

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: P415327

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-830-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3004 lumens  
Efficiency: N/A  
Efficacy: 75.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 40  
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

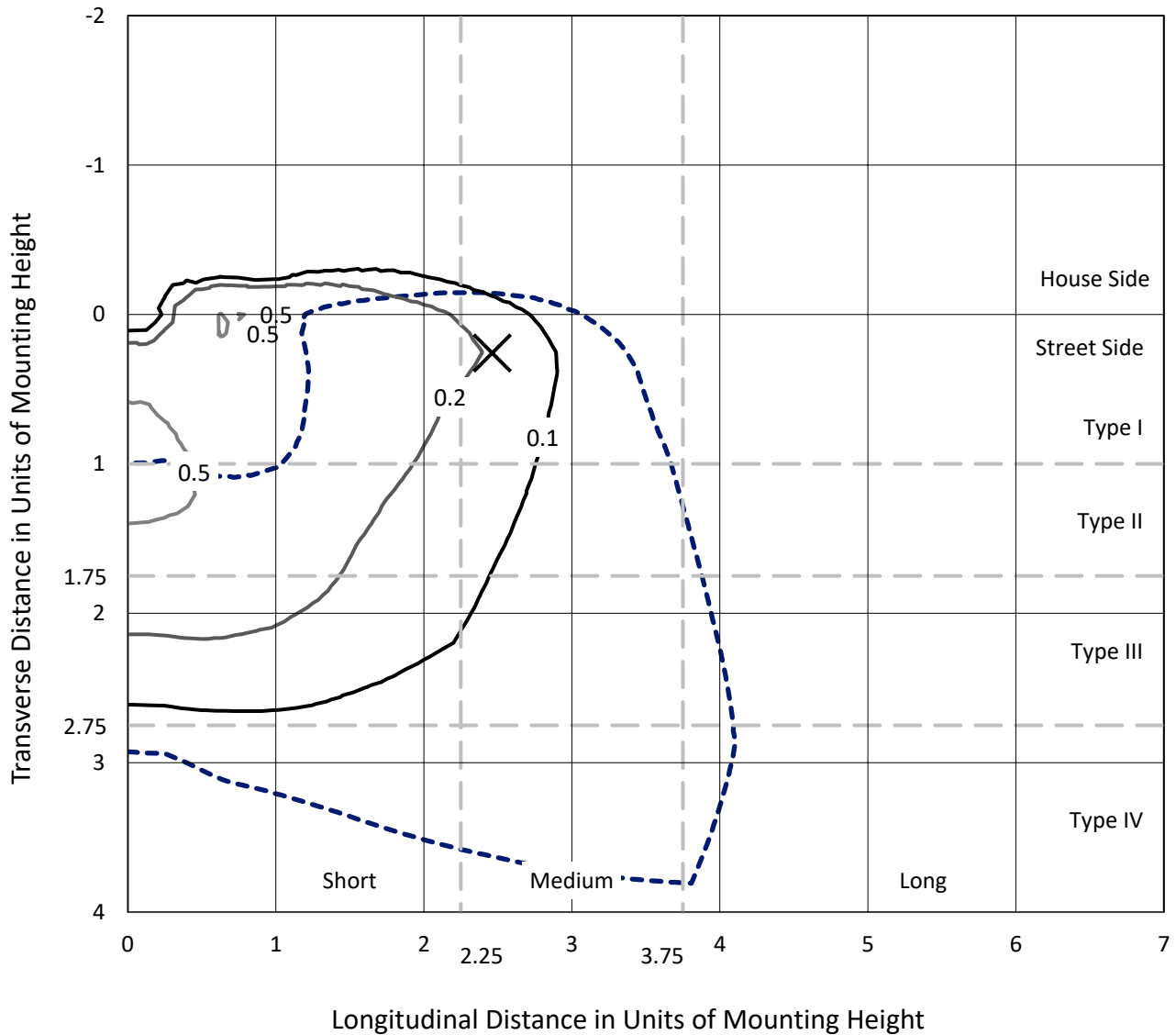


REPORT NUMBER: P415327

