

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: P414046

Luminaire Tested: **LXF.LXT-PA1-100-830-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-830-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7979 lumens  
Efficiency: N/A  
Efficacy: 83.1 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 - G3

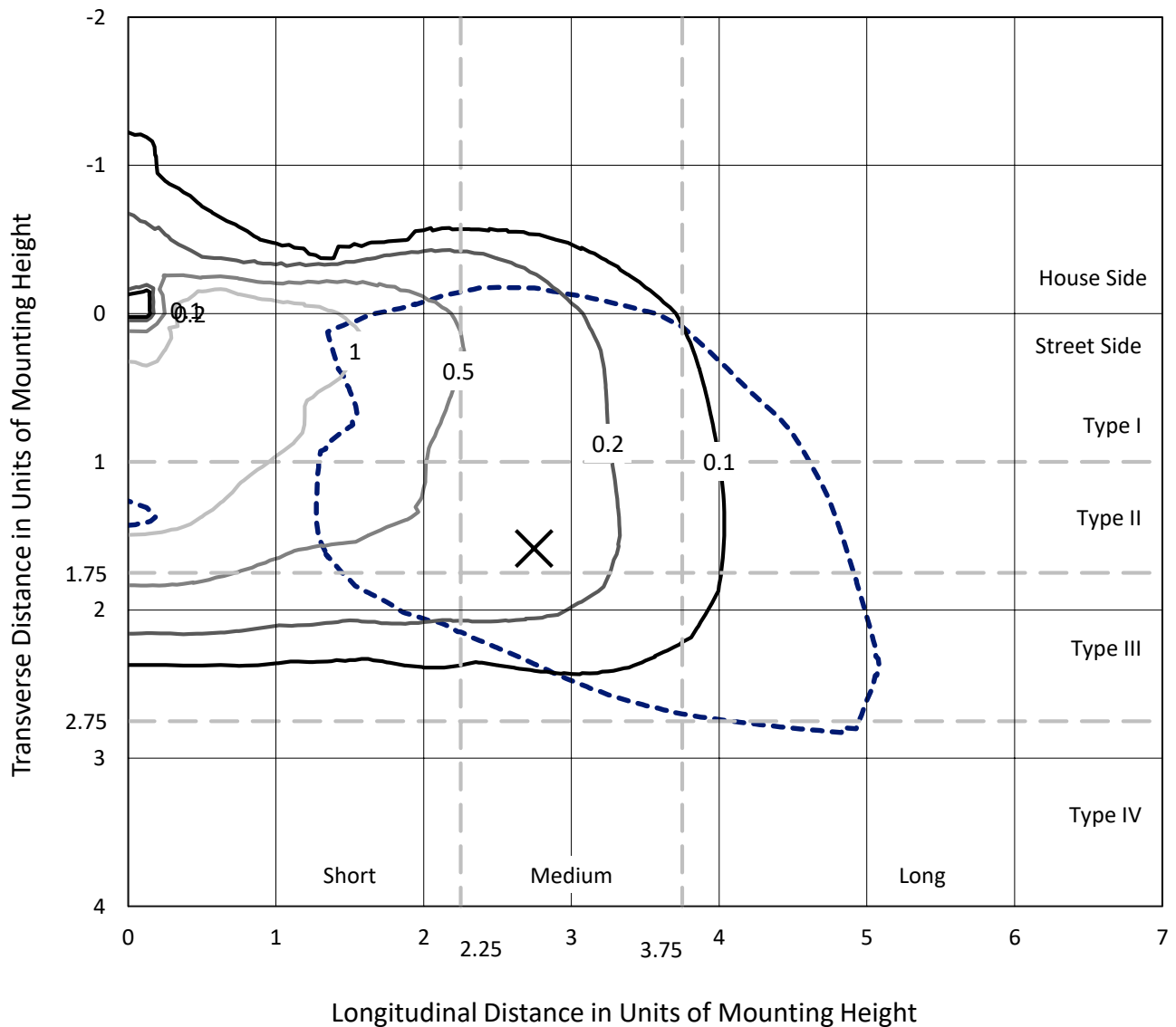
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

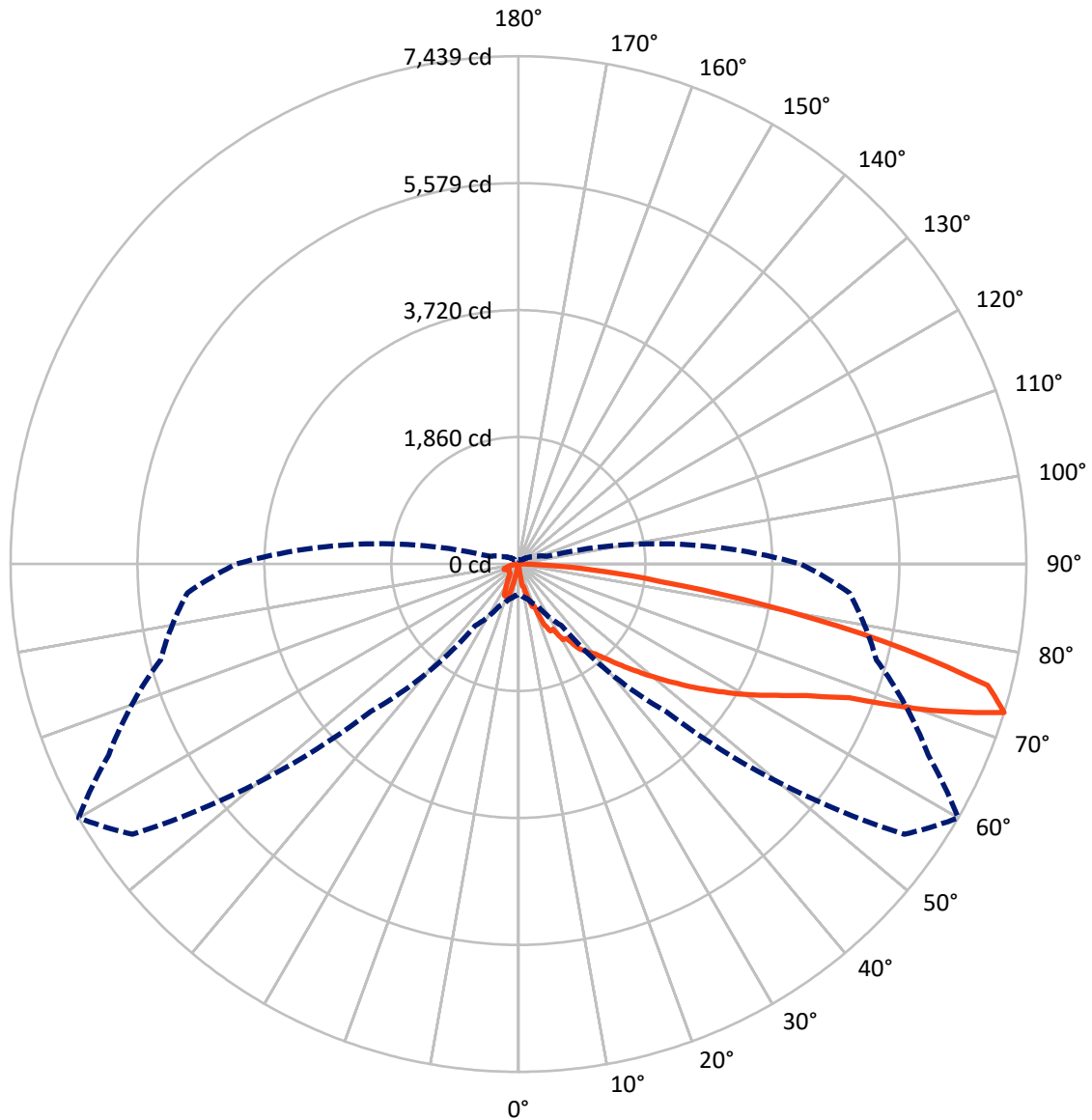
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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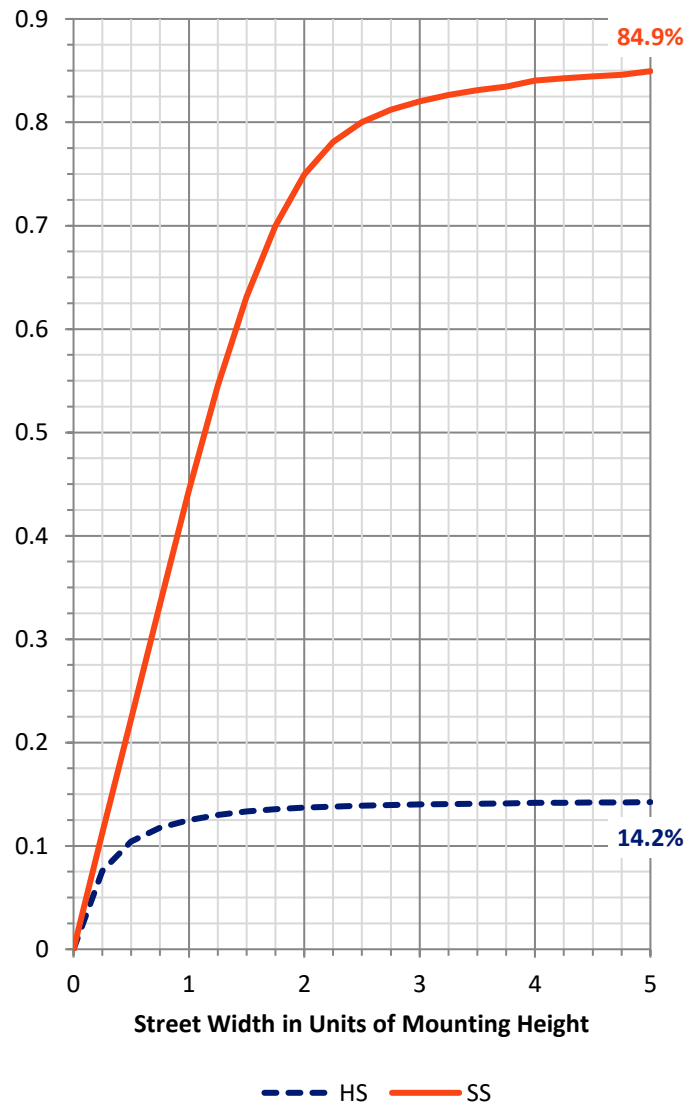
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1149.1	0.0	1149.1
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	6829.9	0.0	6829.9
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	7979.0	0.0	7979.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	116.4	1.5
20°-30°	350.3	4.4
30°-40°	692.8	8.7
40°-50°	1147.6	14.4
50°-60°	1714.4	21.5
60°-70°	2039.4	25.6
70°-80°	1632.6	20.5
80°-90°	277.1	3.5
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°	7979.0	100.0
0°-180°	7979.0	100.0

