

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: P414437

Luminaire Tested: **LXF.LXT-PA1-20-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2058 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - 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

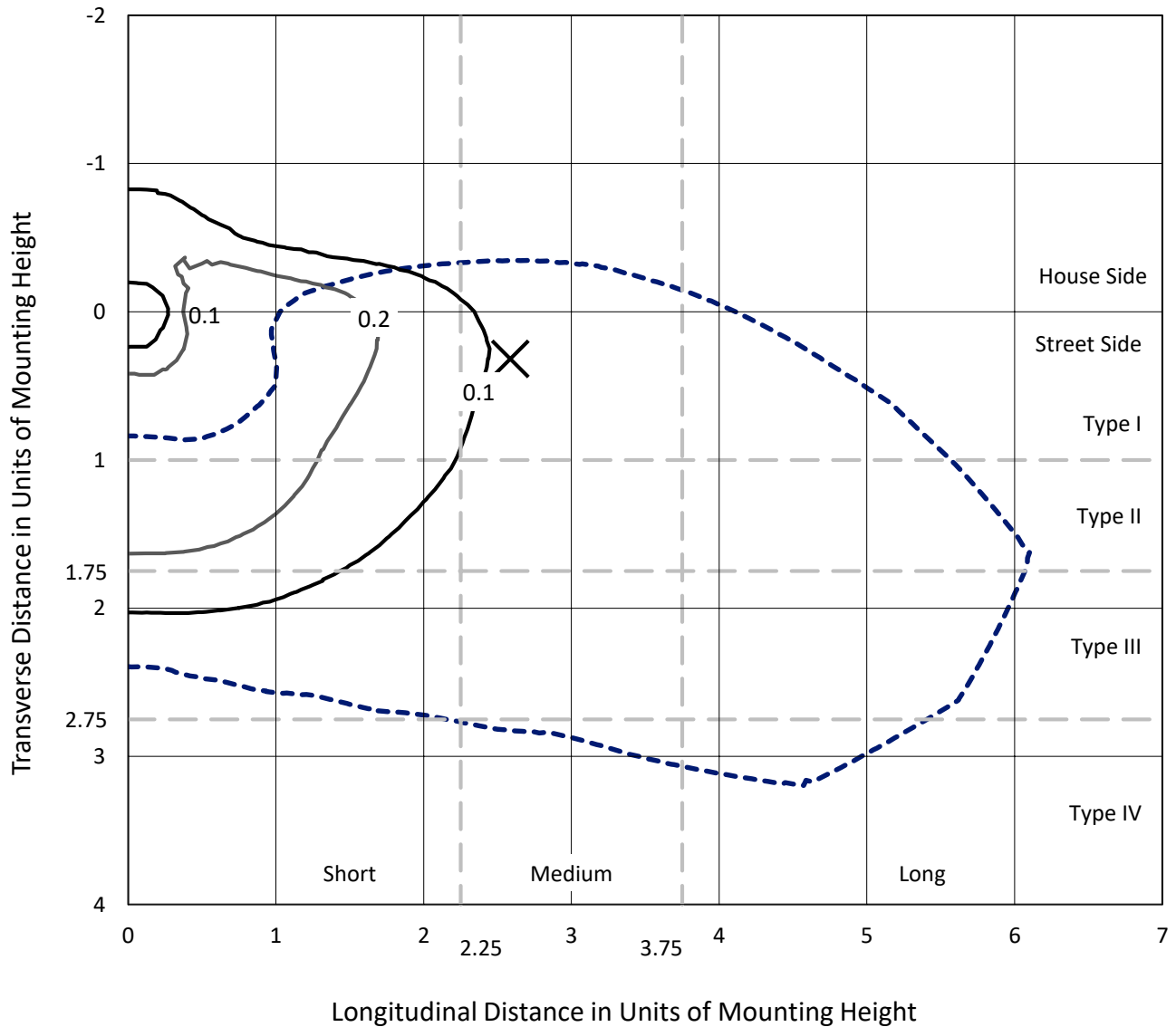


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

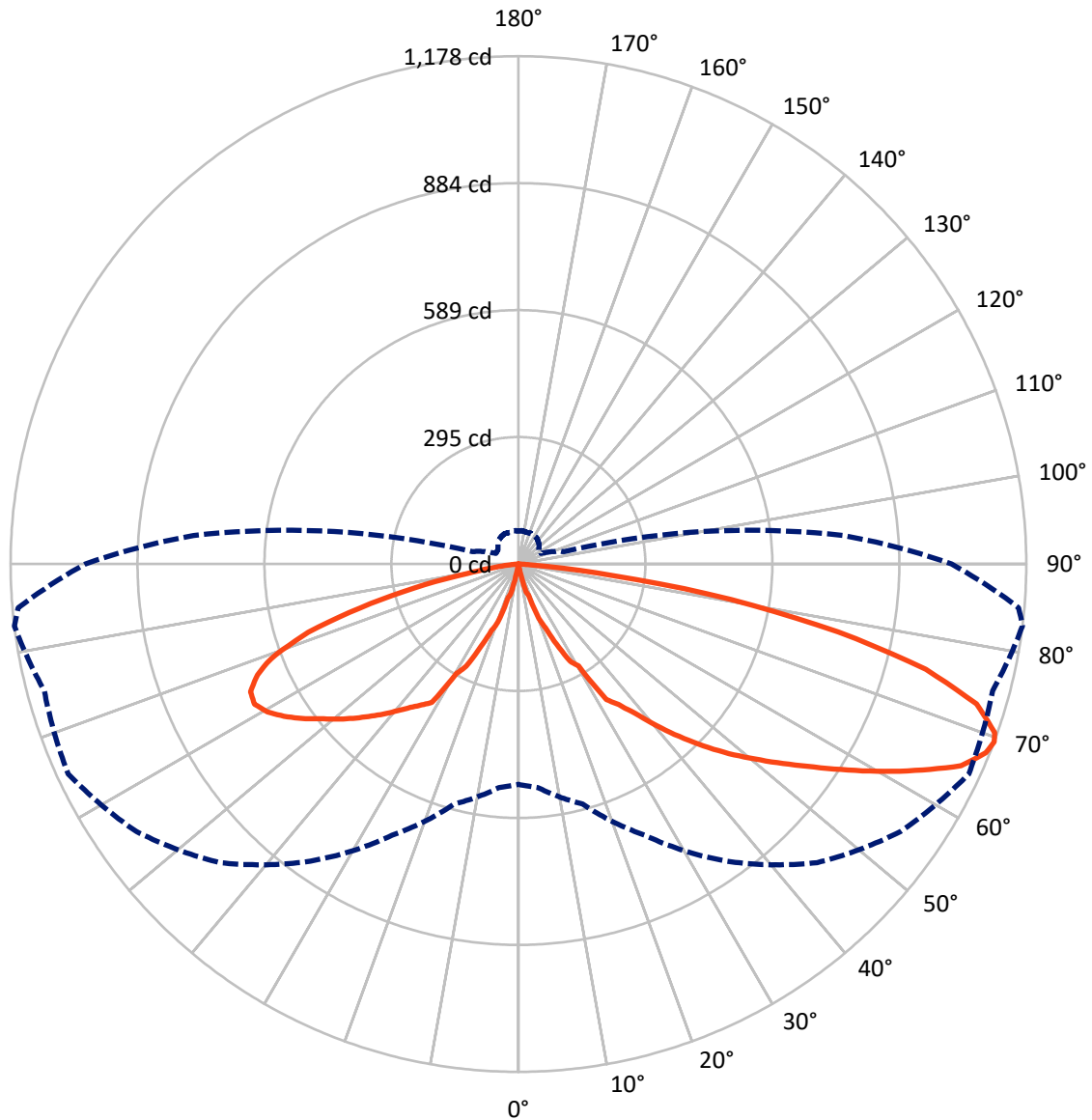


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.5	0.0	436.5
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	1621.5	0.0	1621.5
	% Fixture	78.8	0.0	78.8
Total	Lumens	2058.0	0.0	2058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	20.9	1.0
20°-30°	82.5	4.0
30°-40°	183.7	8.9
40°-50°	311.9	15.2
50°-60°	464.7	22.6
60°-70°	547.3	26.6
70°-80°	383.1	18.6
80°-90°	62.5	3.0
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°	2058.0	100.0
0°-180°	2058.0	100.0

Coefficient of Utilization



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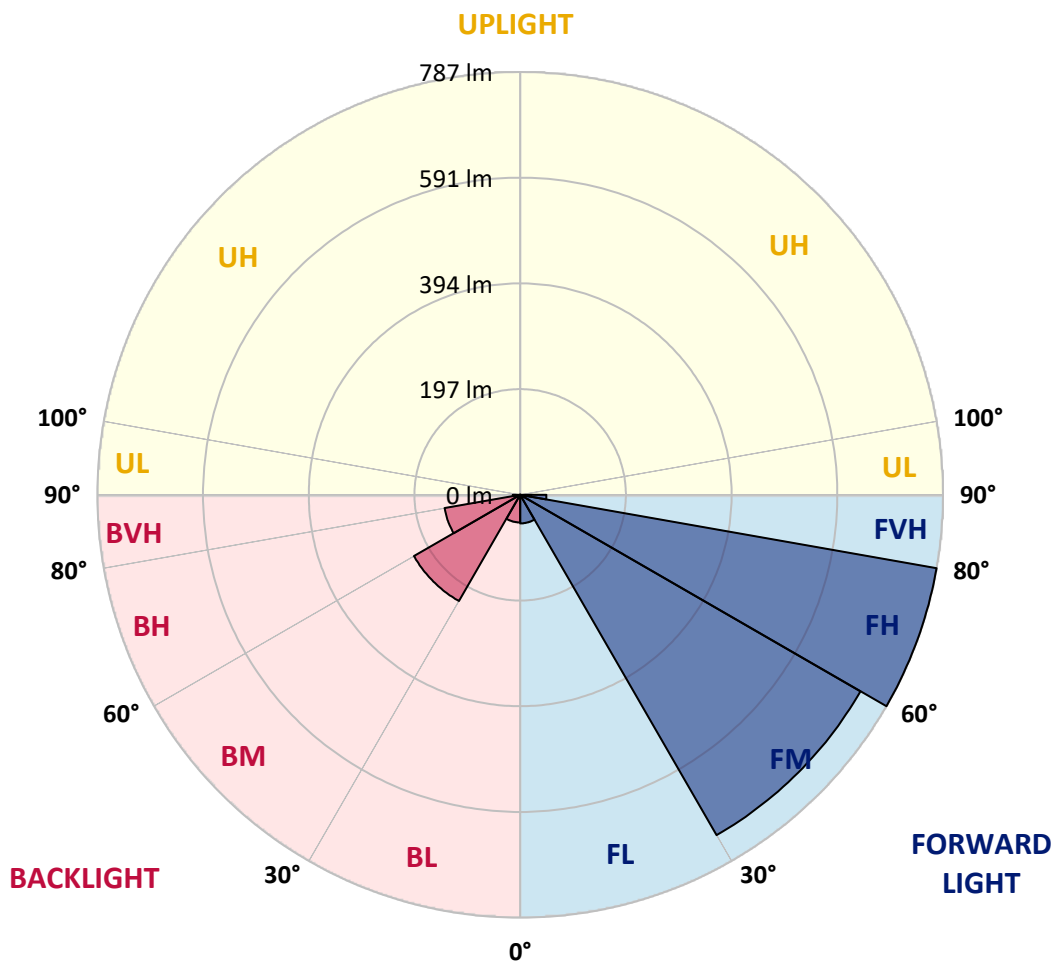
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.3	2.6			
FM	(30°-60°)	731.9	35.6			
FH	(60°-80°)	787.5	38.3			G1/1800
FVH	(80°-90°)	48.9	2.4			G1/100
BL	(0°-30°)	51.5	2.5	B0/110		
BM	(30°-60°)	228.4	11.1	B1/1000		
