

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: P414566

Luminaire Tested: **LXF.LXT-PA1-30-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3252 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

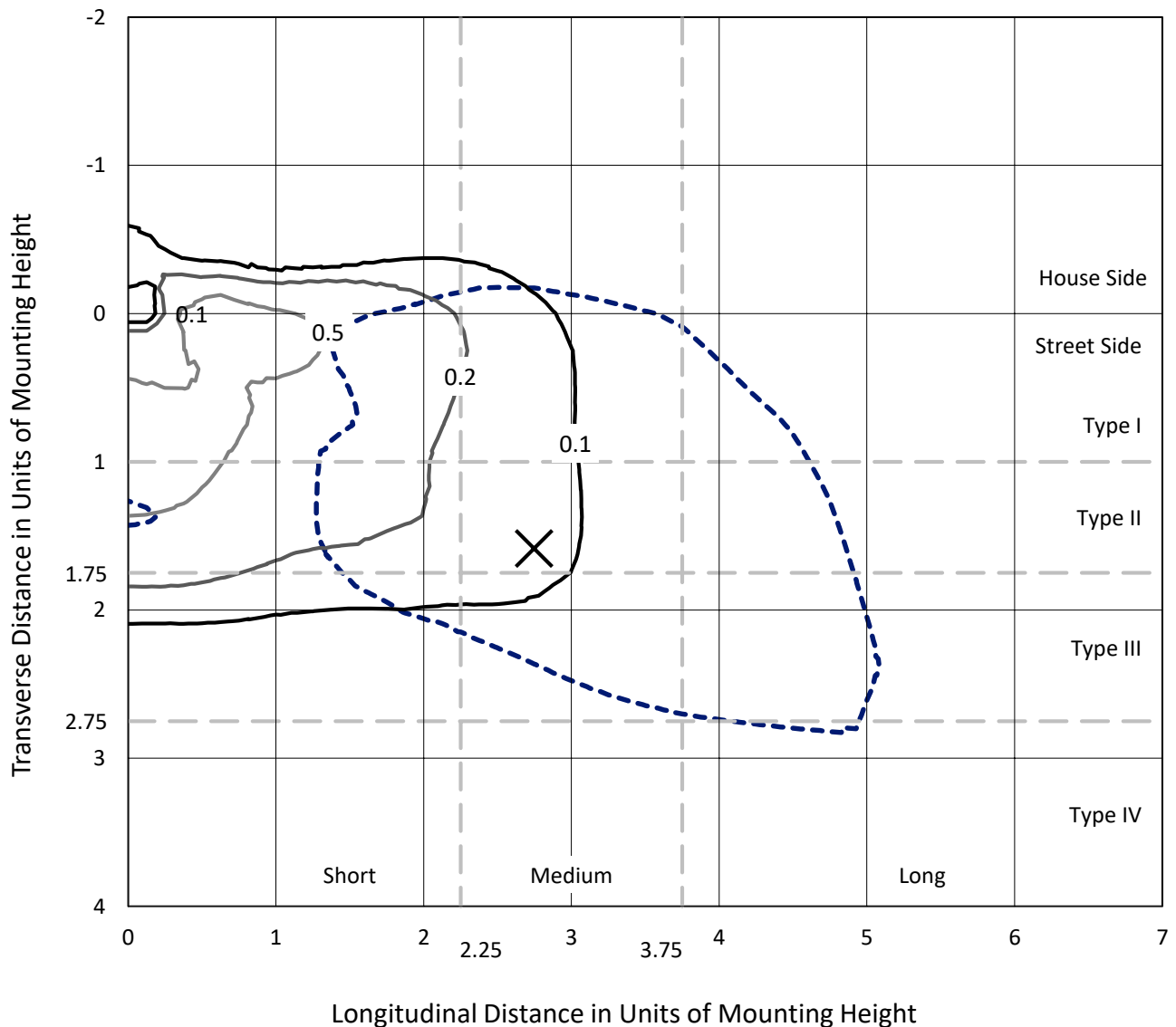
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414566
 CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

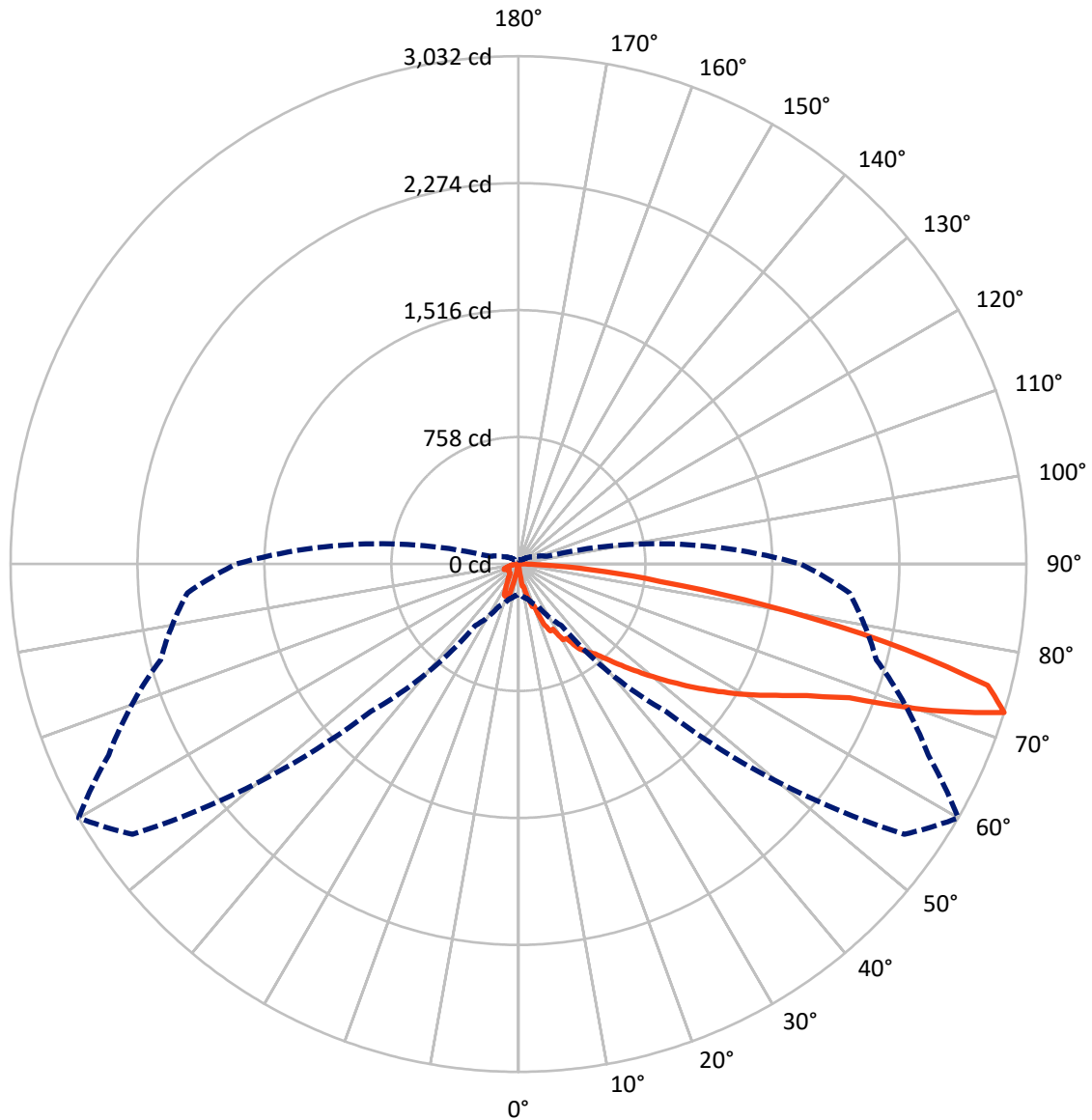


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P414566

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3

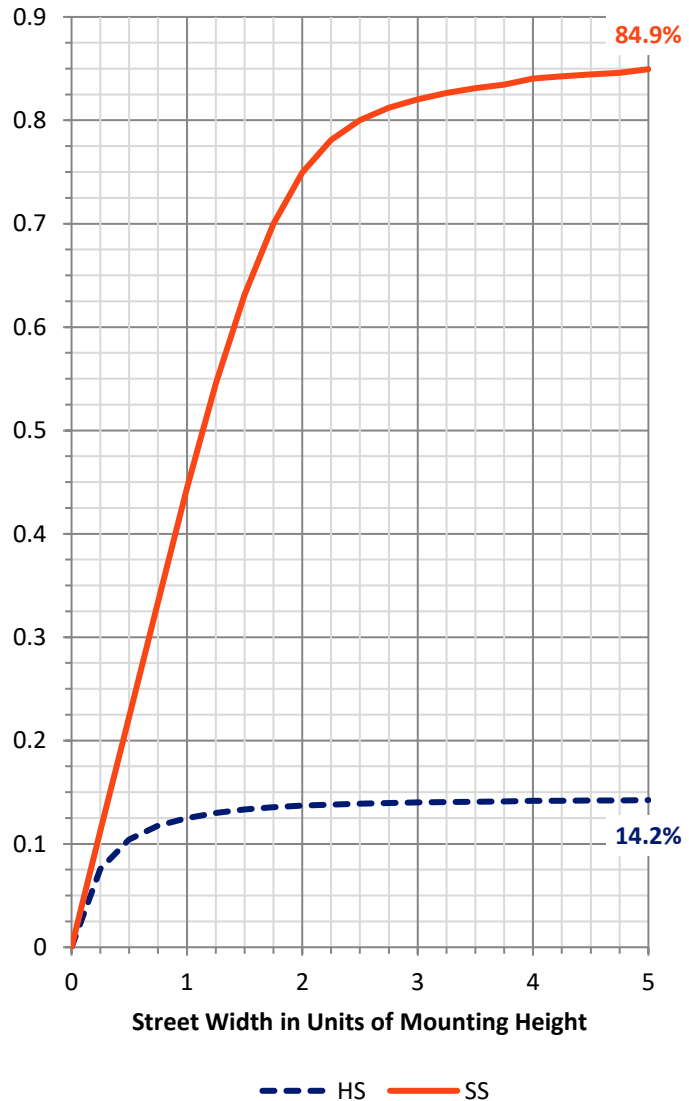
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.3	0.0	468.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2783.7	0.0	2783.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	3252.0	0.0	3252.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	47.4	1.5
20°-30°	142.8	4.4
30°-40°	282.4	8.7
40°-50°	467.7	14.4
50°-60°	698.7	21.5
60°-70°	831.2	25.6
70°-80°	665.4	20.5
80°-90°	112.9	3.5
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°	3252.0	100.0
