

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: P414722

Luminaire Tested: **LXF.LXT-PA1-30-750-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414722  
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-PA1-30-750-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 375mA 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: 3888 lumens  
Efficiency: N/A  
Efficacy: 125.4 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): 31  
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

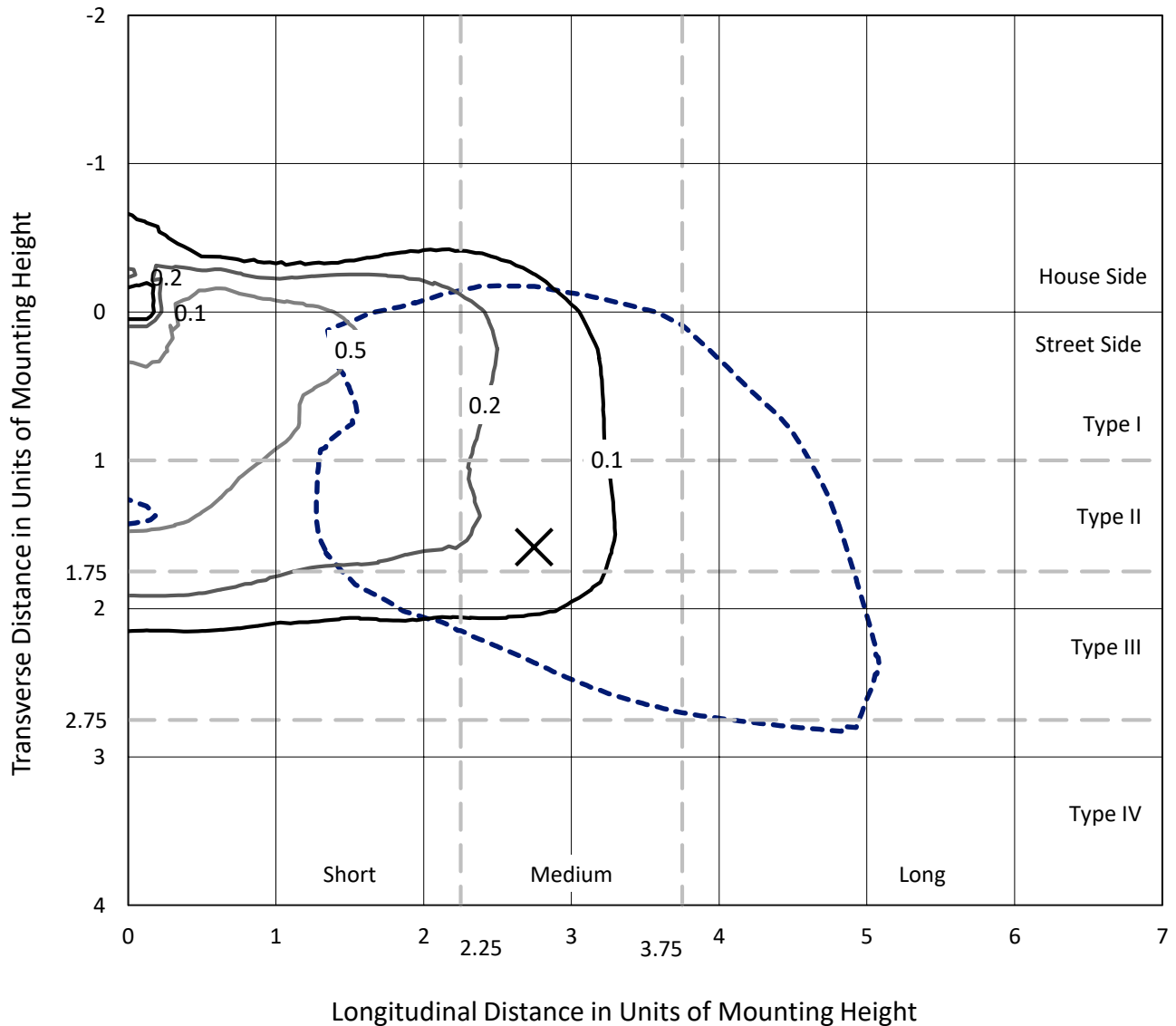


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### Iso-Footcandle Lines of Horizontal Illumination

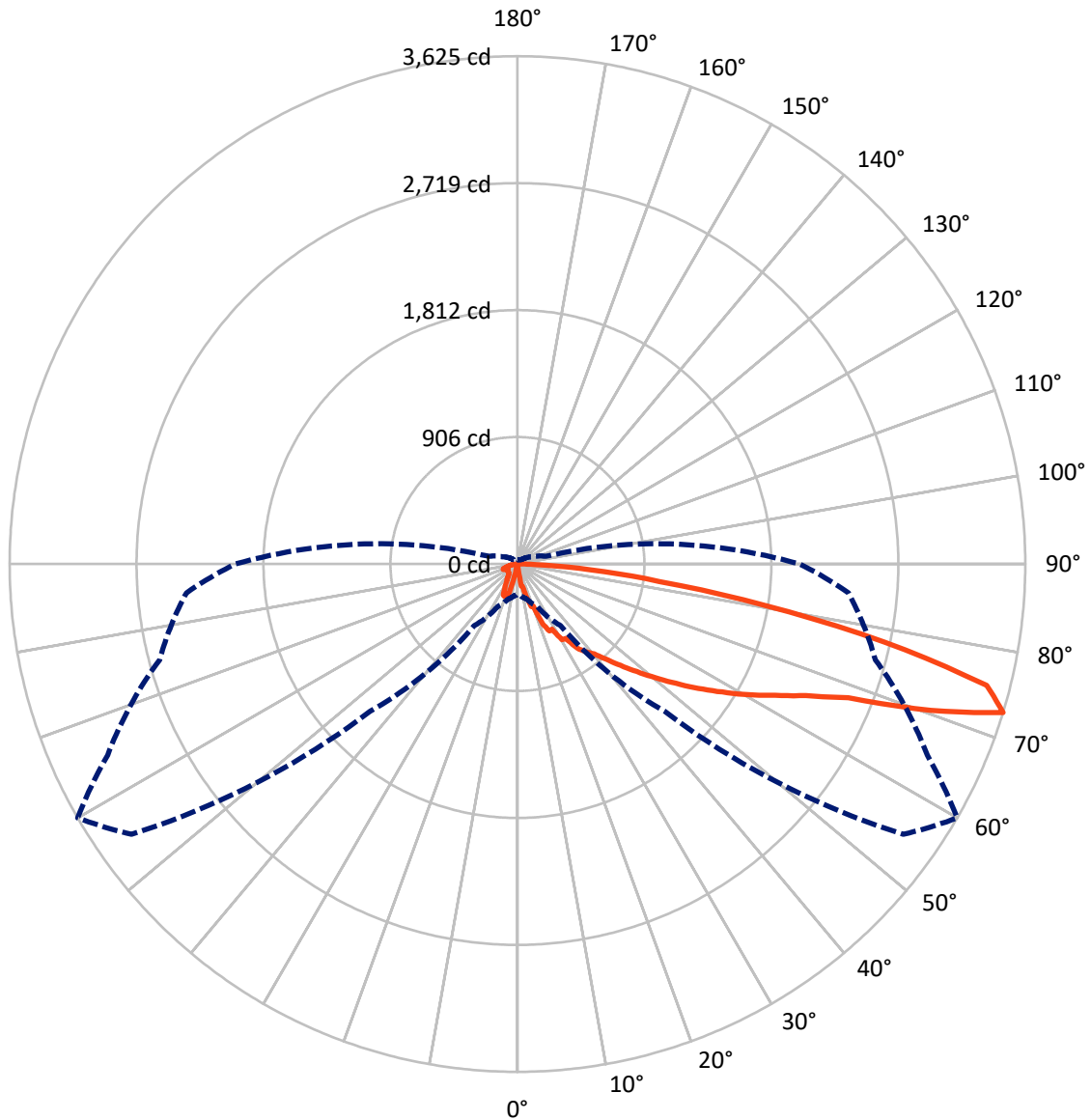
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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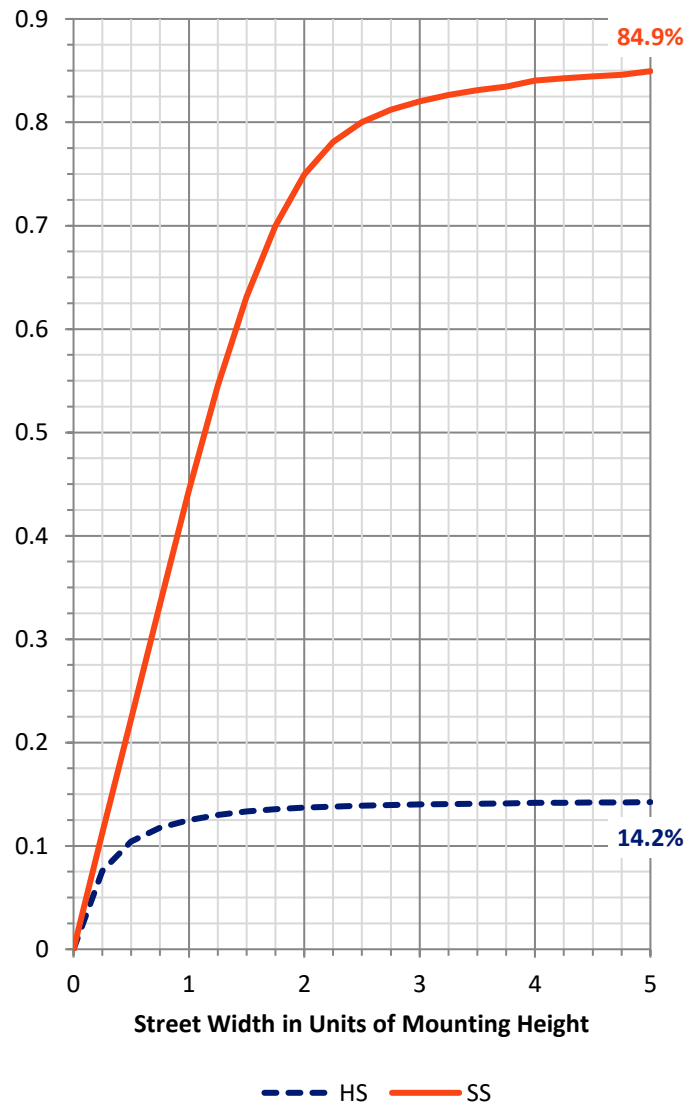
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	559.9	0.0	559.9
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	3328.1	0.0	3328.1
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	3888.0	0.0	3888.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	56.7	1.5
