

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: P414844

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-827-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2886 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

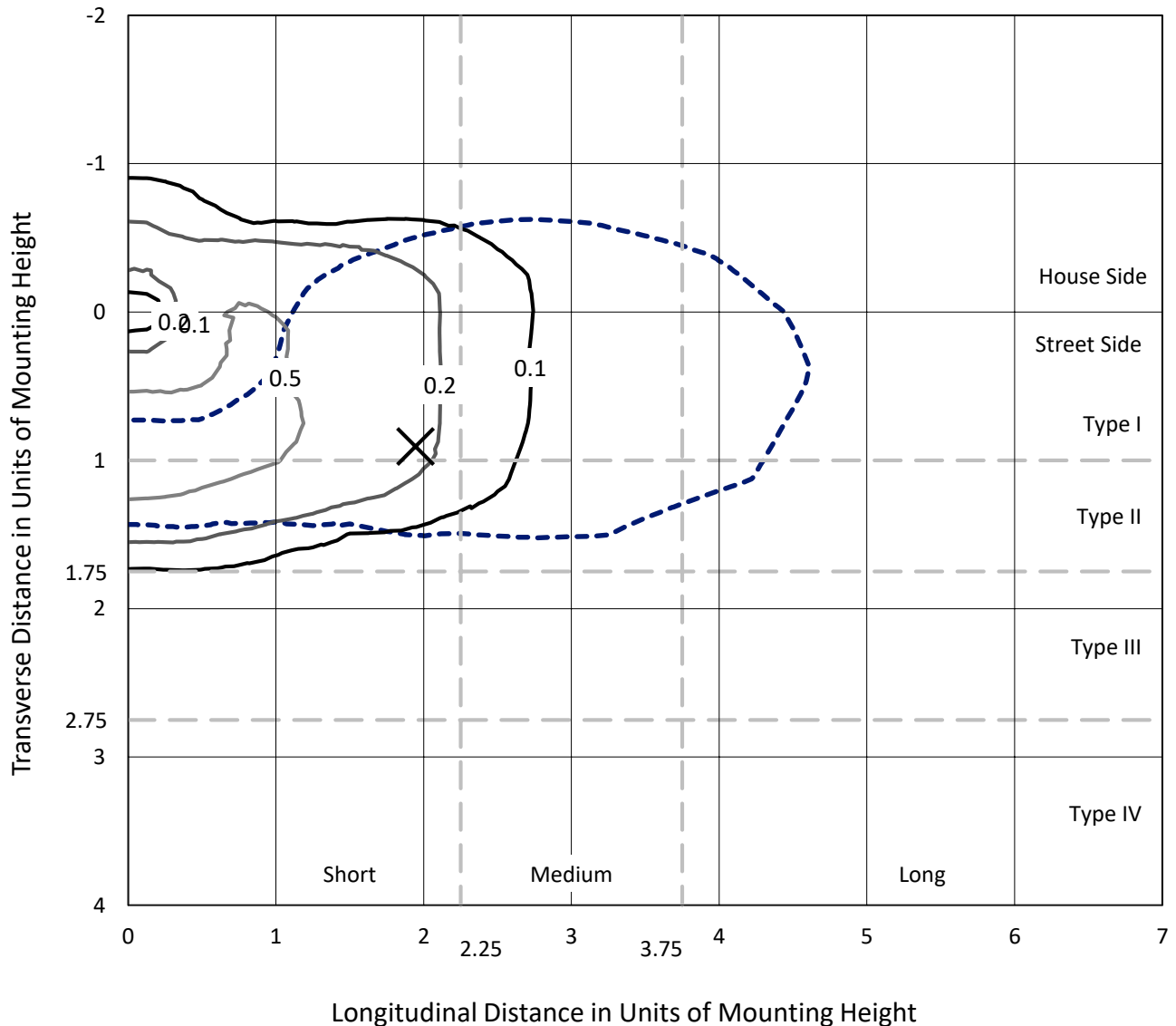
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414844  
 CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