0°-180°	3252.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414566

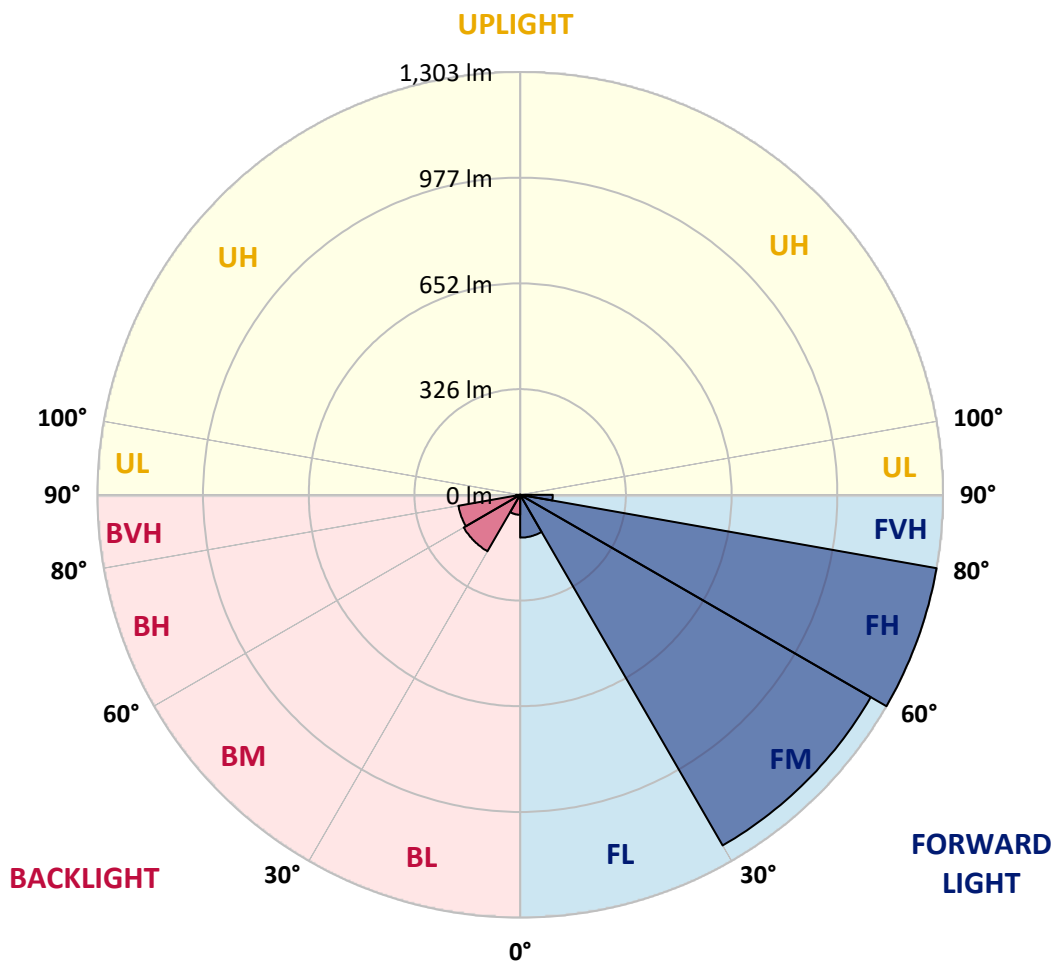
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	132.0	4.1			
FM (30°-60°)	1247.9	38.4			
FH (60°-80°)	1303.3	40.1			G1/1800
FVH (80°-90°)	100.5	3.1			G2/225
BL (0°-30°)	61.6	1.9	B0/110		
BM (30°-60°)	200.9	6.2	B0/220		
BH (60°-80°)	193.3	5.9	B1/500		G1/500
BVH (80°-90°)	12.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P414566

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.8	1.8	2.1	2.5	2.5	2.1	1.8	1.8	1.8	1.4	1.8
5°	121.5	61.3	41.1	19.5	14.5	7.1	2.8	2.1	2.1	1.8	1.8
7.5°	139.6	139.6	139.9	141.4	142.4	143.1	17.7	9.2	3.5	1.8	1.8
10°	134.6	133.6	134.3	135.7	137.1	139.2	141.7	134.6	15.9	2.8	2.1
12.5°	248.7	248.0	239.5	146.0	135.3	135.3	138.9	139.2	109.5	10.6	10.3
15°	239.8	239.5	240.6	243.0	246.9	139.9	142.1	206.9	269.6	189.9	220.7
17.5°	246.6	243.7	237.4	235.9	239.5	225.0	264.6	267.8	273.9	218.2	223.5
20°	338.3	337.3	337.3	284.1	234.2	327.4	310.7	268.2	275.3	315.7	395.4
22.5°	337.3	335.5	333.0	332.7	381.6	318.5	323.5	387.9	403.5	462.7	446.7
