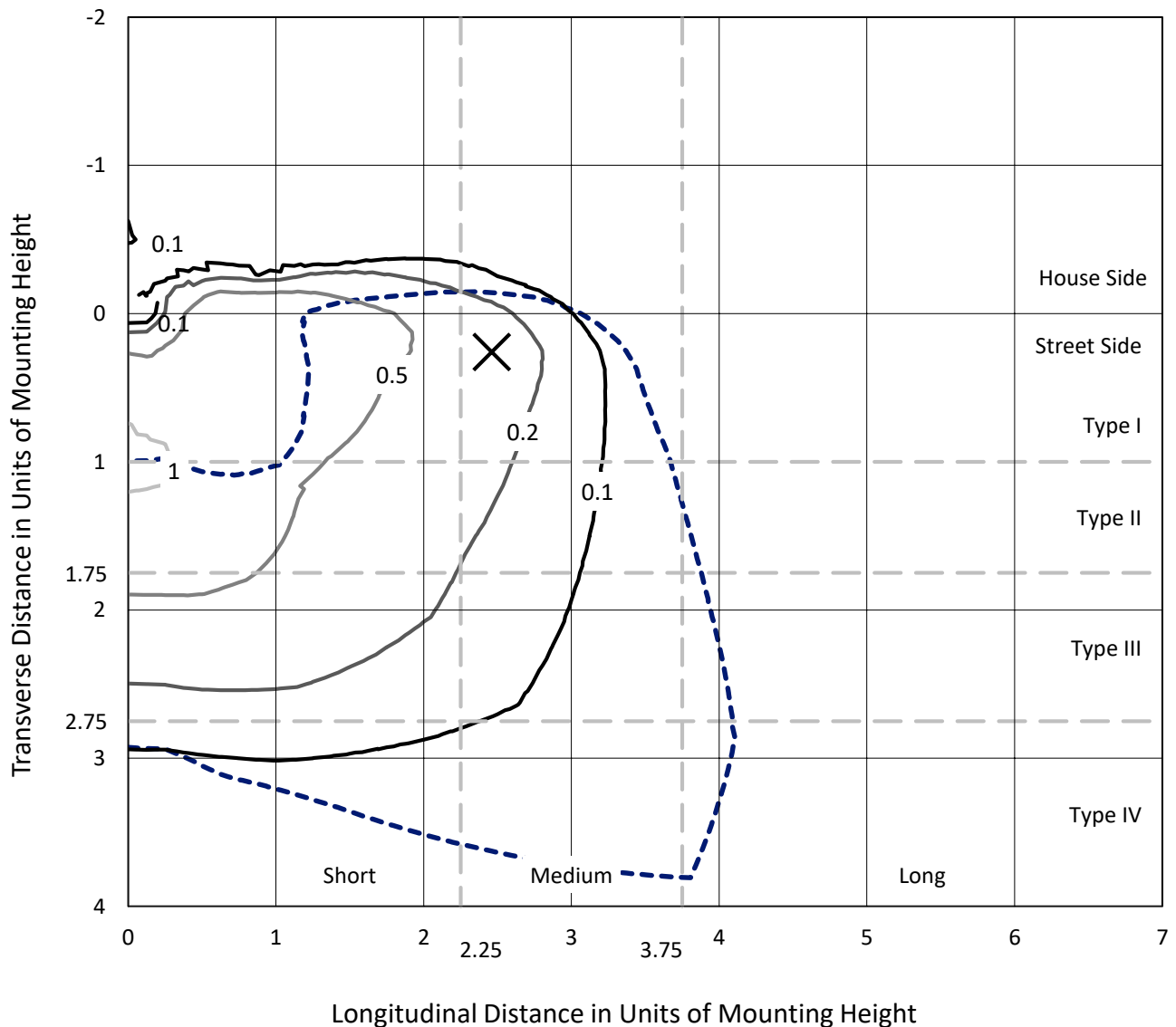
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415899  
 CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

