

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: P415694

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415694  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4786 lumens  
Efficiency: N/A  
Efficacy: 88.6 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): 54  
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

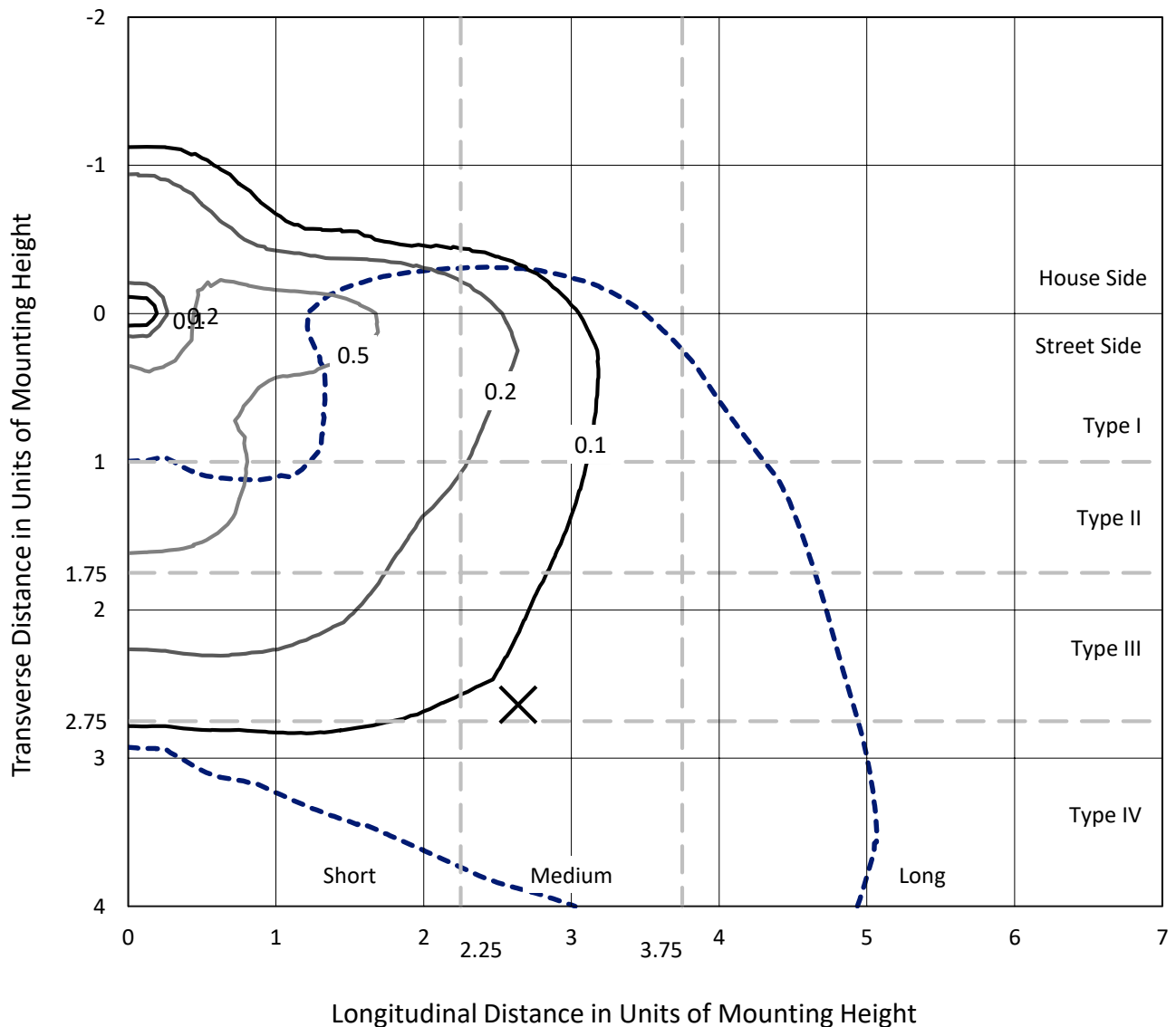


REPORT NUMBER: P415694