25°	458.4	453.8	384.4	335.1	379.1	356.8	432.2	443.6	410.3	480.0	457.0
27.5°	497.8	488.9	466.9	428.0	381.9	433.6	431.5	440.7	452.4	656.1	628.1
30°	676.0	634.2	516.5	497.1	456.7	439.0	491.7	524.0	571.5	642.7	654.4
32.5°	756.4	741.1	683.8	611.8	533.5	474.0	537.8	529.6	575.7	781.2	838.9
35°	930.0	911.2	753.9	689.1	620.3	581.0	553.0	618.6	675.3	812.4	854.9
37.5°	964.0	959.7	923.2	807.0	714.9	638.8	647.3	665.0	701.8	855.9	899.9
40°	990.6	990.9	1001.5	901.3	802.1	731.6	706.1	706.4	738.0	927.5	957.6
42.5°	1060.7	1063.5	1092.2	985.2	907.7	840.0	795.7	776.2	800.3	1009.7	1028.5
45°	1187.2	1180.8	1205.3	1071.7	987.0	928.9	893.5	863.7	876.5	1097.2	1118.8
47.5°	1346.3	1332.8	1324.6	1179.4	1073.5	1023.5	990.6	959.4	963.3	1180.8	1222.3
50°	1469.2	1462.5	1420.3	1260.9	1147.9	1118.8	1105.0	1066.4	1049.7	1274.0	1340.6
52.5°	1521.6	1515.2	1463.2	1322.5	1206.7	1209.9	1233.9	1183.6	1136.9	1375.0	1453.2
55°	1512.4	1507.1	1472.7	1353.0	1249.2	1297.7	1360.8	1310.5	1249.9	1470.3	1568.0
57.5°	1444.4	1446.9	1446.5	1355.1	1281.8	1380.3	1484.8	1441.6	1369.6	1564.8	1661.2
