

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: P414688

Luminaire Tested: **LXF.LXT-PA1-30-740-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414688
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-PA1-30-740-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 3926 lumens
Efficiency: N/A
Efficacy: 126.6 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 (A_{in}): 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

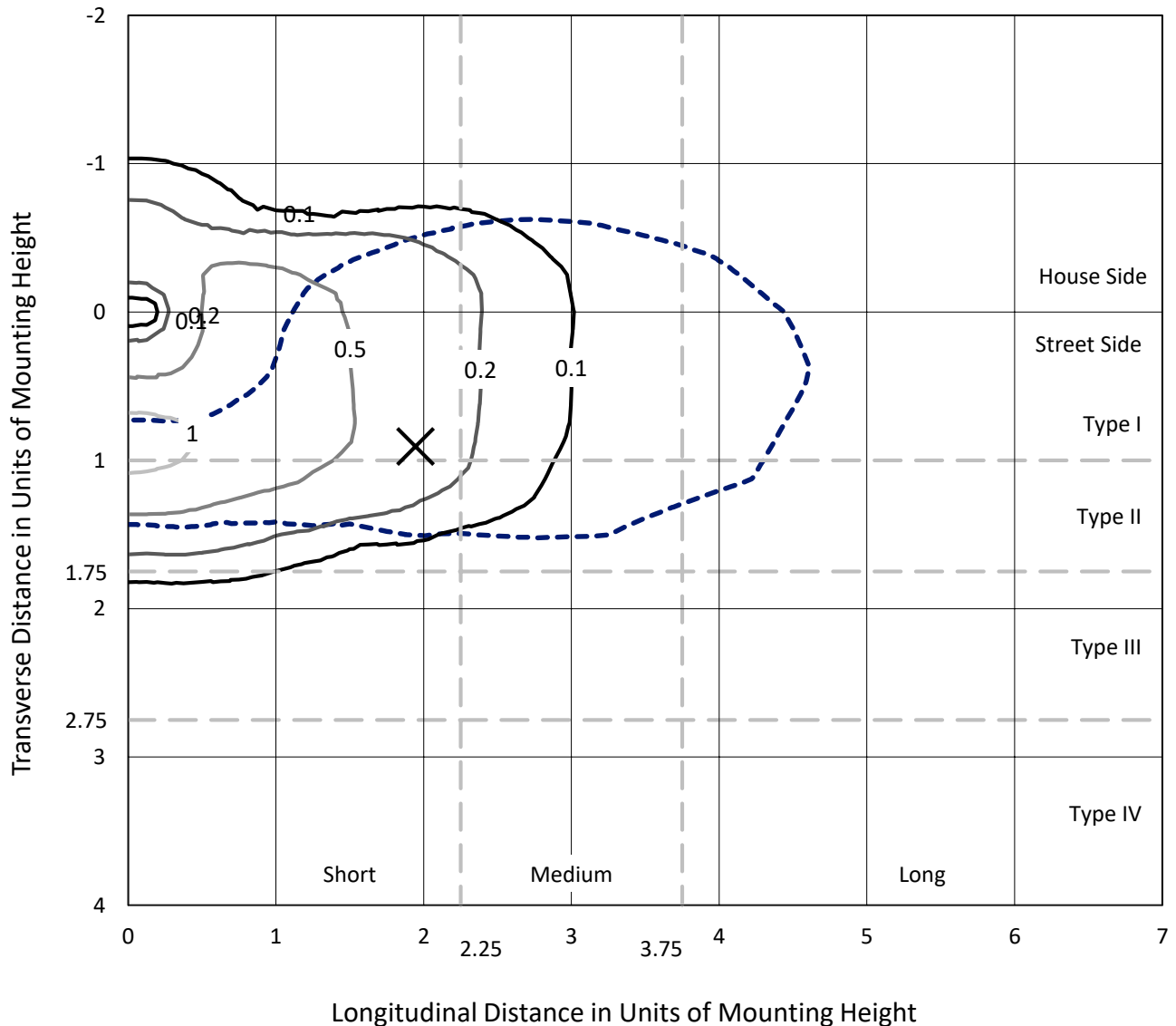


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Iso-Footcandle Lines of Horizontal Illumination

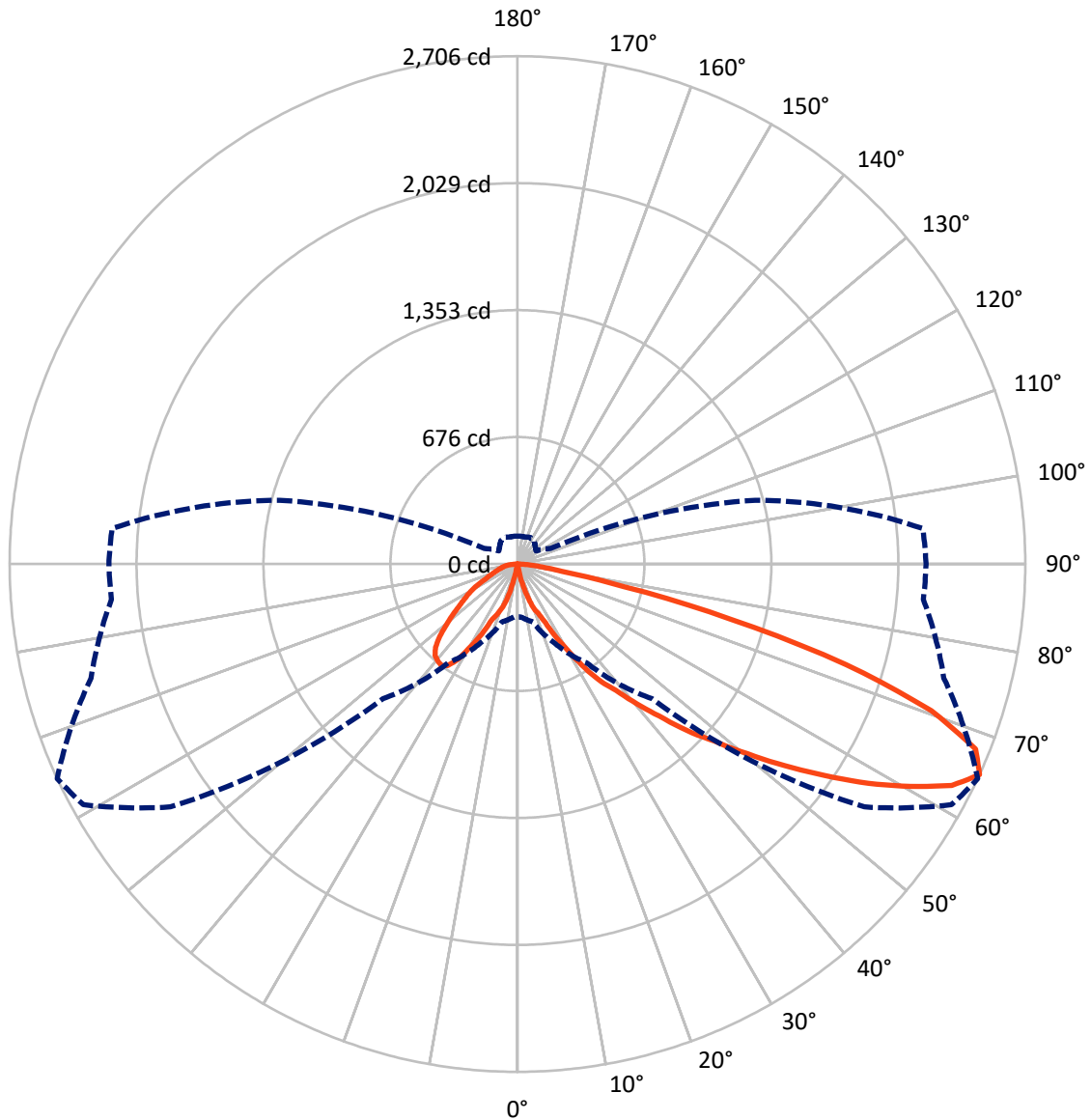
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.4	0.0	1059.4
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	2866.6	0.0	2866.6
	% Fixture	73.0	0.0	73.0
Total	Lumens	3926.0	0.0	3926.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	43.4	1.1
20°-30°	167.0	4.3
30°-40°	417.9	10.6
40°-50°	778.1	19.8
50°-60°	1018.9	26.0
60°-70°	913.4	23.3
70°-80°	502.4	12.8
80°-90°	82.1	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°	3926.0	100.0
0°-180°	3926.0	100.0



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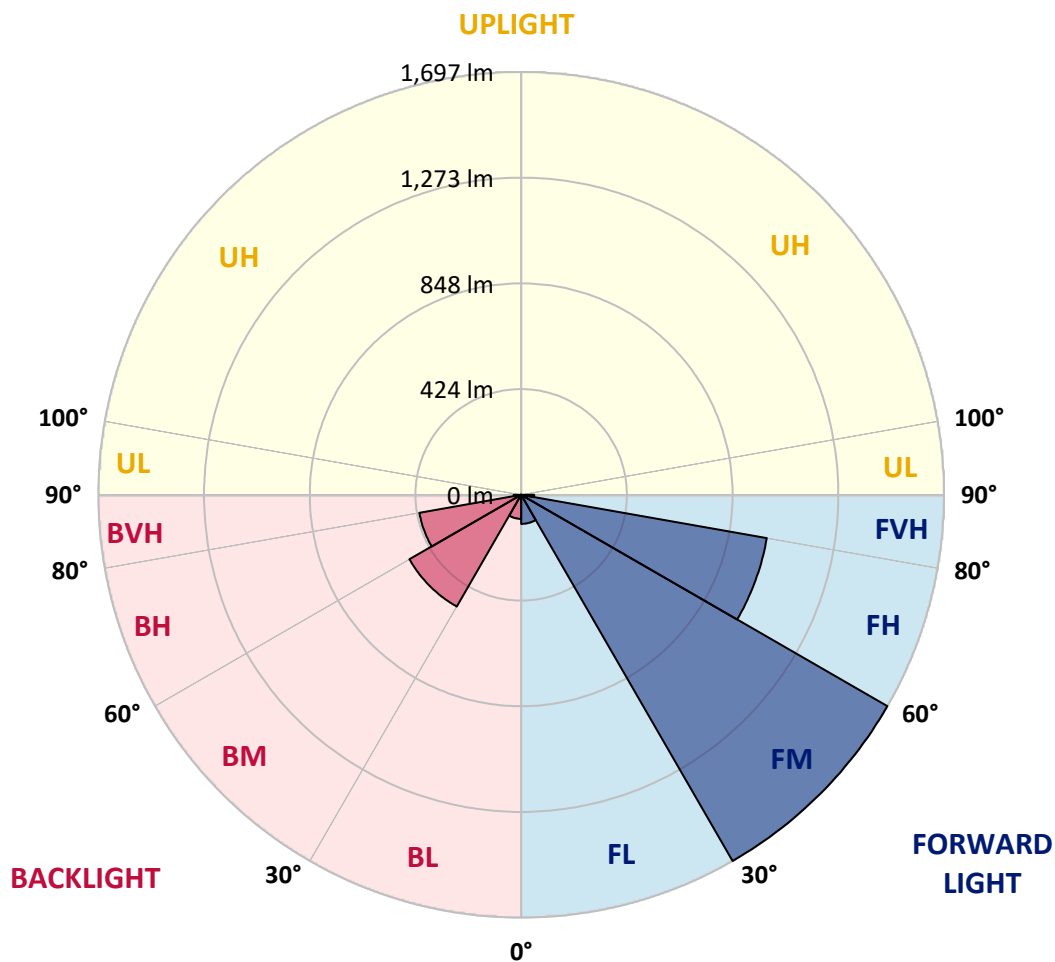
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.7	3.0			
FM (30°-60°)	1696.9	43.2			
