

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: P416254

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416254  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-727-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5384 lumens  
Efficiency: N/A  
Efficacy: 72.8 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): 74  
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

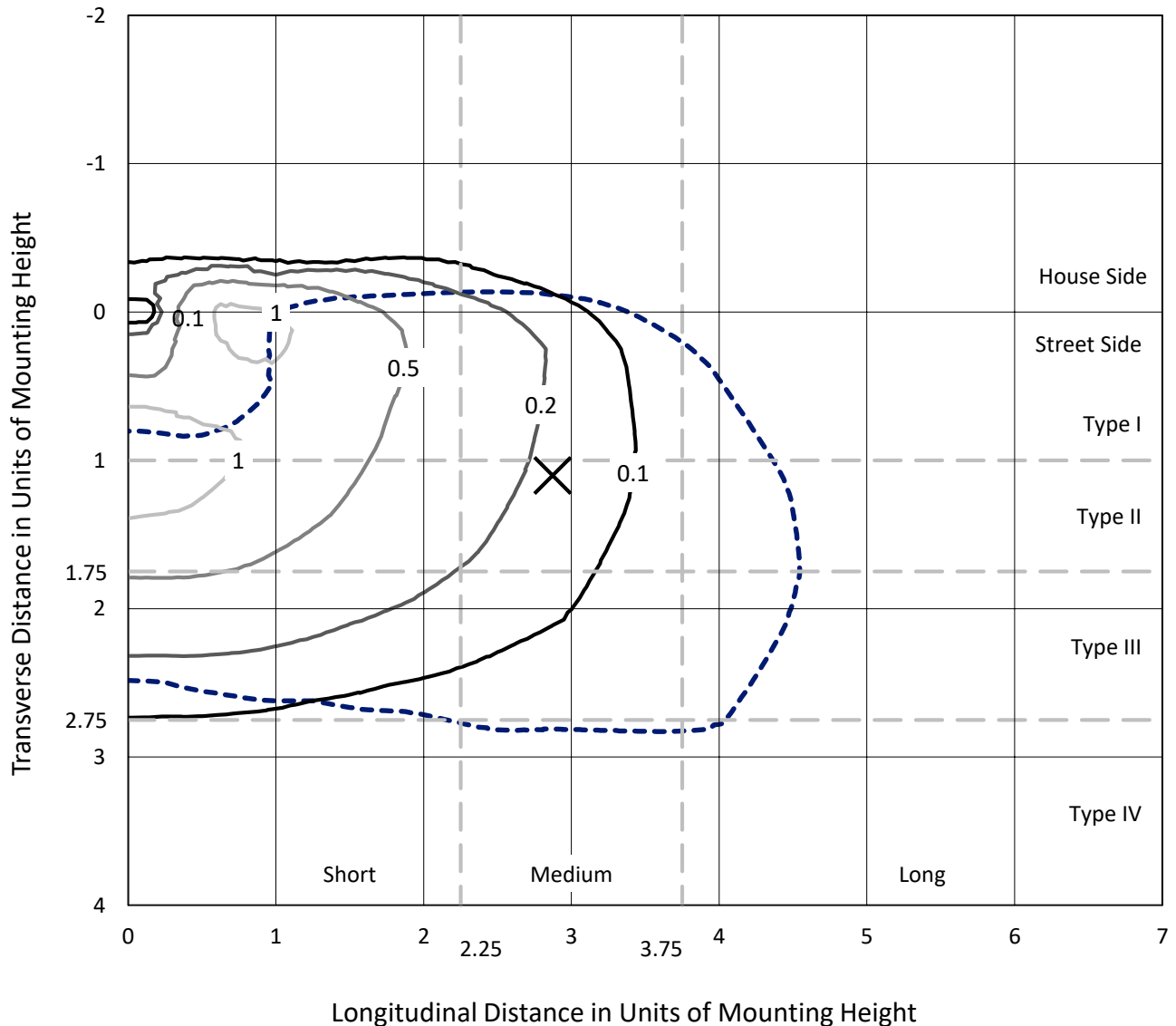