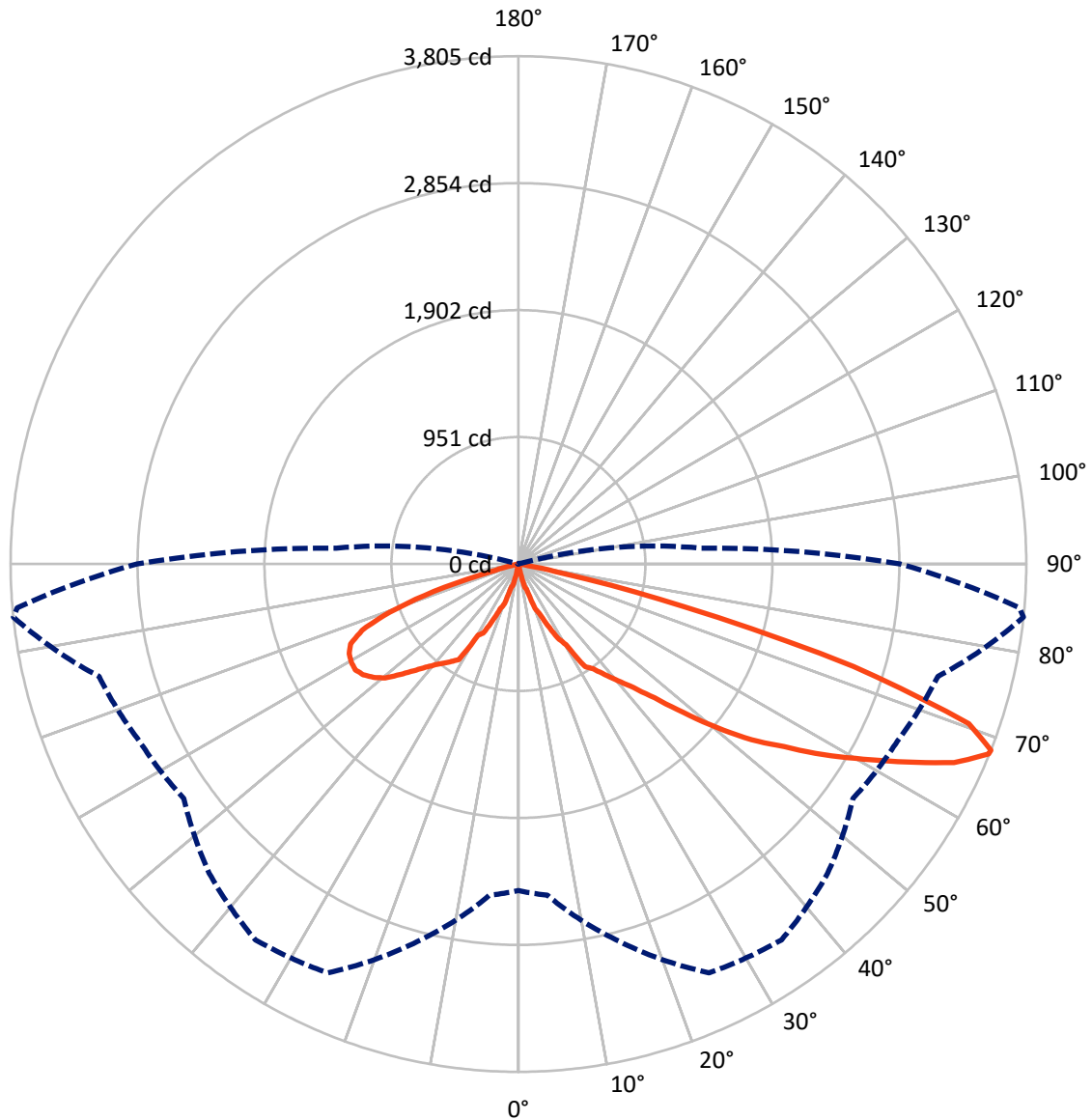


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415899

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



REPORT NUMBER: P415899

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-HSS

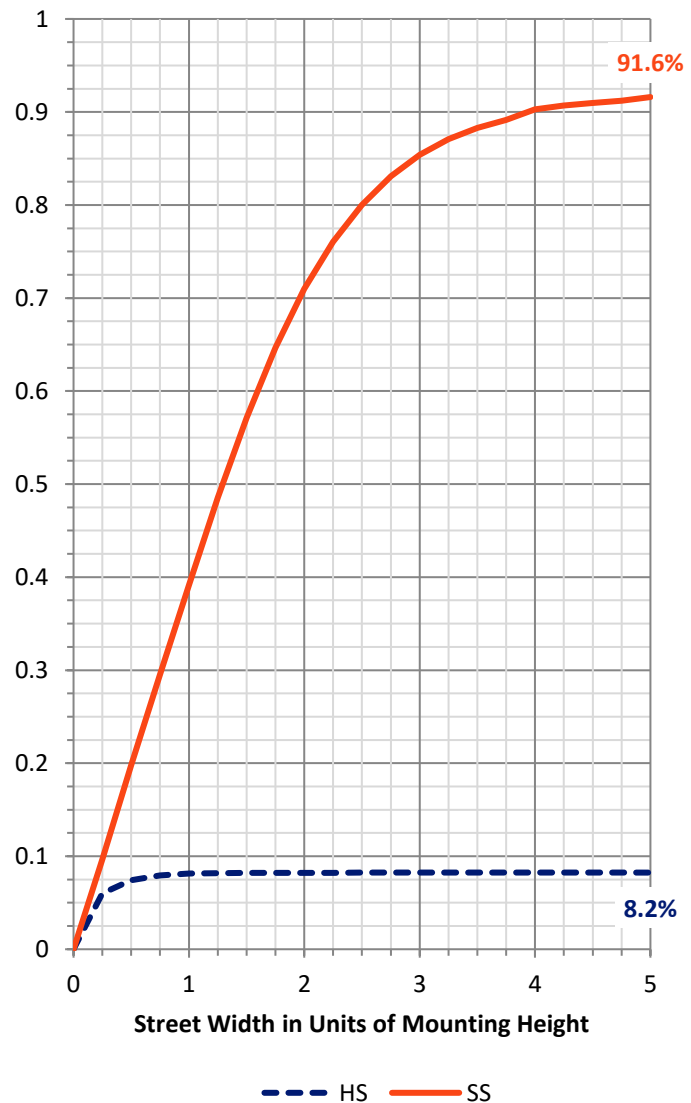
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	426.3	0.0	426.3
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	4703.7	0.0	4703.7
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	5130.0	0.0	5130.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	46.4	0.9
20°-30°	166.3	3.2
30°-40°	355.2	6.9
40°-50°	634.8	12.4
50°-60°	1126.2	22.0
60°-70°	1618.5	31.6
70°-80°	1089.6	21.2
80°-90°	89.5	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°	5130.0	100.0
0°-180°	5130.0	100.0