**Coefficient of Utilization**



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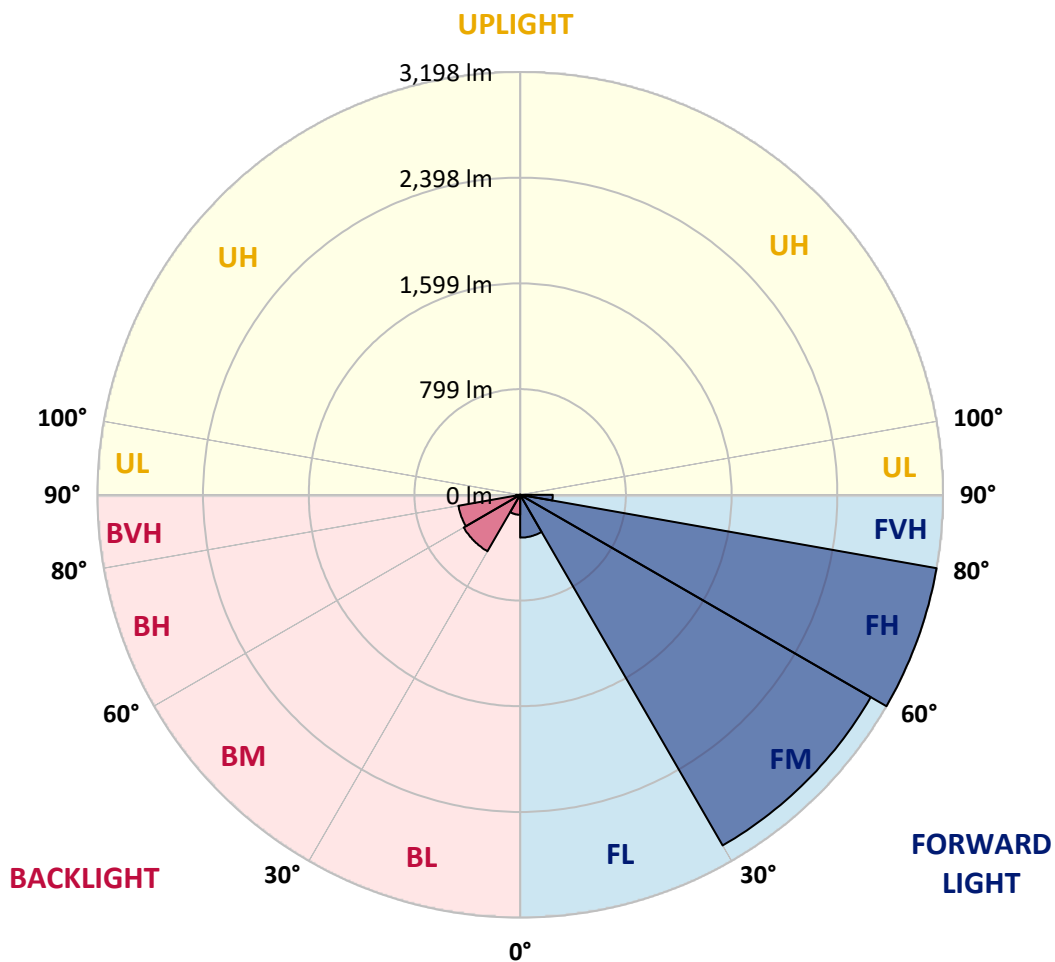
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.8	4.1			
FM	(30°-60°)	3061.8	38.4			
FH	(60°-80°)	3197.7	40.1			G2/5000
FVH	(80°-90°)	246.5	3.1			G3/500
BL	(0°-30°)	151.2	1.9	B1/500		
BM	(30°-60°)	493.0	6.2	B1/1000		
BH	(60°-80°)	474.3	5.9	B1/500		G1/500
BVH	(80°-90°)	30.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	4.3	4.3	5.2	6.1	6.1	5.2	4.3	4.3	4.3	3.5	4.3
5°	298.2	150.4	100.8	47.8	35.6	17.4	7.0	5.2	5.2	4.3	4.3
7.5°	342.5	342.5	343.4	346.8	349.4	351.2	43.5	22.6	8.7	4.3	4.3
10°	330.3	327.7	329.4	332.9	336.4	341.6	347.7	330.3	39.1	7.0	5.2
12.5°	610.2	608.5	587.6	358.1	332.1	332.1	340.7	341.6	268.6	26.1	25.2
15°	588.5	587.6	590.2	596.3	605.9	343.4	348.6	507.6	661.5	465.9	541.5
17.5°	605.0	598.0	582.4	578.9	587.6	552.0	649.3	657.1	671.9	535.5	548.5
20°	830.1	827.5	827.5	697.1	574.6	803.2	762.3	658.0	675.4	774.5	970.1
22.5°	827.5	823.2	817.1	816.2	936.2	781.5	793.6	951.8	990.1	1135.2	1096.1
25°	1124.8	1113.5	943.1	822.3	930.1	875.3	1060.5	1088.3	1006.6	1177.8	1121.3
