

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: P414116

Luminaire Tested: **LXF.LXT-PA1-20-722-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414116
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-PA1-20-722-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 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: 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 II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

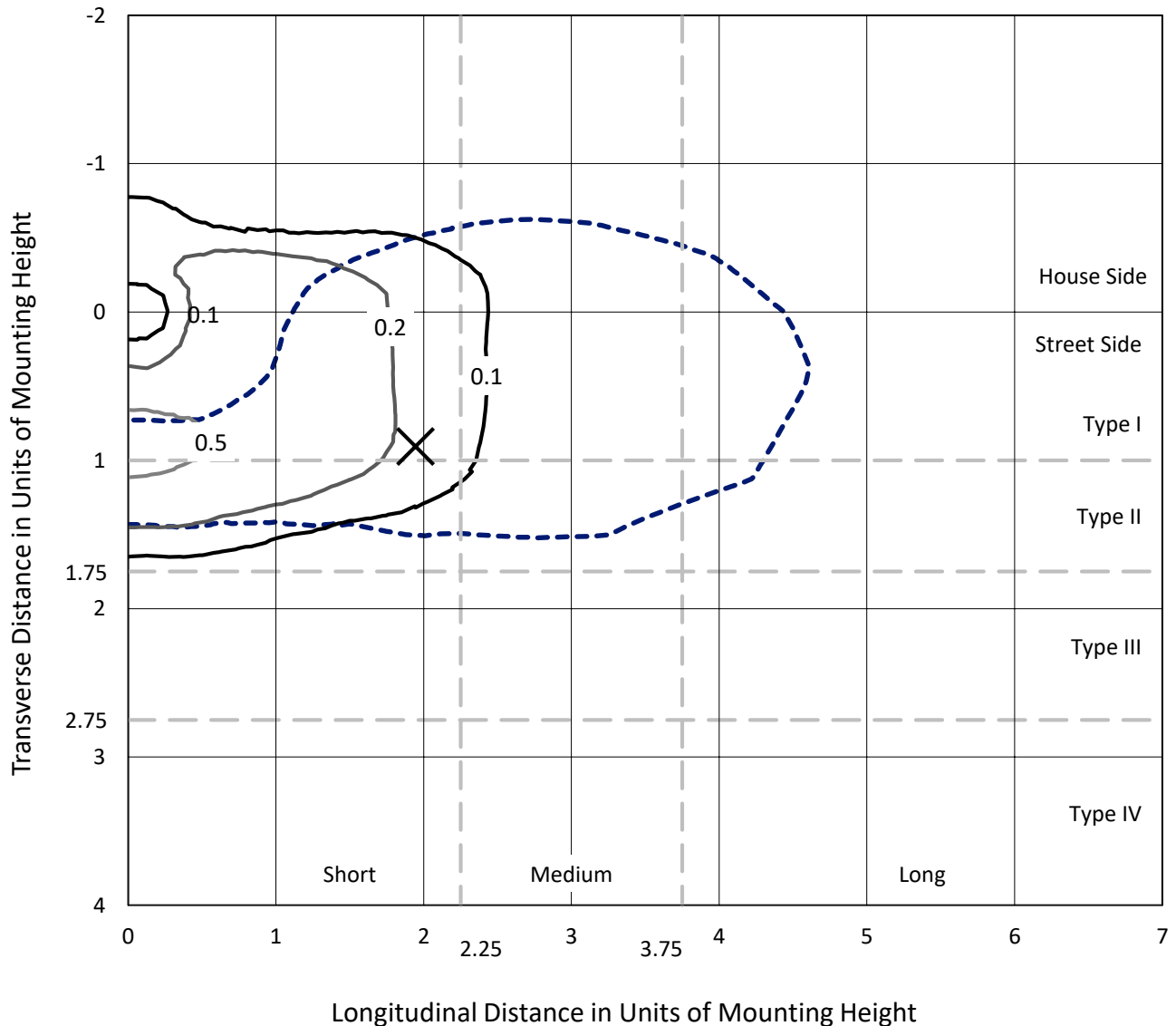
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

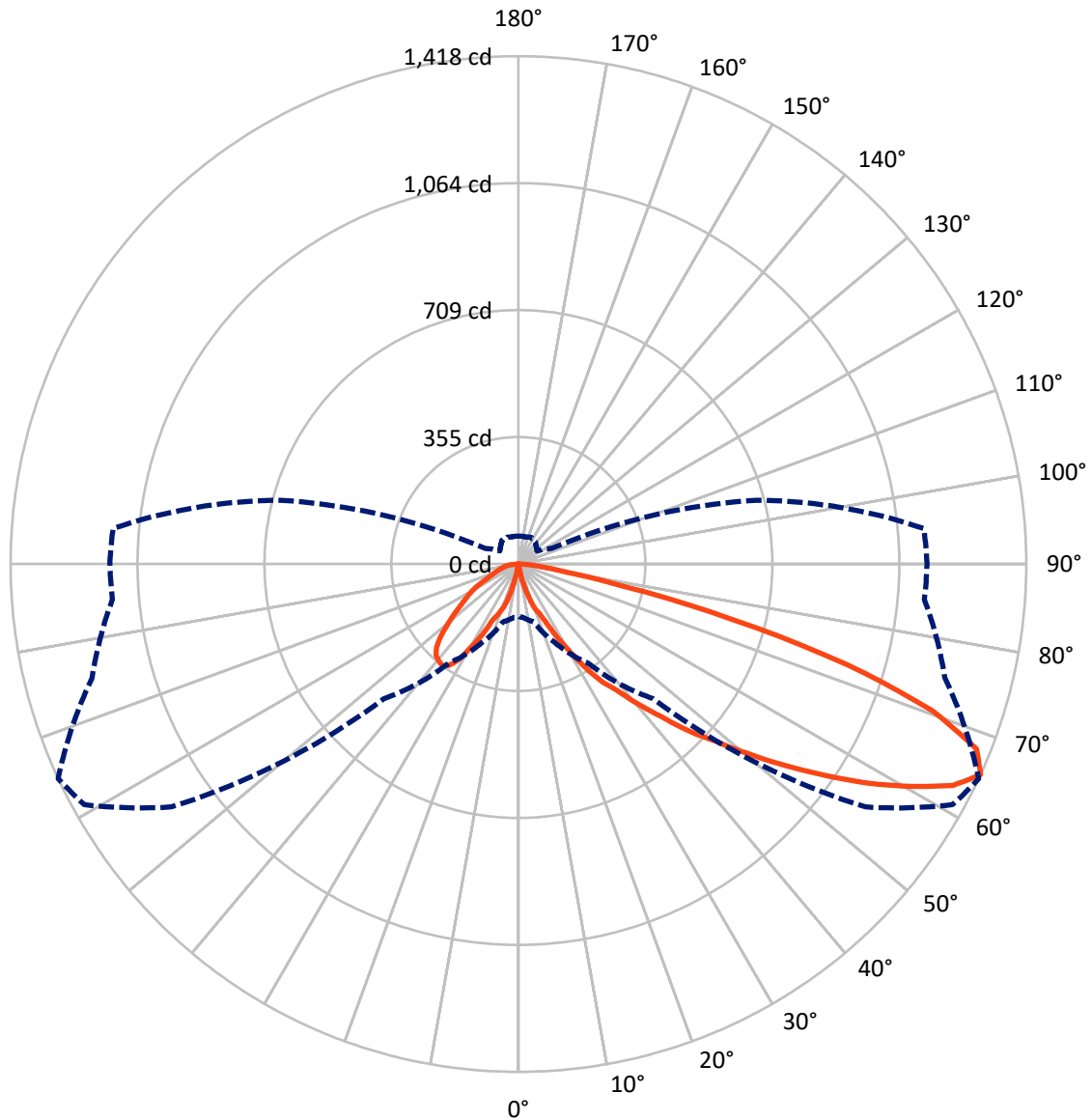
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	555.3	0.0	555.3
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	1502.7	0.0	1502.7
	% Fixture	73.0	0.0	73.0
Total	Lumens	2058.0	0.0	2058.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	22.7	1.1
20°-30°	87.5	4.3
30°-40°	219.1	10.6
40°-50°	407.9	19.8
50°-60°	534.1	26.0
60°-70°	478.8	23.3
70°-80°	263.4	12.8
80°-90°	43.0	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°	2058.0	100.0
0°-180°	2058.0	100.0



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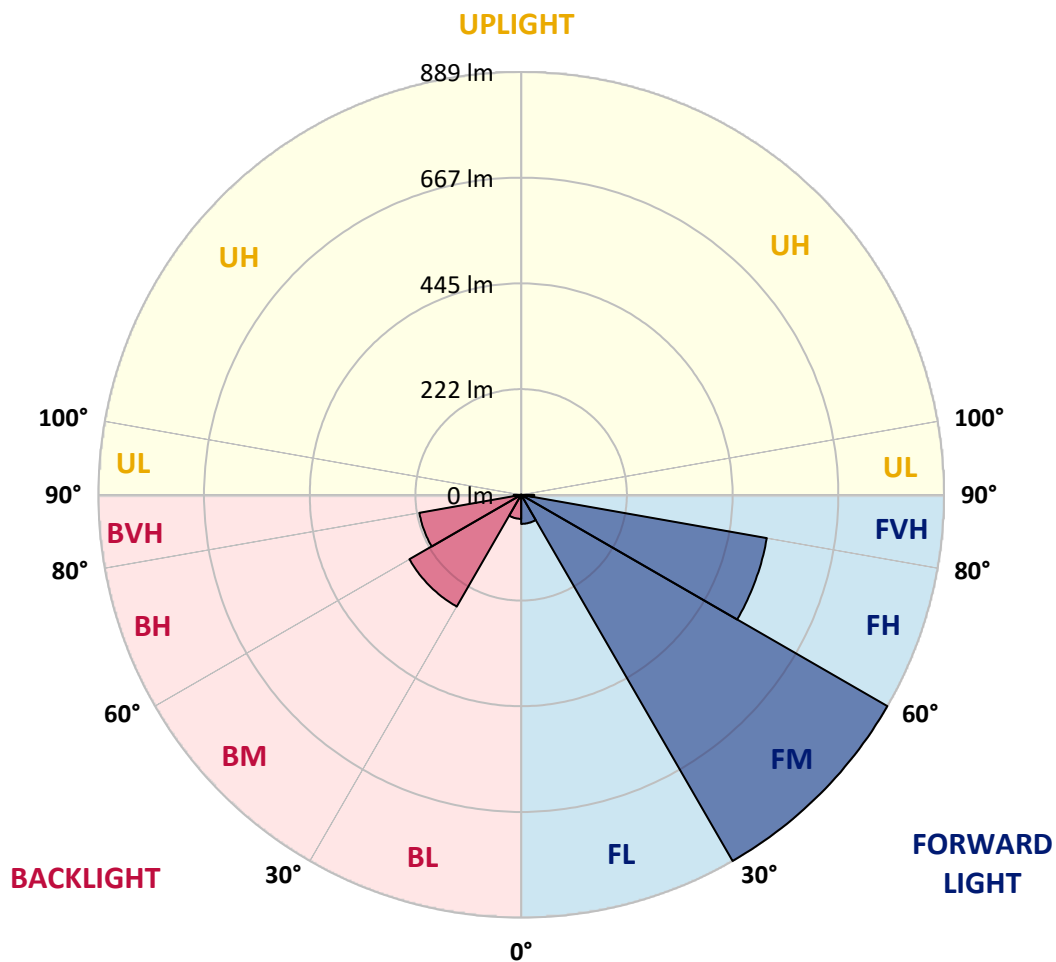
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	61.2	3.0			
FM (30°-60°)	889.5	43.2			