REPORT NUMBER: P416254

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

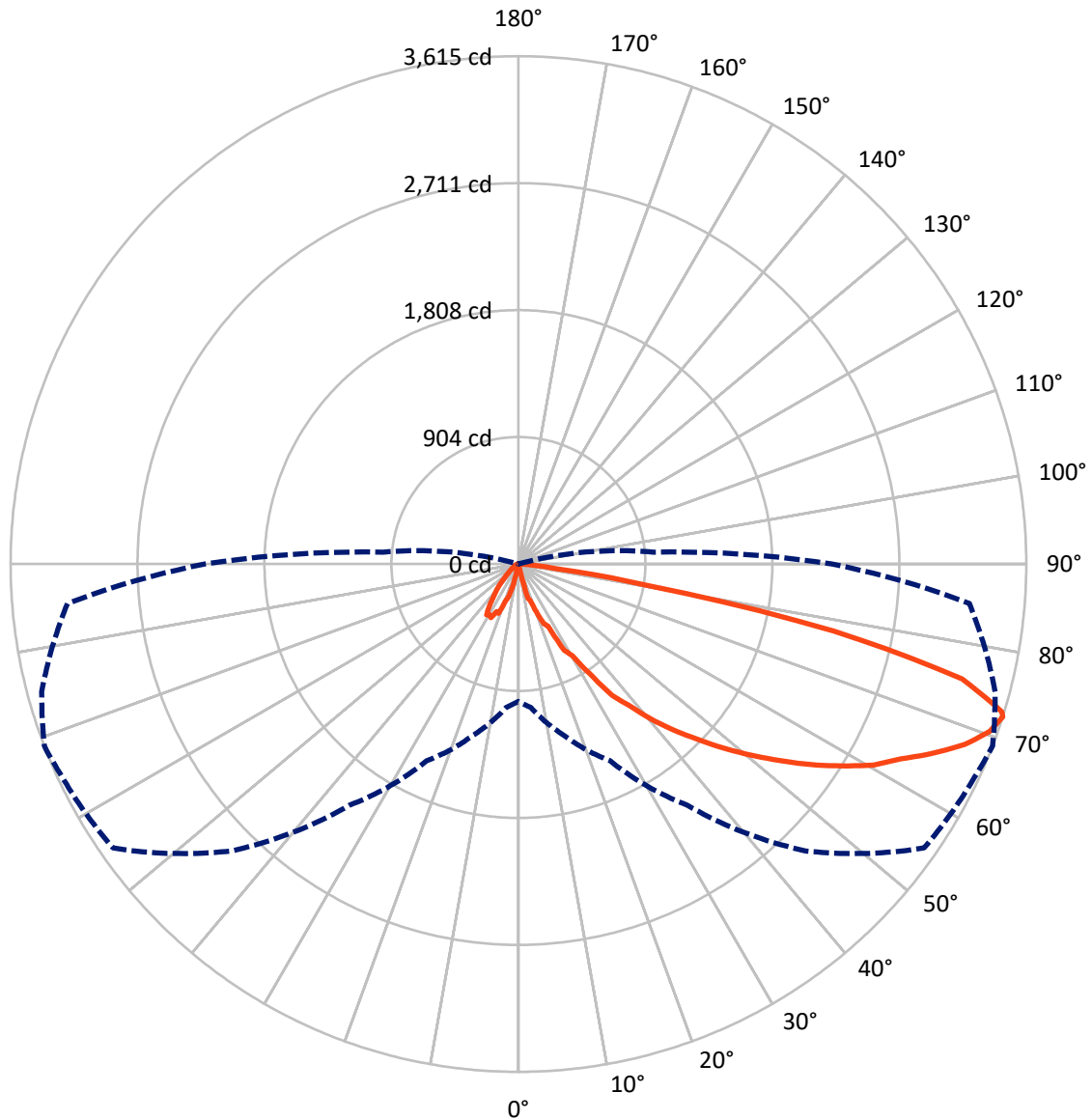


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416254

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P416254

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-HSS

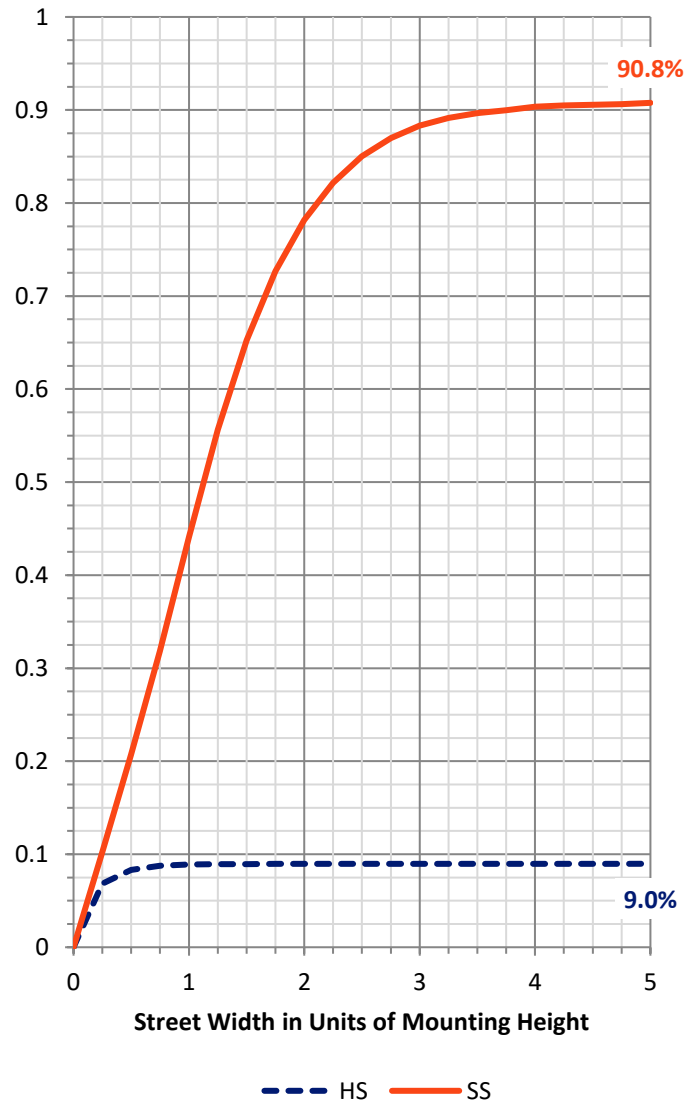
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	488.2	0.0	488.2
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	4895.8	0.0	4895.8
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	5384.0	0.0	5384.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	46.8	0.9
20°-30°	167.7	3.1
30°-40°	428.3	8.0
40°-50°	847.5	15.7
50°-60°	1335.5	24.8
60°-70°	1553.4	28.9
70°-80°	943.0	17.5
80°-90°	58.4	1.1
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°	5384.0	100.0
0°-180°	5384.0	100.0