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

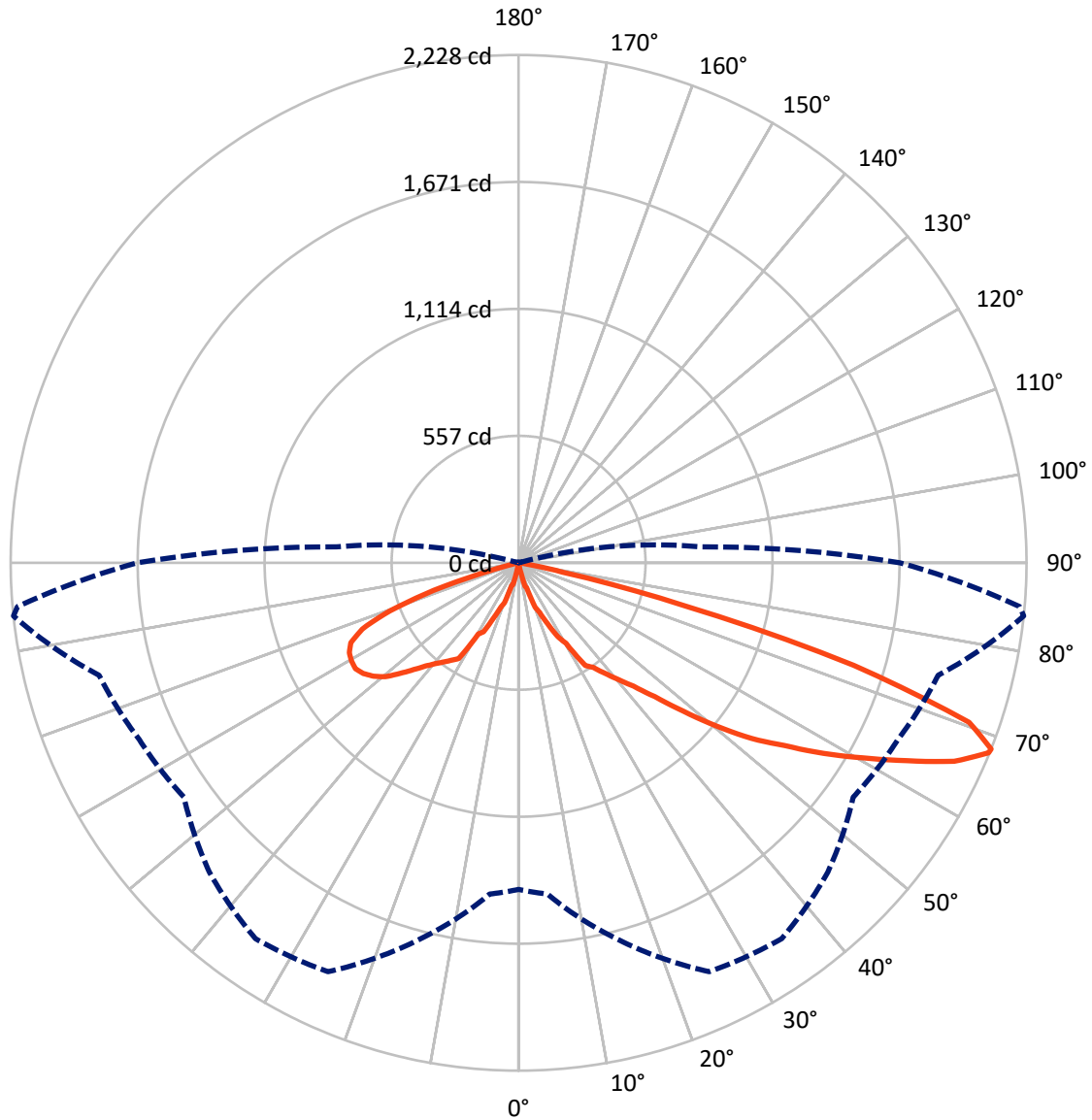


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415327

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P415327

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-HSS

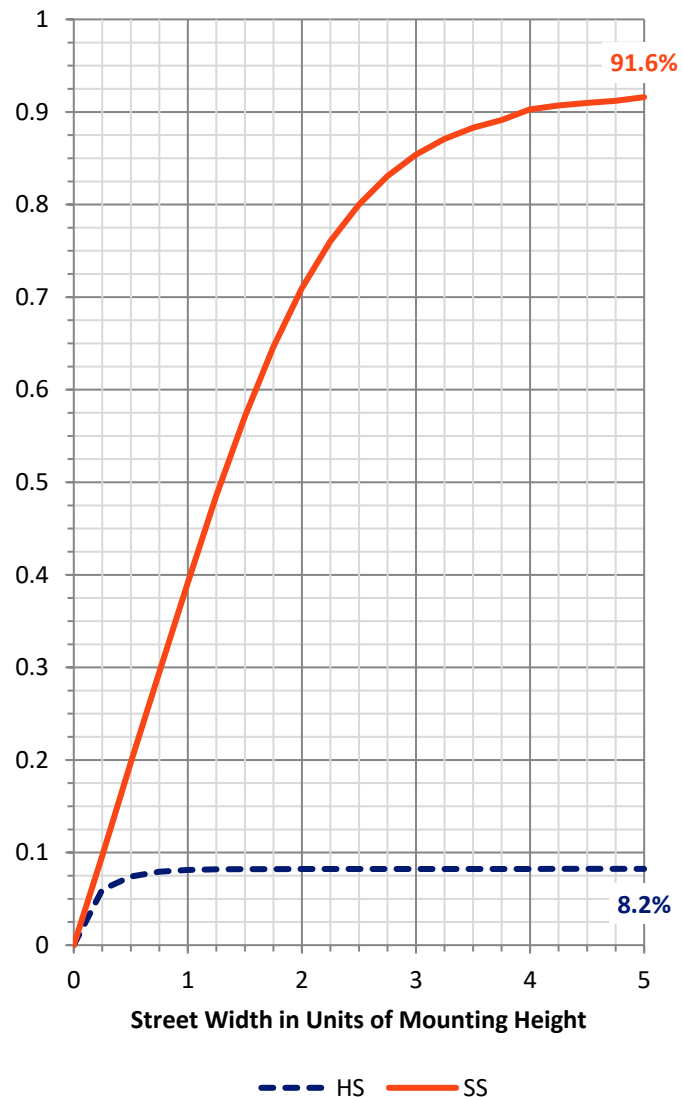
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	249.6	0.0	249.6
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	2754.4	0.0	2754.4
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	3004.0	0.0	3004.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	27.2	0.9
20°-30°	97.4	3.2
30°-40°	208.0	6.9
40°-50°	371.7	12.4
50°-60°	659.5	22.0
60°-70°	947.8	31.6
70°-80°	638.0	21.2
80°-90°	52.4	1.7
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°	3004.0	100.0
0°-180°	3004.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P415327