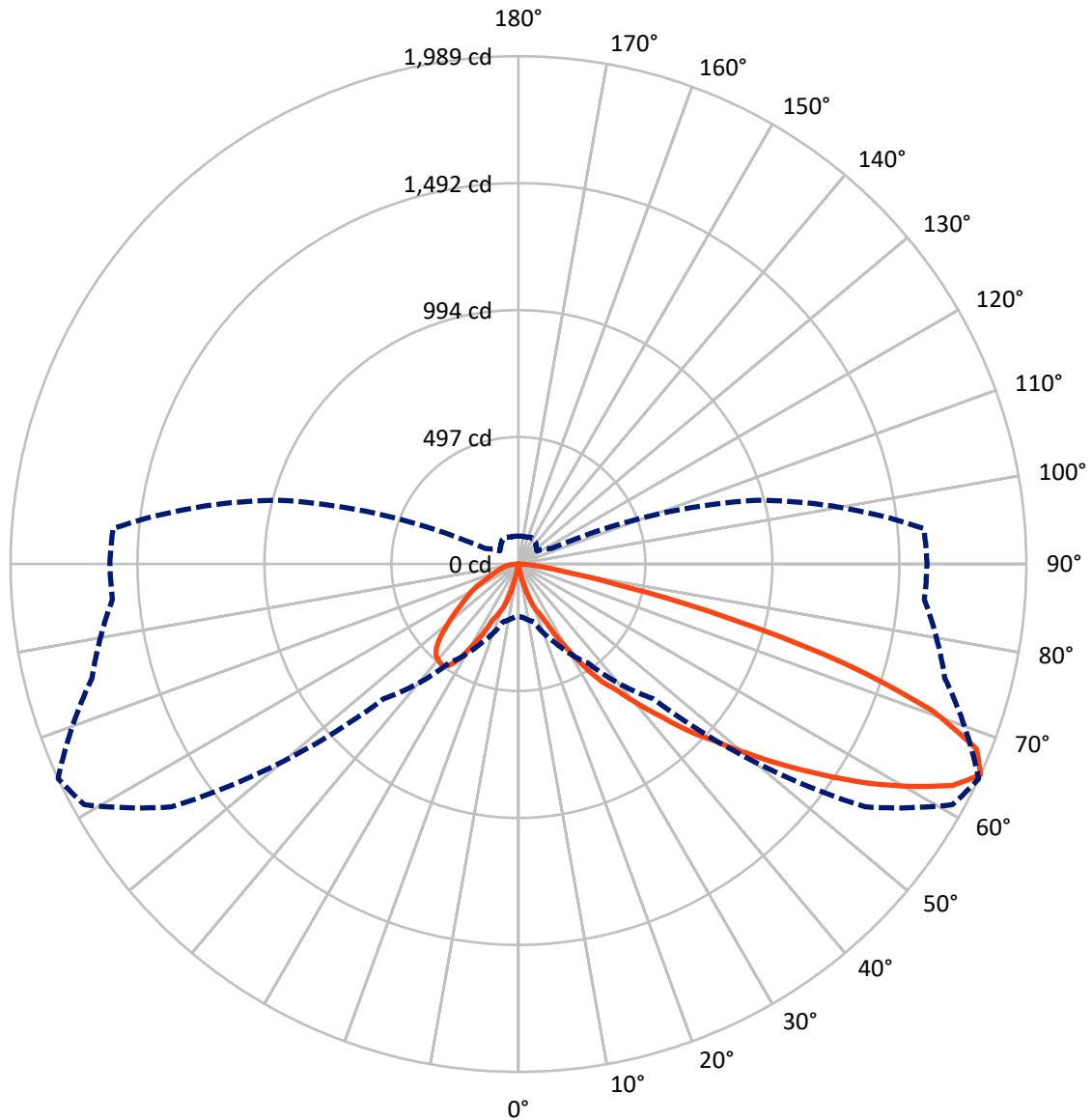


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414844

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P414844

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	778.7	0.0	778.7
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	2107.3	0.0	2107.3
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	2886.0	0.0	2886.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	31.9	1.1
20°-30°	122.7	4.3
30°-40°	307.2	10.6
40°-50°	572.0	19.8
50°-60°	749.0	26.0
60°-70°	671.4	23.3
70°-80°	369.3	12.8
80°-90°	60.3	2.1
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°	2886.0	100.0
0°-180°	2886.0	100.0