FH (60°-80°)	1001.0	25.5			G1/1800
FVH (80°-90°)	52.1	1.3			G1/100
BL (0°-30°)	96.5	2.5	B0/110		
BM (30°-60°)	518.0	13.2	B1/1000		
BH (60°-80°)	414.9	10.6	B1/500		G1/500
BVH (80°-90°)	30.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.1	2.1	2.5	3.0	3.0	2.5	2.1	1.7	1.3	0.8	0.8
5°	19.4	17.3	13.5	9.3	5.5	4.2	3.4	2.5	2.1	1.3	0.8
7.5°	95.1	94.7	94.3	94.7	92.6	36.4	6.8	4.2	3.4	1.7	1.3
10°	95.5	95.1	94.7	95.5	95.5	94.3	89.6	13.1	6.8	4.2	4.2
12.5°	169.9	164.0	113.3	99.8	96.4	96.4	96.4	86.2	82.0	60.5	73.1
15°	178.4	177.1	176.7	177.5	157.3	104.0	145.4	137.0	138.7	118.4	140.3
17.5°	187.7	185.6	183.9	184.3	177.1	204.2	191.1	195.3	197.0	149.6	164.0
20°	290.8	290.8	268.9	203.8	223.6	256.2	211.4	232.1	257.0	223.6	229.5
22.5°	330.2	327.2	324.2	307.3	281.1	279.4	307.3	269.3	285.8	328.5	303.5
25°	448.9	449.8	377.1	354.7	392.7	342.4	366.9	364.8	345.4	398.2	384.7
27.5°	568.2	569.8	561.8	500.1	448.9	440.5	417.7	450.2	445.1	441.8	473.5
30°	679.3	678.9	642.6	616.8	589.3	540.3	514.9	521.7	541.9	523.3	590.6
32.5°	945.2	938.0	899.2	735.6	693.3	647.2	640.0	621.0	661.6	648.5	710.6
35°	1122.4	1120.7	1050.1	957.9	824.3	773.2	774.0	738.5	771.9	788.8	798.5
37.5°	1518.0	1512.1	1404.7	1134.6	1029.4	924.1	904.6	887.7	853.1	902.1	901.7
40°	1731.1	1714.2	1619.5	1441.5	1208.6	1081.8	1041.2	1004.8	979.9	1008.6	1004.8
