

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: P414636

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414636
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-PA1-30-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3576 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 II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

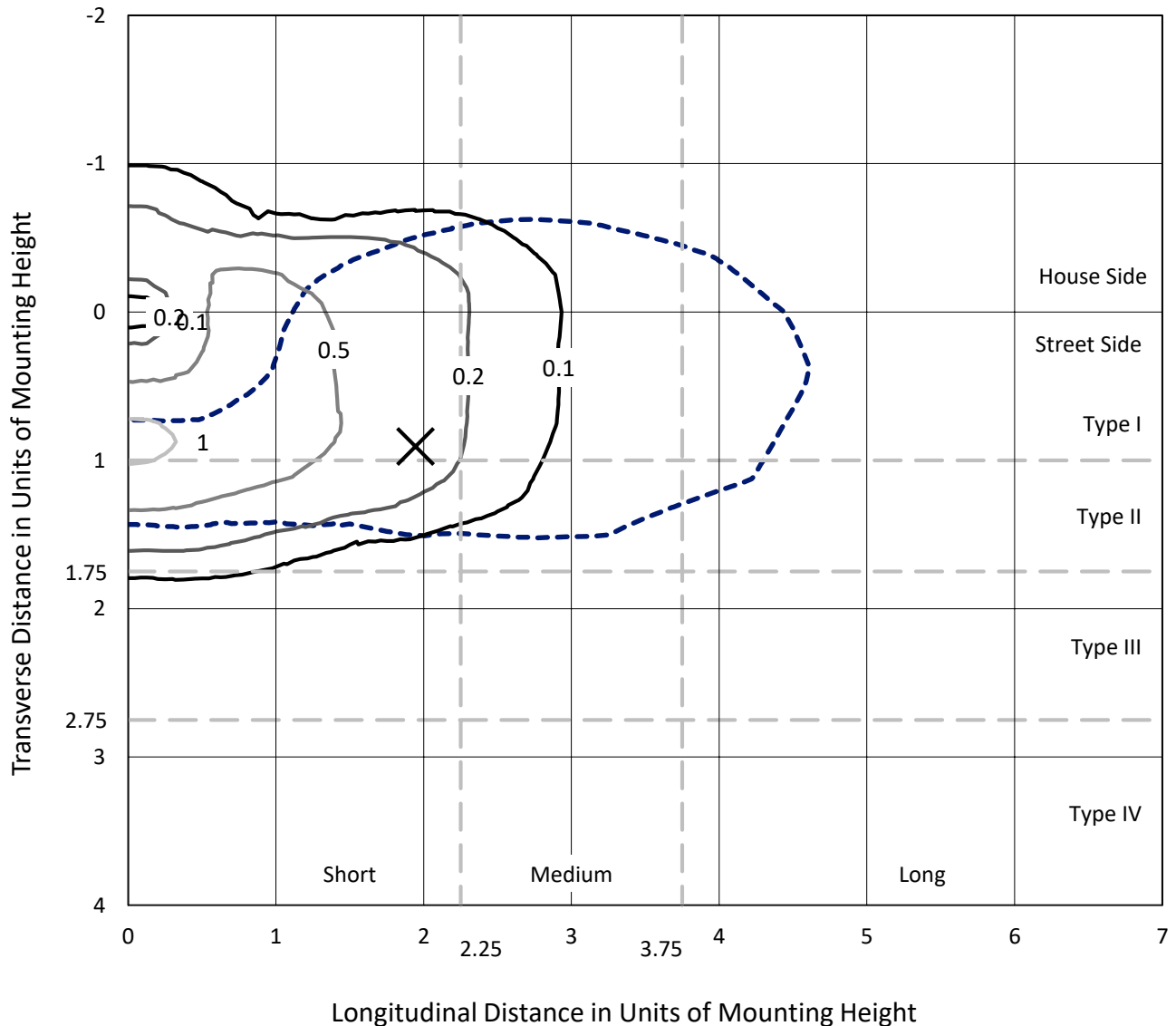
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

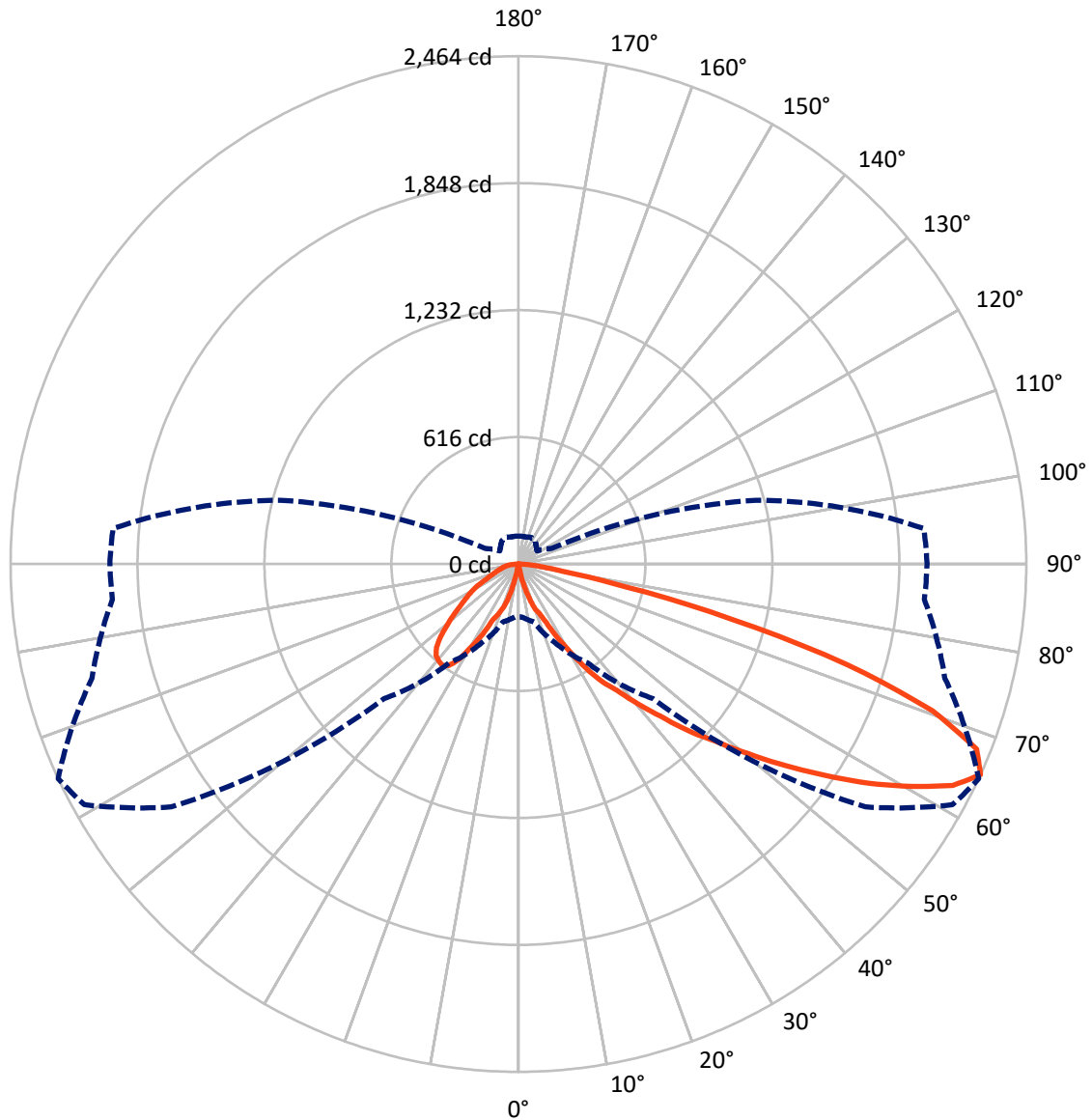
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	964.9	0.0	964.9
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	2611.1	0.0	2611.1
	% Fixture	73.0	0.0	73.0
Total	Lumens	3576.0	0.0	3576.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	39.5	1.1
20°-30°	152.1	4.3
30°-40°	380.7	10.6
40°-50°	708.7	19.8
50°-60°	928.0	26.0
60°-70°	832.0	23.3
70°-80°	457.6	12.8
80°-90°	74.8	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°	3576.0	100.0
0°-180°	3576.0	100.0



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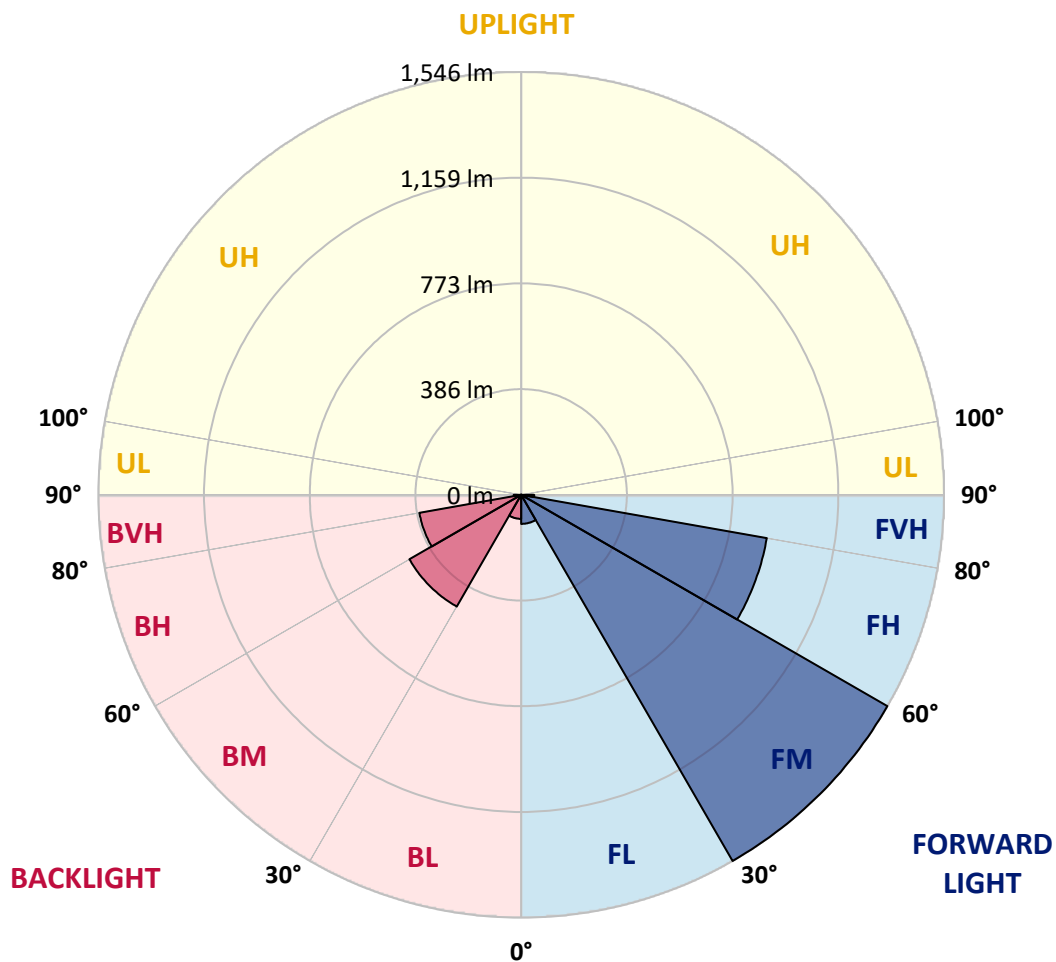