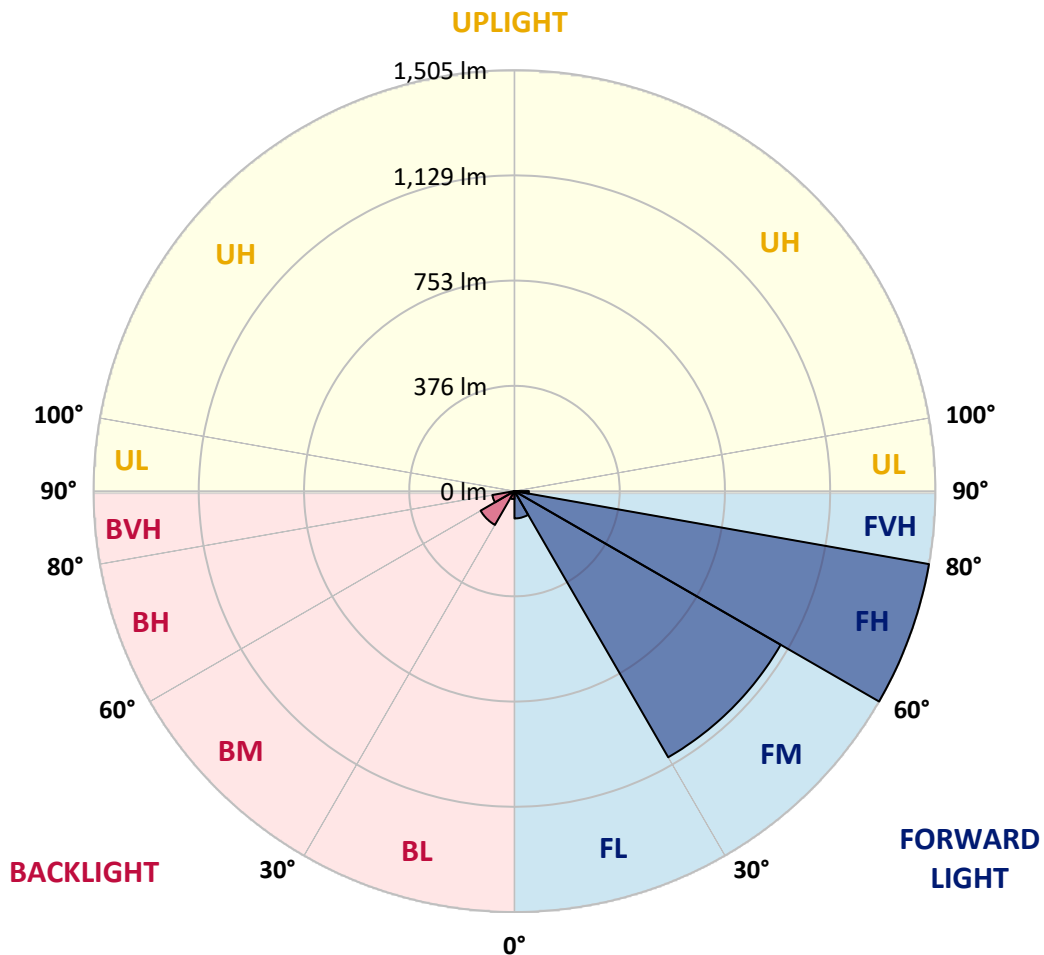
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.9	3.3			
FM (30°-60°)	1099.4	36.6			
FH (60°-80°)	1505.4	50.1			G1/1800
FVH (80°-90°)	51.6	1.7			G1/100
BL (0°-30°)	28.6	1.0	B0/110		
BM (30°-60°)	139.9	4.7	B0/220		
BH (60°-80°)	80.3	2.7	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Medium





