

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: P414220

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414220  
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-PA1-20-730-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2549 lumens  
Efficiency: N/A  
Efficacy: 121.4 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

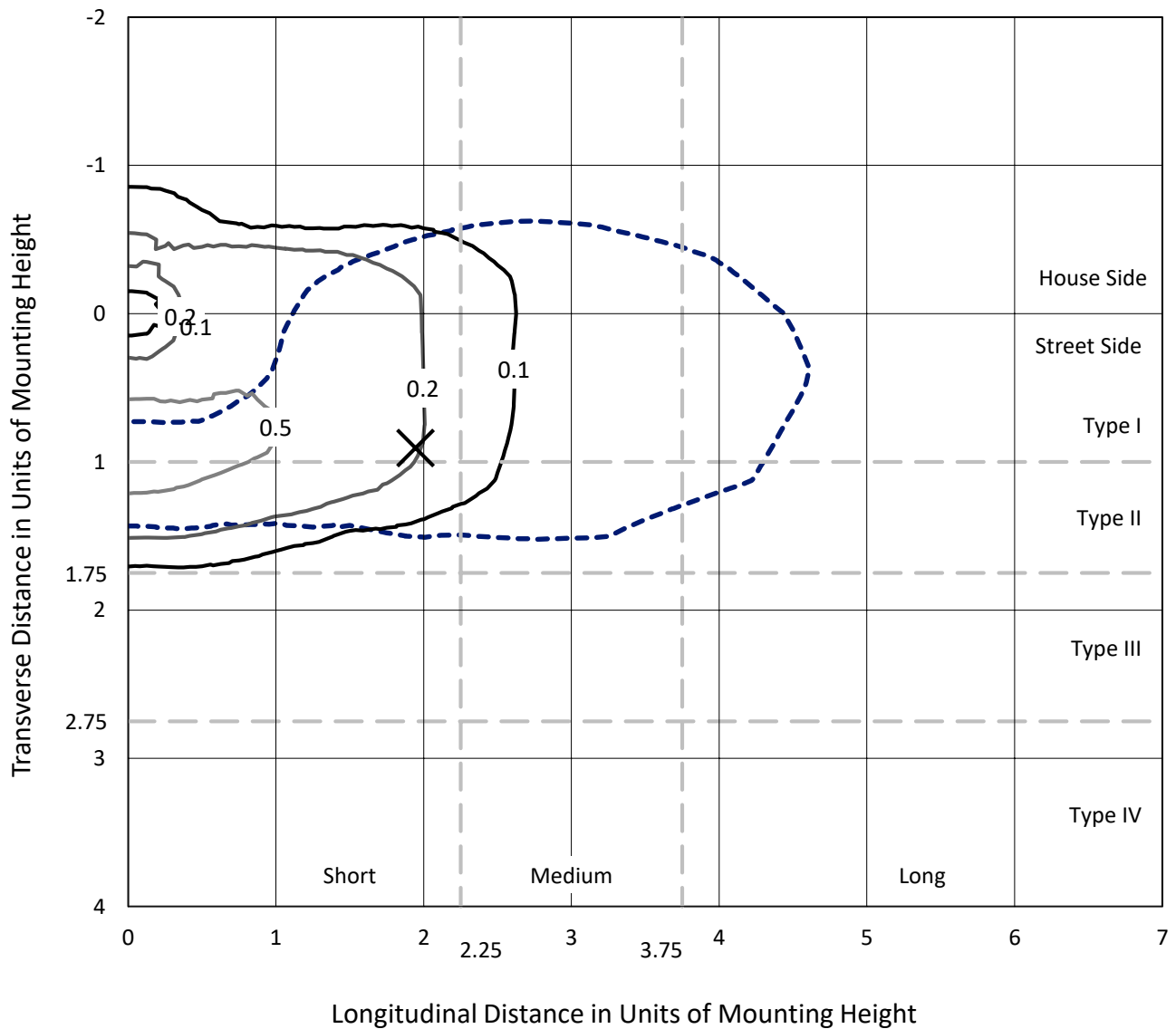
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

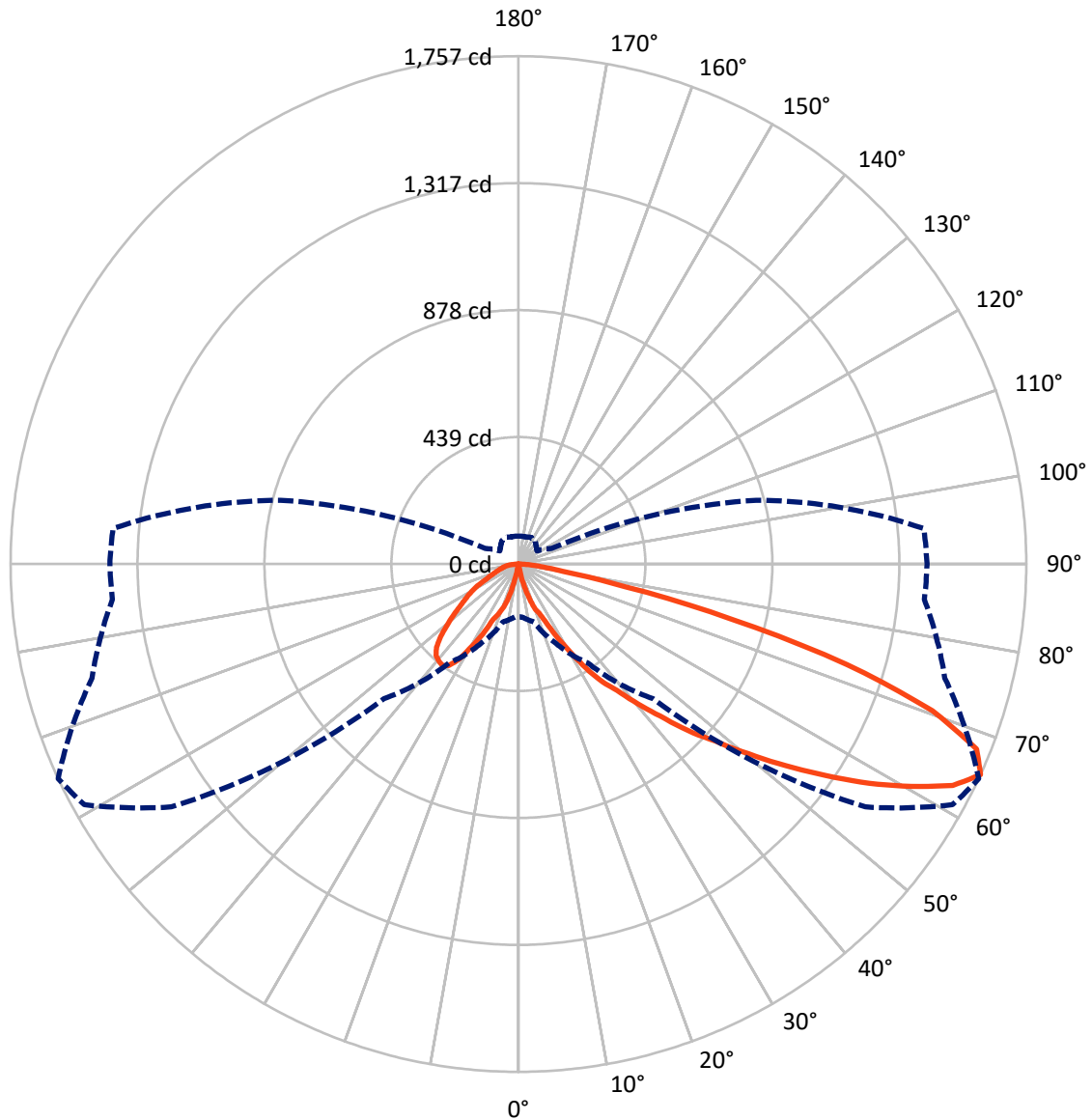
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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
<b>House Side</b>	Lumens	687.8	0.0	687.8
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	1861.2	0.0	1861.2
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	2549.0	0.0	2549.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	28.2	1.1
20°-30°	108.4	4.3
30°-40°	271.3	10.6
40°-50°	505.2	19.8
50°-60°	661.5	26.0
60°-70°	593.0	23.3
70°-80°	326.2	12.8
80°-90°	53.3	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°	2549.0	100.0
0°-180°	2549.0	100.0



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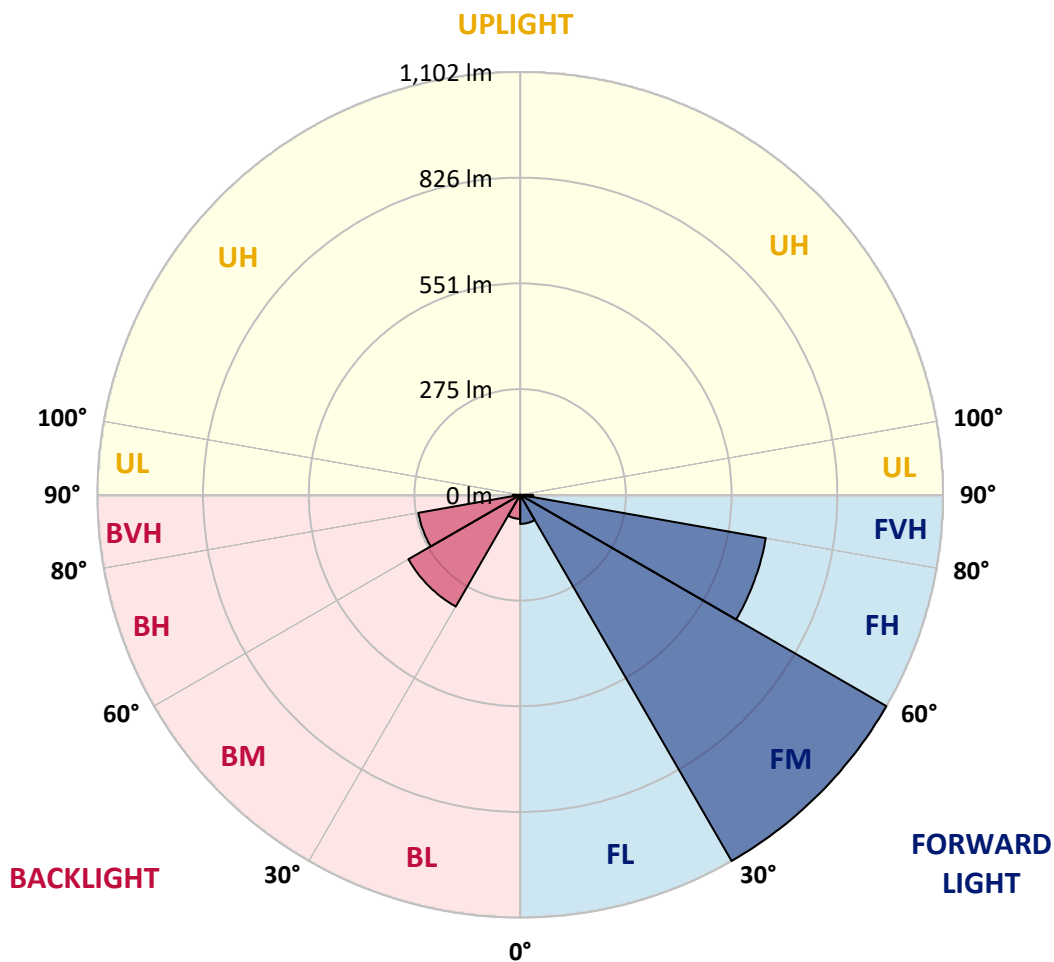
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.8	3.0			
FM	(30°-60°)	1101.7	43.2			
FH	(60°-80°)	649.9	25.5			G0/660
