

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: P414168

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414168
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-PA1-20-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2341 lumens
Efficiency: N/A
Efficacy: 111.5 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

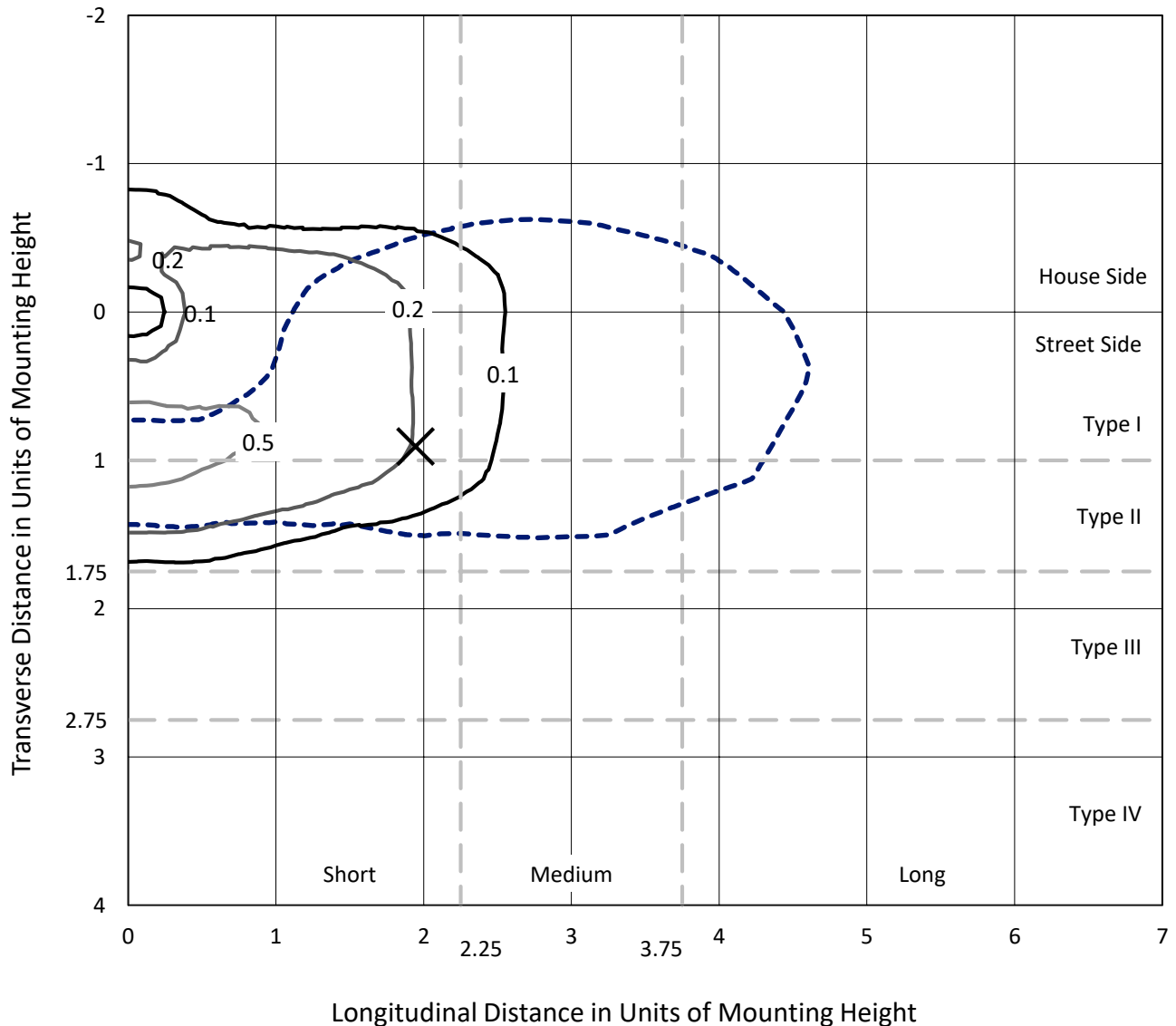
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

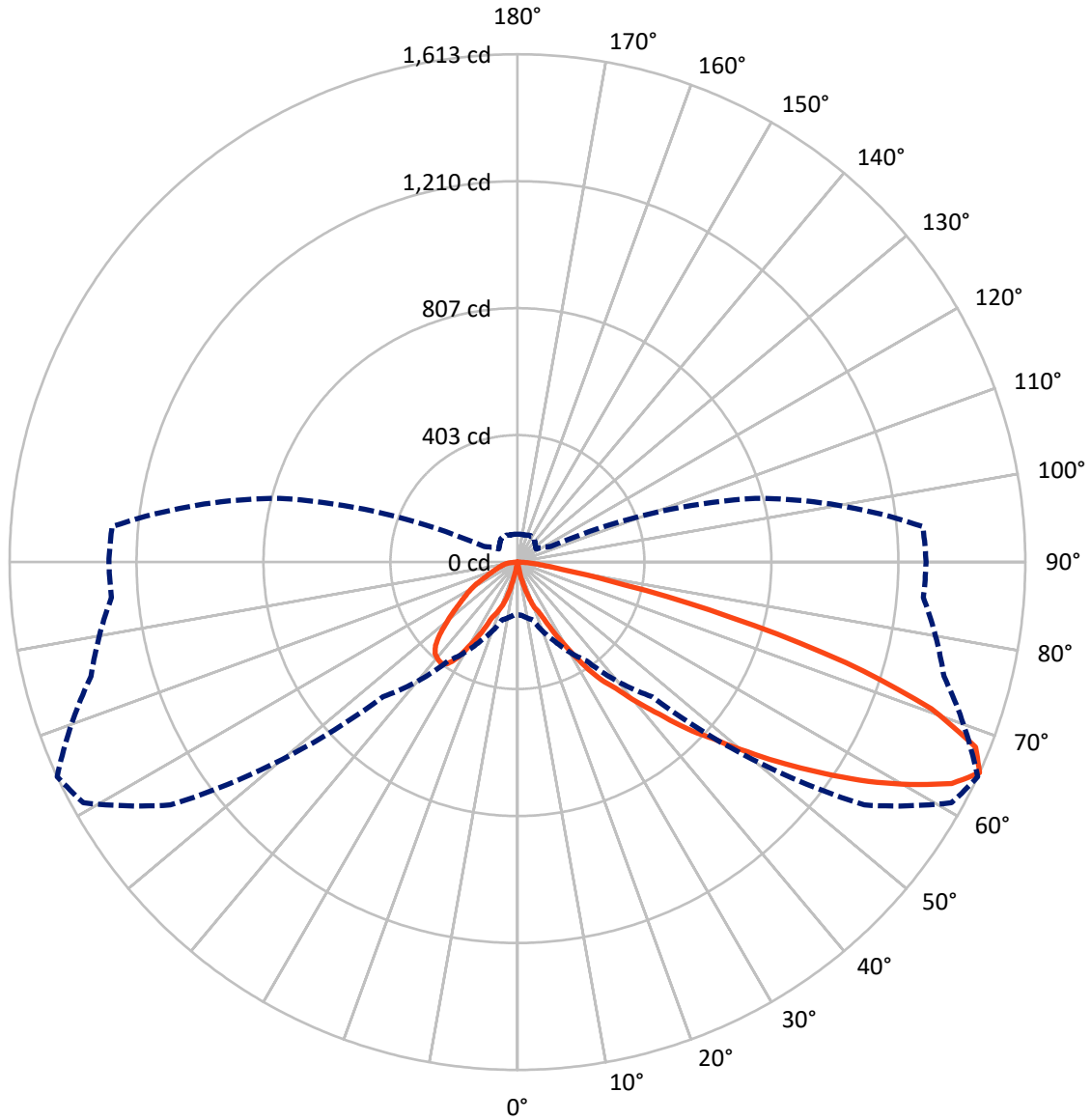
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	631.7	0.0	631.7
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	1709.3	0.0	1709.3
	% Fixture	73.0	0.0	73.0
Total	Lumens	2341.0	0.0	2341.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	25.9	1.1
20°-30°	99.6	4.3
30°-40°	249.2	10.6
40°-50°	464.0	19.8
50°-60°	607.5	26.0
60°-70°	544.6	23.3
70°-80°	299.6	12.8
80°-90°	48.9	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°	2341.0	100.0
0°-180°	2341.0	100.0



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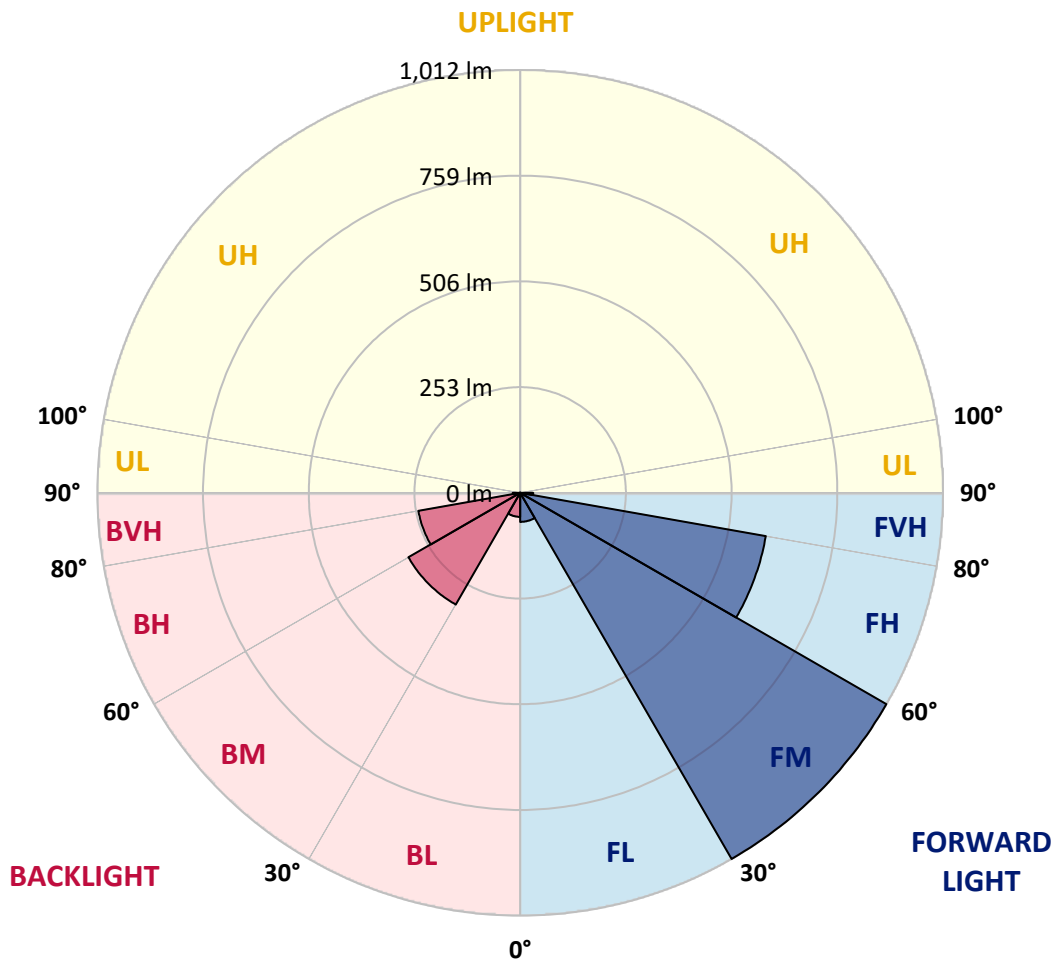
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.6	3.0			
FM (30°-60°)	1011.8	43.2			
FH (60°-80°)	596.9	25.5			G0/660
FVH (80°-90°)	31.1	1.3			G1/100
BL (0°-30°)	57.5	2.5	B0/110		