42.5°	1896.8	1883.7	1816.9	1632.6	1442.4	1343.9	1192.5	1157.9	1107.6	1141.8	1124.0
45°	2015.6	2008.8	1949.2	1812.3	1666.4	1594.1	1363.3	1309.2	1265.7	1261.0	1250.4
47.5°	2038.4	2024.0	2006.3	1929.4	1867.2	1845.7	1574.7	1481.3	1409.4	1395.9	1378.1
50°	1930.6	1926.4	1949.6	1935.7	2011.4	2061.7	1818.6	1689.2	1588.6	1540.9	1506.6
52.5°	1680.8	1689.7	1778.9	1841.0	2029.5	2212.2	2047.7	1922.6	1785.2	1679.9	1633.9
55°	1335.4	1367.5	1499.9	1629.2	1915.8	2277.3	2265.0	2166.5	1989.4	1835.5	1767.4
57.5°	1025.6	1022.2	1192.5	1310.0	1685.0	2233.7	2406.2	2378.3	2204.1	1997.0	1895.1
60°	664.5	661.6	862.8	1013.3	1298.6	2010.5	2479.3	2552.5	2405.8	2136.5	2010.1
62.5°	433.7	451.9	528.4	742.3	927.5	1554.8	2454.8	2660.7	2597.7	2265.8	2120.4
65°	279.0	285.8	319.2	462.5	643.0	1014.1	2256.1	2644.6	2705.5	2352.1	2170.7
67.5°	208.0	209.7	225.7	287.5	437.5	530.1	1770.8	2421.4	2632.4	2358.0	2154.2
70°	182.6	186.0	201.6	216.9	325.5	333.5	1035.3	1946.7	2339.0	2273.0	2071.0
72.5°	156.0	159.4	180.1	202.1	249.0	250.3	387.2	1293.6	1831.3	2100.6	1937.4
75°	127.2	129.4	147.5	177.1	207.6	200.8	224.0	584.6	1172.2	1745.9	1728.1
77.5°	102.7	104.4	117.5	141.2	183.9	153.9	167.0	250.7	582.5	1260.6	1400.1
80°	74.4	75.2	87.9	108.2	138.2	137.4	124.7	158.9	240.5	736.4	927.1
82.5°	47.3	47.3	60.5	71.0	91.7	135.7	87.5	107.0	134.4	366.5	446.0
