

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: P416331

Luminaire Tested: **LXF.LXT-PA1-70-740-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-740-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7047 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - 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

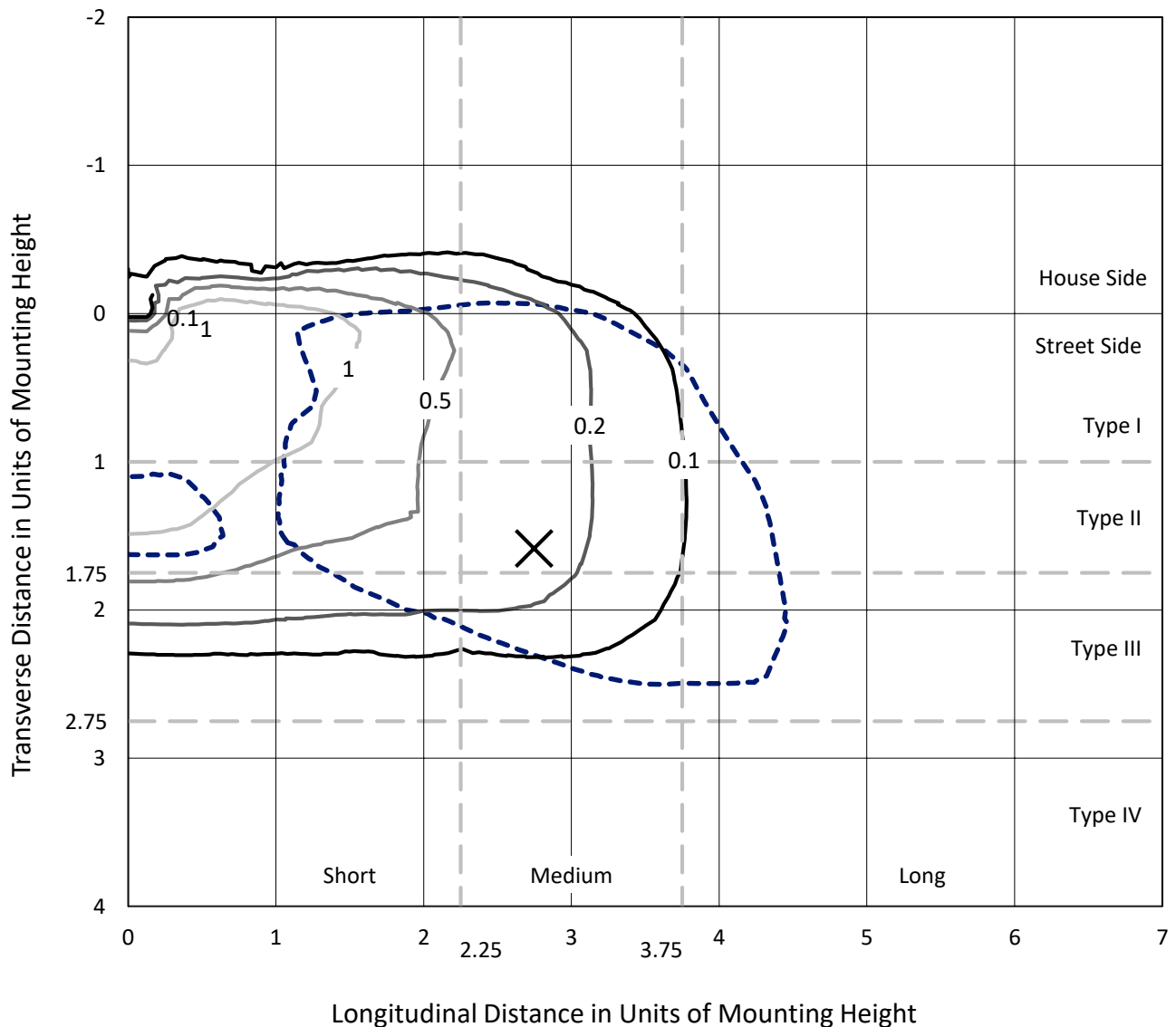


REPORT NUMBER: P416331

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

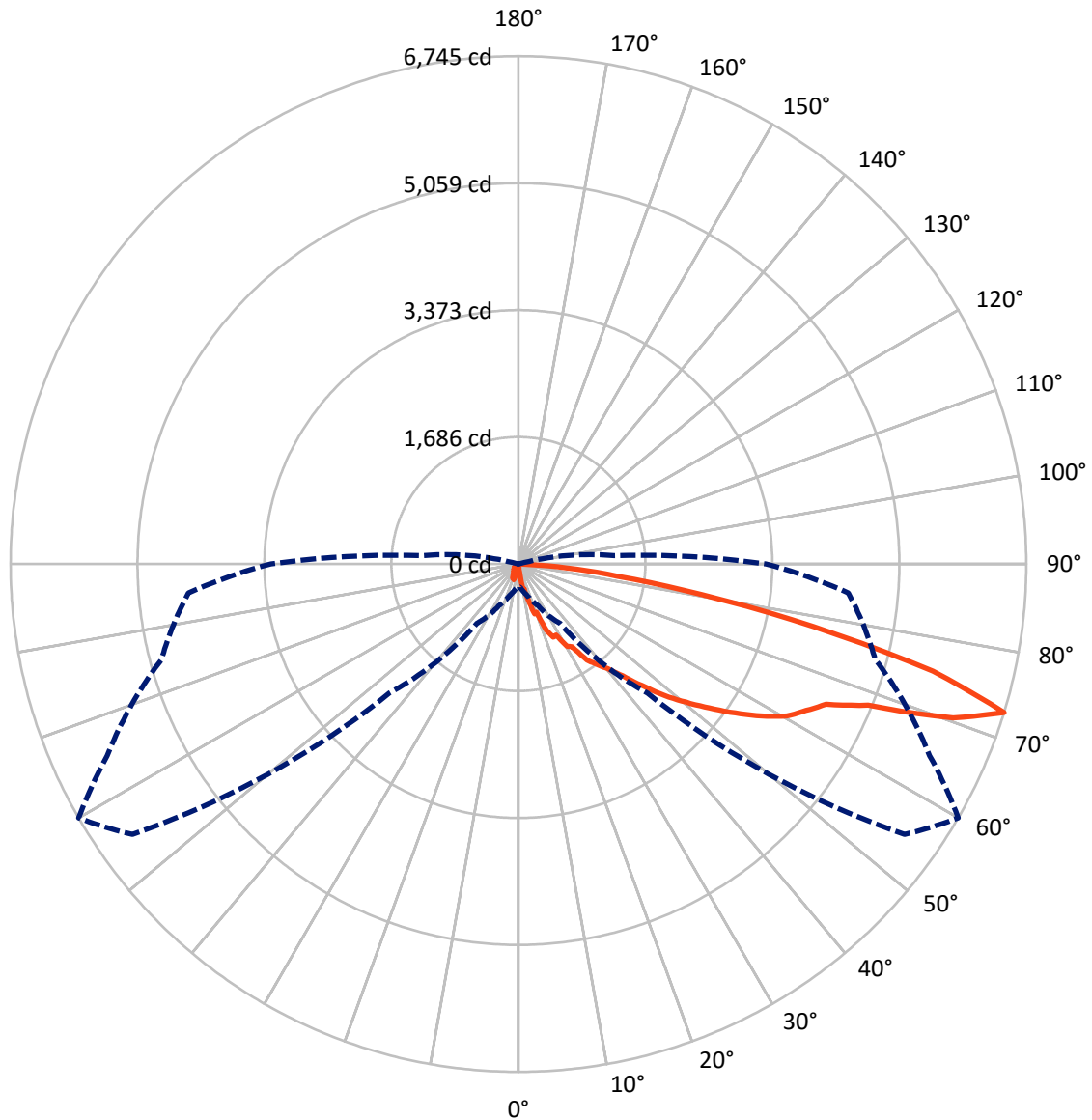
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P416331  
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P416331