60°	1294.2	1307.3	1356.2	1339.9	1323.2	1458.2	1605.2	1585.0	1508.9	1668.6	1747.3
62.5°	1036.6	1062.5	1169.5	1256.6	1356.5	1567.3	1722.9	1725.3	1653.1	1749.1	1813.9
65°	699.3	697.2	856.6	1072.8	1317.2	1738.8	1898.6	1893.6	1786.6	1840.8	1912.0
67.5°	388.6	397.1	501.7	710.0	1165.9	1845.1	2235.8	2129.6	1970.8	1980.8	2049.9
70°	240.6	250.8	285.9	396.8	746.5	1721.1	2669.1	2619.5	2311.3	2166.4	2105.5
72.5°	182.8	188.5	216.8	281.3	449.2	1244.9	2813.0	3031.9	2699.6	2212.1	1984.3
75°	109.1	115.8	154.5	243.0	374.5	644.4	2438.8	2893.0	2822.9	2183.1	1731.7
77.5°	68.0	69.8	83.3	169.7	345.1	405.6	1670.8	2240.8	2300.7	1849.0	1223.7
80°	52.1	52.4	57.4	90.3	278.8	384.0	967.5	1496.5	1466.7	987.4	480.8
82.5°	32.9	35.1	44.6	55.3	132.5	374.5	571.8	852.0	750.0	267.1	133.9
85°	16.7	18.8	31.5	37.9	64.1	405.6	405.6	436.8	307.2	89.6	50.7
87.5°	2.8	2.8	4.3	9.9	12.8	68.7	113.4	98.8	65.2	12.0	9.9
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: P414566

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.8	1.8	1.8	1.4	1.1	0.7	0.4	0.4	0.4	0.7	0.7
5°	1.8	1.8	1.8	1.4	1.1	0.7	0.4	0.4	0.7	1.1	1.1