27.5°	1221.3	1199.6	1145.7	1050.0	937.0	1064.0	1058.7	1081.3	1110.0	1609.8	1541.2
30°	1658.5	1555.9	1267.4	1219.5	1120.5	1077.0	1206.5	1285.6	1402.1	1576.8	1605.5
32.5°	1855.8	1818.5	1677.6	1501.2	1309.1	1163.0	1319.5	1299.5	1412.5	1916.7	2058.4
35°	2281.8	2235.7	1849.8	1690.7	1522.0	1425.6	1356.9	1517.7	1656.8	1993.2	2097.5
37.5°	2365.2	2354.8	2265.3	1980.1	1754.1	1567.2	1588.1	1631.6	1722.0	2100.1	2207.9
40°	2430.4	2431.3	2457.4	2211.4	1968.0	1795.0	1732.4	1733.3	1810.6	2275.7	2349.6
42.5°	2602.5	2609.5	2679.9	2417.4	2227.0	2061.0	1952.3	1904.5	1963.6	2477.3	2523.4
45°	2912.8	2897.2	2957.2	2629.5	2421.7	2279.2	2192.2	2119.2	2150.5	2692.0	2745.1
47.5°	3303.1	3270.1	3250.1	2893.7	2633.8	2511.2	2430.4	2353.9	2363.5	2897.2	2998.9
50°	3604.8	3588.2	3484.8	3093.6	2816.4	2745.1	2711.2	2616.4	2575.6	3125.8	3289.2
52.5°	3733.4	3717.8	3590.0	3244.9	2960.6	2968.5	3027.6	2904.1	2789.4	3373.5	3565.6
55°	3710.8	3697.8	3613.4	3319.6	3065.0	3184.0	3338.8	3215.3	3066.7	3607.4	3847.3
57.5°	3543.9	3550.0	3549.1	3324.9	3144.9	3386.6	3643.0	3537.0	3360.5	3839.5	4075.9
60°	3175.3	3207.5	3327.5	3287.5	3246.6	3577.8	3938.5	3889.0	3702.1	4094.1	4287.1
