

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: P414315

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414315
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-PA1-20-750-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 2747 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

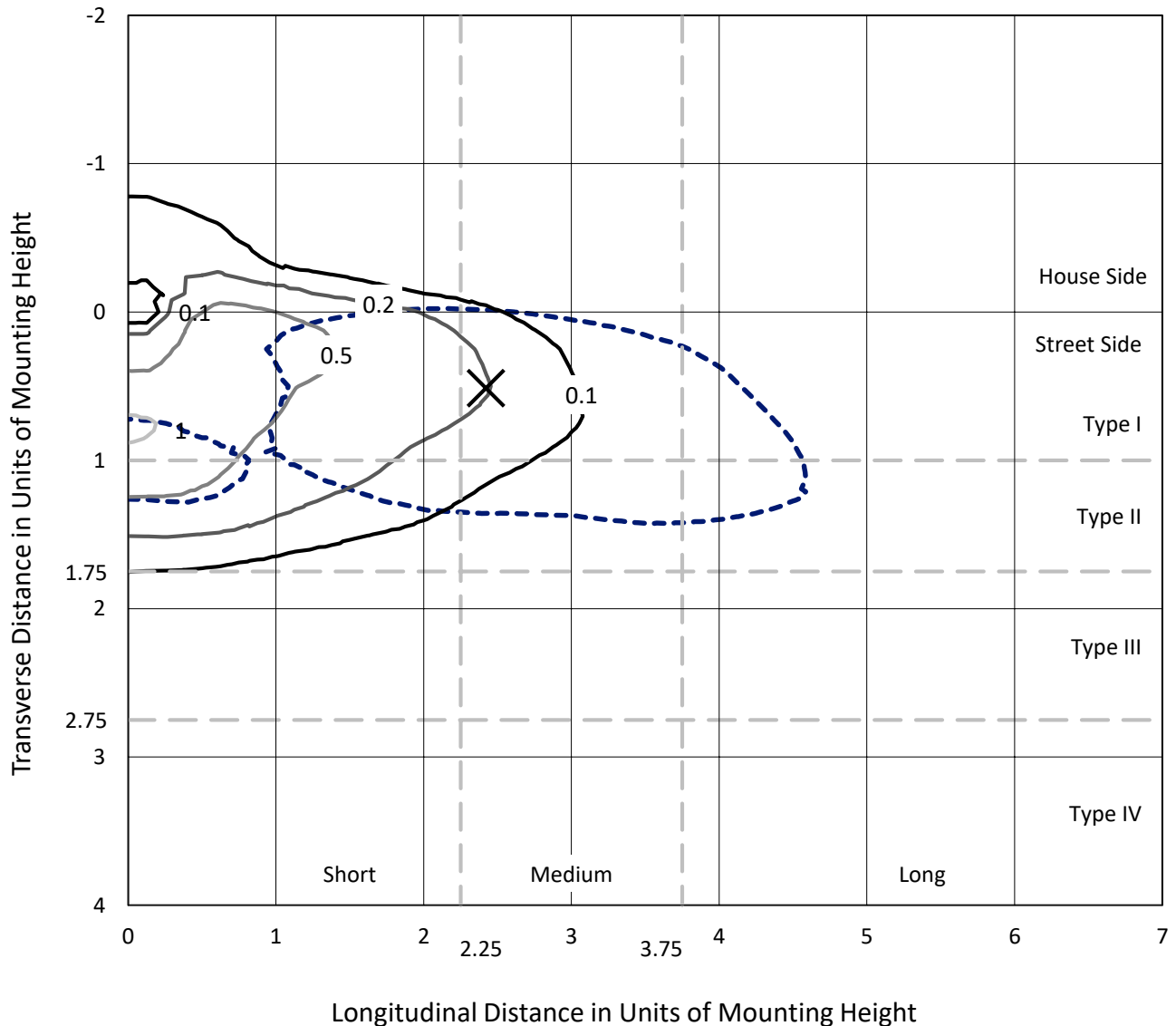
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414315
 CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

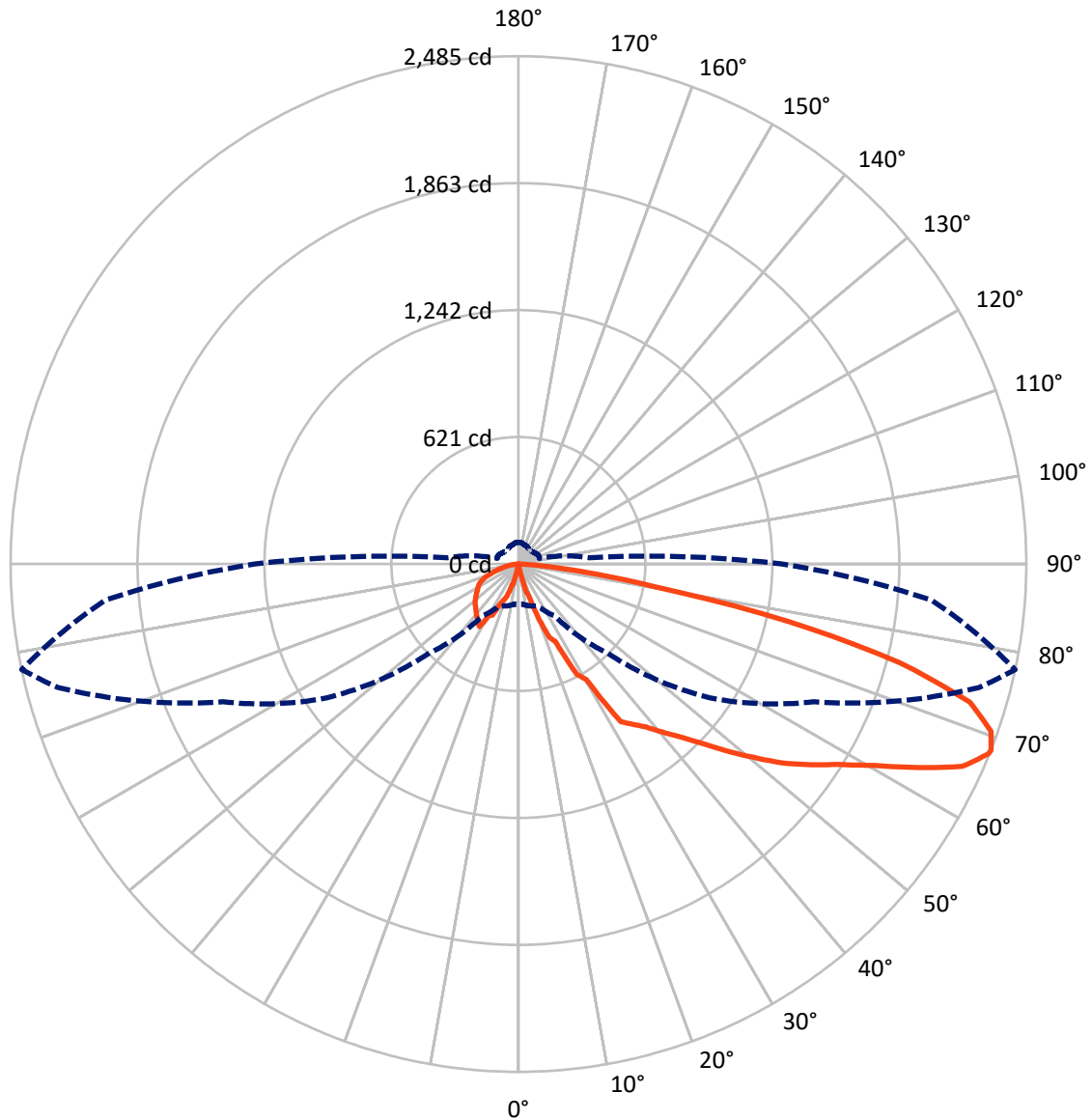
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414315
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R

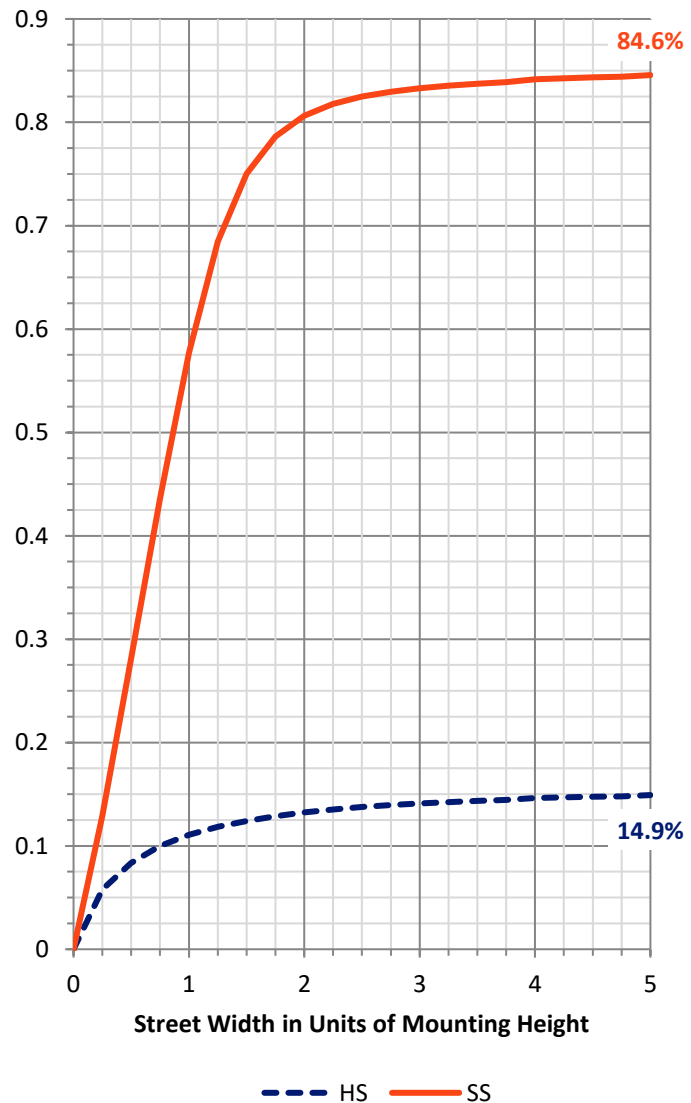
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.1	0.0	417.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2329.9	0.0	2329.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	2747.0	0.0	2747.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	39.8	1.4
20°-30°	151.6	5.5
30°-40°	353.9	12.9
40°-50°	552.5	20.1
50°-60°	634.3	23.1
60°-70°	589.4	21.5
70°-80°	364.2	13.3
80°-90°	58.6	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°	2747.0	100.0