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-HSS

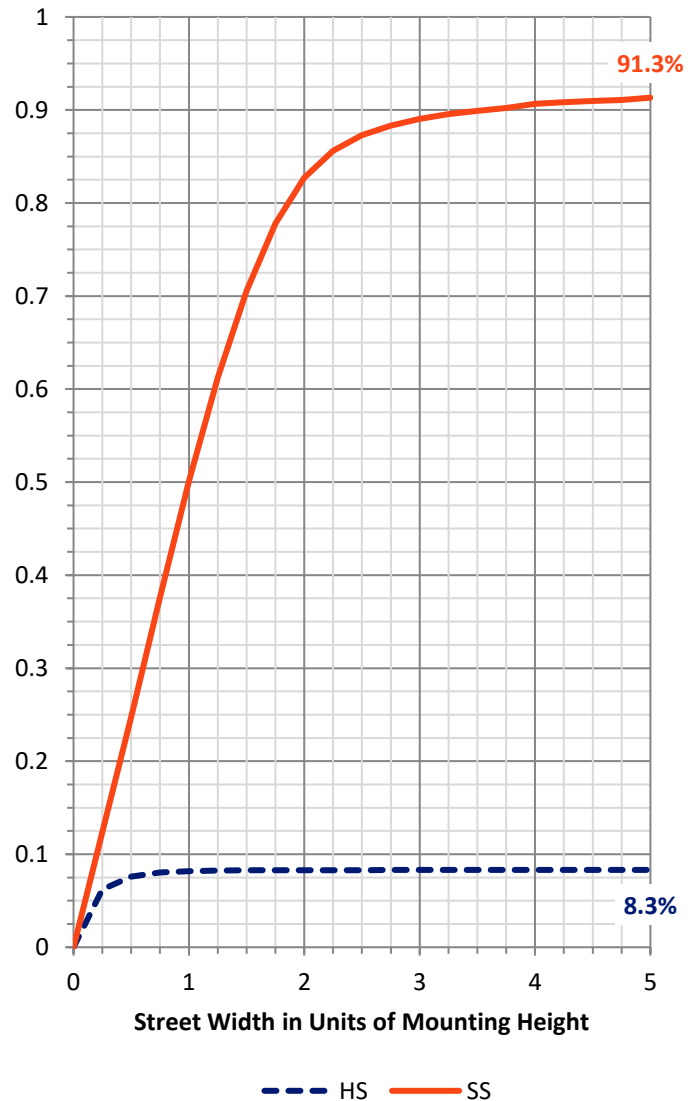
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	591.0	0.0	591.0
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	6455.9	0.0	6455.9
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	7047.0	0.0	7047.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.4	0.1
10°-20°	98.2	1.4
20°-30°	306.9	4.4
30°-40°	661.7	9.4
40°-50°	1125.1	16.0
50°-60°	1663.3	23.6
60°-70°	1809.3	25.7
70°-80°	1233.1	17.5
80°-90°	139.9	2.0
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°	7047.0	100.0
0°-180°	7047.0	100.0