REPORT NUMBER: P415899

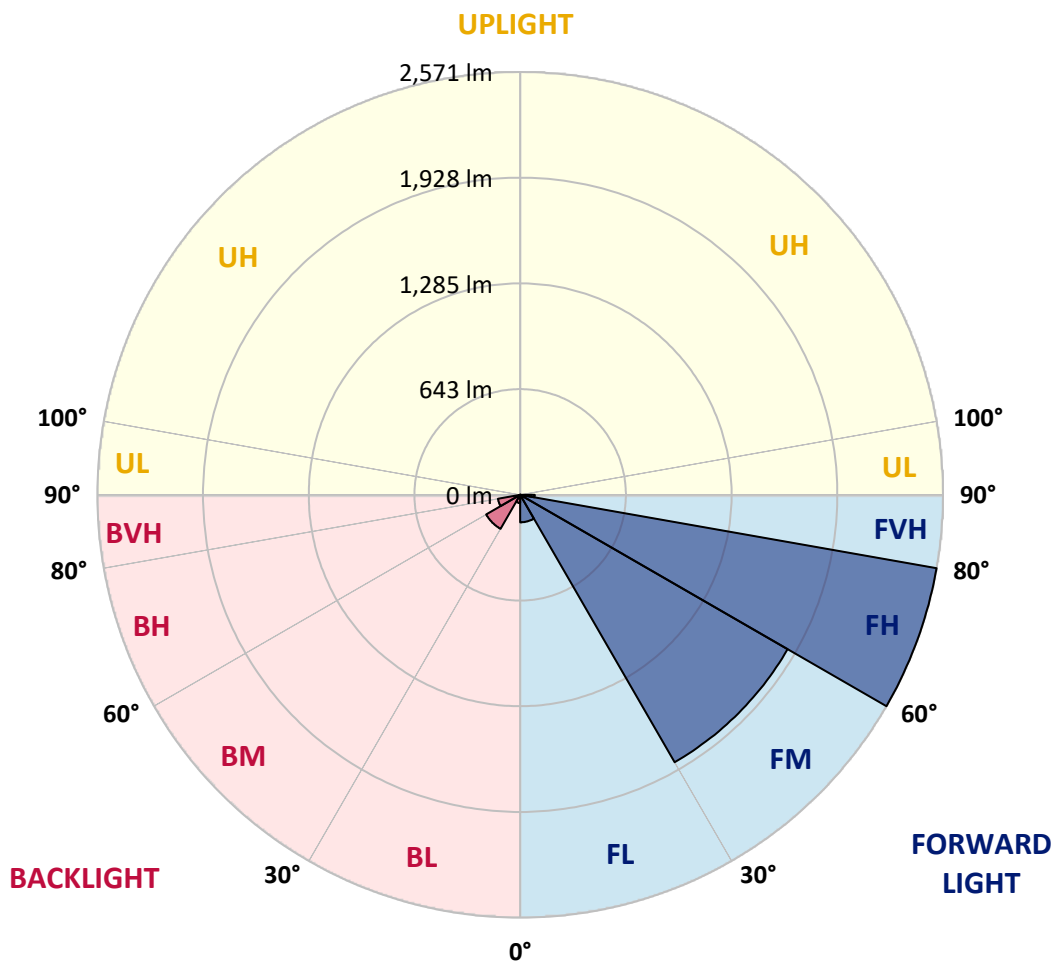
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.2	3.3			
FM	(30°-60°)	1877.4	36.6			
FH	(60°-80°)	2570.9	50.1			G2/5000
FVH	(80°-90°)	88.2	1.7			G1/100
BL	(0°-30°)	48.9	1.0	B0/110		
BM	(30°-60°)	238.8	4.7	B1/1000		
BH	(60°-80°)	137.2	2.7	B1/500		G1/500
BVH	(80°-90°)	1.4	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 IV Medium