85°	26.6	27.5	38.0	41.4	53.7	82.4	63.0	59.2	72.7	132.7	109.9
87.5°	5.1	6.3	11.0	11.8	14.0	19.4	22.8	20.7	21.6	30.9	18.2
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.8	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.3	1.3
5°	0.8	1.3	1.7	1.7	2.1	3.0	3.4	3.4	3.8	4.2	3.8
7.5°	0.8	1.3	1.7	2.5	3.4	6.8	24.5	86.7	93.0	94.3	96.0
10°	3.8	3.8	4.2	4.7	19.0	90.9	97.7	98.5	99.3	99.8	100.2
12.5°	74.4	73.6	73.1	56.2	86.7	100.2	101.5	102.3	103.6	123.4	133.6
15°	142.0	142.5	135.3	129.8	150.9	109.9	117.1	180.9	187.3	189.4	190.7
17.5°	162.8	169.9	150.9	200.4	198.7	167.4	184.3	194.0	194.9	196.1	196.6
20°	231.2	229.5	219.8	251.1	215.2	275.2	228.3	196.6	247.3	272.2	272.7
22.5°	300.1	300.6	286.6	290.0	309.4	283.2	228.7	259.6	265.9	265.5	264.2
25°	386.8	383.4	376.7	322.5	365.2	308.2	304.4	251.5	252.4	272.7	285.8
27.5°	473.0	464.6	438.0	418.1	379.2	342.8	287.5	272.2	293.4	292.1	292.5
30°	592.2	579.1	505.6	503.1	402.4	339.5	292.5	271.0	263.8	265.5	264.6
32.5°	711.5	687.8	621.4	599.9	429.1	316.2	268.4	250.3	271.0	273.9	272.2
35°	785.0	765.6	742.7	656.9	432.0	291.3	243.1	247.3	246.0	244.8	245.6
37.5°	870.8	839.1	819.3	676.4	407.5	260.0	231.7	228.3	248.6	249.0	247.3
40°	966.8	930.9	886.5	667.5	351.7	235.5	215.2	226.2	227.4	222.4	221.1
42.5°	1075.0	1022.6	956.6	655.7	291.7	221.1	208.8	210.1	210.9	205.4	203.3