REPORT NUMBER: P415327

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.4	0.4	0.0	0.4	0.4	0.9	0.9	1.3	1.3	1.3	1.3
5°	23.1	19.6	19.1	17.0	12.2	3.0	0.9	1.3	1.3	1.3	1.3
7.5°	82.7	81.4	80.5	78.7	77.0	59.2	11.7	1.3	1.3	1.3	1.3
10°	88.8	87.0	85.7	83.5	80.9	77.9	74.4	9.6	1.3	1.3	1.3
12.5°	183.6	181.4	125.7	104.0	85.7	81.4	78.7	40.9	37.9	43.1	49.2
15°	193.2	191.4	186.6	180.6	162.3	91.8	123.6	153.6	100.1	106.6	106.6
17.5°	215.4	211.9	195.4	186.2	178.8	196.7	180.6	164.5	107.9	114.4	114.4
20°	301.5	300.6	295.9	206.7	188.0	248.9	196.7	175.3	199.3	208.0	198.0
22.5°	304.1	303.2	299.8	288.0	295.4	255.8	282.4	265.0	271.9	237.6	235.8
25°	403.3	399.8	320.2	293.2	333.3	272.8	335.9	292.4	287.2	296.7	296.7
27.5°	410.7	409.8	407.2	390.3	342.0	386.3	345.9	378.5	385.9	366.8	376.8
30°	467.7	439.0	423.8	413.8	402.9	405.5	403.8	435.5	402.0	409.8	405.5
32.5°	544.3	541.7	533.8	441.2	447.7	423.3	470.8	466.0	519.9	536.9	534.3
35°	650.9	609.1	558.2	510.3	464.7	503.0	486.4	542.1	555.6	563.4	579.5
37.5°	744.4	730.9	683.5	541.2	514.7	517.7	556.5	580.8	600.8	614.8	621.7
40°	830.1	820.1	788.4	632.6	541.7	562.1	593.9	607.4	647.0	672.6	673.1
42.5°	957.2	963.3	933.7	715.3	614.8	624.3	651.3	653.5	688.7	740.1	741.8
45°	1116.0	1107.7	1100.3	835.4	684.4	678.3	715.7	710.5	764.9	837.1	845.8
47.5°	1269.1	1257.4	1237.4	973.7	781.0	738.8	791.0	795.3	880.2	972.4	975.9
50°	1387.5	1383.1	1363.1	1134.7	909.3	822.3	874.5	925.8	1015.9	1126.9	1134.2
52.5°	1518.0	1508.0	1472.7	1285.7	1074.2	948.0	974.6	1064.6	1159.0	1280.9	1280.0
55°	1605.0	1606.3	1572.8	1439.7	1223.9	1090.3	1100.7	1239.1	1289.6	1414.0	1423.1
57.5°	1720.7	1711.2	1720.3	1620.7	1426.6	1234.8	1259.1	1378.8	1424.0	1577.6	1583.7
60°	1806.9	1810.4	1855.6	1787.7	1583.7	1381.8	1402.7	1492.8	1558.0	1737.7	1756.8
62.5°	1809.9	1828.6	1950.5	1955.2	1753.8	1541.0	1527.6	1609.4	1666.8	1911.7	1934.8
65°	1644.2	1655.5	1930.0	1999.6	1911.7	1697.2	1646.3	1707.7	1774.2	2100.1	2104.5
67.5°	1478.0	1481.4	1746.4	1986.6	2006.6	1884.8	1772.9	1815.1	1879.5	2224.1	2208.9
68°	1432.7	1458.8	1714.6	1979.2	2012.7	1918.7	1792.1	1835.6	1905.2	2228.0	2206.7
70°	1298.7	1326.6	1561.9	1896.5	2009.6	2046.6	1896.9	1903.0	1921.3	2096.6	2028.3
72.5°	873.2	891.9	1236.1	1614.1	1944.4	2195.4	2014.0	1863.0	1723.8	1537.1	1476.7
75°	335.9	338.1	623.0	1109.4	1681.1	2121.0	1890.4	1570.6	1170.8	748.3	702.7
77.5°	125.3	123.1	180.6	514.3	1067.2	1648.1	1411.4	962.8	487.7	196.2	191.9
80°	44.4	45.7	70.0	154.9	433.8	962.8	785.8	392.0	143.6	43.5	40.0
82.5°	17.4	18.7	35.7	73.5	186.2	404.2	335.4	166.6	84.0	16.5	15.7
85°	3.9	4.4	13.9	36.5	70.9	117.0	117.9	101.8	69.6	7.8	7.4
87.5°	0.4	0.9	3.9	4.8	5.7	3.0	10.0	10.4	19.1	3.0	3.0
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: P415327

