

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: P414584

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414584
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-PA1-30-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3284 lumens
Efficiency: N/A
Efficacy: 105.9 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

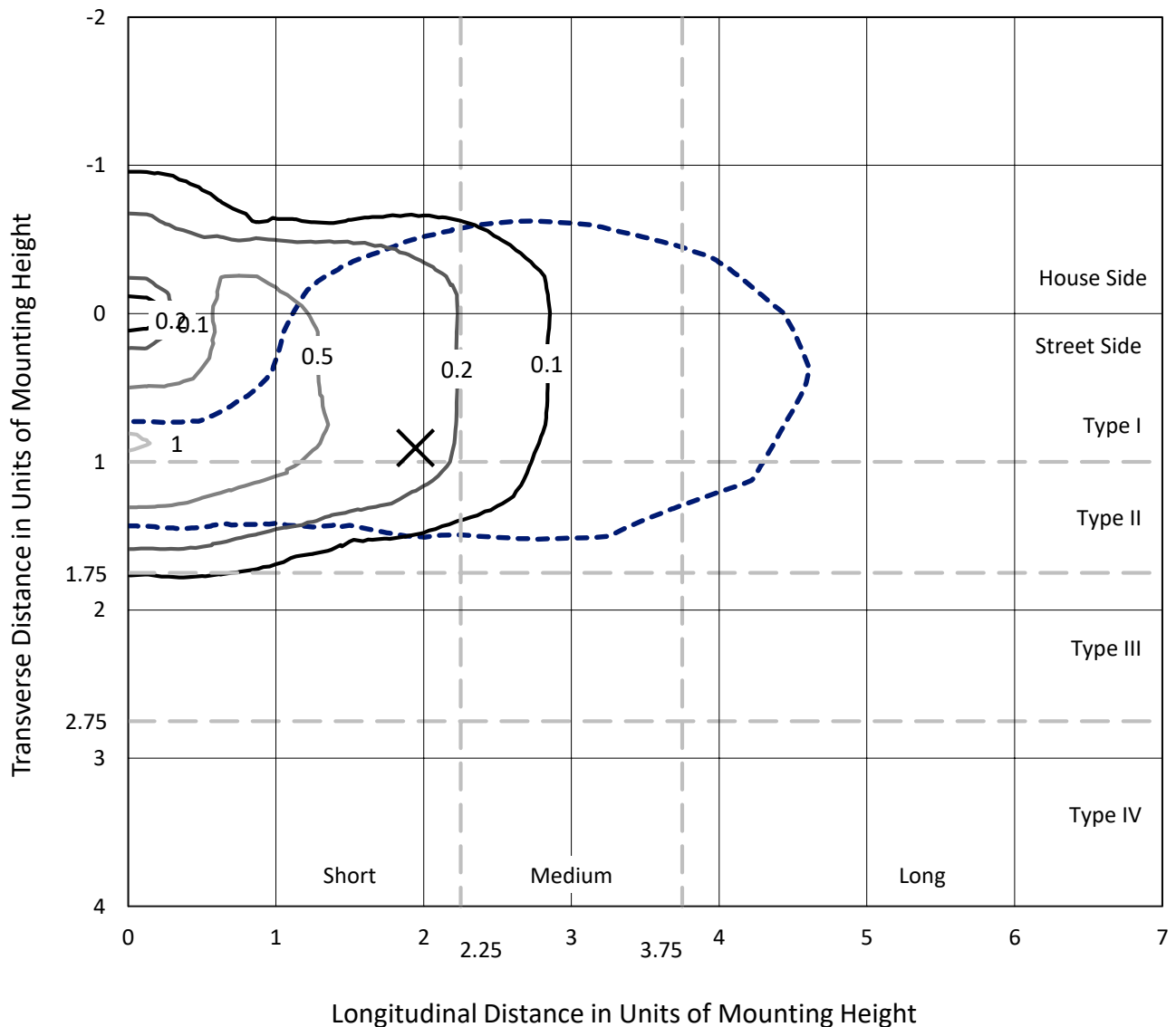
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

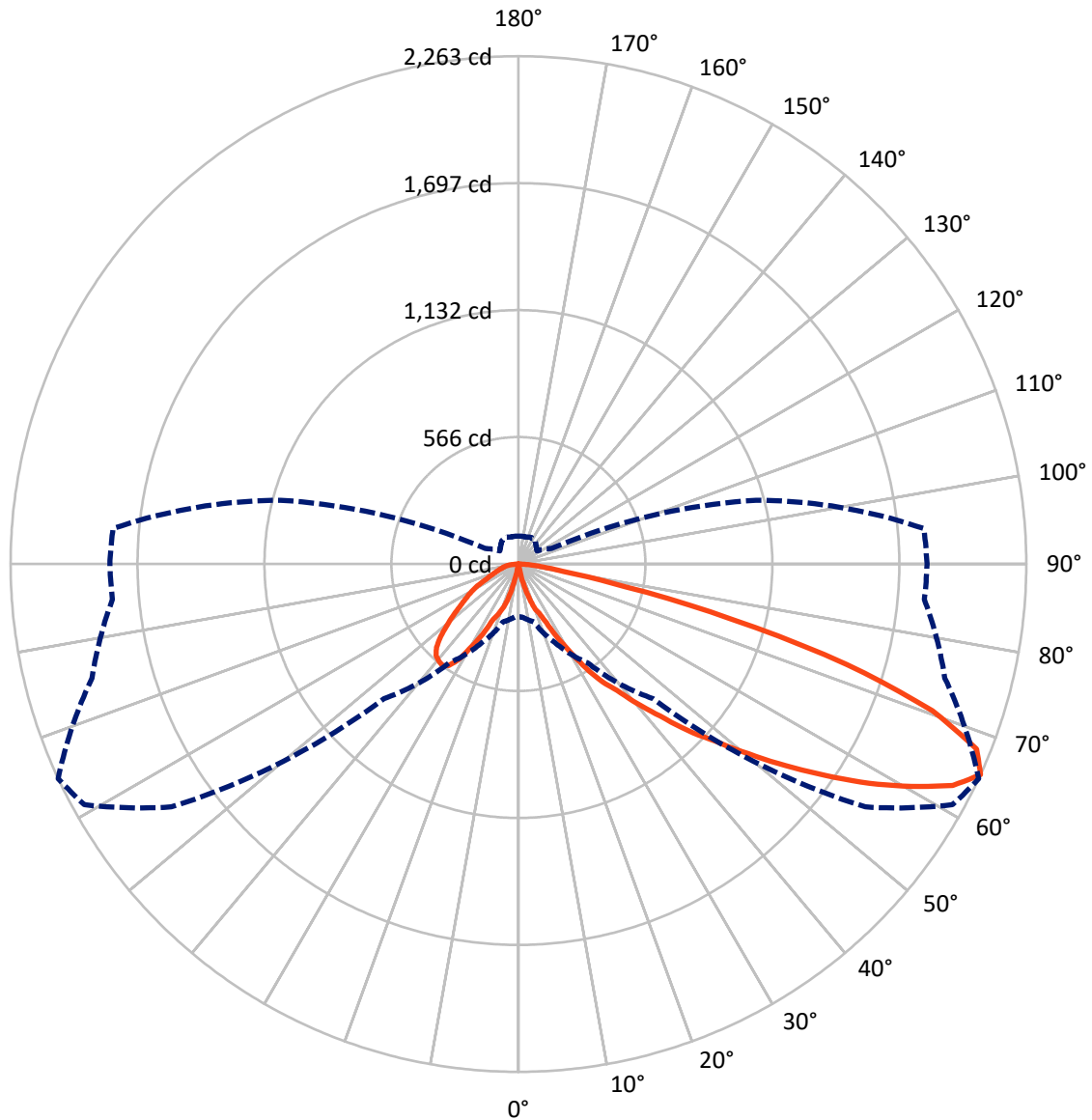


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - Non-Cutoff

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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	886.1	0.0	886.1
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	2397.9	0.0	2397.9
	% Fixture	73.0	0.0	73.0
Total	Lumens	3284.0	0.0	3284.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	36.3	1.1
20°-30°	139.7	4.3
30°-40°	349.6	10.6
40°-50°	650.9	19.8
50°-60°	852.3	26.0
60°-70°	764.0	23.3
70°-80°	420.3	12.8
80°-90°	68.7	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°	3284.0	100.0
0°-180°	3284.0	100.0



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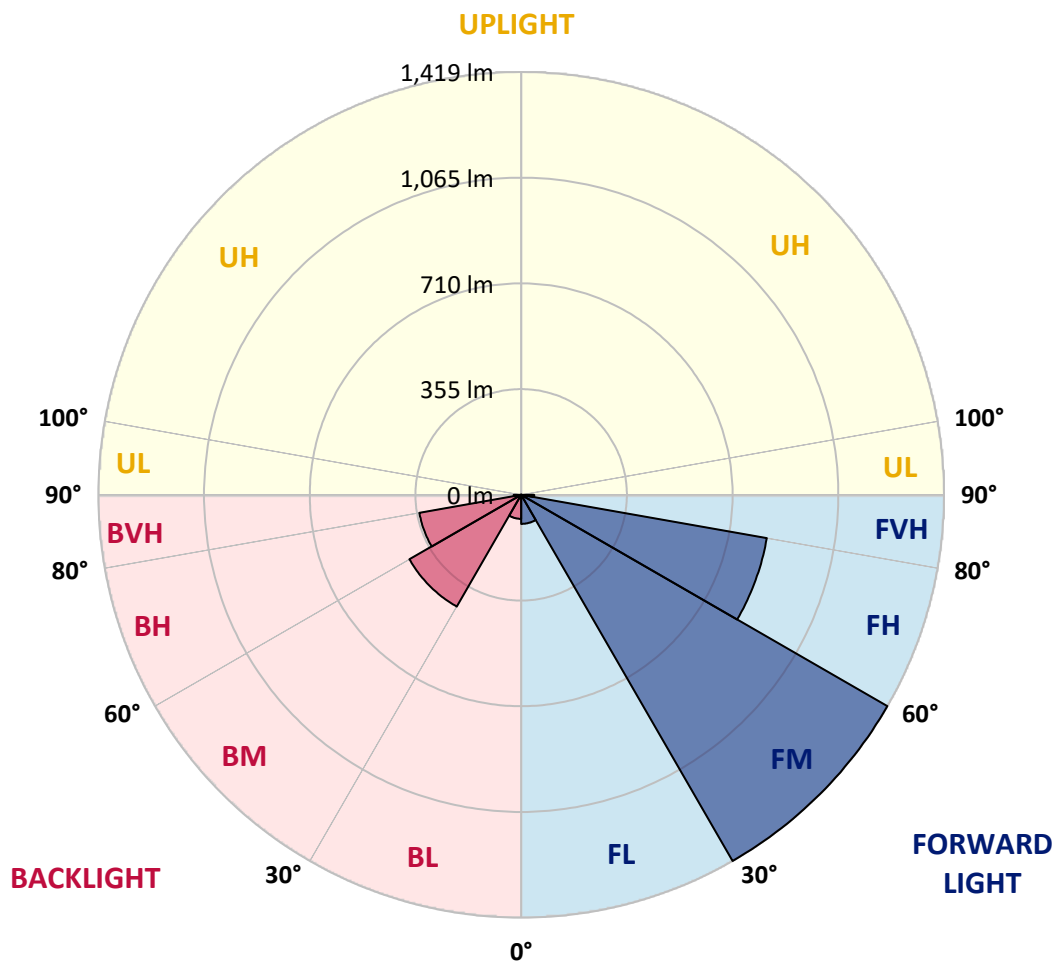
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.6	3.0			
FM (30°-60°)	1419.4	43.2			
FH (60°-80°)	837.3	25.5			G1/1800