BM (30°-60°)	308.9	13.2	B1/1000		
BH (60°-80°)	247.4	10.6	B1/500		G1/500
BVH (80°-90°)	17.9	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°	1.3	1.3	1.5	1.8	1.8	1.5	1.3	1.0	0.8	0.5	0.5
5°	11.6	10.3	8.1	5.5	3.3	2.5	2.0	1.5	1.3	0.8	0.5
7.5°	56.7	56.5	56.2	56.5	55.2	21.7	4.0	2.5	2.0	1.0	0.8
10°	57.0	56.7	56.5	57.0	57.0	56.2	53.4	7.8	4.0	2.5	2.5
12.5°	101.3	97.8	67.6	59.5	57.5	57.5	57.5	51.4	48.9	36.0	43.6
15°	106.4	105.6	105.4	105.9	93.8	62.0	86.7	81.7	82.7	70.6	83.7
17.5°	111.9	110.7	109.6	109.9	105.6	121.7	113.9	116.5	117.5	89.2	97.8
20°	173.4	173.4	160.3	121.5	133.3	152.8	126.0	138.4	153.3	133.3	136.9
22.5°	196.9	195.1	193.3	183.3	167.6	166.6	183.3	160.6	170.4	195.9	181.0
25°	267.7	268.2	224.8	211.5	234.2	204.2	218.8	217.5	205.9	237.4	229.4
27.5°	338.8	339.8	335.0	298.2	267.7	262.7	249.0	268.5	265.4	263.4	282.3
30°	405.1	404.8	383.1	367.8	351.4	322.1	307.0	311.1	323.2	312.1	352.1
32.5°	563.6	559.3	536.1	438.6	413.4	385.9	381.6	370.3	394.5	386.7	423.7
35°	669.2	668.2	626.1	571.2	491.5	461.0	461.5	440.4	460.3	470.4	476.2
37.5°	905.2	901.6	837.6	676.5	613.8	551.0	539.4	529.3	508.7	537.9	537.7
40°	1032.2	1022.1	965.7	859.6	720.7	645.0	620.8	599.2	584.3	601.4	599.2
42.5°	1131.0	1123.2	1083.4	973.5	860.1	801.3	711.1	690.4	660.4	680.8	670.2
