

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: P414107

Luminaire Tested: **LXF.LXT-PA1-20-722-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
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-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2019 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

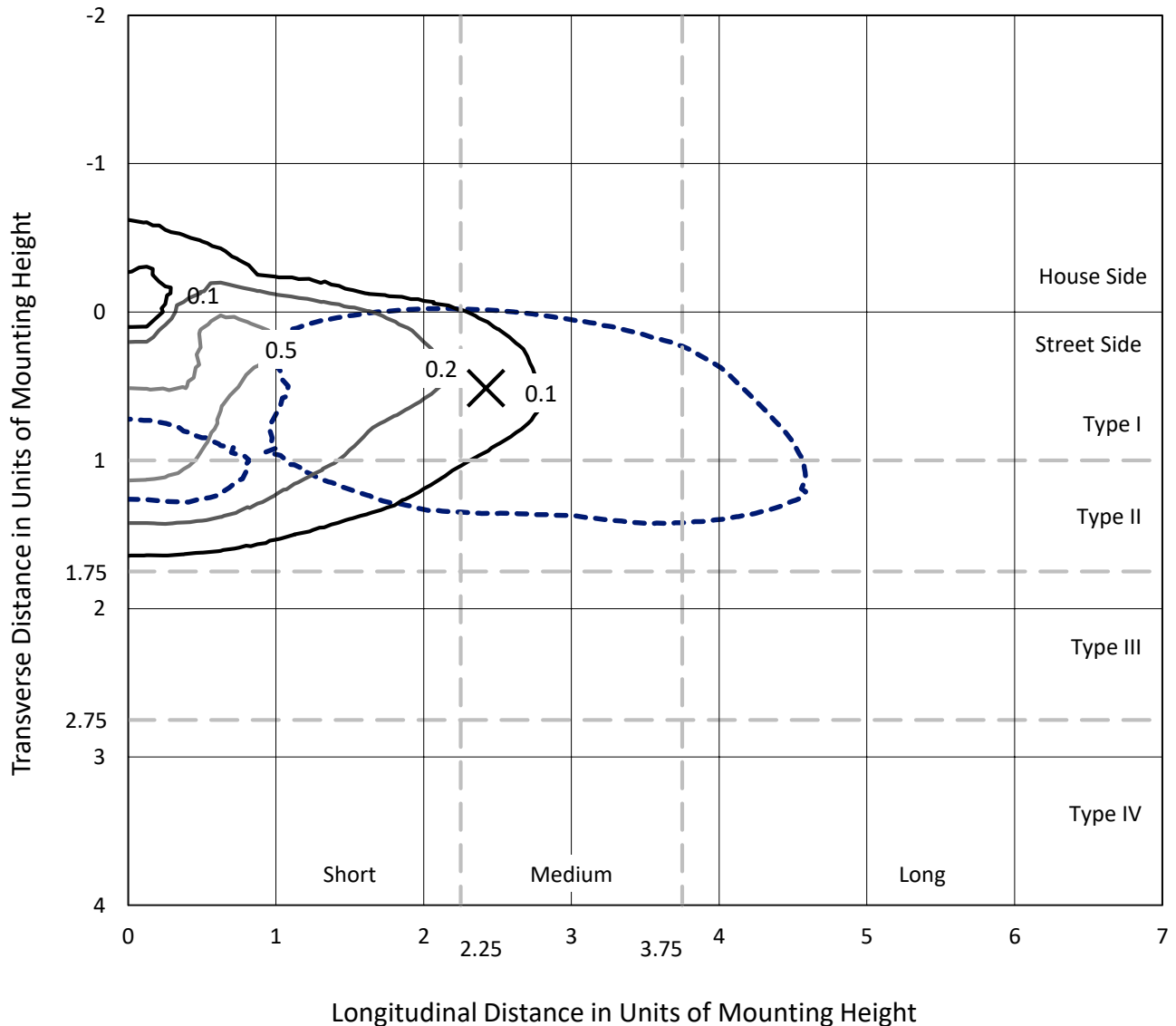
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

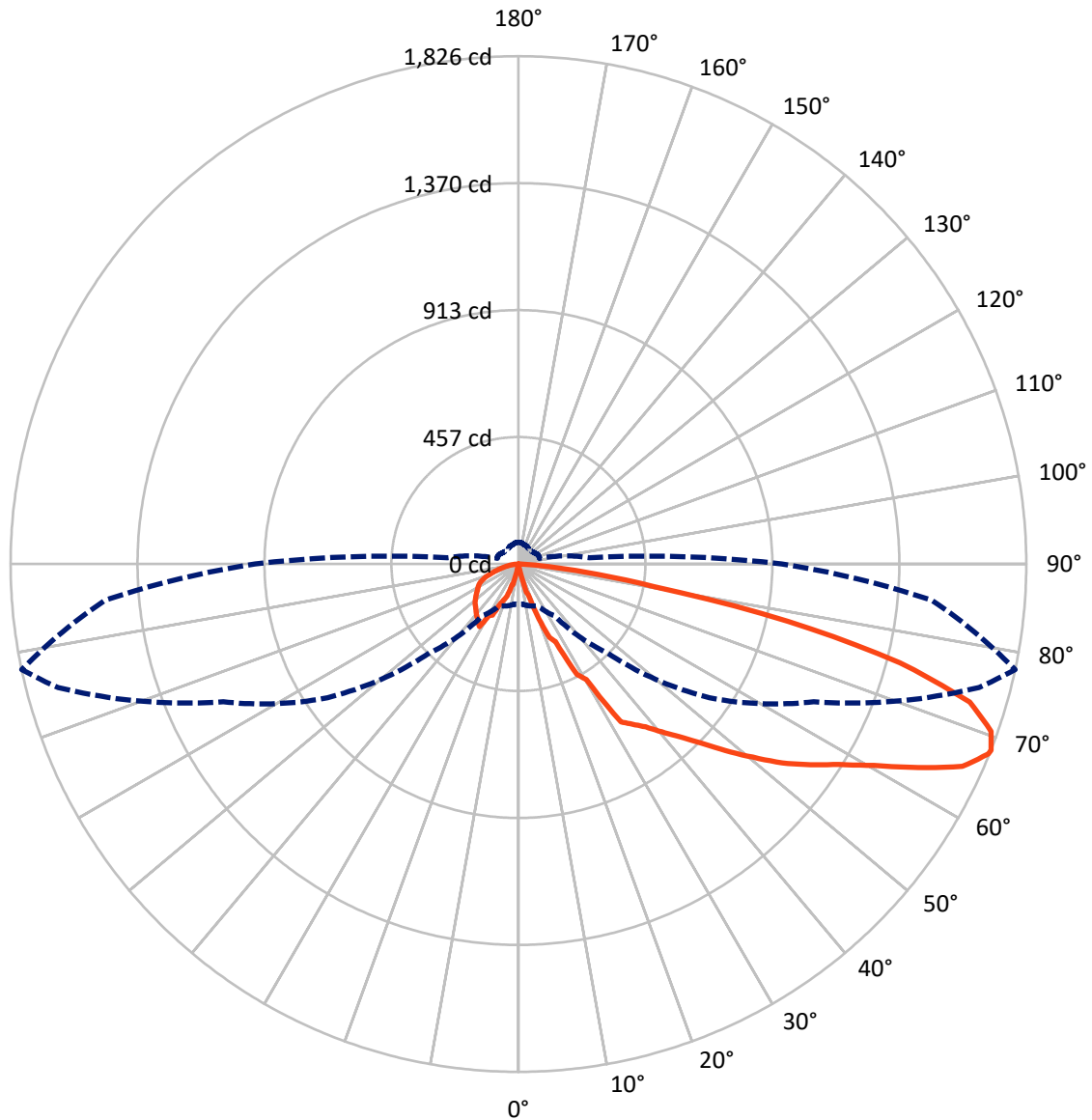
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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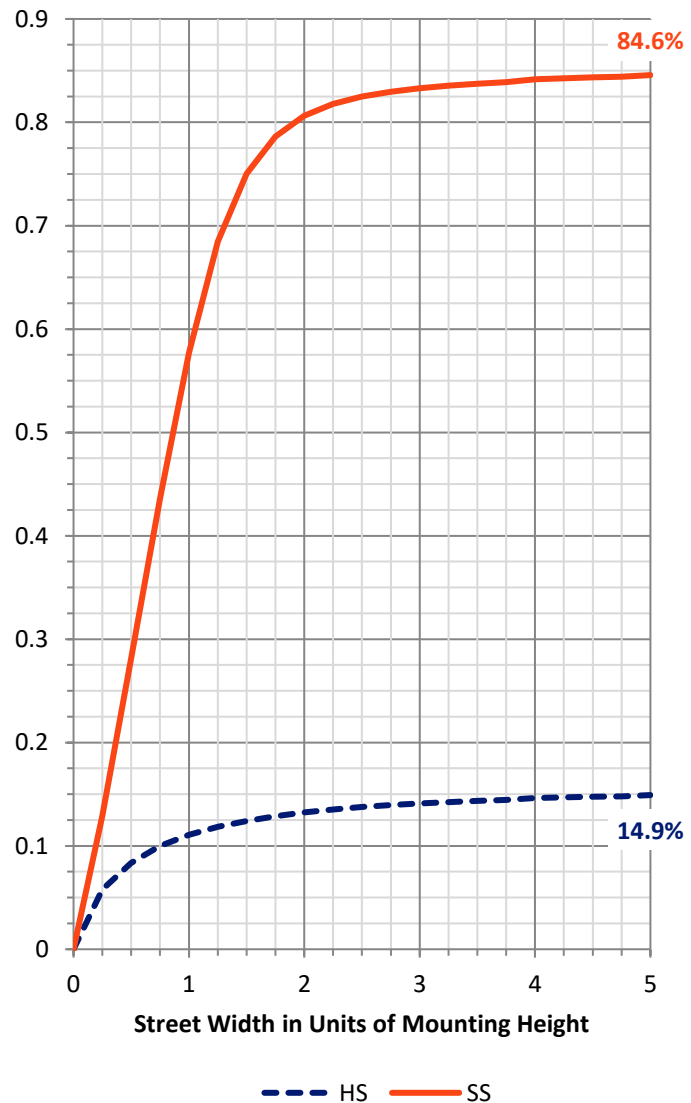
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.5	0.0	306.5
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1712.5	0.0	1712.5
	% Fixture	84.8	0.0	84.8
Total	Lumens	2019.0	0.0	2019.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	29.3	1.4
20°-30°	111.4	5.5
30°-40°	260.1	12.9
40°-50°	406.1	20.1
50°-60°	466.2	23.1
60°-70°	433.2	21.5
70°-80°	267.6	13.3
80°-90°	43.1	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°	2019.0	100.0