BH	(60°-80°)	143.0	6.9	B1/500		G1/500
BVH	(80°-90°)	13.7	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.1	0.9	1.1	1.3	1.3	1.1	0.9	0.9	0.9	0.9	0.7
5°	17.9	13.1	11.7	10.4	6.2	2.2	1.3	0.9	0.9	0.9	0.9
7.5°	37.9	37.9	37.9	38.1	37.9	28.1	6.6	1.6	0.9	0.9	0.9
10°	38.3	38.1	37.9	38.1	38.6	38.8	37.4	5.3	2.2	2.0	2.0
12.5°	69.3	68.9	66.5	46.5	39.4	39.7	40.5	29.2	10.6	28.1	32.8
15°	73.6	73.1	73.1	73.3	69.6	43.2	60.9	79.8	56.7	67.8	68.9
17.5°	82.4	80.0	78.0	76.7	77.1	86.0	86.4	88.2	66.0	76.0	77.3
20°	126.3	125.4	118.3	90.6	84.6	111.7	99.5	97.9	123.6	134.3	136.5
22.5°	144.2	143.3	138.2	133.4	139.1	121.6	141.6	146.0	167.5	161.1	163.1
25°	195.9	195.2	166.8	154.4	169.7	139.8	174.8	167.3	185.0	206.3	208.5
27.5°	239.7	238.2	232.4	208.3	189.4	209.6	193.4	223.5	251.2	254.8	261.4
30°	284.7	274.5	256.8	257.7	233.3	231.1	230.4	268.3	269.2	274.7	286.0
32.5°	358.3	353.6	338.8	292.9	287.6	256.8	283.6	286.0	351.6	374.6	376.9
35°	417.2	397.2	383.3	357.4	317.0	327.0	315.9	359.8	385.7	400.6	409.7
37.5°	511.1	513.8	491.0	396.6	371.3	359.8	379.1	402.8	435.1	438.7	452.4
40°	578.7	576.9	546.1	476.6	420.1	408.3	421.2	444.4	488.3	492.7	496.1
42.5°	677.1	668.4	625.4	547.2	495.0	470.1	473.7	483.4	527.3	547.0	543.0
45°	768.1	762.4	718.9	622.6	565.9	536.8	531.5	522.9	575.6	602.0	594.7