20°-30°	170.7	4.4
30°-40°	337.6	8.7
40°-50°	559.2	14.4
50°-60°	835.4	21.5
60°-70°	993.8	25.6
70°-80°	795.6	20.5
80°-90°	135.0	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°	3888.0	100.0
0°-180°	3888.0	100.0

**Coefficient of Utilization**



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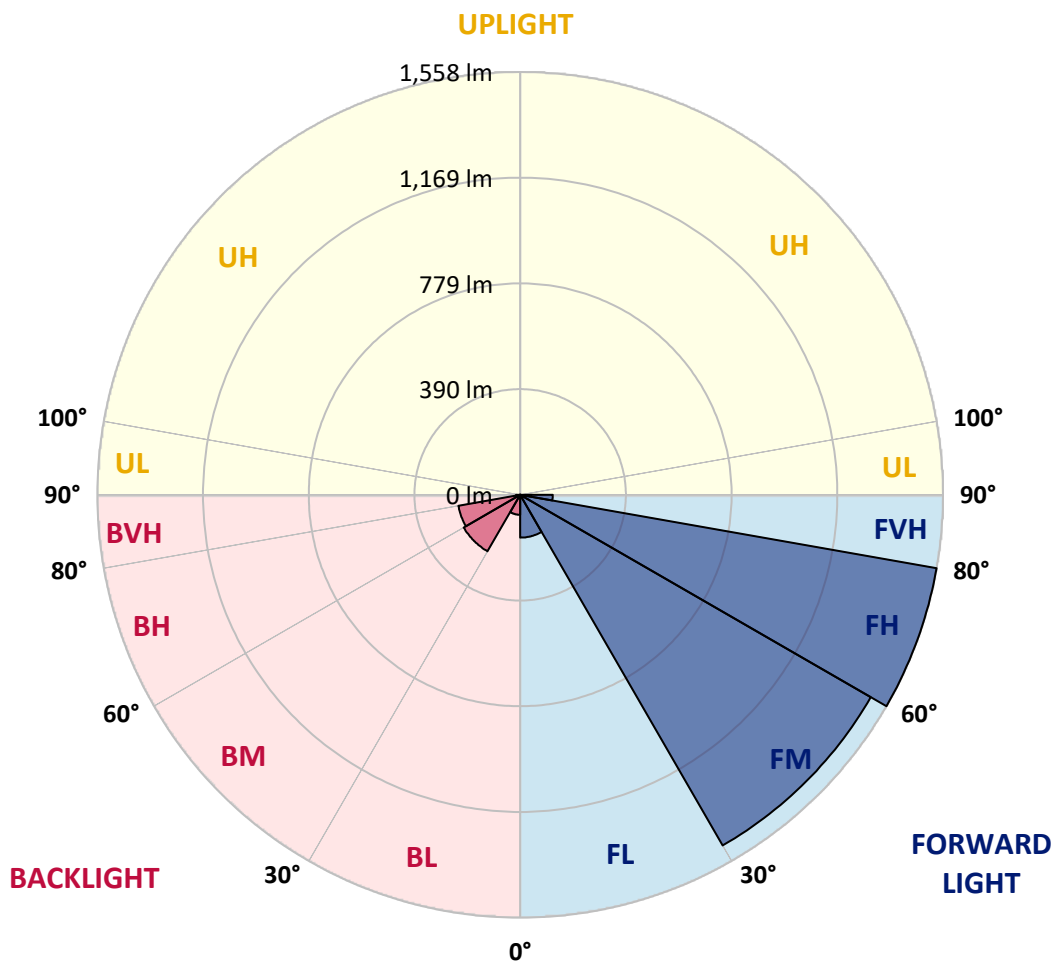
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.8	4.1			
FM	(30°-60°)	1492.0	38.4			
FH	(60°-80°)	1558.2	40.1			G1/1800
FVH	(80°-90°)	120.1	3.1			G2/225
BL	(0°-30°)	73.7	1.9	B0/110		
BM	(30°-60°)	240.2	6.2	B1/1000		
BH	(60°-80°)	231.1	5.9	B1/500		G1/500
BVH	(80°-90°)	14.9	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-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.1	2.1	2.5	3.0	3.0	2.5	2.1	2.1	2.1	1.7	2.1
5°	145.3	73.3	49.1	23.3	17.4	8.5	3.4	2.5	2.5	2.1	2.1
7.5°	166.9	166.9	167.3	169.0	170.3	171.1	21.2	11.0	4.2	2.1	2.1
10°	161.0	159.7	160.5	162.2	163.9	166.5	169.4	161.0	19.1	3.4	2.5
12.5°	297.3	296.5	286.3	174.5	161.8	161.8	166.0	166.5	130.9	12.7	12.3
15°	286.8	286.3	287.6	290.6	295.2	167.3	169.8	247.4	322.3	227.0	263.9