REPORT NUMBER: P416331

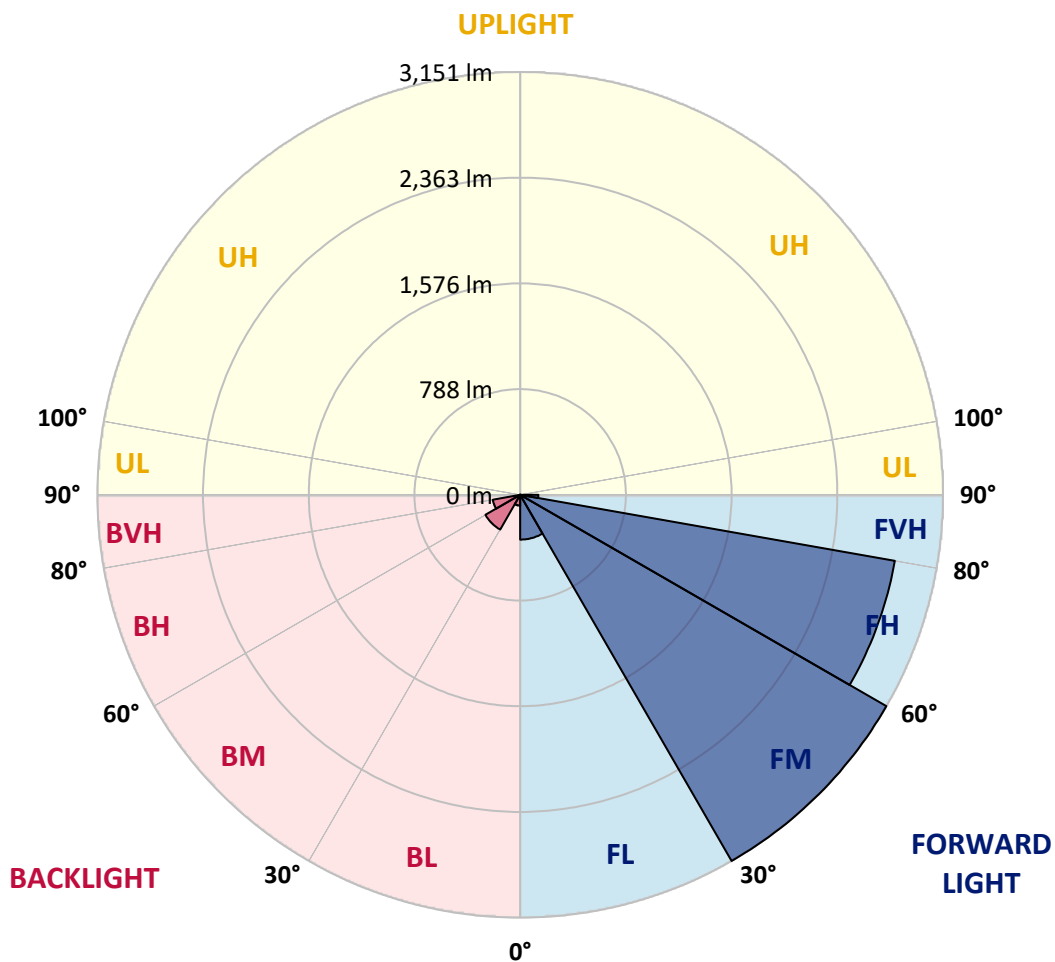
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.8	4.7			
FM	(30°-60°)	3151.3	44.7			
FH	(60°-80°)	2835.3	40.2			G2/5000
FVH	(80°-90°)	135.6	1.9			G2/225
BL	(0°-30°)	80.8	1.1	B0/110		
BM	(30°-60°)	298.9	4.2	B1/1000		
BH	(60°-80°)	207.1	2.9	B1/500		G1/500
BVH	(80°-90°)	4.2	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-G2**