REPORT NUMBER: P414844

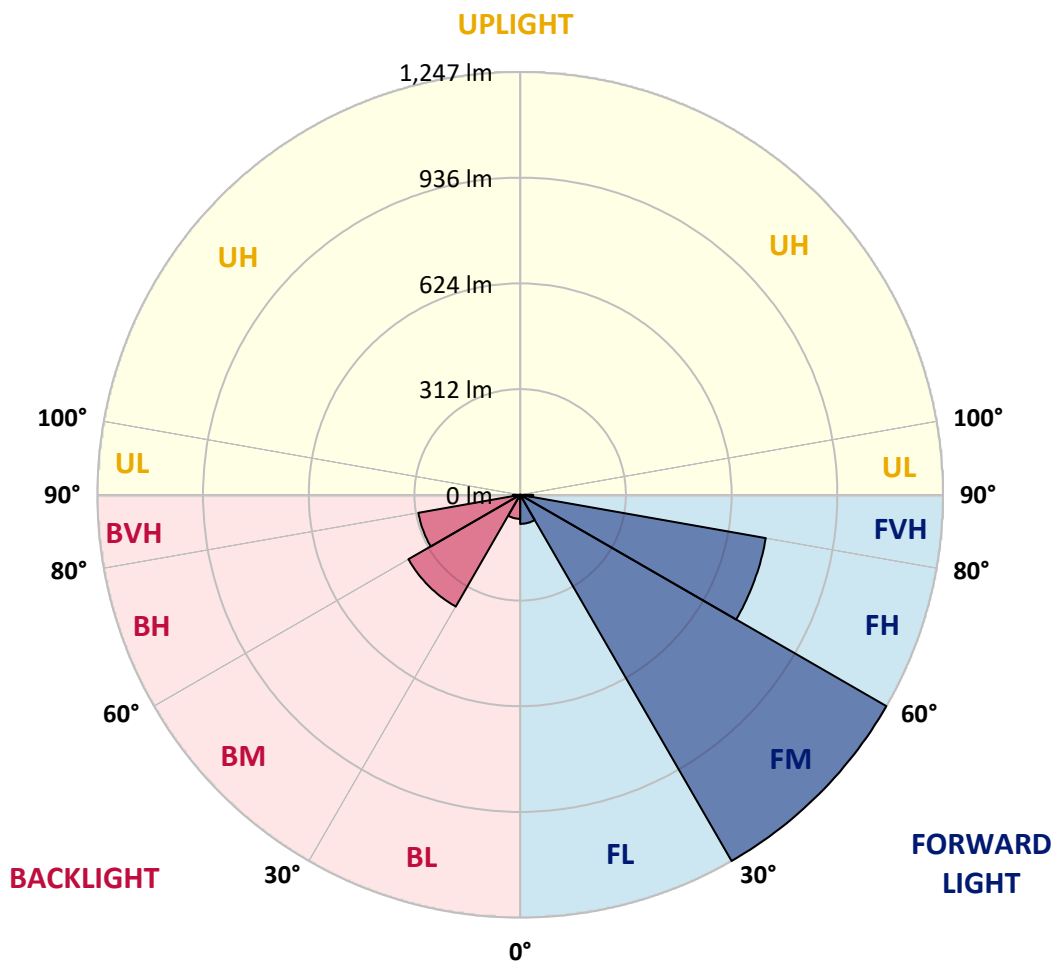
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.8	3.0			
FM	(30°-60°)	1247.4	43.2			
FH	(60°-80°)	735.8	25.5			G1/1800
FVH	(80°-90°)	38.3	1.3			G1/100
BL	(0°-30°)	70.9	2.5	B0/110		
BM	(30°-60°)	380.8	13.2	B1/1000		
BH	(60°-80°)	305.0	10.6	B1/500		G1/500
BVH	(80°-90°)	22.1	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-G1**

