

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: P415260

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415260  
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-PA1-40-827-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3738 lumens  
Efficiency: N/A  
Efficacy: 93.4 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

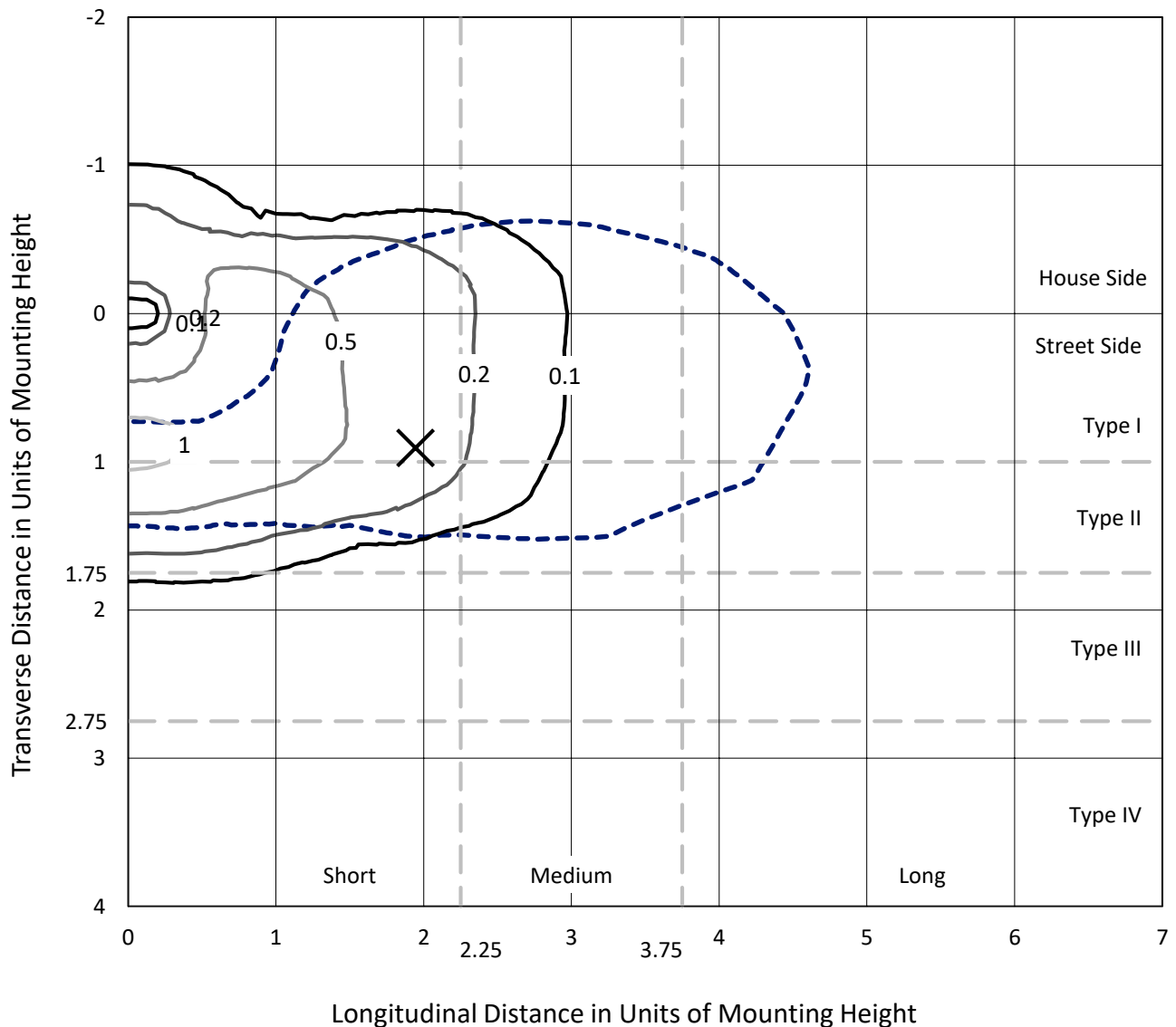
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415260  
 CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U

