

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: P414645

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3577 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

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

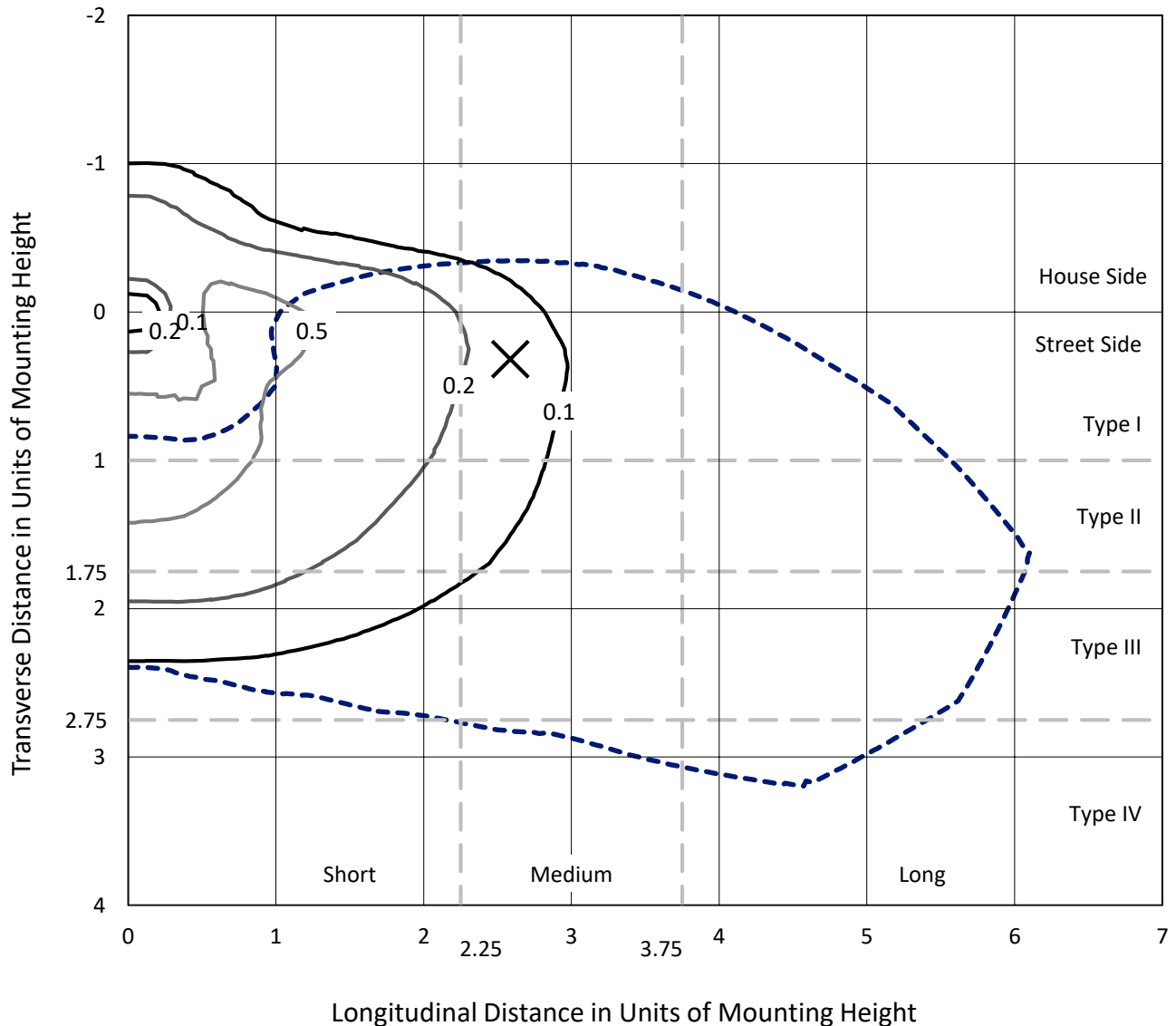


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

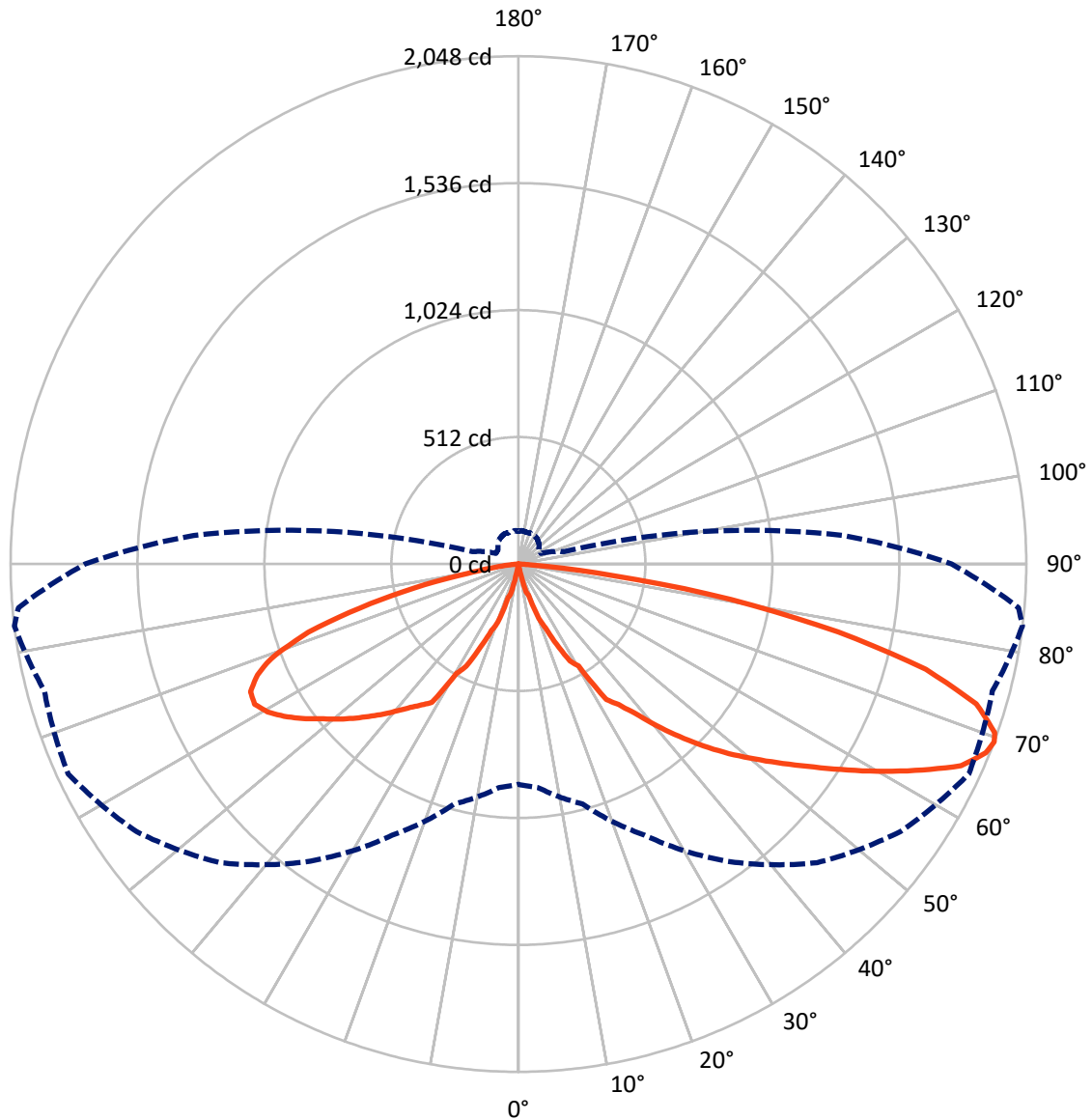


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	758.7	0.0	758.7
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	2818.3	0.0	2818.3
	% Fixture	78.8	0.0	78.8
Total	Lumens	3577.0	0.0	3577.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	36.4	1.0
20°-30°	143.4	4.0
30°-40°	319.2	8.9
40°-50°	542.0	15.2
50°-60°	807.8	22.6
60°-70°	951.3	26.6
70°-80°	665.9	18.6
80°-90°	108.7	3.0
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°	3577.0	100.0
0°-180°	3577.0	100.0



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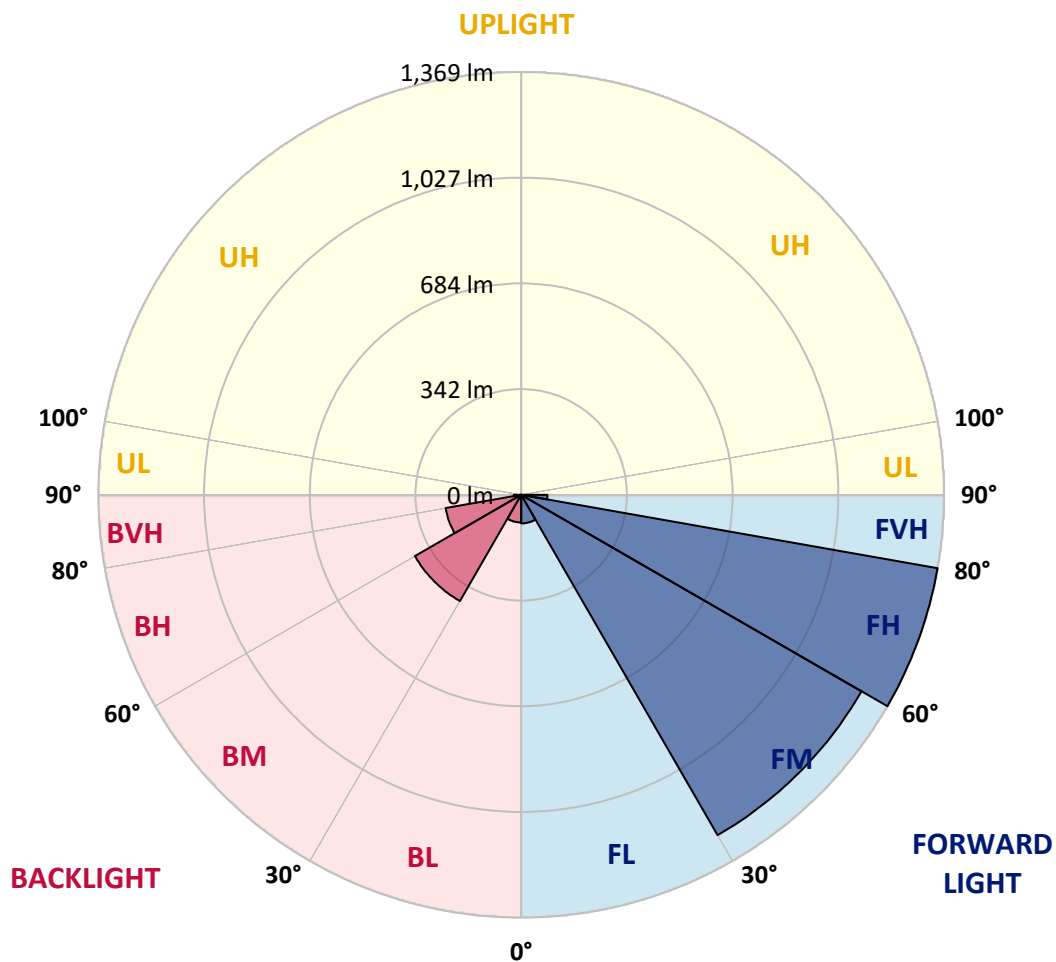
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.6	2.6			
FM	(30°-60°)	1272.0	35.6			
FH	(60°-80°)	1368.7	38.3			G1/1800
FVH	(80°-90°)	85.0	2.4			G1/100
BL	(0°-30°)	89.5	2.5	B0/110		
BM	(30°-60°)	397.0	11.1	B1/1000		
BH	(60°-80°)	248.5	6.9	B1/500		G1/500
BVH	(80°-90°)	23.7	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.9	1.5	1.9	2.3	2.3	1.9	1.5	1.5	1.5	1.5	1.2