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.3	1.3	1.3	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.3	1.3	1.3	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	0.9	0.4	0.4	0.0	38.3	39.6	40.9	41.3
10°	1.3	1.3	1.3	0.9	0.9	40.0	47.0	45.2	42.2	40.9	41.3
12.5°	47.4	46.1	14.8	3.0	36.5	43.9	36.1	30.0	27.0	24.8	24.8
15°	103.5	99.6	83.1	63.5	59.6	33.9	23.1	19.6	28.7	34.8	34.8
17.5°	110.1	105.3	93.1	92.2	60.5	29.6	23.9	30.9	32.6	34.4	34.4
20°	213.2	191.0	131.4	88.3	44.4	36.1	30.0	29.6	30.9	33.1	33.5
22.5°	228.4	217.5	165.3	107.0	40.5	39.2	34.8	33.1	44.4	48.3	48.3
25°	290.2	279.8	177.9	85.3	49.2	40.0	43.9	41.3	42.2	45.7	45.7
27.5°	371.1	352.0	233.6	71.8	45.7	43.5	44.8	41.3	48.7	57.9	57.9
30°	411.1	372.9	223.6	63.5	46.6	47.4	43.1	50.5	50.5	53.9	54.4
32.5°	548.6	522.1	251.9	53.5	46.6	43.5	47.0	47.9	47.0	60.9	61.3
35°	583.9	552.1	215.8	55.7	44.4	42.2	42.2	47.4	50.5	53.5	53.9
37.5°	626.9	585.6	169.7	52.2	46.1	40.9	38.7	40.5	44.4	52.2	52.6
40°	681.8	622.2	130.5	49.2	43.1	37.4	35.2	37.0	37.0	39.2	39.6
42.5°	755.7	665.7	96.6	47.0	40.5	34.4	30.9	28.7	27.4	27.0	27.4
45°	857.1	721.4	72.2	44.8	38.7	30.5	25.7	20.9	17.4	17.4	17.8
47.5°	977.6	783.6	58.7	41.3	36.1	26.1	19.6	13.5	10.9	11.3	11.7
50°	1106.0	849.3	51.3	38.3	33.1	21.3	13.1	8.3	7.0	7.4	7.8
52.5°	1224.7	891.9	48.3	35.2	29.2	16.5	8.3	5.7	5.2	5.2	5.7
55°	1344.0	924.1	45.7	32.2	23.5	10.9	4.8	4.4	4.4	3.9	3.9
57.5°	1454.9	943.2	41.3	27.8	16.5	6.5	3.5	3.5	3.0	3.0	3.0
60°	1556.7	941.1	33.1	20.9	10.4	3.9	2.6	2.6	2.2	2.2	2.2
62.5°	1660.7	931.5	23.5	14.8	7.0	2.6	1.7	1.7	1.3	0.9	1.3
65°	1723.3	904.5	15.7	10.4	4.4	1.7	1.3	0.9	0.4	0.0	0.4
67.5°	1697.2	826.2	11.7	7.8	3.0	1.3	0.9	0.4	0.0	0.0	0.0
68°	1673.3	801.4	10.9	7.4	2.6	1.3	0.9	0.4	0.0	0.0	0.0
70°	1484.9	667.8	9.6	6.1	2.2	1.3	0.9	0.4	0.0	0.0	0.0
72.5°	990.7	433.8	7.8	4.8	1.7	0.9	0.9	0.4	0.0	0.0	0.0
75°	456.8	139.2	6.1	3.9	1.3	0.9	0.9	0.4	0.0	0.0	0.0
77.5°	121.8	29.6	3.9	2.6	1.3	0.9	0.9	0.4	0.4	0.4	0.0
80°	29.2	9.1	2.6	2.2	1.3	0.9	0.9	0.4	0.4	0.4	0.0
82.5°	10.9	4.8	1.7	1.7	1.3	0.9	0.9	0.4	0.9	0.9	0.0
85°	4.8	3.0	1.7	1.7	1.3	0.9	0.9	0.9	0.9	1.3	0.0
87.5°	2.2	2.2	1.7	1.7	1.7	0.9	1.3	1.3	1.3	1.3	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)