### Iso-Footcandle Lines of Horizontal Illumination

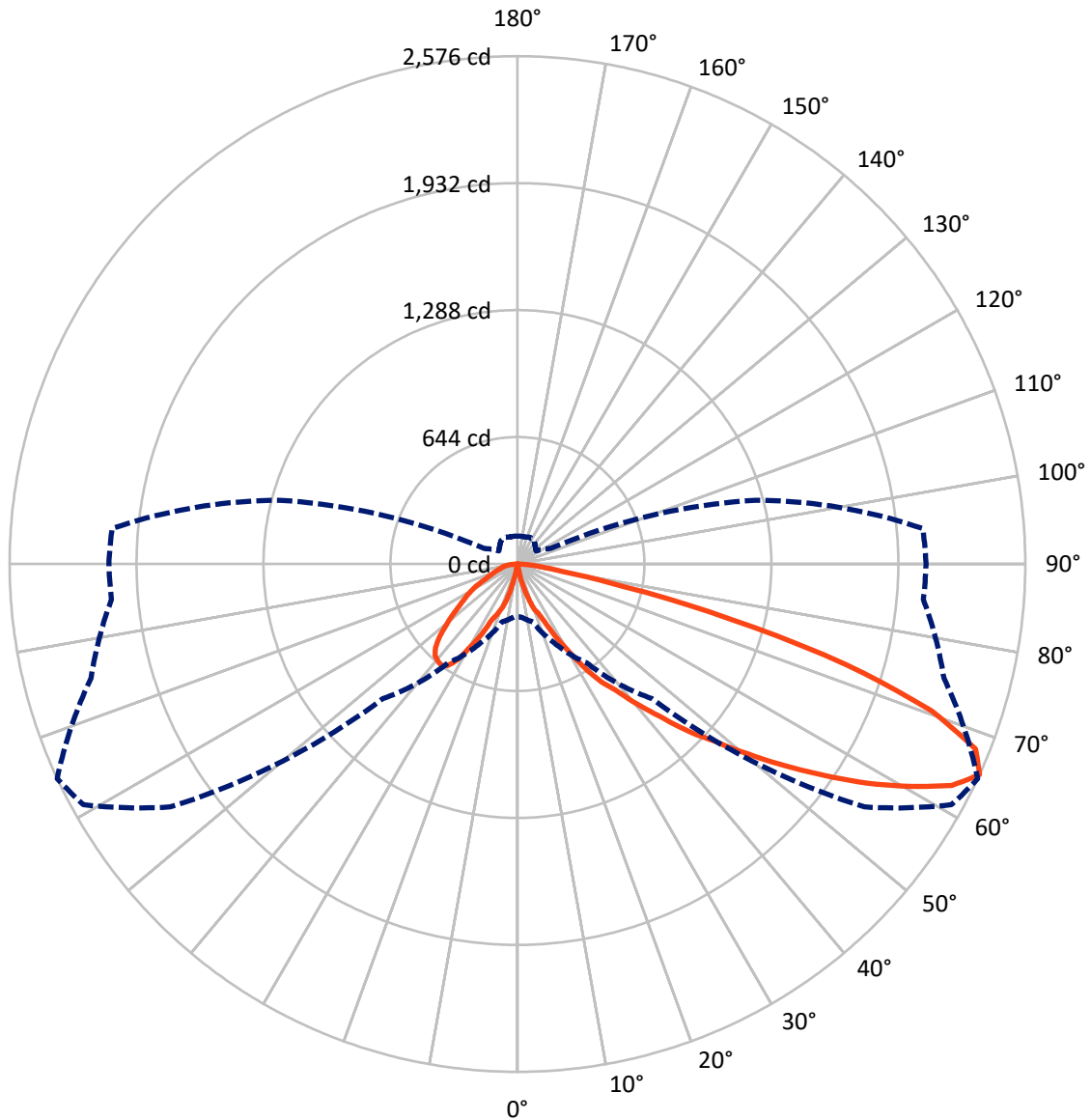
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415260  
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P415260

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1008.6	0.0	1008.6
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	2729.4	0.0	2729.4
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	3738.0	0.0	3738.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	41.3	1.1
20°-30°	159.0	4.3
30°-40°	397.9	10.6
40°-50°	740.8	19.8
50°-60°	970.1	26.0
60°-70°	869.7	23.3
70°-80°	478.4	12.8
80°-90°	78.2	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°	3738.0	100.0
0°-180°	3738.0	100.0