5°	31.2	22.7	20.4	18.1	10.8	3.9	2.3	1.5	1.5	1.5	1.5
7.5°	65.8	65.8	65.8	66.2	65.8	48.9	11.6	2.7	1.5	1.5	1.5
10°	66.6	66.2	65.8	66.2	67.0	67.4	65.1	9.2	3.9	3.5	3.5
12.5°	120.5	119.8	115.5	80.9	68.5	68.9	70.5	50.8	18.5	48.9	57.0
15°	127.8	127.1	127.1	127.5	120.9	75.1	105.9	138.6	98.6	117.8	119.8
17.5°	143.3	139.0	135.5	133.2	134.0	149.4	150.2	153.3	114.8	132.1	134.4
20°	219.5	218.0	205.6	157.5	147.1	194.1	172.9	170.2	214.9	233.4	237.2
22.5°	250.7	249.1	240.3	231.8	241.8	211.4	246.1	253.8	291.1	280.0	283.4
25°	340.4	339.3	290.0	268.4	295.0	243.0	303.8	290.7	321.5	358.5	362.4
27.5°	416.7	414.0	404.0	362.0	329.2	364.3	336.2	388.5	436.7	442.8	454.4
30°	494.8	477.1	446.3	447.9	405.5	401.6	400.5	466.3	467.9	477.5	497.1
32.5°	622.7	614.6	588.8	509.1	499.8	446.3	492.9	497.1	611.1	651.2	655.0
35°	725.1	690.5	666.2	621.1	551.1	568.4	549.1	625.4	670.4	696.2	712.0
37.5°	888.4	893.0	853.3	689.3	645.4	625.4	658.9	700.1	756.3	762.5	786.3
40°	1005.8	1002.8	949.2	828.3	730.1	709.7	732.0	772.5	848.7	856.4	862.2
42.5°	1176.8	1161.8	1087.1	951.2	860.3	817.1	823.3	840.3	916.5	950.8	943.8
45°	1335.1	1325.1	1249.6	1082.1	983.5	933.1	923.8	908.8	1000.4	1046.3	1033.6
47.5°	1459.1	1441.4	1398.2	1227.6	1151.8	1065.9	1019.7	992.4	1083.6	1142.2	1124.4