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

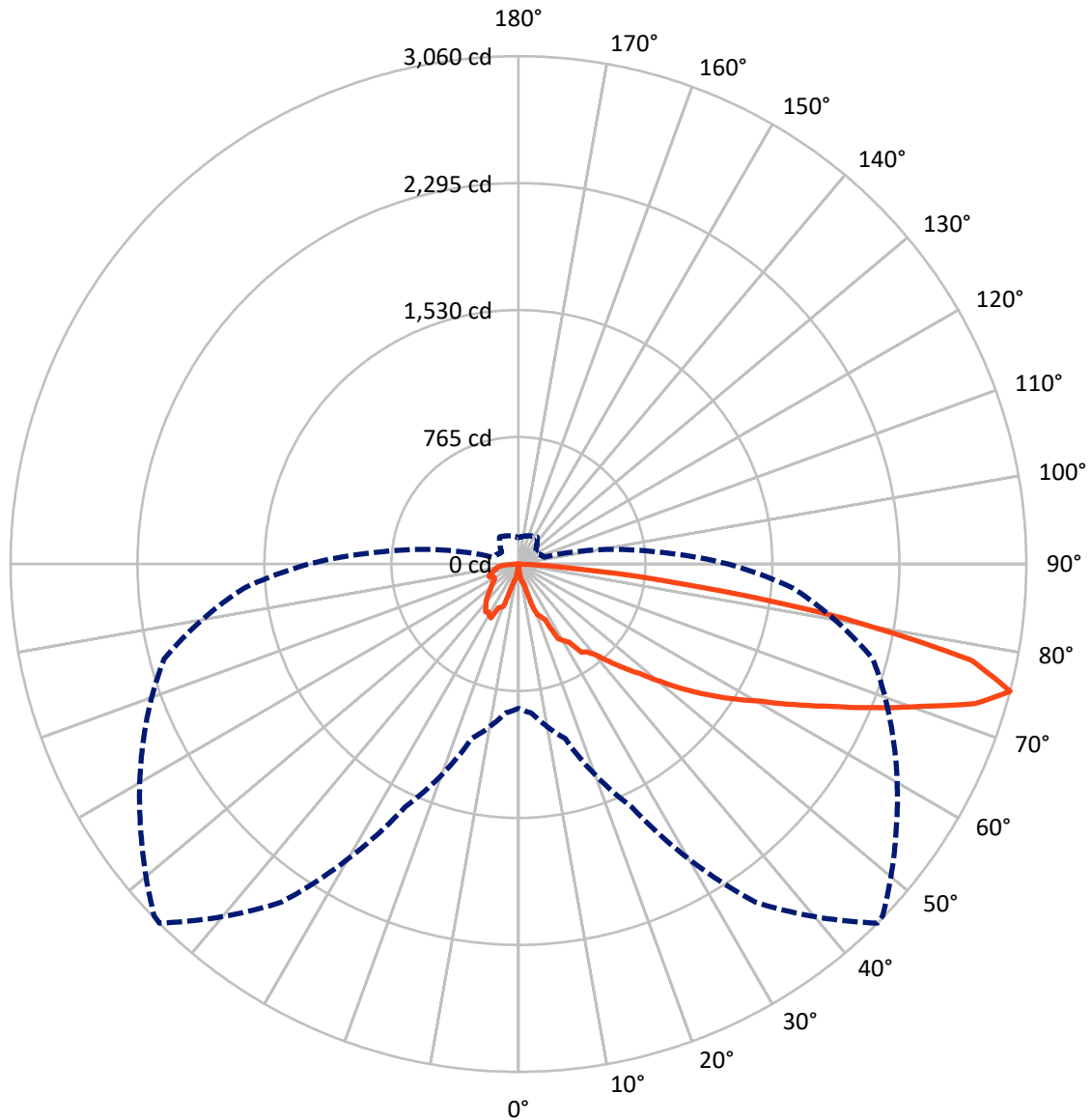


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415694

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical



REPORT NUMBER: P415694

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W

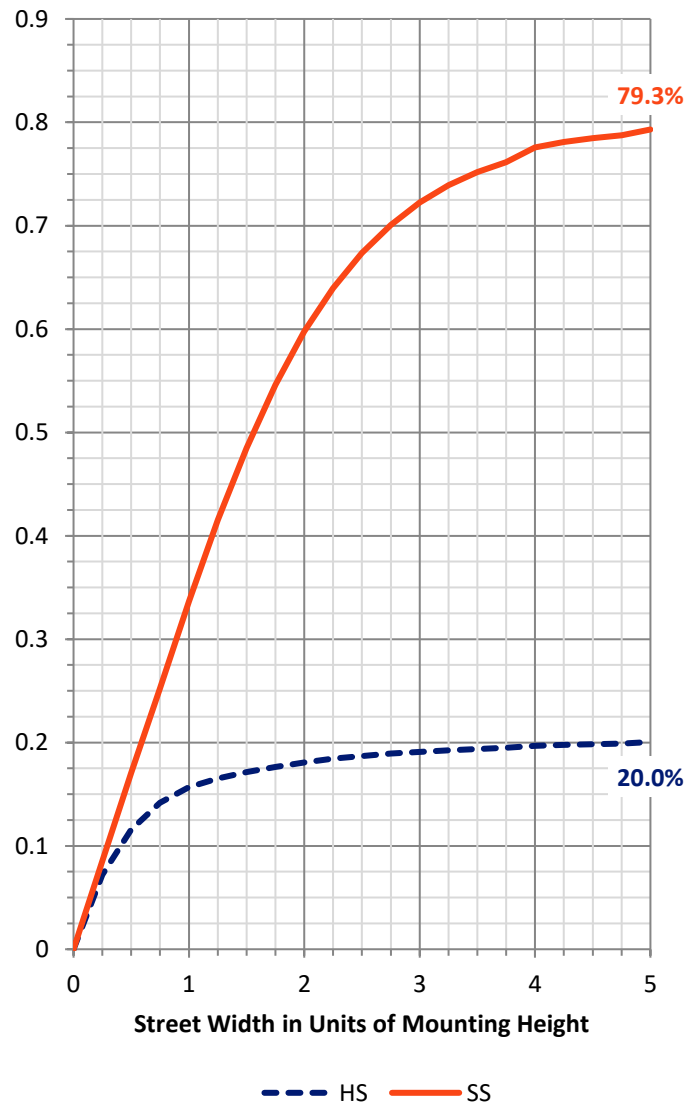
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	981.6	0.0	981.6
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	3804.4	0.0	3804.4
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	4786.0	0.0	4786.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	49.4	1.0
20°-30°	183.9	3.8
30°-40°	378.9	7.9
40°-50°	600.8	12.6
50°-60°	949.7	19.8
60°-70°	1334.3	27.9
70°-80°	1110.8	23.2
80°-90°	175.1	3.7
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°	4786.0	100.0
0°-180°	4786.0	100.0