FVH	(80°-90°)	33.8	1.3			G1/100
BL	(0°-30°)	62.7	2.5	B0/110		
BM	(30°-60°)	336.3	13.2	B1/1000		
BH	(60°-80°)	269.3	10.6	B1/500		G1/500
BVH	(80°-90°)	19.5	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.4	1.4	1.6	1.9	1.9	1.6	1.4	1.1	0.8	0.5	0.5
5°	12.6	11.3	8.8	6.0	3.6	2.7	2.2	1.6	1.4	0.8	0.5
7.5°	61.8	61.5	61.2	61.5	60.1	23.6	4.4	2.7	2.2	1.1	0.8
10°	62.0	61.8	61.5	62.0	62.0	61.2	58.2	8.5	4.4	2.7	2.7
12.5°	110.3	106.5	73.6	64.8	62.6	62.6	62.6	56.0	53.2	39.2	47.5
15°	115.8	115.0	114.7	115.3	102.1	67.5	94.4	88.9	90.0	76.8	91.1
17.5°	121.9	120.5	119.4	119.7	115.0	132.6	124.1	126.8	127.9	97.2	106.5
20°	188.8	188.8	174.6	132.3	145.2	166.3	137.2	150.7	166.9	145.2	149.0
22.5°	214.4	212.4	210.5	199.5	182.5	181.4	199.5	174.8	185.5	213.3	197.1
25°	291.5	292.0	244.8	230.3	255.0	222.3	238.2	236.9	224.2	258.5	249.8
27.5°	368.9	370.0	364.8	324.7	291.5	286.0	271.2	292.3	289.0	286.8	307.4
30°	441.1	440.8	417.2	400.4	382.6	350.8	334.3	338.7	351.9	339.8	383.4
32.5°	613.7	609.0	583.8	477.6	450.1	420.2	415.5	403.2	429.5	421.0	461.4
35°	728.7	727.6	681.8	621.9	535.2	502.0	502.5	479.5	501.2	512.2	518.5
37.5°	985.6	981.8	912.0	736.7	668.3	600.0	587.4	576.4	553.9	585.7	585.4
40°	1123.9	1113.0	1051.5	935.9	784.7	702.4	676.0	652.4	636.2	654.9	652.4