50°	1591.9	1565.0	1526.1	1372.0	1297.3	1220.7	1119.1	1084.8	1177.2	1235.3	1221.1
52.5°	1680.1	1638.1	1613.9	1500.7	1431.7	1364.7	1215.7	1192.6	1280.0	1335.9	1332.8
55°	1635.8	1634.3	1658.9	1587.3	1520.3	1449.5	1316.2	1315.1	1387.5	1444.8	1447.5
57.5°	1558.8	1566.9	1637.0	1647.8	1619.3	1536.1	1440.6	1452.1	1513.8	1566.9	1572.7
60°	1460.6	1483.0	1583.8	1640.8	1663.6	1622.4	1560.4	1578.1	1651.6	1697.4	1695.9
62.5°	1330.8	1348.9	1474.5	1603.5	1649.7	1688.6	1670.9	1727.9	1786.0	1829.1	1840.3
65°	1177.6	1184.9	1320.8	1494.9	1614.3	1722.5	1763.3	1866.9	1895.0	1961.2	1963.5
67.5°	1007.8	1010.1	1128.3	1335.9	1537.3	1719.8	1841.9	1969.7	1962.4	2032.9	2027.5
69°	888.4	904.9	1002.0	1206.5	1462.5	1703.2	1880.7	2003.6	1978.9	2047.9	2024.4
70°	804.4	803.3	914.2	1096.7	1396.7	1682.0	1905.4	2012.4	1979.3	2037.5	2002.0
72.5°	512.5	520.2	616.1	778.3	1125.6	1559.6	1935.8	1989.0	1937.0	1931.2	1855.3
75°	226.4	205.6	265.7	412.0	707.8	1213.0	1862.6	1883.1	1816.4	1697.4	1567.3
77.5°	79.3	82.4	100.1	167.5	340.8	722.8	1543.8	1656.6	1604.3	1318.1	1173.0
80°	56.6	57.0	67.0	93.6	165.2	254.9	982.7	1198.4	1234.6	869.1	747.1
82.5°	40.0	40.0	49.7	59.7	114.4	114.0	422.8	659.3	704.3	385.5	288.4
85°	33.5	34.3	38.1	34.7	67.0	58.1	104.4	203.3	166.7	47.0	41.2