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.3	3.0			
FM (30°-60°)	1545.6	43.2			
FH (60°-80°)	911.7	25.5			G1/1800
FVH (80°-90°)	47.4	1.3			G1/100
BL (0°-30°)	87.9	2.5	B0/110		
BM (30°-60°)	471.8	13.2	B1/1000		
BH (60°-80°)	377.9	10.6	B1/500		G1/500
BVH (80°-90°)	27.3	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.9	1.9	2.3	2.7	2.7	2.3	1.9	1.5	1.2	0.8	0.8
5°	17.7	15.8	12.3	8.5	5.0	3.9	3.1	2.3	1.9	1.2	0.8
7.5°	86.6	86.3	85.9	86.3	84.3	33.1	6.2	3.9	3.1	1.5	1.2
10°	87.0	86.6	86.3	87.0	87.0	85.9	81.6	11.9	6.2	3.9	3.9
12.5°	154.8	149.4	103.2	90.9	87.8	87.8	87.8	78.5	74.7	55.1	66.6
15°	162.5	161.3	160.9	161.7	143.2	94.7	132.5	124.8	126.3	107.8	127.8
17.5°	171.0	169.0	167.5	167.9	161.3	186.0	174.0	177.9	179.4	136.3	149.4
20°	264.9	264.9	244.9	185.6	203.7	233.3	192.5	211.4	234.1	203.7	209.1
22.5°	300.7	298.0	295.3	279.9	256.1	254.5	279.9	245.3	260.3	299.2	276.5
25°	408.9	409.7	343.5	323.1	357.7	311.9	334.2	332.3	314.6	362.7	350.4
27.5°	517.5	519.0	511.7	455.5	408.9	401.2	380.4	410.1	405.5	402.4	431.3