42.5°	1231.5	1223.0	1179.6	1060.0	936.5	872.5	774.3	751.8	719.1	741.3	729.8
45°	1308.6	1304.3	1265.6	1176.6	1081.9	1035.0	885.1	850.0	821.7	818.7	811.9
47.5°	1323.5	1314.1	1302.6	1252.7	1212.3	1198.3	1022.4	961.7	915.1	906.3	894.8
50°	1253.5	1250.7	1265.8	1256.8	1305.9	1338.6	1180.7	1096.8	1031.4	1000.4	978.2
52.5°	1091.3	1097.0	1154.9	1195.3	1317.7	1436.3	1329.5	1248.3	1159.1	1090.7	1060.8
55°	867.0	887.9	973.8	1057.8	1243.9	1478.5	1470.6	1406.6	1291.6	1191.7	1147.5
57.5°	665.9	663.7	774.3	850.6	1094.0	1450.3	1562.3	1544.1	1431.1	1296.6	1230.4
60°	431.5	429.5	560.2	657.9	843.2	1305.4	1609.7	1657.2	1562.0	1387.1	1305.1
62.5°	281.6	293.4	343.1	482.0	602.2	1009.5	1593.8	1727.5	1686.6	1471.1	1376.7
65°	181.1	185.5	207.2	300.3	417.5	658.4	1464.8	1717.0	1756.6	1527.1	1409.4
67.5°	135.0	136.1	146.6	186.6	284.1	344.2	1149.7	1572.1	1709.1	1531.0	1398.7
70°	118.6	120.8	130.9	140.8	211.3	216.6	672.2	1263.9	1518.6	1475.8	1344.6
72.5°	101.3	103.5	116.9	131.2	161.7	162.5	251.4	839.9	1189.0	1363.8	1257.9
75°	82.6	84.0	95.8	115.0	134.8	130.4	145.5	379.6	761.1	1133.5	1122.0
77.5°	66.7	67.8	76.3	91.7	119.4	99.9	108.4	162.8	378.2	818.5	909.0
80°	48.3	48.9	57.1	70.3	89.7	89.2	81.0	103.2	156.2	478.1	601.9
82.5°	30.7	30.7	39.2	46.1	59.6	88.1	56.8	69.4	87.3	238.0	289.6