REPORT NUMBER: P415694

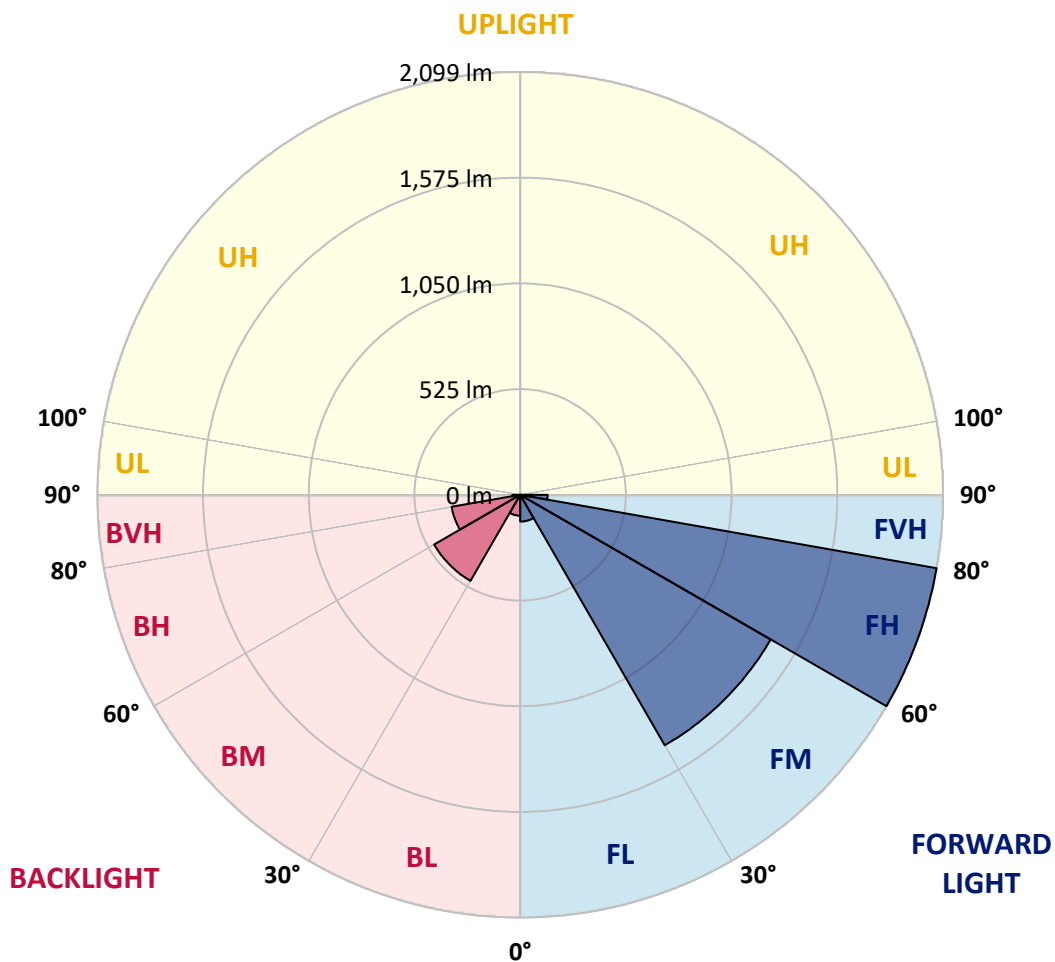
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.9	2.8			
FM	(30°-60°)	1436.0	30.0			
FH	(60°-80°)	2099.5	43.9			G2/5000
FVH	(80°-90°)	136.0	2.8			G2/225
BL	(0°-30°)	103.6	2.2	B0/110		
BM	(30°-60°)	493.3	10.3	B1/1000		
BH	(60°-80°)	345.6	7.2	B1/500		G1/500
BVH	(80°-90°)	39.1	0.8			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 IV Medium