0°-180°	2019.0	100.0



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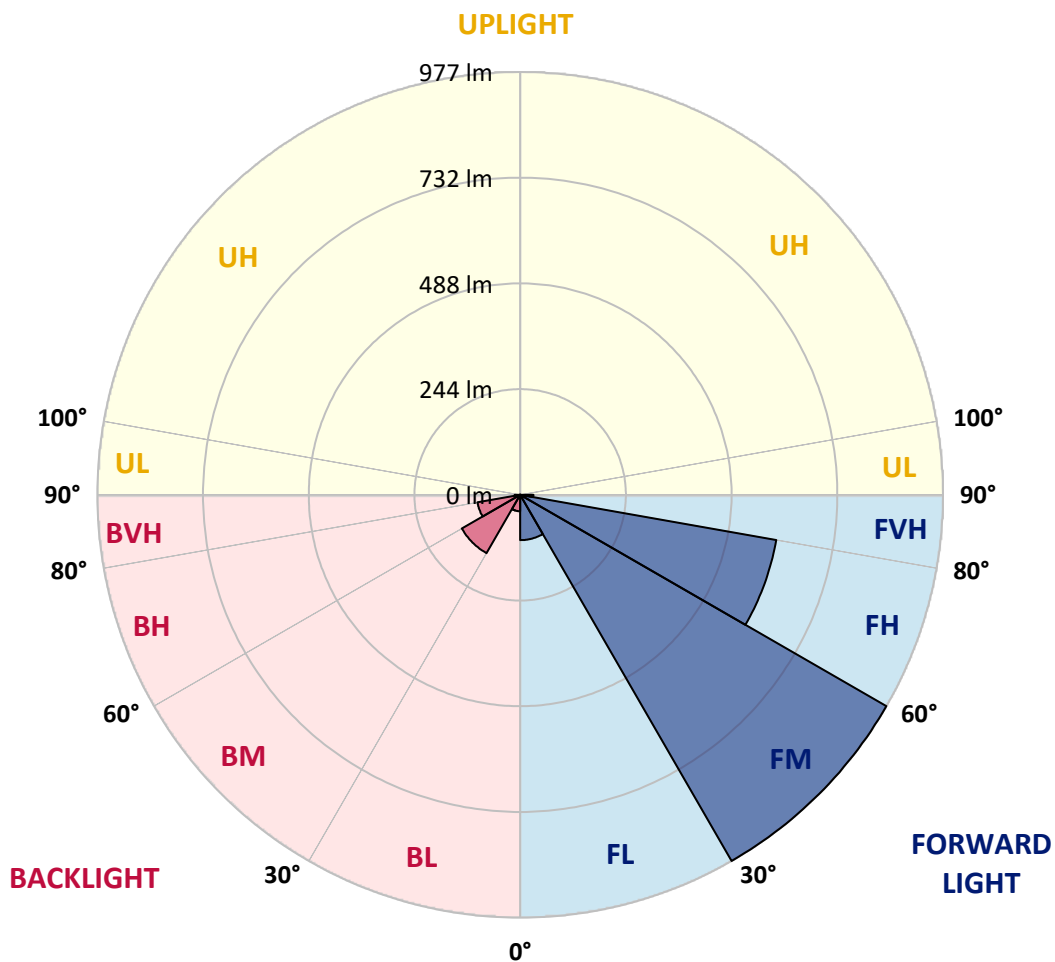
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.7	5.2			
FM (30°-60°)	976.7	48.4			
FH (60°-80°)	600.6	29.7			G0/660
FVH (80°-90°)	30.5	1.5			G1/100
BL (0°-30°)	38.0	1.9	B0/110		
BM (30°-60°)	155.7	7.7	B0/220		
BH (60°-80°)	100.2	5.0	B0/110		G0/110
BVH (80°-90°)	12.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.6	1.6	1.8	2.0	2.4	2.2	1.6	1.1	0.9	0.9	0.9
5°	71.5	65.8	36.8	19.0	6.6	4.0	2.0	1.6	1.1	1.1	0.9
7.5°	80.9	80.4	79.7	79.1	78.0	73.8	7.8	2.2	1.3	1.3	0.9
10°	87.3	86.6	86.2	85.7	84.2	82.0	78.2	6.9	2.4	2.2	2.0
12.5°	169.5	169.0	168.3	107.7	91.3	88.8	85.5	61.1	7.1	10.6	32.1
15°	169.0	168.3	170.3	173.9	176.8	97.2	98.1	171.7	106.3	102.1	108.8
17.5°	176.3	175.4	173.2	175.7	181.0	203.3	192.3	185.8	125.2	119.4	116.1
20°	258.5	258.5	261.2	258.9	187.8	259.8	246.1	199.6	226.2	212.6	197.8
22.5°	273.6	272.5	272.9	277.3	326.1	269.4	271.6	307.9	314.3	287.1	246.1
25°	389.0	388.7	373.5	293.1	343.8	324.7	375.2	329.4	340.9	308.8	301.9