REPORT NUMBER: P415899

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.7	0.7	0.0	0.7	0.7	1.5	1.5	2.2	2.2	2.2	2.2
5°	39.4	33.4	32.7	29.0	20.8	5.2	1.5	2.2	2.2	2.2	2.2
7.5°	141.2	138.9	137.5	134.5	131.5	101.0	20.1	2.2	2.2	2.2	2.2
10°	151.6	148.6	146.4	142.7	138.2	133.0	127.1	16.3	2.2	2.2	2.2
12.5°	313.5	309.8	214.7	177.6	146.4	138.9	134.5	69.8	64.6	73.6	84.0
15°	329.9	326.9	318.7	308.3	277.1	156.8	211.0	262.3	170.9	182.0	182.0
17.5°	367.8	361.8	333.6	318.0	305.4	335.8	308.3	280.9	184.3	195.4	195.4
20°	514.9	513.4	505.2	352.9	321.0	425.0	335.8	299.4	340.3	355.2	338.1
22.5°	519.4	517.9	511.9	491.9	504.5	436.9	482.2	452.5	464.4	405.7	402.7
25°	688.8	682.8	546.8	500.8	569.1	465.9	573.6	499.3	490.4	506.7	506.7
27.5°	701.4	699.9	695.4	666.5	584.0	659.8	590.7	646.4	659.0	626.3	643.4
30°	798.7	749.7	723.7	706.6	688.0	692.5	689.5	743.7	686.5	699.9	692.5
32.5°	929.5	925.0	911.7	753.4	764.5	722.9	803.9	795.7	887.9	916.9	912.4
35°	1111.5	1040.2	953.3	871.5	793.5	858.9	830.7	925.8	948.8	962.2	989.7
37.5°	1271.3	1248.2	1167.2	924.3	879.0	884.2	950.3	991.9	1026.1	1049.8	1061.7
40°	1417.6	1400.5	1346.3	1080.3	925.0	959.9	1014.2	1037.2	1104.8	1148.7	1149.4
42.5°	1634.6	1645.0	1594.5	1221.5	1049.8	1066.2	1112.3	1116.0	1176.2	1263.8	1266.8
45°	1905.8	1891.7	1879.0	1426.5	1168.7	1158.3	1222.2	1213.3	1306.2	1429.5	1444.4
47.5°	2167.3	2147.3	2113.1	1662.8	1333.7	1261.6	1350.8	1358.2	1503.1	1660.6	1666.5
50°	2369.4	2362.0	2327.8	1937.7	1552.9	1404.3	1493.4	1581.1	1734.9	1924.4	1937.0
52.5°	2592.3	2575.2	2515.0	2195.5	1834.5	1619.0	1664.3	1818.1	1979.3	2187.4	2185.9
55°	2740.9	2743.1	2685.9	2458.6	2090.0	1861.9	1879.8	2116.0	2202.2	2414.7	2430.3
57.5°	2938.5	2922.2	2937.8	2767.6	2436.3	2108.6	2150.2	2354.5	2431.8	2694.1	2704.5
60°	3085.7	3091.6	3168.9	3053.0	2704.5	2359.7	2395.4	2549.2	2660.7	2967.5	3000.2
62.5°	3090.9	3122.8	3330.8	3339.0	2995.0	2631.7	2608.6	2748.3	2846.4	3264.7	3304.1
65°	2807.8	2827.1	3295.9	3414.8	3264.7	2898.4	2811.5	2916.2	3029.9	3586.4	3593.9
67.5°	2523.9	2529.9	2982.4	3392.5	3426.7	3218.6	3027.7	3099.8	3209.7	3798.2	3772.2
68°	2446.7	2491.3	2928.1	3379.9	3437.1	3276.6	3060.4	3134.7	3253.6	3804.9	3768.5
70°	2217.8	2265.4	2667.3	3238.7	3431.9	3495.0	3239.5	3249.9	3281.1	3580.5	3463.8
72.5°	1491.2	1523.1	2110.8	2756.5	3320.4	3749.1	3439.3	3181.5	2943.7	2625.0	2521.7
75°	573.6	577.3	1064.0	1894.6	2870.9	3622.1	3228.3	2682.2	1999.4	1277.9	1199.9
77.5°	214.0	210.3	308.3	878.2	1822.6	2814.5	2410.3	1644.2	832.9	335.1	327.7
80°	75.8	78.0	119.6	264.5	740.8	1644.2	1341.8	669.4	245.2	74.3	68.4
82.5°	29.7	31.9	60.9	125.6	318.0	690.2	572.8	284.6	143.4	28.2	26.7
85°	6.7	7.4	23.8	62.4	121.1	199.9	201.4	173.9	118.9	13.4	12.6
87.5°	0.7	1.5	6.7	8.2	9.7	5.2	17.1	17.8	32.7	5.2	5.2
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: P415899