62.5°	2543.4	2606.9	2869.4	3083.2	3328.3	3845.5	4227.1	4233.2	4055.9	4291.5	4450.5
65°	1715.9	1710.7	2101.8	2632.1	3231.9	4266.3	4658.3	4646.1	4383.6	4516.6	4691.3
67.5°	953.6	974.4	1230.8	1742.0	2860.7	4527.0	5485.8	5225.0	4835.6	4859.9	5029.4
70°	590.2	615.4	701.5	973.6	1831.5	4222.8	6548.9	6427.2	5670.9	5315.4	5165.9
72.5°	448.5	462.4	532.0	690.2	1102.2	3054.5	6901.8	7439.0	6623.6	5427.6	4868.6
75°	267.7	284.2	379.0	596.3	918.8	1581.2	5983.9	7098.2	6926.1	5356.3	4248.9
77.5°	166.9	171.2	204.3	416.4	846.6	995.3	4099.4	5498.0	5644.9	4536.6	3002.4
80°	127.8	128.6	140.8	221.7	684.1	942.3	2373.9	3671.7	3598.7	2422.6	1179.6
82.5°	80.8	86.1	109.5	135.6	325.1	918.8	1403.0	2090.5	1840.2	655.4	328.6
85°	40.9	46.1	77.4	93.0	157.3	995.3	995.3	1071.8	753.6	219.9	124.3
87.5°	7.0	7.0	10.4	24.3	31.3	168.6	278.2	242.5	159.9	29.6	24.3
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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	4.3	4.3	4.3	3.5	2.6	1.7	0.9	0.9	0.9	1.7	1.7
5°	4.3	4.3	4.3	3.5	2.6	1.7	0.9	0.9	1.7	2.6	2.6
7.5°	4.3	4.3	4.3	3.5	2.6	2.6	1.7	3.5	7.8	101.7	68.7
10°	5.2	5.2	5.2	4.3	3.5	9.6	297.3	313.8	314.7	312.9	309.5