0°-180°	2747.0	100.0



REPORT NUMBER: P414315

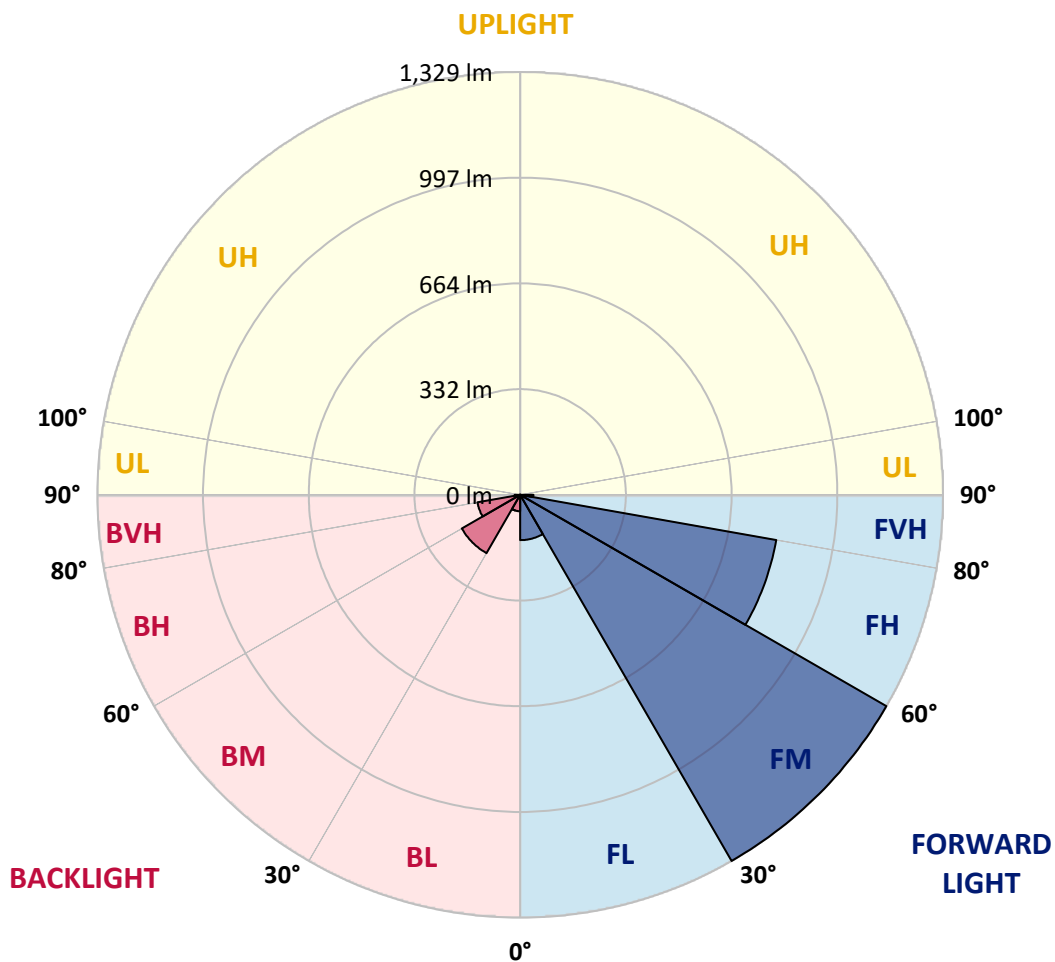
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.4	5.2			
FM (30°-60°)	1328.8	48.4			
FH (60°-80°)	817.2	29.7			G1/1800
FVH (80°-90°)	41.5	1.5			G1/100
BL (0°-30°)	51.7	1.9	B0/110		
BM (30°-60°)	211.9	7.7	B0/220		
BH (60°-80°)	136.3	5.0	B1/500		G1/500
BVH (80°-90°)	17.2	0.6			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 Medium





REPORT NUMBER: P414315

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.1	2.1	2.4	2.7	3.3	3.0	2.1	1.5	1.2	1.2	1.2
5°	97.3	89.5	50.0	25.9	9.0	5.4	2.7	2.1	1.5	1.5	1.2
7.5°	110.0	109.4	108.5	107.6	106.1	100.4	10.5	3.0	1.8	1.8	1.2
10°	118.7	117.8	117.2	116.6	114.5	111.5	106.4	9.3	3.3	3.0	2.7
12.5°	230.6	230.0	229.0	146.5	124.2	120.9	116.3	83.2	9.6	14.5	43.7
15°	230.0	229.0	231.8	236.6	240.5	132.3	133.5	233.6	144.7	138.9	148.0
17.5°	239.9	238.7	235.7	239.0	246.2	276.7	261.6	252.9	170.3	162.4	157.9
20°	351.7	351.7	355.3	352.3	255.6	353.5	334.8	271.5	307.7	289.3	269.1
22.5°	372.2	370.7	371.3	377.3	443.6	366.5	369.5	418.9	427.7	390.6	334.8
25°	529.2	528.9	508.1	398.7	467.7	441.8	510.5	448.1	463.8	420.1	410.8