87.5°	5.0	4.6	13.1	11.6	10.0	8.5	11.6	13.1	8.9	6.9	5.0
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.5	1.5	1.5	1.5	1.2	0.8	0.8	0.8	1.2	1.2	1.2
5°	1.5	1.5	1.5	1.5	1.5	1.5	1.9	2.7	3.1	3.5	3.5
7.5°	1.5	1.5	1.5	1.9	2.3	3.5	18.9	65.5	71.6	74.7	76.6
10°	3.1	3.5	3.5	3.5	8.5	72.4	86.3	89.3	92.4	94.0	93.6
12.5°	59.7	61.6	15.4	11.2	67.4	90.5	93.2	96.3	99.4	101.7	101.3
15°	122.8	125.9	120.9	125.2	132.9	98.2	100.5	170.2	184.5	187.2	187.5
17.5°	137.1	139.4	141.7	184.5	189.1	145.6	174.1	186.8	188.3	189.1	189.5
20°	261.1	259.9	210.3	202.2	200.2	252.6	184.8	188.3	225.3	256.5	258.0
22.5°	288.0	291.5	277.6	296.9	263.0	255.7	233.0	249.5	263.4	263.0	261.9
25°	373.5	378.2	318.5	308.8	315.4	254.2	290.7	249.1	253.0	253.4	255.7
27.5°	467.1	468.3	442.1	347.7	310.4	314.6	273.8	265.3	296.5	298.4	298.4
30°	508.7	516.0	467.1	402.8	321.5	297.3	265.3	289.2	275.3	277.6	277.6
32.5°	675.8	670.0	610.0	398.9	333.1	273.4	277.3	268.0	296.9	304.6	305.4
35°	719.7	707.8	613.4	445.9	310.8	279.2	253.4	272.3	272.3	271.9	269.9
37.5°	774.0	753.2	606.1	412.8	312.7	254.9	244.5	244.9	267.2	272.3	268.8
40°	838.3	807.1	605.0	385.5	283.4	241.4	224.5	235.7	235.3	228.7	224.9
42.5°	908.0	866.8	602.3	353.1	254.5	226.4	211.8	208.3	210.3	198.3	197.2
45°	989.7	928.4	594.6	324.6	231.4	210.3	193.7	188.3	189.1	179.8	177.5