12.5°	27.8	30.4	22.6	7.8	32.2	298.2	286.0	272.1	266.9	260.8	260.8
15°	549.4	542.4	512.0	377.3	231.2	266.0	239.0	220.8	342.5	338.1	341.6
17.5°	551.1	538.9	495.5	539.8	500.7	239.0	271.2	294.7	278.2	272.1	274.7
20°	1045.7	989.2	502.4	503.3	429.4	424.2	230.3	217.3	219.9	225.1	226.9
22.5°	1064.8	999.6	771.0	651.9	368.6	339.9	235.6	188.6	279.0	310.3	313.8
25°	1073.5	991.8	728.4	577.2	416.4	254.7	227.7	206.9	254.7	286.0	287.7
27.5°	1517.7	1375.1	995.3	490.3	321.6	223.4	213.0	194.7	228.6	283.4	284.2
30°	1504.7	1336.9	922.3	474.6	248.6	206.0	184.3	203.4	215.6	230.3	230.3
32.5°	1956.7	1715.9	1023.1	382.5	208.6	171.2	173.8	185.1	186.0	219.9	222.5
35°	1957.5	1678.5	881.4	349.4	179.1	156.5	159.1	171.2	189.5	211.2	214.7
37.5°	1988.0	1662.0	759.7	272.1	179.1	156.5	151.2	163.4	176.5	206.9	210.4
40°	2052.3	1668.9	644.1	226.0	173.0	153.9	149.5	159.1	174.7	192.1	193.8
42.5°	2161.8	1708.1	534.6	204.3	168.6	153.9	143.4	150.4	159.1	194.7	198.2
45°	2335.7	1791.5	450.3	195.6	166.9	147.8	136.5	138.2	144.3	230.3	239.9
47.5°	2539.1	1907.1	377.3	191.2	164.3	141.7	126.0	127.8	141.7	261.6	274.7