FH (60°-80°)	524.7	25.5			G0/660
FVH (80°-90°)	27.3	1.3			G1/100
BL (0°-30°)	50.6	2.5	B0/110		
BM (30°-60°)	271.5	13.2	B1/1000		
BH (60°-80°)	217.5	10.6	B1/500		G1/500
BVH (80°-90°)	15.7	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.1	1.1	1.3	1.6	1.6	1.3	1.1	0.9	0.7	0.4	0.4
5°	10.2	9.1	7.1	4.9	2.9	2.2	1.8	1.3	1.1	0.7	0.4
7.5°	49.9	49.6	49.4	49.6	48.5	19.1	3.5	2.2	1.8	0.9	0.7
10°	50.1	49.9	49.6	50.1	50.1	49.4	47.0	6.9	3.5	2.2	2.2
12.5°	89.1	86.0	59.4	52.3	50.5	50.5	50.5	45.2	43.0	31.7	38.3
15°	93.5	92.8	92.6	93.1	82.4	54.5	76.2	71.8	72.7	62.0	73.6
17.5°	98.4	97.3	96.4	96.6	92.8	107.0	100.2	102.4	103.3	78.4	86.0
20°	152.5	152.5	140.9	106.8	117.2	134.3	110.8	121.7	134.7	117.2	120.3
22.5°	173.1	171.5	170.0	161.1	147.4	146.5	161.1	141.2	149.8	172.2	159.1
25°	235.3	235.8	197.7	185.9	205.9	179.5	192.3	191.2	181.0	208.7	201.7
27.5°	297.8	298.7	294.5	262.1	235.3	230.9	218.9	236.0	233.3	231.6	248.2
30°	356.1	355.9	336.8	323.3	308.9	283.2	269.9	273.4	284.1	274.3	309.6
32.5°	495.5	491.7	471.3	385.6	363.4	339.3	335.5	325.5	346.8	339.9	372.5
35°	588.3	587.5	550.4	502.1	432.1	405.3	405.7	387.1	404.6	413.5	418.6
37.5°	795.7	792.6	736.4	594.8	539.6	484.4	474.2	465.4	447.2	472.9	472.7
40°	907.4	898.6	848.9	755.6	633.5	567.1	545.8	526.7	513.7	528.7	526.7