47.5°	1076.3	992.0	592.6	302.3	212.2	194.1	180.6	173.7	176.4	166.0	163.7
50°	1173.0	1057.4	586.1	281.5	191.0	179.1	169.1	161.0	161.3	153.3	151.3
52.5°	1278.1	1121.0	578.8	253.0	171.7	166.4	160.6	154.4	161.3	150.6	148.3
55°	1385.9	1198.4	569.2	219.9	154.4	156.7	151.0	155.6	165.6	148.6	145.6
57.5°	1505.7	1271.2	551.1	183.7	140.6	145.9	149.8	156.0	164.0	148.3	142.5
60°	1619.3	1341.2	507.9	155.2	128.6	137.1	147.5	153.6	152.9	145.6	141.7
62.5°	1734.8	1399.0	428.2	133.2	118.6	132.9	144.0	146.7	143.3	140.6	138.2
65°	1798.3	1413.3	331.9	118.6	110.5	127.1	139.8	142.1	137.1	137.1	135.2
67.5°	1787.9	1367.4	244.9	106.7	103.6	121.3	132.5	137.9	134.4	137.1	134.0
69°	1746.4	1315.1	192.5	100.5	100.1	116.7	128.2	134.4	131.7	135.5	131.7
70°	1697.4	1262.3	170.2	97.0	96.7	113.2	125.5	131.7	128.6	131.7	128.2
72.5°	1509.9	1083.2	122.1	87.4	88.6	106.3	119.0	123.6	120.9	121.7	117.1
75°	1207.2	805.2	96.7	79.3	80.5	98.2	111.7	114.4	112.4	109.0	106.3
77.5°	848.7	519.1	79.3	72.0	72.4	88.6	104.0	103.6	100.5	97.0	93.6
80°	462.9	244.1	67.4	63.2	64.3	78.9	92.8	91.6	87.8	84.3	80.1
82.5°	200.2	98.6	52.4	50.4	53.9	66.2	79.7	76.6	73.2	74.7	58.1
85°	35.8	33.9	30.4	32.3	36.6	47.0	56.2	53.5	51.6	43.9	40.4
87.5°	3.1	4.6	4.6	5.8	8.1	8.9	15.8	11.6	11.9	4.6	2.3
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)