27.5°	437.7	438.1	425.7	414.7	363.3	421.1	398.3	433.7	484.2	449.9	386.8
30°	589.0	583.2	485.8	474.9	444.6	443.9	482.2	512.1	497.9	481.8	431.9
32.5°	700.0	694.2	672.7	597.6	528.5	494.4	554.0	535.8	649.7	676.3	585.7
35°	871.6	869.6	755.6	678.0	620.7	597.8	582.1	652.8	703.3	707.3	623.8
37.5°	1003.4	997.0	930.1	793.4	698.6	645.9	683.4	684.5	762.0	743.2	683.4
40°	1063.7	1059.7	1008.3	880.0	770.4	710.8	725.9	732.3	826.2	793.7	726.8
42.5°	1109.5	1104.7	1072.1	932.1	833.5	776.6	769.7	775.5	888.5	848.8	773.3
45°	1133.2	1130.4	1115.1	969.1	877.6	818.5	816.7	813.6	930.8	916.8	823.8
47.5°	1119.9	1116.8	1123.7	1019.4	905.1	852.8	860.3	854.8	979.3	1002.1	878.7
50°	1046.2	1049.1	1076.5	1021.4	922.6	880.7	906.4	892.7	1045.3	1092.0	945.4
52.5°	832.6	844.4	960.7	977.1	924.4	893.8	947.8	950.5	1127.3	1188.2	1033.1
55°	621.3	637.9	740.9	869.0	888.9	894.2	974.4	1003.4	1209.0	1273.7	1106.9
57.5°	489.1	499.3	564.8	693.3	803.4	878.5	1001.7	1046.4	1285.0	1359.2	1179.3
60°	391.0	384.8	427.5	525.0	669.6	834.4	1013.6	1102.4	1379.5	1469.5	1264.6