REPORT NUMBER: P415694

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.6	2.6	2.6	2.6	2.6	2.1	2.1	1.6	2.1	2.1	2.1
5°	36.9	34.8	27.5	24.4	20.2	8.3	6.7	3.1	2.6	2.6	2.1
7.5°	109.5	108.5	106.9	103.3	98.6	61.8	53.5	19.2	3.6	2.6	2.1
10°	120.9	118.9	116.3	112.6	108.5	103.3	102.8	94.5	17.1	5.7	4.7
12.5°	237.7	233.6	195.2	141.2	116.8	110.6	110.6	106.9	77.3	27.0	63.3
15°	255.4	253.3	246.0	236.7	222.7	128.2	125.6	167.1	206.1	144.3	153.1
17.5°	287.0	282.4	260.0	248.6	238.2	258.5	256.9	239.3	225.8	159.9	171.8
20°	400.2	397.6	388.3	278.2	256.4	327.0	328.0	271.5	245.5	282.9	280.8
22.5°	409.5	409.0	402.3	385.7	406.4	343.1	343.6	360.7	358.7	375.3	340.5
25°	535.7	534.1	433.4	397.6	443.8	369.6	386.2	447.4	399.7	406.9	425.1
27.5°	549.7	548.6	542.9	518.0	459.4	509.2	509.2	462.5	509.2	533.1	536.2
30°	624.9	605.2	565.3	553.3	535.1	534.6	536.2	535.7	589.1	558.0	589.1
32.5°	735.0	730.8	716.3	600.0	594.8	560.6	578.2	618.7	615.1	709.6	750.0
35°	893.8	837.2	785.9	692.4	617.7	653.0	655.6	641.6	716.3	746.4	803.5
37.5°	1115.5	1099.9	1027.2	779.6	688.3	671.1	672.7	718.4	761.5	794.7	858.5
40°	1276.9	1268.6	1218.2	954.5	754.7	720.5	724.1	753.7	793.6	852.8	919.2
42.5°	1431.6	1431.6	1402.0	1104.0	897.4	804.5	801.9	808.2	836.7	899.0	1009.0
45°	1532.3	1526.5	1551.5	1244.7	1003.9	894.9	885.0	883.4	893.8	967.5	1129.5
47.5°	1633.5	1617.9	1641.8	1386.9	1143.0	988.3	989.3	970.1	984.1	1097.3	1294.0
50°	1740.4	1743.5	1740.4	1506.8	1279.5	1115.5	1106.6	1082.2	1110.3	1249.4	1478.3
52.5°	1893.0	1882.1	1851.5	1659.4	1453.9	1256.6	1242.6	1207.3	1273.2	1428.4	1708.7
55°	2004.1	1993.7	1985.4	1822.9	1587.8	1393.1	1384.8	1345.9	1469.4	1609.1	1946.5
57.5°	2125.0	2112.6	2136.4	2046.1	1798.0	1535.9	1525.0	1501.1	1670.8	1815.1	2188.3
60°	2206.5	2207.0	2272.4	2207.0	1973.5	1678.6	1668.2	1685.9	1855.1	2004.1	2449.4
62.5°	2206.5	2223.6	2367.4	2383.0	2161.4	1865.0	1846.8	1856.7	2055.5	2202.4	2663.8
65°	1997.3	2018.6	2353.9	2433.9	2349.8	2066.4	2057.5	2051.3	2244.9	2359.1	2832.0
67.5°	1784.0	1810.5	2149.4	2436.5	2503.9	2310.8	2278.7	2226.2	2408.4	2475.9	2922.3
70°	1636.1	1657.9	1927.3	2352.9	2603.6	2567.3	2546.0	2407.9	2517.9	2550.1	2820.6
72.5°	1395.7	1397.8	1637.6	2176.4	2670.5	2877.1	2827.3	2609.3	2579.7	2501.9	2391.8
75°	869.9	901.6	1088.5	1615.3	2485.8	3059.8	3050.5	2778.5	2491.5	2210.7	1658.4
77.5°	323.9	342.6	455.2	829.5	1778.8	2791.0	2799.3	2594.8	2107.4	1601.8	890.7
80°	105.4	113.2	150.5	267.3	790.0	1986.4	2051.3	1840.6	1292.5	813.9	375.3
82.5°	58.7	56.6	87.2	138.6	337.4	1029.3	1071.9	885.0	609.4	340.5	140.1
85°	27.0	28.0	41.5	75.3	180.1	287.0	309.9	302.6	231.0	140.1	51.4
87.5°	5.7	6.7	9.3	17.6	28.0	24.4	17.6	31.1	45.2	33.2	8.8
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: P415694