85°	17.3	17.8	24.7	26.9	34.9	53.5	40.9	38.4	47.2	86.2	71.4
87.5°	3.3	4.1	7.1	7.7	9.1	12.6	14.8	13.4	14.0	20.0	11.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.5	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.8
5°	0.5	0.8	1.1	1.1	1.4	1.9	2.2	2.2	2.5	2.7	2.5
7.5°	0.5	0.8	1.1	1.6	2.2	4.4	15.9	56.3	60.4	61.2	62.3
10°	2.5	2.5	2.7	3.0	12.4	59.0	63.4	64.0	64.5	64.8	65.0
12.5°	48.3	47.8	47.5	36.5	56.3	65.0	65.9	66.4	67.2	80.1	86.7
15°	92.2	92.5	87.8	84.3	98.0	71.4	76.0	117.5	121.6	123.0	123.8
17.5°	105.7	110.3	98.0	130.1	129.0	108.7	119.7	126.0	126.5	127.4	127.6
20°	150.1	149.0	142.7	163.0	139.7	178.7	148.2	127.6	160.6	176.8	177.0
22.5°	194.9	195.1	186.1	188.3	200.9	183.9	148.5	168.5	172.6	172.4	171.5
25°	251.1	248.9	244.5	209.4	237.1	200.1	197.6	163.3	163.9	177.0	185.5
27.5°	307.1	301.6	284.3	271.4	246.2	222.6	186.6	176.8	190.5	189.7	189.9
30°	384.5	376.0	328.3	326.6	261.3	220.4	189.9	175.9	171.3	172.4	171.8
32.5°	461.9	446.6	403.5	389.5	278.6	205.3	174.3	162.5	175.9	177.9	176.8
35°	509.7	497.1	482.2	426.5	280.5	189.1	157.8	160.6	159.7	158.9	159.5
37.5°	565.4	544.8	531.9	439.1	264.6	168.8	150.4	148.2	161.4	161.7	160.6
40°	627.7	604.4	575.6	433.4	228.4	152.9	139.7	146.8	147.7	144.4	143.5
42.5°	698.0	663.9	621.1	425.7	189.4	143.5	135.6	136.4	137.0	133.4	132.0