42.5°	994.3	987.4	952.4	855.8	756.1	704.5	625.1	607.0	580.6	598.5	589.2
45°	1056.6	1053.0	1021.8	950.0	873.5	835.6	714.6	686.3	663.5	661.0	655.5
47.5°	1068.5	1061.0	1051.7	1011.4	978.8	967.5	825.4	776.5	738.8	731.7	722.4
50°	1012.0	1009.8	1022.0	1014.7	1054.4	1080.7	953.3	885.5	832.8	807.7	789.8
52.5°	881.1	885.7	932.5	965.0	1063.9	1159.6	1073.4	1007.8	935.8	880.6	856.5
55°	700.0	716.9	786.2	854.0	1004.3	1193.7	1187.3	1135.7	1042.8	962.2	926.5
57.5°	537.6	535.8	625.1	686.7	883.3	1170.9	1261.3	1246.7	1155.4	1046.8	993.4
60°	348.3	346.8	452.3	531.2	680.7	1053.9	1299.7	1338.0	1261.1	1119.9	1053.7
62.5°	227.4	236.9	277.0	389.1	486.2	815.0	1286.8	1394.7	1361.7	1187.8	1111.5
65°	146.3	149.8	167.3	242.4	337.0	531.6	1182.7	1386.3	1418.2	1233.0	1137.9
67.5°	109.0	109.9	118.3	150.7	229.4	277.9	928.3	1269.3	1379.9	1236.1	1129.3
70°	95.7	97.5	105.7	113.7	170.6	174.8	542.7	1020.4	1226.1	1191.5	1085.6
72.5°	81.8	83.5	94.4	105.9	130.5	131.2	203.0	678.1	960.0	1101.1	1015.6
75°	66.7	67.8	77.3	92.8	108.8	105.3	117.4	306.5	614.5	915.2	905.9
77.5°	53.8	54.7	61.6	74.0	96.4	80.7	87.5	131.4	305.4	660.8	733.9
80°	39.0	39.4	46.1	56.7	72.5	72.0	65.4	83.3	126.1	386.0	486.0
82.5°	24.8	24.8	31.7	37.2	48.1	71.1	45.9	56.1	70.5	192.1	233.8