17.5°	294.8	291.4	283.8	282.1	286.3	269.0	316.4	320.2	327.4	260.9	267.3
20°	404.5	403.2	403.2	339.7	280.0	391.4	371.5	320.6	329.1	377.4	472.7
22.5°	403.2	401.1	398.2	397.7	456.2	380.8	386.7	463.8	482.4	553.2	534.1
25°	548.1	542.6	459.6	400.7	453.2	426.5	516.7	530.3	490.5	573.9	546.4
27.5°	595.1	584.5	558.3	511.7	456.6	518.4	515.9	526.9	540.9	784.4	751.0
30°	808.2	758.2	617.6	594.3	546.0	524.8	587.9	626.5	683.2	768.3	782.3
32.5°	904.3	886.1	817.5	731.5	637.9	566.7	643.0	633.2	688.3	934.0	1003.0
35°	1111.9	1089.4	901.3	823.8	741.7	694.6	661.2	739.5	807.3	971.2	1022.1
37.5°	1152.5	1147.4	1103.8	964.9	854.8	763.7	773.9	795.0	839.1	1023.3	1075.9
40°	1184.3	1184.7	1197.4	1077.5	959.0	874.7	844.2	844.6	882.3	1108.9	1144.9
42.5°	1268.2	1271.5	1305.8	1177.9	1085.2	1004.3	951.3	928.0	956.8	1207.2	1229.6
45°	1419.4	1411.7	1441.0	1281.3	1180.1	1110.6	1068.2	1032.7	1047.9	1311.8	1337.6
47.5°	1609.5	1593.4	1583.7	1410.0	1283.4	1223.7	1184.3	1147.0	1151.7	1411.7	1461.3
50°	1756.5	1748.5	1698.1	1507.5	1372.3	1337.6	1321.1	1274.9	1255.0	1523.1	1602.8
52.5°	1819.2	1811.6	1749.3	1581.2	1442.7	1446.5	1475.3	1415.1	1359.2	1643.9	1737.5