45°	1184.1	1122.8	1016.7	622.7	248.1	206.7	199.1	198.7	194.5	189.4	188.1
47.5°	1306.2	1234.4	1066.1	565.2	217.3	195.7	192.8	184.7	186.0	181.4	180.9
50°	1432.2	1354.9	1094.5	496.3	197.0	186.4	181.4	178.8	182.2	176.7	175.9
52.5°	1555.7	1491.0	1139.3	434.6	179.7	178.4	176.3	177.1	178.4	172.5	172.1
55°	1689.7	1643.2	1180.3	375.8	164.4	167.4	174.6	174.2	173.7	168.2	168.2
57.5°	1812.7	1789.9	1222.1	330.6	152.6	157.7	170.8	170.8	168.7	164.0	163.6
60°	1955.6	1938.7	1261.9	290.0	142.5	148.8	166.1	166.6	162.8	159.4	158.5
62.5°	2085.3	2072.7	1293.6	247.3	131.5	141.2	159.4	162.3	156.8	154.3	154.3
65°	2176.7	2167.8	1310.9	194.5	120.9	133.6	152.2	156.4	149.2	148.8	148.8
67.5°	2184.7	2179.2	1275.0	162.3	113.3	126.4	143.3	147.5	141.2	142.5	139.9
70°	2109.9	2069.7	1173.1	135.3	105.7	117.1	132.7	137.8	131.5	131.9	127.7
72.5°	1951.8	1835.9	993.0	115.0	97.2	107.0	121.3	126.0	120.1	118.8	114.1
75°	1685.9	1507.0	691.2	99.8	88.4	96.0	107.4	112.0	108.2	101.9	100.6
77.5°	1305.8	1104.6	423.6	86.2	80.3	84.5	93.0	95.5	91.7	84.1	82.9
80°	823.1	662.4	204.2	74.8	69.8	71.9	77.4	79.5	76.5	68.9	64.7
82.5°	377.1	286.2	107.8	60.5	56.6	56.6	62.1	60.5	57.9	50.7	41.0
85°	87.9	90.5	49.9	37.2	35.9	32.1	37.2	36.8	33.0	25.4	21.1
87.5°	14.4	16.1	12.7	11.4	9.3	7.2	8.0	6.8	5.9	3.0	1.3
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)