47.5°	839.5	829.3	804.5	706.3	662.7	613.3	586.7	570.9	623.5	657.1	646.9
50°	915.9	900.4	878.0	789.4	746.4	702.3	643.8	624.1	677.3	710.7	702.5
52.5°	966.6	942.5	928.5	863.4	823.7	785.2	699.4	686.2	736.4	768.6	766.8
55°	941.2	940.3	954.5	913.2	874.7	833.9	757.3	756.6	798.3	831.3	832.8
57.5°	896.9	901.5	941.8	948.0	931.6	883.8	828.8	835.5	870.9	901.5	904.8
60°	840.4	853.2	911.3	944.0	957.1	933.4	897.7	907.9	950.2	976.6	975.7
62.5°	765.7	776.1	848.3	922.6	949.1	971.5	961.3	994.1	1027.6	1052.4	1058.8
65°	677.5	681.7	759.9	860.1	928.8	991.0	1014.5	1074.1	1090.3	1128.4	1129.7
67.5°	579.8	581.1	649.2	768.6	884.4	989.5	1059.7	1133.3	1129.0	1169.6	1166.5
69°	511.1	520.7	576.5	694.1	841.5	979.9	1082.1	1152.7	1138.6	1178.2	1164.7
70°	462.8	462.2	526.0	631.0	803.6	967.7	1096.3	1157.8	1138.8	1172.2	1151.9
72.5°	294.9	299.3	354.5	447.8	647.6	897.3	1113.8	1144.3	1114.4	1111.1	1067.4
75°	130.3	118.3	152.9	237.1	407.2	697.9	1071.7	1083.4	1045.1	976.6	901.7
77.5°	45.6	47.4	57.6	96.4	196.1	415.9	888.2	953.1	923.0	758.4	674.9
80°	32.6	32.8	38.6	53.8	95.0	146.7	565.4	689.5	710.3	500.0	429.8
82.5°	23.0	23.0	28.6	34.3	65.8	65.6	243.3	379.3	405.2	221.8	165.9
85°	19.3	19.7	21.9	19.9	38.6	33.5	60.0	117.0	95.9	27.0	23.7