27.5°	595.5	596.1	579.2	564.2	494.3	572.9	541.9	590.1	658.8	612.1	526.2
30°	801.4	793.5	660.9	646.2	604.9	604.0	656.1	696.8	677.5	655.5	587.7
32.5°	952.4	944.5	915.3	813.1	719.1	672.7	753.7	729.0	883.9	920.1	796.8
35°	1185.9	1183.2	1028.0	922.5	844.5	813.4	792.0	888.2	956.9	962.3	848.7
37.5°	1365.2	1356.5	1265.5	1079.5	950.5	878.8	929.8	931.3	1036.7	1011.1	929.8
40°	1447.2	1441.8	1371.9	1197.4	1048.2	967.1	987.6	996.4	1124.1	1079.8	988.8
42.5°	1509.6	1503.0	1458.7	1268.2	1134.1	1056.6	1047.3	1055.1	1208.8	1154.9	1052.1
45°	1541.8	1537.9	1517.1	1318.5	1194.1	1113.6	1111.2	1107.0	1266.4	1247.4	1120.8
47.5°	1523.8	1519.5	1528.9	1386.9	1231.4	1160.3	1170.6	1163.0	1332.4	1363.4	1195.6
50°	1423.4	1427.3	1464.7	1389.7	1255.2	1198.3	1233.2	1214.6	1422.2	1485.8	1286.3
52.5°	1132.9	1148.9	1307.1	1329.4	1257.6	1216.1	1289.6	1293.2	1533.7	1616.6	1405.6
55°	845.4	868.0	1008.1	1182.3	1209.4	1216.7	1325.8	1365.2	1644.9	1732.9	1506.0
57.5°	665.4	679.3	768.5	943.3	1093.1	1195.3	1362.8	1423.7	1748.3	1849.3	1604.5
60°	531.9	523.5	581.7	714.3	911.1	1135.3	1379.1	1500.0	1877.0	1999.3	1720.6