FVH (80°-90°)	43.6	1.3			G1/100
BL (0°-30°)	80.7	2.5	B0/110		
BM (30°-60°)	433.3	13.2	B1/1000		
BH (60°-80°)	347.0	10.6	B1/500		G1/500
BVH (80°-90°)	25.1	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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.8	1.8	2.1	2.5	2.5	2.1	1.8	1.4	1.1	0.7	0.7
5°	16.3	14.5	11.3	7.8	4.6	3.5	2.8	2.1	1.8	1.1	0.7
7.5°	79.6	79.2	78.9	79.2	77.4	30.4	5.7	3.5	2.8	1.4	1.1
10°	79.9	79.6	79.2	79.9	79.9	78.9	75.0	11.0	5.7	3.5	3.5
12.5°	142.1	137.2	94.8	83.5	80.6	80.6	80.6	72.1	68.6	50.6	61.2
15°	149.2	148.2	147.8	148.5	131.5	87.0	121.6	114.6	116.0	99.0	117.4
17.5°	157.0	155.2	153.8	154.2	148.2	170.8	159.8	163.4	164.8	125.2	137.2
20°	243.3	243.3	224.9	170.4	187.1	214.3	176.8	194.1	215.0	187.1	192.0
22.5°	276.2	273.7	271.2	257.1	235.1	233.7	257.1	225.2	239.0	274.8	253.9
25°	375.5	376.2	315.4	296.7	328.5	286.4	306.9	305.2	288.9	333.1	321.8
27.5°	475.2	476.7	469.9	418.3	375.5	368.5	349.4	376.6	372.3	369.5	396.0
30°	568.2	567.9	537.5	515.9	492.9	451.9	430.7	436.3	453.3	437.8	494.0
32.5°	790.7	784.7	752.1	615.3	579.9	541.4	535.4	519.4	553.4	542.4	594.4
35°	938.8	937.4	878.4	801.3	689.5	646.7	647.5	617.7	645.7	659.8	668.0
37.5°	1269.8	1264.8	1175.0	949.1	861.0	773.0	756.7	742.6	713.6	754.6	754.2
40°	1448.0	1433.9	1354.7	1205.8	1011.0	904.9	870.9	840.5	819.7	843.7	840.5