62.5°	282.6	283.1	315.6	371.2	530.1	747.4	1004.3	1156.7	1500.0	1612.1	1378.2
65°	200.5	202.5	224.6	254.5	383.2	627.8	958.2	1193.7	1636.1	1754.8	1470.6
67.5°	152.6	153.9	164.4	178.3	247.6	477.6	863.7	1186.2	1710.7	1822.3	1497.4
68°	146.4	144.2	155.9	166.1	227.9	452.8	837.7	1171.1	1714.2	1826.1	1491.0
70°	123.4	123.4	128.7	131.1	161.5	334.7	710.8	1080.1	1701.6	1802.9	1442.2
72.5°	103.0	102.3	105.4	103.4	114.1	219.1	516.3	931.4	1611.5	1696.7	1297.1
75°	85.7	85.7	86.2	84.6	87.5	146.9	335.6	729.6	1423.6	1416.8	1055.7
77.5°	73.1	71.3	70.9	68.7	71.1	106.8	205.8	519.2	1027.8	990.8	670.3
80°	58.0	57.8	58.3	56.9	58.9	77.7	125.4	303.5	559.7	492.6	312.5
82.5°	35.9	39.4	43.4	43.4	49.6	54.9	76.0	162.4	271.3	238.6	132.7
85°	11.7	14.4	25.5	26.4	31.9	25.7	43.6	52.3	90.6	80.9	25.5
87.5°	0.4	0.7	2.0	3.1	2.9	1.8	3.1	2.4	5.1	3.8	4.0
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.9	0.9	0.9	1.1	1.1	0.7	0.4	0.9	0.9	0.9	0.9
5°	0.9	0.9	1.1	1.1	1.1	0.9	1.1	1.6	1.8	1.8	1.8
7.5°	0.9	0.9	0.9	1.3	1.3	1.6	2.2	13.3	30.6	33.4	33.0
10°	1.8	1.6	1.8	2.0	2.4	28.4	37.2	39.2	40.1	40.8	40.5