Type III Medium





REPORT NUMBER: P416331

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	6.4	4.6	4.6	3.7	2.7	2.7	2.7	3.7	3.7	2.7	3.7
5°	360.5	355.9	355.9	357.7	232.4	39.3	22.0	9.1	3.7	3.7	3.7
7.5°	342.2	338.5	340.3	344.9	347.7	352.2	352.2	108.0	34.8	3.7	3.7
10°	350.4	347.7	333.0	330.3	335.8	340.3	342.2	350.4	340.3	10.1	3.7
12.5°	616.6	612.1	612.1	620.3	360.5	329.4	333.0	341.2	294.6	38.4	21.0
15°	590.1	586.4	587.4	597.4	611.1	433.7	342.2	506.8	650.5	587.4	466.6
17.5°	823.4	709.0	613.0	583.7	586.4	605.6	663.3	697.1	661.5	668.8	508.7
20°	840.8	834.4	830.7	837.1	600.2	798.7	843.5	684.3	666.0	716.3	938.7
22.5°	870.0	855.4	826.1	822.5	924.0	786.8	817.0	957.0	982.6	1049.4	977.1
25°	1178.4	1167.4	1137.2	865.5	947.8	903.9	1030.2	1076.8	1061.3	1105.2	1059.4
27.5°	1294.5	1273.5	1208.6	1123.5	1006.4	1065.8	1042.0	1067.7	1172.0	1522.4	1494.0
30°	1814.2	1758.4	1579.1	1293.6	1196.7	1109.7	1212.2	1266.2	1354.0	1558.0	1531.5
32.5°	1971.6	1912.1	1782.2	1646.8	1418.1	1258.0	1333.9	1310.1	1373.2	1901.1	2010.9
35°	2429.9	2402.5	2168.3	1792.2	1733.7	1483.9	1400.7	1564.4	1657.8	1927.6	2113.4
37.5°	2435.4	2437.2	2423.5	2169.2	1901.1	1667.8	1683.4	1689.8	1762.1	2053.9	2232.3
40°	2513.2	2526.0	2559.8	2367.7	2141.7	1934.0	1892.9	1828.8	1892.9	2195.7	2395.1
42.5°	2676.0	2685.2	2760.2	2559.8	2332.0	2141.7	2162.8	2031.9	2078.6	2463.8	2616.5
45°	2962.4	2956.9	3051.1	2762.0	2509.5	2378.7	2402.5	2301.8	2273.5	2683.3	2876.4
47.5°	3286.2	3306.4	3302.7	2985.2	2686.1	2599.2	2667.8	2613.8	2502.2	2963.3	3179.2
50°	3592.7	3586.3	3491.2	3111.5	2843.4	2815.1	2973.3	2884.6	2783.1	3247.8	3471.0
52.5°	3704.3	3709.8	3596.4	3187.4	2977.9	3029.2	3266.1	3176.4	3044.7	3450.9	3761.1
55°	3684.2	3691.5	3627.5	3265.2	3078.6	3229.5	3569.8	3493.0	3344.8	3671.4	3978.8
57.5°	3495.7	3495.7	3547.9	3313.7	3176.4	3408.8	3840.6	3809.5	3626.6	3854.4	4108.7
60°	3014.5	3065.7	3229.5	3255.1	3291.7	3602.8	4108.7	4098.6	3876.3	4025.5	4185.6
62.5°	2318.3	2334.8	2697.1	2971.5	3300.9	3863.5	4334.7	4286.2	4061.1	4077.6	4239.5
65°	1314.7	1389.7	1724.5	2418.0	3113.3	4136.2	4697.9	4490.2	4223.1	4139.8	4438.1
67.5°	708.1	735.6	922.2	1463.8	2551.6	4166.3	5521.3	5008.0	4607.3	4467.3	4826.9
70°	457.4	486.7	587.4	804.2	1600.1	3684.2	6296.2	6123.3	5400.5	4915.6	4886.4
72.5°	297.3	314.7	423.6	605.6	962.4	2427.2	6260.5	6745.4	6027.2	4907.4	4398.7
75°	120.8	132.7	212.3	504.1	813.3	1189.3	4803.1	5687.8	5658.5	4361.2	3404.3
77.5°	60.4	64.0	94.2	272.6	721.8	823.4	3039.2	4011.7	4028.2	3179.2	1892.9
80°	39.3	38.4	54.0	128.1	492.2	749.3	1699.8	2464.7	2304.6	1205.8	530.6
82.5°	15.6	16.5	29.3	73.2	205.8	677.9	969.8	1326.6	1037.5	235.1	152.8
85°	2.7	2.7	9.1	39.3	65.0	310.1	625.8	642.2	426.3	74.1	76.8
87.5°	0.9	0.9	1.8	2.7	4.6	7.3	27.4	12.8	8.2	12.8	14.6
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: P416331