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	2.2	2.2	2.2	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.2	2.2	2.2	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.2	2.2	2.2	1.5	0.7	0.7	0.0	65.4	67.6	69.8	70.6
10°	2.2	2.2	2.2	1.5	1.5	68.4	80.2	77.3	72.1	69.8	70.6
12.5°	81.0	78.8	25.3	5.2	62.4	75.0	61.7	51.3	46.1	42.4	42.4
15°	176.8	170.1	141.9	108.5	101.8	58.0	39.4	33.4	49.0	59.4	59.4
17.5°	188.0	179.8	159.0	157.5	103.3	50.5	40.9	52.8	55.7	58.7	58.7
20°	364.1	326.2	224.4	150.8	75.8	61.7	51.3	50.5	52.8	56.5	57.2
22.5°	390.1	371.5	282.3	182.8	69.1	66.9	59.4	56.5	75.8	82.5	82.5
25°	495.6	477.7	303.9	145.6	84.0	68.4	75.0	70.6	72.1	78.0	78.0
27.5°	633.8	601.1	399.0	122.6	78.0	74.3	76.5	70.6	83.2	98.8	98.8
30°	702.1	636.7	381.9	108.5	79.5	81.0	73.6	86.2	86.2	92.1	92.9
32.5°	936.9	891.6	430.2	91.4	79.5	74.3	80.2	81.7	80.2	104.0	104.8
35°	997.1	942.9	368.5	95.1	75.8	72.1	72.1	81.0	86.2	91.4	92.1
37.5°	1070.7	1000.1	289.8	89.2	78.8	69.8	66.1	69.1	75.8	89.2	89.9
40°	1164.3	1062.5	222.9	84.0	73.6	63.9	60.2	63.2	63.2	66.9	67.6
42.5°	1290.6	1136.8	164.9	80.2	69.1	58.7	52.8	49.0	46.8	46.1	46.8
45°	1463.7	1231.9	123.3	76.5	66.1	52.0	43.8	35.7	29.7	29.7	30.5
47.5°	1669.5	1338.1	100.3	70.6	61.7	44.6	33.4	23.0	18.6	19.3	20.1
50°	1888.7	1450.3	87.7	65.4	56.5	36.4	22.3	14.1	11.9	12.6	13.4
52.5°	2091.5	1523.1	82.5	60.2	49.8	28.2	14.1	9.7	8.9	8.9	9.7
55°	2295.1	1578.1	78.0	55.0	40.1	18.6	8.2	7.4	7.4	6.7	6.7
57.5°	2484.6	1610.8	70.6	47.6	28.2	11.1	5.9	5.9	5.2	5.2	5.2
60°	2658.4	1607.1	56.5	35.7	17.8	6.7	4.5	4.5	3.7	3.7	3.7
62.5°	2836.0	1590.7	40.1	25.3	11.9	4.5	3.0	3.0	2.2	1.5	2.2
65°	2943.0	1544.7	26.7	17.8	7.4	3.0	2.2	1.5	0.7	0.0	0.7
67.5°	2898.4	1410.9	20.1	13.4	5.2	2.2	1.5	0.7	0.0	0.0	0.0
68°	2857.6	1368.6	18.6	12.6	4.5	2.2	1.5	0.7	0.0	0.0	0.0
70°	2535.8	1140.5	16.3	10.4	3.7	2.2	1.5	0.7	0.0	0.0	0.0
72.5°	1691.8	740.8	13.4	8.2	3.0	1.5	1.5	0.7	0.0	0.0	0.0
75°	780.1	237.8	10.4	6.7	2.2	1.5	1.5	0.7	0.0	0.0	0.0
77.5°	208.0	50.5	6.7	4.5	2.2	1.5	1.5	0.7	0.7	0.7	0.0
80°	49.8	15.6	4.5	3.7	2.2	1.5	1.5	0.7	0.7	0.7	0.0
82.5°	18.6	8.2	3.0	3.0	2.2	1.5	1.5	0.7	1.5	1.5	0.0
85°	8.2	5.2	3.0	3.0	2.2	1.5	1.5	1.5	1.5	2.2	0.0
87.5°	3.7	3.7	3.0	3.0	3.0	1.5	2.2	2.2	2.2	2.2	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)