55°	1808.2	1801.8	1760.8	1617.6	1493.5	1551.5	1626.9	1566.8	1494.3	1757.8	1874.7
57.5°	1726.9	1729.8	1729.4	1620.1	1532.5	1650.2	1775.2	1723.5	1637.5	1870.9	1986.1
60°	1547.3	1563.0	1621.4	1601.9	1582.0	1743.4	1919.2	1895.0	1804.0	1995.0	2089.0
62.5°	1239.3	1270.3	1398.2	1502.4	1621.8	1873.8	2059.8	2062.8	1976.4	2091.1	2168.7
65°	836.1	833.6	1024.2	1282.6	1574.8	2078.9	2269.9	2264.0	2136.0	2200.8	2286.0
67.5°	464.7	474.8	599.8	848.8	1394.0	2205.9	2673.1	2546.0	2356.3	2368.1	2450.7
70°	287.6	299.9	341.8	474.4	892.5	2057.7	3191.1	3131.8	2763.3	2590.1	2517.2
72.5°	218.6	225.3	259.2	336.3	537.1	1488.4	3363.1	3624.9	3227.6	2644.7	2372.4
75°	130.5	138.5	184.7	290.6	447.7	770.5	2915.8	3458.8	3375.0	2610.0	2070.4
77.5°	81.3	83.4	99.5	202.9	412.6	485.0	1997.5	2679.0	2750.6	2210.6	1463.0
80°	62.3	62.7	68.6	108.0	333.3	459.1	1156.8	1789.1	1753.6	1180.5	574.8
82.5°	39.4	41.9	53.4	66.1	158.4	447.7	683.6	1018.7	896.7	319.4	160.1
85°	19.9	22.4	37.7	45.3	76.7	485.0	485.0	522.3	367.2	107.2	60.6
87.5°	3.4	3.4	5.1	11.9	15.2	82.2	135.5	118.2	77.9	14.4	11.9
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.1	2.1	2.1	1.7	1.3	0.8	0.4	0.4	0.4	0.8	0.8