85°	14.0	14.4	19.9	21.7	28.1	43.2	33.0	31.0	38.1	69.6	57.6
87.5°	2.7	3.3	5.8	6.2	7.3	10.2	12.0	10.9	11.3	16.2	9.5
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°	0.4	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7
5°	0.4	0.7	0.9	0.9	1.1	1.6	1.8	1.8	2.0	2.2	2.0
7.5°	0.4	0.7	0.9	1.3	1.8	3.5	12.9	45.4	48.8	49.4	50.3
10°	2.0	2.0	2.2	2.4	10.0	47.6	51.2	51.6	52.1	52.3	52.5
12.5°	39.0	38.6	38.3	29.5	45.4	52.5	53.2	53.6	54.3	64.7	70.0
15°	74.5	74.7	70.9	68.0	79.1	57.6	61.4	94.8	98.2	99.3	99.9
17.5°	85.3	89.1	79.1	105.0	104.1	87.8	96.6	101.7	102.2	102.8	103.0
20°	121.2	120.3	115.2	131.6	112.8	144.3	119.7	103.0	129.6	142.7	142.9
22.5°	157.3	157.6	150.2	152.0	162.2	148.5	119.9	136.1	139.4	139.2	138.5
25°	202.8	201.0	197.4	169.1	191.5	161.5	159.5	131.8	132.3	142.9	149.8
27.5°	248.0	243.5	229.6	219.2	198.8	179.7	150.7	142.7	153.8	153.1	153.3
30°	310.5	303.6	265.0	263.7	211.0	177.9	153.3	142.0	138.3	139.2	138.7
32.5°	372.9	360.5	325.7	314.4	224.9	165.8	140.7	131.2	142.0	143.6	142.7
35°	411.5	401.3	389.3	344.4	226.5	152.7	127.4	129.6	129.0	128.3	128.7
37.5°	456.5	439.9	429.5	354.6	213.6	136.3	121.4	119.7	130.3	130.5	129.6
40°	506.8	488.0	464.7	349.9	184.4	123.4	112.8	118.6	119.2	116.6	115.9