87.5°	2.9	2.7	7.5	6.6	5.8	4.9	6.6	7.5	5.1	4.0	2.9
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.9	0.9	0.9	0.9	0.7	0.4	0.4	0.4	0.7	0.7	0.7
5°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.6	1.8	2.0	2.0
7.5°	0.9	0.9	0.9	1.1	1.3	2.0	10.9	37.7	41.2	43.0	44.1
10°	1.8	2.0	2.0	2.0	4.9	41.7	49.6	51.4	53.2	54.1	53.8
12.5°	34.3	35.4	8.9	6.4	38.8	52.1	53.6	55.4	57.2	58.5	58.3
15°	70.7	72.4	69.6	72.0	76.4	56.5	57.8	97.9	106.1	107.7	107.9
17.5°	78.9	80.2	81.5	106.1	108.8	83.7	100.1	107.5	108.3	108.8	109.0
20°	150.2	149.5	121.0	116.3	115.2	145.3	106.3	108.3	129.6	147.6	148.4
22.5°	165.7	167.7	159.7	170.8	151.3	147.1	134.0	143.6	151.5	151.3	150.7
25°	214.9	217.6	183.2	177.7	181.5	146.2	167.3	143.3	145.6	145.8	147.1
27.5°	268.7	269.4	254.3	200.1	178.6	181.0	157.5	152.7	170.6	171.7	171.7
30°	292.7	296.9	268.7	231.7	185.0	171.0	152.7	166.4	158.4	159.7	159.7
32.5°	388.8	385.5	350.9	229.5	191.6	157.3	159.5	154.2	170.8	175.2	175.7
35°	414.1	407.2	352.9	256.6	178.8	160.6	145.8	156.6	156.6	156.4	155.3
37.5°	445.3	433.4	348.7	237.5	179.9	146.7	140.7	140.9	153.8	156.6	154.6
40°	482.3	464.4	348.1	221.8	163.1	138.9	129.2	135.6	135.4	131.6	129.4
42.5°	522.4	498.7	346.5	203.2	146.4	130.3	121.9	119.9	121.0	114.1	113.4