REPORT NUMBER: P415260

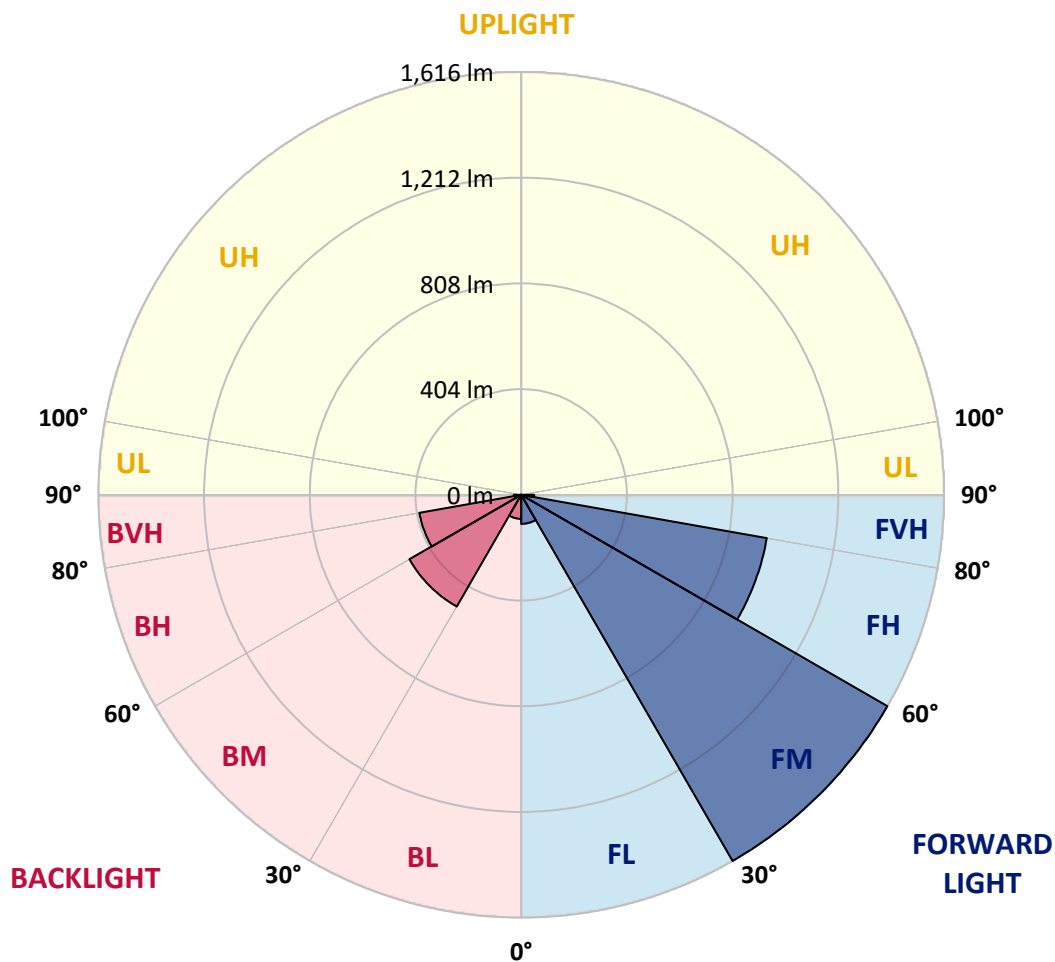
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.1	3.0			
FM (30°-60°)	1615.6	43.2			
FH (60°-80°)	953.0	25.5			G1/1800
FVH (80°-90°)	49.6	1.3			G1/100
BL (0°-30°)	91.9	2.5	B0/110		
BM (30°-60°)	493.2	13.2	B1/1000		
BH (60°-80°)	395.0	10.6	B1/500		G1/500
BVH (80°-90°)	28.6	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: P415260