62.5°	384.6	385.2	429.5	505.1	721.2	1016.8	1366.4	1573.8	2040.9	2193.4	1875.2
65°	272.7	275.5	305.6	346.3	521.4	854.1	1303.8	1624.1	2226.0	2387.5	2000.8
67.5°	207.6	209.5	223.6	242.6	336.9	649.8	1175.1	1613.9	2327.5	2479.4	2037.3
68°	199.2	196.2	212.2	226.0	310.1	616.0	1139.8	1593.4	2332.4	2484.6	2028.6
70°	167.9	167.9	175.1	178.4	219.7	455.4	967.1	1469.5	2315.2	2452.9	1962.3
72.5°	140.1	139.2	143.5	140.7	155.2	298.1	702.5	1267.3	2192.5	2308.6	1764.9
75°	116.6	116.6	117.2	115.1	119.0	199.8	456.6	992.7	1937.0	1927.6	1436.4
77.5°	99.5	97.0	96.4	93.4	96.7	145.3	280.0	706.4	1398.4	1348.1	912.0
80°	79.0	78.7	79.3	77.5	80.2	105.8	170.6	412.9	761.6	670.3	425.2
82.5°	48.8	53.6	59.1	59.1	67.5	74.7	103.4	220.9	369.2	324.6	180.5
85°	16.0	19.6	34.7	35.9	43.4	35.0	59.4	71.1	123.3	110.0	34.7
87.5°	0.6	0.9	2.7	4.2	3.9	2.4	4.2	3.3	6.9	5.1	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P414315

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.2	1.2	1.2	1.5	1.5	0.9	0.6	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.5	1.5	1.5	1.2	1.5	2.1	2.4	2.4	2.4
7.5°	1.2	1.2	1.2	1.8	1.8	2.1	3.0	18.1	41.6	45.5	44.9