5°	2.1	2.1	2.1	1.7	1.3	0.8	0.4	0.4	0.8	1.3	1.3
7.5°	2.1	2.1	2.1	1.7	1.3	1.3	0.8	1.7	3.8	49.6	33.5
10°	2.5	2.5	2.5	2.1	1.7	4.7	144.9	152.9	153.3	152.5	150.8
12.5°	13.6	14.8	11.0	3.8	15.7	145.3	139.4	132.6	130.0	127.1	127.1
15°	267.7	264.3	249.5	183.8	112.7	129.6	116.5	107.6	166.9	164.8	166.5
17.5°	268.5	262.6	241.4	263.0	244.0	116.5	132.2	143.6	135.5	132.6	133.8
20°	509.5	482.0	244.8	245.2	209.2	206.7	112.2	105.9	107.2	109.7	110.6
22.5°	518.9	487.1	375.7	317.7	179.6	165.6	114.8	91.9	136.0	151.2	152.9
25°	523.1	483.3	354.9	281.2	202.9	124.1	111.0	100.8	124.1	139.4	140.2
27.5°	739.5	670.1	485.0	238.9	156.7	108.9	103.8	94.9	111.4	138.1	138.5
30°	733.2	651.4	449.4	231.3	121.1	100.4	89.8	99.1	105.0	112.2	112.2
32.5°	953.4	836.1	498.5	186.4	101.7	83.4	84.7	90.2	90.6	107.2	108.4
35°	953.9	817.9	429.5	170.3	87.3	76.2	77.5	83.4	92.3	102.9	104.6
37.5°	968.7	809.9	370.2	132.6	87.3	76.2	73.7	79.6	86.0	100.8	102.5
40°	1000.0	813.2	313.9	110.1	84.3	75.0	72.9	77.5	85.1	93.6	94.5
42.5°	1053.4	832.3	260.5	99.5	82.2	75.0	69.9	73.3	77.5	94.9	96.6
45°	1138.1	873.0	219.4	95.3	81.3	72.0	66.5	67.3	70.3	112.2	116.9