30°	618.8	618.4	585.3	561.8	536.8	492.1	469.0	475.1	493.6	476.7	537.9
32.5°	861.0	854.4	819.0	670.0	631.5	589.5	583.0	565.6	602.6	590.7	647.3
35°	1022.3	1020.8	956.5	872.5	750.8	704.3	705.0	672.7	703.1	718.5	727.4
37.5°	1382.7	1377.3	1279.5	1033.5	937.6	841.7	824.0	808.6	777.0	821.7	821.3
40°	1576.8	1561.4	1475.1	1313.0	1100.8	985.3	948.4	915.3	892.5	918.7	915.3
42.5°	1727.7	1715.8	1654.9	1487.1	1313.8	1224.1	1086.2	1054.6	1008.8	1040.0	1023.8
45°	1835.9	1829.7	1775.5	1650.7	1517.9	1452.0	1241.8	1192.5	1152.8	1148.6	1139.0
47.5°	1856.7	1843.6	1827.4	1757.4	1700.8	1681.1	1434.3	1349.2	1283.7	1271.4	1255.3
50°	1758.5	1754.7	1775.8	1763.1	1832.1	1877.9	1656.5	1538.6	1447.0	1403.5	1372.3
52.5°	1530.9	1539.0	1620.3	1676.9	1848.6	2014.9	1865.2	1751.2	1626.1	1530.2	1488.2
55°	1216.4	1245.6	1366.1	1484.0	1745.0	2074.2	2063.1	1973.4	1812.0	1671.9	1609.9
57.5°	934.1	931.0	1086.2	1193.3	1534.8	2034.6	2191.7	2166.3	2007.6	1819.0	1726.2
60°	605.3	602.6	785.9	923.0	1182.9	1831.3	2258.3	2324.9	2191.3	1946.0	1830.9
62.5°	395.1	411.6	481.3	676.1	844.8	1416.2	2236.0	2423.5	2366.1	2063.9	1931.4