12.5°	42.5	38.1	7.1	4.0	26.8	39.9	40.5	42.1	43.6	44.3	44.3
15°	99.7	89.3	68.2	51.4	45.9	42.5	43.2	56.7	77.1	79.1	79.3
17.5°	105.9	92.8	71.3	78.6	81.1	63.1	69.3	78.0	78.9	79.1	79.1
20°	199.6	167.2	101.5	82.8	82.6	105.7	74.0	76.2	77.5	88.2	89.5
22.5°	216.0	179.2	121.8	117.6	89.0	105.7	96.8	94.1	103.0	102.1	102.8
25°	271.6	215.1	128.3	118.1	124.7	102.3	113.6	93.7	95.2	94.8	94.8
27.5°	345.3	271.3	179.2	132.2	121.2	118.3	105.2	90.2	108.1	108.5	108.5
30°	365.7	279.1	179.2	142.9	126.0	116.3	97.2	106.5	100.6	98.8	97.9
32.5°	506.8	378.6	216.9	137.6	124.3	106.8	106.5	99.0	98.8	102.8	102.8
35°	532.5	384.3	198.0	157.3	117.2	110.1	101.2	100.1	95.7	94.1	93.9
37.5°	558.0	387.9	183.6	144.4	120.3	105.0	99.7	91.9	96.8	96.8	96.4
40°	585.2	391.6	170.6	132.7	110.5	105.0	92.4	91.7	85.1	85.5	85.1
42.5°	614.5	393.2	156.6	122.9	101.5	98.6	89.3	82.4	82.2	83.7	83.3
45°	647.9	395.2	143.8	110.5	92.4	86.8	79.7	80.2	84.4	87.9	87.9
47.5°	683.6	396.9	133.1	99.5	85.9	78.9	73.5	75.3	82.8	86.4	87.5
50°	731.9	399.2	120.9	90.4	81.5	72.9	72.0	73.5	81.7	84.4	83.3