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.7	3.7	3.7	2.7	2.7	1.8	0.0	0.0	0.9	0.9	0.9
5°	3.7	3.7	3.7	2.7	2.7	0.9	0.0	0.0	0.9	0.9	0.9
7.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
10°	3.7	3.7	3.7	2.7	1.8	0.9	26.5	169.3	174.7	175.7	173.8
12.5°	22.9	23.8	12.8	2.7	1.8	157.4	156.4	130.8	114.4	108.0	99.7
15°	496.8	472.1	390.7	230.5	127.2	129.0	95.1	70.4	56.7	53.1	51.2
17.5°	492.2	456.5	359.5	210.4	221.4	97.0	51.2	56.7	74.1	75.0	75.0
20°	924.9	811.5	351.3	235.1	149.1	84.2	66.8	70.4	70.4	71.4	70.4
22.5°	964.3	850.8	526.1	300.1	107.0	88.7	75.9	65.9	67.7	87.8	85.1
25°	972.5	834.4	487.6	235.1	103.4	88.7	83.3	80.5	90.6	90.6	91.5
27.5°	1401.6	1172.9	591.0	176.6	102.5	92.4	92.4	84.2	81.4	80.5	81.4
30°	1398.8	1132.6	504.1	149.1	98.8	91.5	83.3	75.0	90.6	91.5	91.5
32.5°	1836.2	1448.2	487.6	120.8	98.8	84.2	73.2	77.8	72.3	72.3	72.3
35°	1861.8	1411.7	384.2	125.3	87.8	76.8	71.4	60.4	64.0	65.0	63.1
37.5°	1911.2	1386.0	291.8	113.4	87.8	71.4	58.6	54.0	50.3	49.4	49.4
40°	1999.9	1387.9	225.1	104.3	82.3	65.0	52.1	43.9	45.7	45.7	44.8
42.5°	2132.6	1414.4	176.6	96.1	74.1	57.6	43.9	39.3	36.6	36.6	35.7
45°	2308.2	1471.1	144.6	89.7	67.7	49.4	35.7	32.0	29.3	29.3	28.4
47.5°	2526.0	1550.7	126.3	83.3	60.4	41.2	29.3	25.6	23.8	22.9	22.9
50°	2758.4	1645.9	116.2	77.8	52.1	32.9	23.8	20.1	18.3	18.3	17.4
52.5°	2999.0	1754.7	108.0	74.1	44.8	27.4	18.3	14.6	13.7	12.8	13.7
55°	3193.8	1820.6	102.5	73.2	37.5	22.0	13.7	11.0	10.1	9.1	9.1
57.5°	3321.9	1856.3	95.1	67.7	30.2	16.5	10.1	7.3	6.4	6.4	6.4
60°	3422.6	1876.4	86.0	54.0	23.8	11.9	6.4	4.6	4.6	4.6	4.6
62.5°	3502.1	1890.1	72.3	42.1	18.3	8.2	4.6	2.7	2.7	2.7	2.7
65°	3738.2	1970.6	55.8	32.0	13.7	5.5	2.7	1.8	0.9	1.8	1.8
67.5°	4025.5	2004.5	41.2	22.9	10.1	3.7	1.8	0.9	0.9	0.9	1.8
70°	3912.0	1746.5	30.2	16.5	7.3	2.7	1.8	0.9	0.9	0.9	1.8
72.5°	3287.1	1276.3	22.0	11.9	5.5	2.7	1.8	0.9	0.9	1.8	1.8
75°	2364.0	720.0	17.4	8.2	4.6	2.7	1.8	1.8	1.8	2.7	2.7
77.5°	1112.5	268.1	17.4	7.3	4.6	2.7	1.8	1.8	2.7	3.7	1.8
80°	269.9	66.8	17.4	6.4	4.6	2.7	2.7	2.7	3.7	3.7	1.8
82.5°	90.6	28.4	12.8	5.5	4.6	2.7	2.7	3.7	3.7	4.6	2.7
85°	54.9	18.3	9.1	6.4	5.5	2.7	3.7	3.7	4.6	5.5	2.7
87.5°	9.1	7.3	6.4	6.4	5.5	3.7	3.7	4.6	4.6	5.5	3.7
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)