REPORT NUMBER: P416254

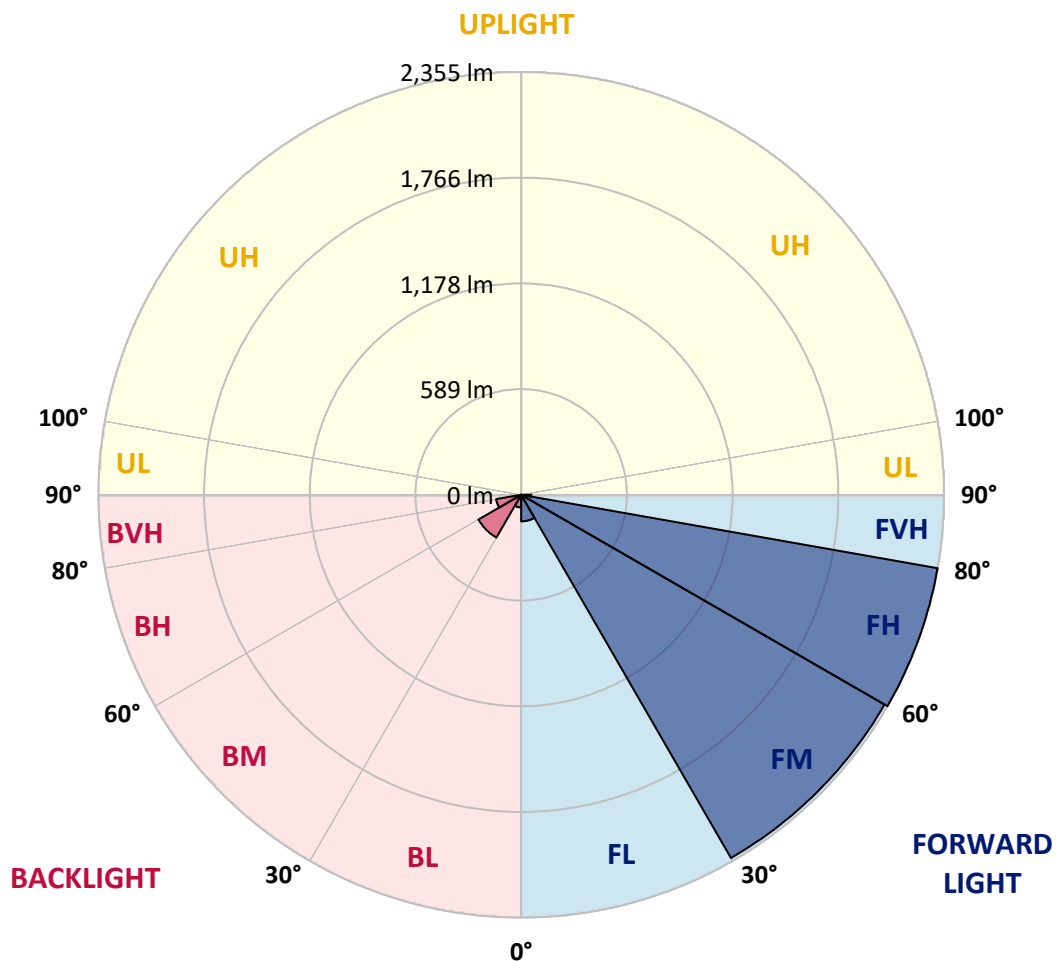
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.8	2.7			
FM	(30°-60°)	2336.5	43.4			
FH	(60°-80°)	2355.1	43.7			G2/5000
FVH	(80°-90°)	56.3	1.0			G1/100
BL	(0°-30°)	70.1	1.3	B0/110		
BM	(30°-60°)	274.8	5.1	B1/1000		
BH	(60°-80°)	141.3	2.6	B1/500		G1/500
BVH	(80°-90°)	2.0	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: P416254