50°	2773.8	2078.4	333.8	190.4	161.7	133.0	118.2	127.8	156.5	260.8	266.9
52.5°	3049.3	2252.2	310.3	193.8	159.9	125.2	122.6	143.4	148.6	209.5	209.5
55°	3297.0	2445.2	312.1	196.4	154.7	125.2	126.0	121.7	117.3	144.3	145.2
57.5°	3540.4	2637.3	340.7	191.2	146.9	126.0	108.7	100.0	101.7	122.6	125.2
60°	3751.7	2822.4	426.8	179.9	139.9	113.9	100.8	93.9	95.6	123.4	126.0
62.5°	3979.4	3048.4	591.1	184.3	139.1	107.8	93.9	86.1	89.5	102.6	104.3
65°	4287.1	3364.0	738.9	217.3	144.3	104.3	86.1	81.7	82.6	83.4	83.4
67.5°	4588.7	3558.7	712.8	256.4	161.7	102.6	81.7	76.5	75.6	75.6	75.6
70°	4559.2	3347.5	565.0	272.1	175.6	102.6	78.2	71.3	69.5	69.5	69.5
72.5°	4132.4	2863.3	433.8	252.1	161.7	98.2	73.0	65.2	62.6	62.6	62.6
75°	3516.1	2296.5	364.2	219.0	132.1	84.3	64.3	58.2	56.5	56.5	55.6
77.5°	2246.1	1357.8	309.5	178.2	101.7	68.7	55.6	50.4	50.4	50.4	47.8
80°	901.4	597.2	240.8	140.8	79.1	54.8	46.1	43.5	42.6	41.7	39.1
82.5°	342.5	294.7	156.5	102.6	60.8	41.7	37.4	34.8	34.8	33.9	29.6
85°	122.6	114.7	72.1	59.1	37.4	26.1	28.7	26.1	25.2	22.6	19.1
87.5°	26.1	28.7	20.0	13.0	13.0	7.8	9.6	10.4	10.4	9.6	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

(END OF REPORT)