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.0	2.0	2.4	2.8	2.8	2.4	2.0	1.6	1.2	0.8	0.8
5°	18.5	16.5	12.9	8.9	5.2	4.0	3.2	2.4	2.0	1.2	0.8
7.5°	90.6	90.2	89.8	90.2	88.1	34.6	6.4	4.0	3.2	1.6	1.2
10°	91.0	90.6	90.2	91.0	91.0	89.8	85.3	12.5	6.4	4.0	4.0
12.5°	161.8	156.2	107.9	95.0	91.8	91.8	91.8	82.1	78.1	57.6	69.6
15°	169.9	168.6	168.2	169.0	149.7	99.0	138.5	130.4	132.0	112.7	133.6
17.5°	178.7	176.7	175.1	175.5	168.6	194.4	181.9	186.0	187.6	142.5	156.2
20°	276.9	276.9	256.0	194.0	212.9	243.9	201.2	221.0	244.7	212.9	218.6
22.5°	314.3	311.5	308.7	292.6	267.7	266.0	292.6	256.4	272.1	312.7	289.0
25°	427.4	428.2	359.0	337.7	373.9	326.0	349.4	347.3	328.8	379.1	366.3
27.5°	540.9	542.6	534.9	476.1	427.4	419.4	397.7	428.7	423.8	420.6	450.8
30°	646.8	646.4	611.8	587.2	561.1	514.4	490.2	496.7	516.0	498.3	562.3
32.5°	900.0	893.1	856.1	700.3	660.1	616.2	609.4	591.3	629.9	617.4	676.6
35°	1068.6	1067.0	999.8	912.0	784.9	736.2	737.0	703.2	734.9	751.0	760.3
37.5°	1445.3	1439.7	1337.5	1080.3	980.1	879.8	861.3	845.2	812.2	858.9	858.5
40°	1648.2	1632.1	1541.9	1372.5	1150.7	1030.0	991.3	956.7	933.0	960.3	956.7
42.5°	1806.0	1793.5	1729.9	1554.4	1373.3	1279.5	1135.4	1102.4	1054.5	1087.1	1070.2
45°	1919.1	1912.6	1855.9	1725.5	1586.6	1517.8	1298.0	1246.5	1205.1	1200.6	1190.6
47.5°	1940.8	1927.1	1910.2	1837.0	1777.8	1757.3	1499.3	1410.3	1341.9	1329.0	1312.1
50°	1838.2	1834.1	1856.3	1843.0	1915.0	1962.9	1731.5	1608.4	1512.6	1467.1	1434.5
52.5°	1600.3	1608.8	1693.7	1752.8	1932.4	2106.2	1949.7	1830.5	1699.7	1599.5	1555.6
55°	1271.5	1302.1	1428.0	1551.2	1824.1	2168.2	2156.5	2062.8	1894.1	1747.6	1682.8
57.5°	976.4	973.2	1135.4	1247.3	1604.3	2126.8	2291.0	2264.4	2098.6	1901.4	1804.4
60°	632.7	629.9	821.5	964.8	1236.4	1914.2	2360.6	2430.2	2290.6	2034.2	1913.8
62.5°	413.0	430.3	503.1	706.8	883.1	1480.4	2337.3	2533.3	2473.3	2157.3	2018.9
65°	265.6	272.1	303.9	440.3	612.2	965.6	2148.1	2518.0	2575.9	2239.5	2066.8
67.5°	198.0	199.6	214.9	273.7	416.6	504.7	1686.0	2305.5	2506.3	2245.1	2051.1
70°	173.9	177.1	192.0	206.5	309.9	317.6	985.7	1853.5	2227.0	2164.2	1971.8
72.5°	148.5	151.7	171.5	192.4	237.1	238.3	368.7	1231.6	1743.6	2000.0	1844.6
75°	121.1	123.2	140.5	168.6	197.6	191.2	213.3	556.6	1116.1	1662.3	1645.4
77.5°	97.8	99.4	111.9	134.4	175.1	146.5	159.0	238.7	554.6	1200.2	1333.0
80°	70.8	71.6	83.7	103.0	131.6	130.8	118.7	151.3	229.0	701.1	882.7
82.5°	45.1	45.1	57.6	67.6	87.3	129.2	83.3	101.8	128.0	349.0	424.6
85°	25.4	26.2	36.2	39.4	51.1	78.5	60.0	56.3	69.2	126.4	104.6
87.5°	4.8	6.0	10.5	11.3	13.3	18.5	21.7	19.7	20.5	29.4	17.3
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: P415260