10°	2.4	2.1	2.4	2.7	3.3	38.6	50.6	53.3	54.5	55.5	55.2
12.5°	57.9	51.8	9.6	5.4	36.5	54.2	55.2	57.3	59.4	60.3	60.3
15°	135.6	121.5	92.8	69.9	62.4	57.9	58.8	77.2	104.9	107.6	107.9
17.5°	144.1	126.3	97.0	107.0	110.3	85.9	94.3	106.1	107.3	107.6	107.6
20°	271.5	227.5	138.0	112.7	112.4	143.8	100.7	103.7	105.5	119.9	121.8
22.5°	293.8	243.8	165.8	160.0	121.2	143.8	131.7	128.1	140.1	138.9	139.8
25°	369.5	292.6	174.5	160.6	169.7	139.2	154.6	127.5	129.6	129.0	129.0
27.5°	469.8	369.2	243.8	179.9	164.9	160.9	143.2	122.7	147.1	147.7	147.7
30°	497.6	379.7	243.8	194.4	171.5	158.2	132.3	145.0	136.8	134.4	133.2
32.5°	689.6	515.1	295.0	187.2	169.1	145.3	145.0	134.7	134.4	139.8	139.8
35°	724.5	522.9	269.4	214.0	159.4	149.8	137.7	136.2	130.2	128.1	127.8
37.5°	759.2	527.7	249.8	196.5	163.6	142.9	135.6	125.1	131.7	131.7	131.1
40°	796.2	532.8	232.1	180.5	150.4	142.9	125.7	124.8	115.7	116.3	115.7
42.5°	836.0	534.9	213.1	167.3	138.0	134.1	121.5	112.1	111.8	113.9	113.3
45°	881.5	537.7	195.6	150.4	125.7	118.1	108.5	109.1	114.8	119.6	119.6
47.5°	930.1	540.1	181.1	135.3	116.9	107.3	100.1	102.5	112.7	117.5	119.0