42.5°	1586.6	1575.7	1519.8	1365.6	1206.5	1124.1	997.5	968.5	926.4	955.1	940.2
45°	1686.0	1680.3	1630.5	1515.9	1393.9	1333.4	1140.4	1095.1	1058.7	1054.8	1046.0
47.5°	1705.1	1693.1	1678.2	1613.9	1561.9	1543.8	1317.2	1239.0	1178.9	1167.6	1152.8
50°	1614.9	1611.4	1630.8	1619.2	1682.5	1724.5	1521.2	1413.0	1328.8	1288.9	1260.2
52.5°	1405.9	1413.4	1488.0	1540.0	1697.7	1850.4	1712.9	1608.2	1493.3	1405.2	1366.7
55°	1117.0	1143.9	1254.6	1362.8	1602.5	1904.9	1894.6	1812.2	1664.1	1535.4	1478.4
57.5°	857.8	855.0	997.5	1095.8	1409.5	1868.5	2012.7	1989.4	1843.7	1670.4	1585.2
60°	555.9	553.4	721.7	847.6	1086.3	1681.7	2073.9	2135.1	2012.4	1787.1	1681.4
62.5°	362.8	378.0	442.0	620.9	775.8	1300.6	2053.4	2225.6	2172.9	1895.3	1773.7
65°	233.4	239.0	267.0	386.8	537.8	848.3	1887.2	2212.2	2263.1	1967.5	1815.8
67.5°	174.0	175.4	188.8	240.5	366.0	443.4	1481.3	2025.5	2201.9	1972.4	1802.0
70°	152.8	155.6	168.7	181.4	272.3	279.0	866.0	1628.4	1956.5	1901.3	1732.3
72.5°	130.5	133.3	150.6	169.0	208.3	209.3	323.9	1082.0	1531.8	1757.1	1620.6
75°	106.4	108.2	123.4	148.2	173.6	168.0	187.4	489.0	980.5	1460.4	1445.5
77.5°	85.9	87.3	98.3	118.1	153.8	128.7	139.7	209.7	487.3	1054.5	1171.1
80°	62.2	62.9	73.5	90.5	115.6	114.9	104.3	133.0	201.2	616.0	775.5
82.5°	39.6	39.6	50.6	59.4	76.7	113.5	73.2	89.5	112.4	306.6	373.1