42.5°	563.5	536.0	501.5	343.7	152.9	115.9	109.5	110.1	110.6	107.7	106.6
45°	620.7	588.6	532.9	326.4	130.1	108.4	104.4	104.1	101.9	99.3	98.6
47.5°	684.7	647.1	558.9	296.3	113.9	102.6	101.0	96.8	97.5	95.1	94.8
50°	750.8	710.2	573.7	260.2	103.3	97.7	95.1	93.7	95.5	92.6	92.2
52.5°	815.5	781.6	597.2	227.8	94.2	93.5	92.4	92.8	93.5	90.4	90.2
55°	885.7	861.3	618.7	197.0	86.2	87.8	91.5	91.3	91.1	88.2	88.2
57.5°	950.2	938.2	640.6	173.3	80.0	82.7	89.5	89.5	88.4	86.0	85.8
60°	1025.1	1016.2	661.5	152.0	74.7	78.0	87.1	87.3	85.3	83.5	83.1
62.5°	1093.1	1086.5	678.1	129.6	68.9	74.0	83.5	85.1	82.2	80.9	80.9
65°	1141.0	1136.3	687.2	101.9	63.4	70.0	79.8	82.0	78.2	78.0	78.0
67.5°	1145.2	1142.3	668.3	85.1	59.4	66.3	75.1	77.3	74.0	74.7	73.3
70°	1106.0	1084.9	614.9	70.9	55.4	61.4	69.6	72.2	68.9	69.1	66.9
72.5°	1023.1	962.4	520.5	60.3	51.0	56.1	63.6	66.0	62.9	62.3	59.8
75°	883.7	790.0	362.3	52.3	46.3	50.3	56.3	58.7	56.7	53.4	52.7
77.5°	684.5	579.0	222.0	45.2	42.1	44.3	48.8	50.1	48.1	44.1	43.4
80°	431.4	347.2	107.0	39.2	36.6	37.7	40.6	41.7	40.1	36.1	33.9
82.5°	197.7	150.0	56.5	31.7	29.7	29.7	32.6	31.7	30.4	26.6	21.5
85°	46.1	47.4	26.1	19.5	18.8	16.8	19.5	19.3	17.3	13.3	11.1
87.5°	7.5	8.4	6.6	6.0	4.9	3.8	4.2	3.5	3.1	1.6	0.7
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)