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.1	2.1	1.6	1.6	1.0	1.0	0.5	0.5	1.0	1.0	1.0
5°	2.1	2.1	1.6	1.6	1.6	1.6	2.1	3.6	4.2	4.7	4.2
7.5°	2.1	2.1	2.1	2.1	2.6	5.2	24.4	74.7	79.4	81.0	83.0
10°	4.7	4.2	4.2	4.7	16.1	78.4	94.5	99.7	102.3	103.8	103.3
12.5°	72.1	71.6	26.5	16.1	75.3	99.1	101.7	104.8	110.0	115.2	113.2
15°	152.6	152.1	140.1	145.3	146.4	108.0	110.0	180.1	192.1	199.8	202.4
17.5°	166.1	167.7	163.0	200.9	205.5	163.5	183.2	200.9	205.0	207.6	208.1
20°	308.3	277.2	237.2	224.8	219.0	269.9	204.5	206.6	266.8	286.0	288.1
22.5°	338.9	336.3	314.5	323.9	273.5	281.3	264.7	279.3	306.2	312.0	312.0
25°	437.6	432.9	359.2	337.4	347.2	289.1	334.3	304.2	314.0	324.4	325.4
27.5°	537.7	532.0	479.6	379.4	344.1	364.9	339.5	367.0	397.1	411.6	412.1
30°	584.5	576.7	500.4	427.7	358.1	357.1	356.6	405.9	403.3	412.7	415.2
32.5°	776.5	764.1	639.5	420.4	371.6	339.5	378.4	395.0	454.2	483.2	486.4
35°	823.2	807.7	642.6	465.1	350.9	349.8	350.9	405.4	437.6	458.3	463.0
37.5°	876.7	855.4	635.3	436.0	359.2	326.0	333.8	365.9	436.0	482.7	486.4
40°	943.1	910.4	633.2	406.9	334.8	308.3	306.8	349.8	381.0	409.5	412.1
42.5°	1035.0	982.6	630.1	376.8	306.2	287.0	289.6	308.3	333.2	330.6	334.8
45°	1157.0	1072.4	624.9	350.4	277.2	260.6	259.0	272.5	283.9	267.3	262.6
47.5°	1309.6	1183.4	633.2	324.9	250.2	234.6	235.1	240.8	242.9	224.8	220.6
50°	1482.9	1309.1	642.1	296.9	228.4	216.4	213.9	215.9	212.8	195.2	193.6
52.5°	1689.5	1456.5	646.7	270.4	210.7	201.4	198.3	196.7	192.1	180.1	178.6
55°	1928.8	1633.5	656.6	249.1	196.2	187.4	185.8	183.7	182.2	175.4	174.4
57.5°	2173.8	1828.6	650.9	227.3	182.2	174.4	177.5	181.2	185.3	182.7	182.2
60°	2398.6	1984.4	580.3	208.1	168.7	166.6	180.1	197.2	200.4	203.0	202.4
62.5°	2566.7	2062.7	460.4	191.5	159.4	167.1	199.8	223.7	220.6	213.9	212.3
65°	2625.9	2040.9	354.5	179.1	154.7	181.2	220.6	233.1	215.4	203.0	200.4
67.5°	2586.5	1933.5	274.6	168.7	152.1	193.1	227.9	224.2	204.0	194.6	191.0
70°	2384.5	1709.8	218.0	159.9	149.5	185.8	224.2	213.9	194.6	186.3	180.6
72.5°	1951.1	1352.1	186.9	150.0	138.6	170.8	212.8	199.8	186.3	175.4	170.3
75°	1261.8	831.5	162.5	138.6	124.1	154.7	198.3	186.3	174.9	164.0	158.8
77.5°	607.3	377.9	142.2	124.6	110.6	142.7	186.3	172.3	160.9	150.0	143.8
80°	255.9	178.6	121.5	110.6	100.7	133.9	173.4	157.3	144.3	136.5	129.8
82.5°	124.6	98.6	92.4	89.8	87.7	122.0	159.4	139.6	126.1	118.9	103.8
85°	42.0	42.6	57.1	55.5	61.8	97.6	130.3	105.9	94.5	82.0	76.8
87.5°	4.2	5.7	7.8	9.9	20.2	27.0	44.6	36.3	28.5	10.9	7.3
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)