45°	1201.9	1197.8	1162.3	1080.6	993.7	950.5	812.9	780.7	754.7	751.9	745.6
47.5°	1215.5	1206.9	1196.3	1150.4	1113.4	1100.5	939.0	883.2	840.4	832.3	821.7
50°	1151.2	1148.7	1162.5	1154.2	1199.3	1229.3	1084.4	1007.3	947.3	918.8	898.4
52.5°	1002.2	1007.5	1060.7	1097.8	1210.2	1319.1	1221.0	1146.4	1064.5	1001.7	974.2
55°	796.3	815.4	894.3	971.5	1142.4	1357.9	1350.6	1291.8	1186.2	1094.5	1053.9
57.5°	611.5	609.5	711.1	781.2	1004.7	1331.9	1434.8	1418.1	1314.3	1190.8	1130.0
60°	396.3	394.5	514.5	604.2	774.4	1198.8	1478.4	1522.0	1434.5	1274.0	1198.6
62.5°	258.6	269.5	315.1	442.6	553.0	927.1	1463.8	1586.5	1549.0	1351.1	1264.4
65°	166.4	170.4	190.3	275.8	383.4	604.7	1345.3	1576.9	1613.2	1402.5	1294.4
67.5°	124.0	125.0	134.6	171.4	260.9	316.1	1055.9	1443.8	1569.6	1406.0	1284.5
70°	108.9	110.9	120.2	129.3	194.1	198.9	617.3	1160.8	1394.7	1355.4	1234.9
72.5°	93.0	95.0	107.4	120.5	148.5	149.2	230.9	771.3	1092.0	1252.5	1155.2
75°	75.9	77.1	88.0	105.6	123.8	119.7	133.6	348.6	699.0	1041.0	1030.5
77.5°	61.3	62.3	70.1	84.2	109.6	91.8	99.6	149.5	347.3	751.7	834.8
80°	44.4	44.9	52.4	64.5	82.4	81.9	74.4	94.8	143.4	439.1	552.8
82.5°	28.2	28.2	36.0	42.3	54.7	80.9	52.2	63.8	80.2	218.5	265.9
85°	15.9	16.4	22.7	24.7	32.0	49.2	37.6	35.3	43.4	79.1	65.5