7.5°	1.8	1.8	1.8	1.4	1.1	1.1	0.7	1.4	3.2	41.5	28.0
10°	2.1	2.1	2.1	1.8	1.4	3.9	121.2	127.9	128.2	127.5	126.1
12.5°	11.3	12.4	9.2	3.2	13.1	121.5	116.6	110.9	108.8	106.3	106.3
15°	223.9	221.1	208.7	153.8	94.2	108.4	97.4	90.0	139.6	137.8	139.2
17.5°	224.6	219.7	201.9	220.0	204.1	97.4	110.5	120.1	113.4	110.9	112.0
20°	426.2	403.2	204.8	205.1	175.0	172.9	93.9	88.6	89.6	91.8	92.5
22.5°	434.0	407.4	314.2	265.7	150.2	138.5	96.0	76.9	113.7	126.5	127.9
25°	437.5	404.2	296.9	235.2	169.7	103.8	92.8	84.3	103.8	116.6	117.3
27.5°	618.6	560.5	405.6	199.8	131.1	91.0	86.8	79.4	93.2	115.5	115.8
30°	613.3	544.9	375.9	193.4	101.3	84.0	75.1	82.9	87.9	93.9	93.9
32.5°	797.5	699.3	417.0	155.9	85.0	69.8	70.9	75.5	75.8	89.6	90.7
35°	797.8	684.1	359.2	142.4	73.0	63.8	64.8	69.8	77.2	86.1	87.5
37.5°	810.2	677.4	309.6	110.9	73.0	63.8	61.6	66.6	71.9	84.3	85.7
40°	836.4	680.2	262.5	92.1	70.5	62.7	60.9	64.8	71.2	78.3	79.0
42.5°	881.1	696.2	217.9	83.3	68.7	62.7	58.5	61.3	64.8	79.4	80.8
45°	951.9	730.2	183.5	79.7	68.0	60.2	55.6	56.3	58.8	93.9	97.8
47.5°	1034.8	777.3	153.8	77.9	67.0	57.7	51.4	52.1	57.7	106.6	112.0