47.5°	1237.2	929.3	183.8	93.2	80.1	69.0	61.4	62.3	69.0	127.5	133.8
50°	1351.6	1012.7	162.6	92.8	78.8	64.8	57.6	62.3	76.2	127.1	130.0
52.5°	1485.9	1097.5	151.2	94.5	77.9	61.0	59.7	69.9	72.4	102.1	102.1
55°	1606.6	1191.5	152.1	95.7	75.4	61.0	61.4	59.3	57.2	70.3	70.7
57.5°	1725.2	1285.1	166.0	93.2	71.6	61.4	52.9	48.7	49.6	59.7	61.0
60°	1828.1	1375.3	208.0	87.7	68.2	55.5	49.1	45.7	46.6	60.1	61.4
62.5°	1939.1	1485.4	288.0	89.8	67.8	52.5	45.7	41.9	43.6	50.0	50.8
65°	2089.0	1639.2	360.0	105.9	70.3	50.8	41.9	39.8	40.2	40.7	40.7
67.5°	2236.0	1734.1	347.3	125.0	78.8	50.0	39.8	37.3	36.9	36.9	36.9
70°	2221.6	1631.1	275.3	132.6	85.6	50.0	38.1	34.7	33.9	33.9	33.9
72.5°	2013.6	1395.2	211.4	122.8	78.8	47.9	35.6	31.8	30.5	30.5	30.5
75°	1713.3	1119.1	177.5	106.7	64.4	41.1	31.3	28.4	27.5	27.5	27.1
77.5°	1094.5	661.6	150.8	86.8	49.6	33.5	27.1	24.6	24.6	24.6	23.3
80°	439.2	291.0	117.3	68.6	38.5	26.7	22.4	21.2	20.8	20.3	19.1
82.5°	166.9	143.6	76.2	50.0	29.6	20.3	18.2	16.9	16.9	16.5	14.4
85°	59.7	55.9	35.2	28.8	18.2	12.7	14.0	12.7	12.3	11.0	9.3
87.5°	12.7	14.0	9.7	6.4	6.4	3.8	4.7	5.1	5.1	4.7	2.5
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)