Type II Short





REPORT NUMBER: P414844

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.6	1.6	1.9	2.2	2.2	1.9	1.6	1.2	0.9	0.6	0.6
5°	14.3	12.7	9.9	6.8	4.0	3.1	2.5	1.9	1.6	0.9	0.6
7.5°	69.9	69.6	69.3	69.6	68.1	26.7	5.0	3.1	2.5	1.2	0.9
10°	70.2	69.9	69.6	70.2	70.2	69.3	65.9	9.6	5.0	3.1	3.1
12.5°	124.9	120.6	83.3	73.3	70.9	70.9	70.9	63.4	60.3	44.4	53.8
15°	131.1	130.2	129.9	130.5	115.6	76.4	106.9	100.7	101.9	87.0	103.2
17.5°	138.0	136.4	135.2	135.5	130.2	150.1	140.5	143.6	144.8	110.0	120.6
20°	213.8	213.8	197.6	149.8	164.4	188.3	155.4	170.6	188.9	164.4	168.7
22.5°	242.7	240.5	238.3	225.9	206.6	205.4	225.9	197.9	210.1	241.5	223.1
25°	330.0	330.6	277.2	260.7	288.7	251.7	269.7	268.2	253.9	292.7	282.8
27.5°	417.6	418.9	413.0	367.6	330.0	323.8	307.0	330.9	327.2	324.7	348.0
30°	499.4	499.1	472.3	453.4	433.2	397.1	378.5	383.5	398.4	384.7	434.1
32.5°	694.8	689.6	661.0	540.7	509.6	475.8	470.5	456.5	486.3	476.7	522.4
35°	825.0	823.8	771.9	704.2	606.0	568.4	569.0	542.9	567.4	579.9	587.0
37.5°	1115.9	1111.6	1032.6	834.1	756.7	679.3	665.0	652.6	627.1	663.1	662.8
40°	1272.5	1260.1	1190.5	1059.7	888.4	795.2	765.4	738.7	720.3	741.5	738.7
42.5°	1394.3	1384.7	1335.6	1200.1	1060.3	987.9	876.6	851.1	814.2	839.3	826.3
45°	1481.7	1476.7	1432.9	1332.2	1225.0	1171.8	1002.2	962.4	930.4	927.0	919.2
47.5°	1498.4	1487.9	1474.8	1418.3	1372.6	1356.7	1157.5	1088.9	1036.0	1026.1	1013.0
50°	1419.2	1416.1	1433.2	1422.9	1478.6	1515.5	1336.8	1241.8	1167.8	1132.7	1107.5
52.5°	1235.5	1242.1	1307.6	1353.3	1491.9	1626.2	1505.3	1413.3	1312.3	1234.9	1201.1
55°	981.7	1005.3	1102.5	1197.6	1408.3	1674.0	1665.0	1592.6	1462.4	1349.3	1299.2
57.5°	753.9	751.4	876.6	963.0	1238.7	1642.0	1768.8	1748.3	1620.3	1468.0	1393.1
60°	488.5	486.3	634.2	744.9	954.6	1477.9	1822.6	1876.3	1768.5	1570.5	1477.6
62.5°	318.8	332.2	388.4	545.7	681.8	1142.9	1804.5	1955.9	1909.6	1665.6	1558.7
65°	205.1	210.1	234.6	340.0	472.7	745.5	1658.5	1944.1	1988.8	1729.0	1595.7
67.5°	152.9	154.1	165.9	211.3	321.6	389.7	1301.7	1780.0	1935.0	1733.4	1583.6
70°	134.2	136.7	148.2	159.4	239.3	245.2	761.0	1431.0	1719.4	1670.9	1522.4
72.5°	114.7	117.2	132.4	148.5	183.0	184.0	284.6	950.9	1346.2	1544.1	1424.2
75°	93.5	95.1	108.5	130.2	152.6	147.6	164.7	429.8	861.7	1283.4	1270.3
77.5°	75.5	76.8	86.4	103.8	135.2	113.1	122.7	184.3	428.2	926.7	1029.2
80°	54.7	55.3	64.6	79.6	101.6	101.0	91.7	116.8	176.8	541.3	681.5
82.5°	34.8	34.8	44.4	52.2	67.4	99.8	64.3	78.6	98.8	269.4	327.8
85°	19.6	20.2	28.0	30.5	39.5	60.6	46.3	43.5	53.4	97.6	80.8
87.5°	3.7	4.7	8.1	8.7	10.3	14.3	16.8	15.2	15.8	22.7	13.4
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: P414844