85°	22.3	23.0	31.8	34.7	44.9	69.0	52.7	49.5	60.8	111.0	91.9
87.5°	4.2	5.3	9.2	9.9	11.7	16.3	19.1	17.3	18.0	25.8	15.2
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°	0.7	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1	1.1
5°	0.7	1.1	1.4	1.4	1.8	2.5	2.8	2.8	3.2	3.5	3.2
7.5°	0.7	1.1	1.4	2.1	2.8	5.7	20.5	72.5	77.8	78.9	80.3
10°	3.2	3.2	3.5	3.9	15.9	76.0	81.7	82.4	83.1	83.5	83.8
12.5°	62.2	61.5	61.2	47.0	72.5	83.8	84.9	85.6	86.6	103.3	111.7
15°	118.8	119.2	113.2	108.6	126.2	91.9	97.9	151.3	156.6	158.4	159.5
17.5°	136.1	142.1	126.2	167.6	166.2	140.0	154.2	162.3	163.0	164.1	164.4
20°	193.4	192.0	183.9	210.0	180.0	230.2	190.9	164.4	206.9	227.7	228.1
22.5°	251.1	251.4	239.7	242.6	258.8	236.9	191.3	217.1	222.4	222.1	221.0
25°	323.5	320.7	315.1	269.8	305.5	257.8	254.6	210.4	211.1	228.1	239.0
27.5°	395.7	388.6	366.3	349.7	317.2	286.8	240.5	227.7	245.4	244.3	244.7
30°	495.4	484.4	422.9	420.8	336.6	283.9	244.7	226.7	220.6	222.1	221.4
32.5°	595.1	575.3	519.8	501.8	358.9	264.5	224.5	209.3	226.7	229.1	227.7
35°	656.6	640.4	621.3	549.5	361.4	243.6	203.3	206.9	205.8	204.7	205.4
37.5°	728.4	701.9	685.3	565.8	340.9	217.5	193.8	190.9	207.9	208.3	206.9
40°	808.7	778.6	741.5	558.3	294.2	197.0	180.0	189.2	190.2	186.0	184.9
42.5°	899.2	855.4	800.2	548.4	244.0	184.9	174.7	175.7	176.4	171.9	170.1