52.5°	783.3	395.2	109.0	84.6	76.9	66.2	67.8	71.8	80.6	82.0	81.1
55°	825.3	385.2	99.7	80.9	73.5	63.4	65.6	70.4	78.9	79.5	79.7
57.5°	874.3	372.1	92.4	78.0	71.5	62.0	64.7	70.2	75.3	78.4	78.4
60°	922.4	356.8	87.9	76.4	70.0	62.0	64.7	70.0	74.6	78.0	77.7
62.5°	978.6	339.6	85.3	77.3	68.0	62.7	65.1	70.7	74.4	78.2	77.7
65°	998.3	306.6	83.3	78.6	67.8	63.6	65.3	71.5	74.2	78.6	78.2
67.5°	959.3	262.9	80.0	78.6	69.8	64.7	65.1	71.1	73.5	78.9	76.9
68°	946.3	256.5	78.9	78.4	70.0	64.9	65.1	70.9	73.1	78.6	76.4
70°	873.6	215.7	73.3	76.2	70.9	65.8	64.0	69.3	70.9	78.2	75.5
72.5°	756.0	168.1	64.0	70.9	70.0	67.1	62.0	66.2	67.1	73.1	68.7
75°	604.5	127.8	52.9	61.6	65.8	67.1	59.1	62.0	61.8	64.7	60.7
77.5°	380.1	91.3	42.8	52.3	59.8	65.3	56.5	56.5	53.8	54.3	52.5
80°	184.3	62.5	34.6	43.2	50.1	61.8	51.8	47.6	44.3	43.4	41.2
82.5°	90.6	40.3	23.9	32.6	39.6	51.2	46.5	39.2	33.4	33.0	29.5
85°	21.0	16.6	13.1	17.3	25.0	33.4	33.4	24.6	20.8	27.0	19.9
87.5°	2.0	2.4	2.7	2.4	3.1	2.9	7.1	7.1	6.4	4.2	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

(END OF REPORT)