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.6	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.9
5°	0.6	0.9	1.2	1.2	1.6	2.2	2.5	2.5	2.8	3.1	2.8
7.5°	0.6	0.9	1.2	1.9	2.5	5.0	18.0	63.7	68.4	69.3	70.5
10°	2.8	2.8	3.1	3.4	14.0	66.8	71.8	72.4	73.0	73.3	73.6
12.5°	54.7	54.1	53.8	41.3	63.7	73.6	74.6	75.2	76.1	90.7	98.2
15°	104.4	104.7	99.4	95.4	110.9	80.8	86.1	133.0	137.7	139.2	140.1
17.5°	119.6	124.9	110.9	147.3	146.1	123.1	135.5	142.6	143.3	144.2	144.5
20°	170.0	168.7	161.6	184.6	158.2	202.3	167.8	144.5	181.8	200.1	200.4
22.5°	220.6	220.9	210.7	213.2	227.5	208.2	168.1	190.8	195.5	195.2	194.2
25°	284.3	281.9	276.9	237.1	268.5	226.5	223.7	184.9	185.5	200.4	210.1
27.5°	347.7	341.5	321.9	307.3	278.7	252.0	211.3	200.1	215.7	214.7	215.0
30°	435.4	425.7	371.7	369.8	295.8	249.5	215.0	199.2	193.9	195.2	194.5
32.5°	523.0	505.6	456.8	441.0	315.4	232.4	197.3	184.0	199.2	201.4	200.1
35°	577.1	562.8	546.0	482.9	317.6	214.1	178.7	181.8	180.9	179.9	180.5
37.5°	640.1	616.8	602.2	497.2	299.6	191.1	170.3	167.8	182.7	183.0	181.8
40°	710.7	684.3	651.6	490.7	258.5	173.1	158.2	166.3	167.2	163.5	162.5
42.5°	790.2	751.7	703.2	482.0	214.4	162.5	153.5	154.4	155.1	151.0	149.5
45°	870.4	825.4	747.4	457.7	182.4	152.0	146.4	146.1	142.9	139.2	138.3
47.5°	960.2	907.4	783.7	415.5	159.7	143.9	141.7	135.8	136.7	133.3	133.0
50°	1052.8	996.0	804.5	364.8	144.8	137.0	133.3	131.4	133.9	129.9	129.3
52.5°	1143.6	1096.0	837.5	319.5	132.1	131.1	129.6	130.2	131.1	126.8	126.5
55°	1242.1	1207.9	867.6	276.3	120.9	123.1	128.3	128.0	127.7	123.7	123.7
57.5°	1332.5	1315.7	898.4	243.0	112.2	115.9	125.5	125.5	124.0	120.6	120.3
60°	1437.5	1425.1	927.6	213.2	104.7	109.4	122.1	122.4	119.6	117.2	116.5
62.5°	1532.9	1523.6	950.9	181.8	96.6	103.8	117.2	119.3	115.3	113.4	113.4
65°	1600.1	1593.5	963.6	142.9	88.9	98.2	111.9	115.0	109.7	109.4	109.4
67.5°	1606.0	1601.9	937.2	119.3	83.3	92.9	105.3	108.5	103.8	104.7	102.9
70°	1551.0	1521.4	862.3	99.4	77.7	86.1	97.6	101.3	96.6	97.0	93.8
72.5°	1434.7	1349.6	730.0	84.5	71.5	78.6	89.2	92.6	88.3	87.3	83.9
75°	1239.3	1107.8	508.1	73.3	64.9	70.5	78.9	82.3	79.6	74.9	74.0
77.5°	959.9	812.0	311.4	63.4	59.0	62.2	68.4	70.2	67.4	61.8	60.9
80°	605.0	486.9	150.1	55.0	51.3	52.8	56.9	58.4	56.2	50.7	47.5
82.5°	277.2	210.4	79.2	44.4	41.6	41.6	45.7	44.4	42.6	37.3	30.1
85°	64.6	66.5	36.7	27.3	26.4	23.6	27.3	27.0	24.2	18.6	15.5
87.5°	10.6	11.8	9.3	8.4	6.8	5.3	5.9	5.0	4.4	2.2	0.9
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)