45°	768.8	729.0	660.1	404.3	161.1	134.2	129.3	129.0	126.3	123.0	122.1
47.5°	848.1	801.4	692.2	367.0	141.1	127.1	125.2	119.9	120.8	117.7	117.5
50°	929.9	879.7	710.6	322.2	127.9	121.0	117.7	116.1	118.3	114.7	114.2
52.5°	1010.0	968.0	739.7	282.1	116.6	115.8	114.5	115.0	115.8	112.0	111.7
55°	1097.0	1066.8	766.3	244.0	106.8	108.7	113.4	113.1	112.8	109.2	109.2
57.5°	1176.9	1162.1	793.5	214.6	99.1	102.4	110.9	110.9	109.5	106.5	106.2
60°	1269.7	1258.7	819.3	188.3	92.5	96.6	107.9	108.1	105.7	103.5	102.9
62.5°	1353.9	1345.7	839.9	160.6	85.4	91.7	103.5	105.4	101.8	100.2	100.2
65°	1413.2	1407.5	851.1	126.3	78.5	86.7	98.8	101.6	96.9	96.6	96.6
67.5°	1418.4	1414.9	827.8	105.4	73.6	82.1	93.0	95.8	91.7	92.5	90.8
70°	1369.9	1343.8	761.6	87.8	68.6	76.0	86.2	89.5	85.4	85.6	82.9
72.5°	1267.2	1192.0	644.7	74.7	63.1	69.4	78.8	81.8	77.9	77.1	74.1
75°	1094.6	978.5	448.7	64.8	57.4	62.3	69.7	72.7	70.3	66.1	65.3
77.5°	847.8	717.2	275.0	56.0	52.1	54.9	60.4	62.0	59.6	54.6	53.8
80°	534.4	430.1	132.6	48.6	45.3	46.7	50.2	51.6	49.7	44.7	42.0
82.5°	244.8	185.8	70.0	39.2	36.8	36.8	40.3	39.2	37.6	32.9	26.6
85°	57.1	58.7	32.4	24.2	23.3	20.9	24.2	23.9	21.4	16.5	13.7
87.5°	9.3	10.4	8.2	7.4	6.0	4.7	5.2	4.4	3.8	1.9	0.8
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)