87.5°	3.0	3.8	6.6	7.1	8.3	11.6	13.6	12.4	12.9	18.4	10.8
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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8
5°	0.5	0.8	1.0	1.0	1.3	1.8	2.0	2.0	2.3	2.5	2.3
7.5°	0.5	0.8	1.0	1.5	2.0	4.0	14.6	51.7	55.5	56.2	57.2
10°	2.3	2.3	2.5	2.8	11.3	54.2	58.2	58.7	59.2	59.5	59.7
12.5°	44.4	43.9	43.6	33.5	51.7	59.7	60.5	61.0	61.8	73.6	79.7
15°	84.7	84.9	80.7	77.4	90.0	65.5	69.8	107.9	111.7	112.9	113.7
17.5°	97.0	101.3	90.0	119.5	118.5	99.8	109.9	115.7	116.2	117.0	117.2
20°	137.9	136.9	131.1	149.7	128.3	164.1	136.1	117.2	147.5	162.3	162.6
22.5°	179.0	179.2	170.9	172.9	184.5	168.9	136.4	154.8	158.6	158.3	157.5
25°	230.6	228.6	224.6	192.3	217.8	183.8	181.5	150.0	150.5	162.6	170.4
27.5°	282.1	277.0	261.1	249.3	226.1	204.4	171.4	162.3	174.9	174.2	174.4
30°	353.1	345.3	301.5	300.0	240.0	202.4	174.4	161.6	157.3	158.3	157.8
32.5°	424.2	410.1	370.5	357.7	255.8	188.5	160.1	149.2	161.6	163.3	162.3
35°	468.1	456.5	442.9	391.7	257.6	173.7	144.9	147.5	146.7	145.9	146.5
37.5°	519.3	500.4	488.5	403.3	243.0	155.0	138.1	136.1	148.2	148.5	147.5
40°	576.5	555.1	528.6	398.0	209.7	140.4	128.3	134.9	135.6	132.6	131.8
42.5°	641.0	609.8	570.4	391.0	173.9	131.8	124.5	125.3	125.8	122.5	121.2