50°	1130.5	847.1	136.0	77.6	65.9	54.2	48.2	52.1	63.8	106.3	108.8
52.5°	1242.8	917.9	126.5	79.0	65.2	51.0	50.0	58.5	60.6	85.4	85.4
55°	1343.8	996.6	127.2	80.1	63.1	51.0	51.4	49.6	47.8	58.8	59.2
57.5°	1443.0	1074.9	138.9	77.9	59.9	51.4	44.3	40.7	41.5	50.0	51.0
60°	1529.1	1150.3	174.0	73.3	57.0	46.4	41.1	38.3	39.0	50.3	51.4
62.5°	1621.9	1242.5	240.9	75.1	56.7	43.9	38.3	35.1	36.5	41.8	42.5
65°	1747.3	1371.1	301.1	88.6	58.8	42.5	35.1	33.3	33.7	34.0	34.0
67.5°	1870.2	1450.4	290.5	104.5	65.9	41.8	33.3	31.2	30.8	30.8	30.8
70°	1858.2	1364.3	230.3	110.9	71.6	41.8	31.9	29.1	28.3	28.3	28.3
72.5°	1684.2	1167.0	176.8	102.7	65.9	40.0	29.8	26.6	25.5	25.5	25.5
75°	1433.1	936.0	148.4	89.3	53.9	34.4	26.2	23.7	23.0	23.0	22.7
77.5°	915.5	553.4	126.1	72.6	41.5	28.0	22.7	20.5	20.5	20.5	19.5
80°	367.4	243.4	98.1	57.4	32.2	22.3	18.8	17.7	17.4	17.0	15.9
82.5°	139.6	120.1	63.8	41.8	24.8	17.0	15.2	14.2	14.2	13.8	12.0
85°	50.0	46.8	29.4	24.1	15.2	10.6	11.7	10.6	10.3	9.2	7.8
87.5°	10.6	11.7	8.1	5.3	5.3	3.2	3.9	4.3	4.3	3.9	2.1
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)