45°	990.4	939.2	850.4	520.9	207.6	172.9	166.5	166.2	162.7	158.4	157.4
47.5°	1092.6	1032.5	891.8	472.8	181.8	163.7	161.2	154.5	155.6	151.7	151.3
50°	1198.0	1133.3	915.5	415.1	164.8	155.9	151.7	149.6	152.4	147.8	147.1
52.5°	1301.3	1247.2	953.0	363.5	150.3	149.2	147.5	148.2	149.2	144.3	143.9
55°	1413.4	1374.5	987.3	314.4	137.6	140.0	146.0	145.7	145.3	140.7	140.7
57.5°	1516.3	1497.2	1022.3	276.5	127.7	131.9	142.9	142.9	141.1	137.2	136.8
60°	1635.8	1621.6	1055.5	242.6	119.2	124.5	139.0	139.3	136.1	133.3	132.6
62.5°	1744.3	1733.7	1082.0	206.9	110.0	118.1	133.3	135.8	131.2	129.1	129.1
65°	1820.7	1813.3	1096.5	162.7	101.1	111.7	127.3	130.8	124.8	124.5	124.5
67.5°	1827.4	1822.8	1066.5	135.8	94.8	105.7	119.9	123.4	118.1	119.2	117.0
70°	1764.8	1731.3	981.3	113.2	88.4	97.9	111.0	115.3	110.0	110.3	106.8
72.5°	1632.6	1535.7	830.6	96.2	81.3	89.5	101.5	105.4	100.4	99.4	95.5
75°	1410.2	1260.6	578.1	83.5	73.9	80.3	89.8	93.7	90.5	85.2	84.2
77.5°	1092.3	924.0	354.3	72.1	67.2	70.7	77.8	79.9	76.7	70.4	69.3
80°	688.5	554.1	170.8	62.6	58.3	60.1	64.7	66.5	64.0	57.6	54.1
82.5°	315.4	239.4	90.2	50.6	47.4	47.4	52.0	50.6	48.4	42.4	34.3
85°	73.5	75.7	41.7	31.1	30.1	26.9	31.1	30.8	27.6	21.2	17.7
87.5°	12.0	13.4	10.6	9.5	7.8	6.0	6.7	5.7	5.0	2.5	1.1
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)