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.8	0.8	0.8	0.8	1.5	1.5	2.3	2.3	2.3	2.3	2.3
5°	75.0	49.0	36.7	30.6	15.3	3.8	2.3	2.3	2.3	2.3	2.3
7.5°	115.5	115.5	116.3	117.1	119.4	100.2	21.4	2.3	2.3	2.3	2.3
10°	111.7	110.9	110.9	112.5	115.5	118.6	121.6	16.1	3.8	2.3	2.3
12.5°	218.0	215.8	200.5	140.0	114.8	116.3	122.4	93.3	26.0	15.3	88.0
15°	215.8	215.0	216.5	220.3	221.9	123.9	181.3	246.4	251.7	169.8	205.8
17.5°	235.6	228.8	218.0	219.6	226.5	266.2	256.3	267.0	272.4	190.5	222.6
20°	325.9	325.2	326.7	256.3	239.5	337.4	296.9	290.0	360.4	377.2	418.5
22.5°	332.8	331.3	333.6	341.2	383.3	352.7	430.0	439.9	460.6	509.5	478.2
25°	465.9	465.9	382.5	356.5	436.9	398.6	532.5	500.4	489.7	547.0	615.1
27.5°	562.3	556.2	536.3	498.1	454.5	563.9	566.9	684.0	693.9	763.6	776.6
30°	712.3	703.9	651.1	621.2	563.9	592.9	661.8	813.3	758.2	814.1	870.7
32.5°	1054.3	1042.0	975.5	782.7	710.8	642.7	793.4	873.0	927.3	1078.8	1140.7
35°	1365.7	1286.1	1195.1	1048.2	861.5	835.5	856.1	1082.6	1146.9	1193.5	1256.3
37.5°	1679.4	1680.9	1589.8	1233.3	1088.7	964.8	1032.1	1209.6	1274.6	1343.5	1400.1
40°	1931.1	1892.8	1771.2	1509.5	1284.6	1160.6	1169.1	1333.5	1449.1	1535.5	1547.0
42.5°	2252.4	2236.3	2057.3	1762.0	1537.8	1416.9	1380.2	1461.3	1614.3	1671.7	1706.9
45°	2560.0	2536.3	2384.0	2049.7	1808.7	1673.2	1622.7	1623.5	1774.2	1835.4	1885.9
47.5°	2790.3	2752.0	2670.1	2314.4	2149.1	1953.3	1848.4	1808.7	1955.6	2035.1	2063.4
50°	3031.3	2968.5	2903.5	2613.5	2442.9	2273.1	2072.6	2028.2	2134.6	2223.3	2246.3
52.5°	3192.7	3101.7	3056.5	2827.0	2706.1	2598.2	2296.8	2247.1	2322.8	2427.6	2409.3
55°	3110.8	3082.5	3131.5	3011.4	2894.3	2775.0	2540.8	2500.3	2520.2	2608.2	2564.6
57.5°	2940.2	2948.6	3093.2	3116.2	3063.4	2950.9	2759.7	2752.8	2712.2	2784.1	2727.5
60°	2762.0	2793.3	2994.5	3109.3	3147.6	3110.1	2990.7	2940.2	2904.3	2954.8	2910.4
62.5°	2523.3	2529.4	2799.4	3048.1	3115.4	3234.0	3152.2	3127.7	3053.5	3128.4	3110.1
65°	2223.3	2231.0	2485.0	2837.7	3019.0	3257.7	3278.4	3304.4	3247.0	3267.7	3325.8
67.5°	1888.2	1902.8	2124.6	2465.1	2811.7	3211.1	3383.2	3432.9	3428.3	3422.2	3479.6
70°	1528.6	1538.6	1719.1	2017.5	2476.6	3082.5	3480.4	3543.9	3561.5	3518.6	3478.1
72°	977.8	1026.0	1264.7	1546.2	2096.3	2887.4	3524.0	3584.4	3615.0	3512.5	3221.8
72.5°	768.1	806.4	1168.3	1416.9	1966.3	2842.3	3515.6	3570.7	3599.0	3478.8	3113.1
75°	165.3	169.8	365.7	688.6	1240.2	2177.4	3224.1	3231.0	3261.6	3031.3	2131.5
77.5°	71.2	71.9	101.8	227.2	445.3	1113.2	2231.8	2295.3	2293.0	1961.7	1030.6
80°	49.7	51.3	60.4	104.1	211.9	322.1	1090.2	1097.1	944.1	701.6	257.1
82.5°	26.0	27.5	42.8	62.0	143.8	117.8	352.7	355.8	262.4	165.3	59.7
85°	4.6	6.9	20.7	37.5	55.9	47.4	77.3	97.2	84.2	65.8	25.2
87.5°	0.8	0.8	5.4	5.4	7.7	4.6	7.7	8.4	9.2	13.8	6.9
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: P416254