45°	569.4	534.2	342.1	186.8	133.2	121.0	111.4	108.3	108.8	103.5	102.1
47.5°	619.2	570.7	341.0	173.9	122.1	111.7	103.9	99.9	101.5	95.5	94.2
50°	674.9	608.4	337.2	162.0	109.9	103.0	97.3	92.6	92.8	88.2	87.1
52.5°	735.3	644.9	333.0	145.6	98.8	95.7	92.4	88.8	92.8	86.6	85.3
55°	797.4	689.5	327.5	126.5	88.8	90.2	86.8	89.5	95.3	85.5	83.7
57.5°	866.3	731.4	317.0	105.7	80.9	84.0	86.2	89.7	94.4	85.3	82.0
60°	931.6	771.7	292.2	89.3	74.0	78.9	84.9	88.4	88.0	83.7	81.5
62.5°	998.1	804.9	246.4	76.7	68.2	76.4	82.9	84.4	82.4	80.9	79.5
65°	1034.7	813.1	191.0	68.2	63.6	73.1	80.4	81.8	78.9	78.9	77.8
67.5°	1028.7	786.7	140.9	61.4	59.6	69.8	76.2	79.3	77.3	78.9	77.1
69°	1004.7	756.6	110.8	57.8	57.6	67.1	73.8	77.3	75.8	78.0	75.8
70°	976.6	726.3	97.9	55.8	55.6	65.1	72.2	75.8	74.0	75.8	73.8
72.5°	868.7	623.2	70.2	50.3	51.0	61.1	68.5	71.1	69.6	70.0	67.4
75°	694.6	463.3	55.6	45.6	46.3	56.5	64.3	65.8	64.7	62.7	61.1
77.5°	488.3	298.7	45.6	41.4	41.7	51.0	59.8	59.6	57.8	55.8	53.8
80°	266.3	140.5	38.8	36.3	37.0	45.4	53.4	52.7	50.5	48.5	46.1
82.5°	115.2	56.7	30.1	29.0	31.0	38.1	45.9	44.1	42.1	43.0	33.5
85°	20.6	19.5	17.5	18.6	21.0	27.0	32.3	30.8	29.7	25.3	23.3
87.5°	1.8	2.7	2.7	3.3	4.7	5.1	9.1	6.6	6.9	2.7	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)