45°	706.0	669.5	606.2	371.3	148.0	123.3	118.7	118.5	116.0	112.9	112.2
47.5°	778.9	736.0	635.7	337.0	129.6	116.7	114.9	110.2	110.9	108.1	107.9
50°	854.0	807.9	652.6	295.9	117.5	111.2	108.1	106.6	108.6	105.4	104.9
52.5°	927.6	889.0	679.3	259.1	107.1	106.4	105.1	105.6	106.4	102.8	102.6
55°	1007.5	979.8	703.8	224.1	98.1	99.8	104.1	103.9	103.6	100.3	100.3
57.5°	1080.9	1067.3	728.7	197.1	91.0	94.0	101.8	101.8	100.6	97.8	97.6
60°	1166.1	1156.0	752.4	172.9	84.9	88.7	99.1	99.3	97.0	95.0	94.5
62.5°	1243.5	1235.9	771.3	147.5	78.4	84.2	95.0	96.8	93.5	92.0	92.0
65°	1297.9	1292.6	781.7	116.0	72.1	79.7	90.7	93.3	89.0	88.7	88.7
67.5°	1302.7	1299.4	760.2	96.8	67.6	75.4	85.5	88.0	84.2	84.9	83.4
70°	1258.1	1234.1	699.5	80.7	63.0	69.8	79.1	82.2	78.4	78.6	76.1
72.5°	1163.8	1094.7	592.1	68.6	58.0	63.8	72.3	75.1	71.6	70.8	68.1
75°	1005.2	898.6	412.1	59.5	52.7	57.2	64.0	66.8	64.5	60.7	60.0
77.5°	778.6	658.7	252.6	51.4	47.9	50.4	55.5	57.0	54.7	50.2	49.4
80°	490.8	395.0	121.7	44.6	41.6	42.9	46.1	47.4	45.6	41.1	38.6
82.5°	224.8	170.6	64.3	36.0	33.8	33.8	37.1	36.0	34.5	30.2	24.5
85°	52.4	53.9	29.7	22.2	21.4	19.2	22.2	21.9	19.7	15.1	12.6
87.5°	8.6	9.6	7.6	6.8	5.5	4.3	4.8	4.0	3.5	1.8	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)