50°	995.8	543.1	164.6	123.0	110.9	99.2	97.9	100.1	111.2	114.8	113.3
52.5°	1065.7	537.7	148.3	115.1	104.6	90.1	92.2	97.6	109.7	111.5	110.3
55°	1122.9	524.1	135.6	110.0	100.1	86.2	89.2	95.8	107.3	108.2	108.5
57.5°	1189.5	506.3	125.7	106.1	97.3	84.4	88.0	95.5	102.5	106.7	106.7
60°	1254.9	485.5	119.6	104.0	95.2	84.4	88.0	95.2	101.6	106.1	105.8
62.5°	1331.5	462.0	116.0	105.2	92.5	85.3	88.6	96.1	101.3	106.4	105.8
65°	1358.3	417.1	113.3	107.0	92.2	86.5	88.9	97.3	101.0	107.0	106.4
67.5°	1305.3	357.7	108.8	107.0	94.9	88.0	88.6	96.7	100.1	107.3	104.6
68°	1287.5	349.0	107.3	106.7	95.2	88.3	88.6	96.4	99.5	107.0	104.0
70°	1188.6	293.5	99.8	103.7	96.4	89.5	87.1	94.3	96.4	106.4	102.8
72.5°	1028.6	228.7	87.1	96.4	95.2	91.3	84.4	90.1	91.3	99.5	93.4
75°	822.5	173.9	72.0	83.8	89.5	91.3	80.5	84.4	84.1	88.0	82.6
77.5°	517.2	124.2	58.2	71.1	81.4	88.9	76.9	76.9	73.2	73.8	71.4
80°	250.7	85.0	47.0	58.8	68.1	84.1	70.5	64.8	60.3	59.1	56.1
82.5°	123.3	54.9	32.5	44.3	53.9	69.6	63.3	53.3	45.5	44.9	40.1
85°	28.6	22.6	17.8	23.5	34.1	45.5	45.5	33.5	28.3	36.8	27.1
87.5°	2.7	3.3	3.6	3.3	4.2	3.9	9.6	9.6	8.7	5.7	3.9
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)