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2U

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.8	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.2	1.2
5°	0.8	1.2	1.6	1.6	2.0	2.8	3.2	3.2	3.6	4.0	3.6
7.5°	0.8	1.2	1.6	2.4	3.2	6.4	23.3	82.5	88.5	89.8	91.4
10°	3.6	3.6	4.0	4.4	18.1	86.5	93.0	93.8	94.6	95.0	95.4
12.5°	70.8	70.0	69.6	53.5	82.5	95.4	96.6	97.4	98.6	117.5	127.2
15°	135.2	135.6	128.8	123.6	143.7	104.6	111.5	172.3	178.3	180.3	181.5
17.5°	155.0	161.8	143.7	190.8	189.2	159.4	175.5	184.7	185.5	186.8	187.2
20°	220.2	218.6	209.3	239.1	204.9	262.0	217.3	187.2	235.5	259.2	259.6
22.5°	285.8	286.2	272.9	276.1	294.6	269.7	217.7	247.1	253.2	252.8	251.6
25°	368.3	365.1	358.6	307.1	347.8	293.4	289.8	239.5	240.3	259.6	272.1
27.5°	450.4	442.3	417.0	398.1	361.0	326.4	273.7	259.2	279.3	278.1	278.5
30°	563.9	551.4	481.4	479.0	383.2	323.2	278.5	258.0	251.2	252.8	252.0
32.5°	677.4	654.9	591.7	571.1	408.5	301.1	255.6	238.3	258.0	260.8	259.2
35°	747.4	728.9	707.2	625.5	411.3	277.3	231.4	235.5	234.2	233.0	233.8
37.5°	829.1	798.9	780.0	644.0	388.0	247.5	220.6	217.3	236.7	237.1	235.5
40°	920.5	886.3	844.0	635.5	334.9	224.2	204.9	215.3	216.5	211.7	210.5
42.5°	1023.5	973.6	910.8	624.3	277.7	210.5	198.8	200.0	200.8	195.6	193.6
45°	1127.4	1069.0	968.0	592.9	236.3	196.8	189.6	189.2	185.1	180.3	179.1
47.5°	1243.7	1175.3	1015.1	538.1	206.9	186.4	183.5	175.9	177.1	172.7	172.3
50°	1363.6	1290.0	1042.0	472.5	187.6	177.5	172.7	170.3	173.5	168.2	167.4
52.5°	1481.2	1419.6	1084.7	413.8	171.1	169.9	167.8	168.6	169.9	164.2	163.8
55°	1608.8	1564.5	1123.8	357.8	156.6	159.4	166.2	165.8	165.4	160.2	160.2
57.5°	1725.9	1704.1	1163.6	314.7	145.3	150.1	162.6	162.6	160.6	156.2	155.8
60°	1861.9	1845.8	1201.4	276.1	135.6	141.7	158.2	158.6	155.0	151.7	150.9
62.5°	1985.5	1973.4	1231.6	235.5	125.2	134.4	151.7	154.6	149.3	146.9	146.9
65°	2072.4	2064.0	1248.1	185.1	115.1	127.2	144.9	148.9	142.1	141.7	141.7
67.5°	2080.1	2074.8	1213.9	154.6	107.9	120.3	136.4	140.5	134.4	135.6	133.2
70°	2008.8	1970.6	1116.9	128.8	100.6	111.5	126.4	131.2	125.2	125.6	121.6
72.5°	1858.3	1748.0	945.4	109.5	92.6	101.8	115.5	119.9	114.3	113.1	108.7
75°	1605.1	1434.9	658.1	95.0	84.1	91.4	102.2	106.7	103.0	97.0	95.8
77.5°	1243.3	1051.7	403.3	82.1	76.5	80.5	88.5	91.0	87.3	80.1	78.9
80°	783.6	630.7	194.4	71.2	66.4	68.4	73.7	75.7	72.9	65.6	61.6
82.5°	359.0	272.5	102.6	57.6	53.9	53.9	59.2	57.6	55.1	48.3	39.0
85°	83.7	86.1	47.5	35.4	34.2	30.6	35.4	35.0	31.4	24.1	20.1
87.5°	13.7	15.3	12.1	10.9	8.9	6.8	7.6	6.4	5.6	2.8	1.2
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)