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.3	2.3	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.3	2.3	2.3	2.3	1.5	0.8	0.0	70.4	94.9	101.0	107.9
10°	2.3	3.1	2.3	2.3	1.5	96.4	118.6	120.1	121.6	121.6	120.9
12.5°	97.2	99.5	35.2	6.9	89.5	122.4	116.3	106.3	97.2	94.1	93.3
15°	208.1	208.9	189.0	163.0	173.7	115.5	91.0	103.3	104.8	101.0	101.0
17.5°	224.2	224.2	214.2	261.7	219.6	115.5	95.6	78.8	67.3	64.3	63.5
20°	443.7	388.7	314.5	265.5	179.0	129.3	67.3	57.4	55.9	55.9	58.1
22.5°	478.9	472.1	409.3	358.1	153.8	91.0	65.8	65.8	78.0	76.5	75.7
25°	625.1	615.9	463.6	311.4	153.8	78.0	83.4	73.4	71.9	70.4	68.9
27.5°	790.3	771.2	651.9	281.6	108.6	81.9	79.6	69.6	82.6	82.6	81.9
30°	899.7	827.8	656.4	252.5	91.8	87.2	75.0	81.1	73.4	68.9	68.9
32.5°	1166.0	1133.1	802.6	178.3	87.2	78.8	78.8	69.6	62.0	64.3	63.5
35°	1250.1	1207.3	714.6	133.9	80.3	72.7	65.8	61.2	52.8	47.4	46.7
37.5°	1354.2	1298.4	599.8	103.3	78.8	64.3	54.3	46.7	40.5	40.5	39.8
40°	1482.0	1397.0	490.4	88.0	69.6	55.1	42.1	36.0	32.1	29.8	29.1
42.5°	1622.0	1490.4	377.2	79.6	60.4	45.1	31.4	26.0	23.7	23.0	23.0
45°	1769.6	1576.8	270.8	72.7	52.8	35.2	23.0	18.4	17.6	17.6	17.6
47.5°	1920.4	1639.6	184.4	65.8	44.4	26.0	16.8	13.8	13.8	13.0	13.0
50°	2068.0	1682.4	127.0	58.9	36.0	18.4	12.2	11.5	11.5	10.7	10.7
52.5°	2175.1	1672.5	94.9	51.3	28.3	13.8	9.9	9.2	9.2	9.2	9.2
55°	2279.2	1650.3	78.0	43.6	21.4	9.9	7.7	6.9	6.9	6.9	6.9
57.5°	2386.3	1620.5	67.3	35.2	15.3	7.7	5.4	5.4	5.4	5.4	5.4
60°	2475.1	1562.3	58.1	28.3	10.7	5.4	4.6	3.8	3.8	3.8	3.8
62.5°	2573.7	1503.4	49.7	21.4	7.7	3.8	3.1	2.3	2.3	1.5	2.3
65°	2644.1	1431.5	40.5	15.3	5.4	3.1	2.3	1.5	0.8	0.0	0.8
67.5°	2642.6	1335.8	29.1	9.9	3.8	2.3	1.5	0.8	0.0	0.0	0.0
70°	2527.1	1198.9	19.9	6.9	3.1	1.5	1.5	0.8	0.0	0.0	0.0
72°	2230.2	967.1	15.3	6.1	3.1	1.5	1.5	0.8	0.0	0.0	0.0
72.5°	2126.2	887.5	13.8	5.4	3.1	1.5	1.5	0.8	0.0	0.0	0.0
75°	1350.4	369.5	10.7	4.6	3.1	1.5	1.5	0.8	0.8	0.8	0.0
77.5°	627.4	135.4	7.7	3.8	2.3	1.5	1.5	0.8	0.8	1.5	0.0
80°	137.0	39.8	5.4	3.8	2.3	1.5	1.5	1.5	1.5	2.3	0.0
82.5°	31.4	13.0	4.6	3.1	2.3	1.5	1.5	1.5	1.5	2.3	0.0
85°	11.5	7.7	4.6	3.8	3.1	1.5	1.5	2.3	2.3	3.1	0.0
87.5°	4.6	4.6	3.8	3.8	3.1	1.5	2.3	2.3	3.1	3.1	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)