65°	254.1	260.3	290.7	421.2	585.7	923.7	2055.0	2408.9	2464.3	2142.4	1977.2
67.5°	189.4	191.0	205.6	261.8	398.5	482.8	1613.0	2205.5	2397.7	2147.8	1962.2
70°	166.3	169.4	183.7	197.5	296.5	303.8	943.0	1773.1	2130.5	2070.4	1886.3
72.5°	142.1	145.2	164.0	184.1	226.8	227.9	352.7	1178.2	1668.0	1913.3	1764.7
75°	115.9	117.8	134.4	161.3	189.1	182.9	204.1	532.5	1067.7	1590.2	1574.1
77.5°	93.6	95.1	107.0	128.6	167.5	140.2	152.1	228.3	530.6	1148.2	1275.3
80°	67.8	68.5	80.1	98.6	125.9	125.1	113.6	144.8	219.1	670.8	844.4
82.5°	43.1	43.1	55.1	64.7	83.6	123.6	79.7	97.4	122.4	333.8	406.2
85°	24.3	25.0	34.7	37.7	48.9	75.1	57.4	53.9	66.2	120.9	100.1
87.5°	4.6	5.8	10.0	10.8	12.7	17.7	20.8	18.9	19.6	28.1	16.6
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°	0.8	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2
5°	0.8	1.2	1.5	1.5	1.9	2.7	3.1	3.1	3.5	3.9	3.5
7.5°	0.8	1.2	1.5	2.3	3.1	6.2	22.3	78.9	84.7	85.9	87.4
10°	3.5	3.5	3.9	4.2	17.3	82.8	88.9	89.7	90.5	90.9	91.3
12.5°	67.8	67.0	66.6	51.2	78.9	91.3	92.4	93.2	94.3	112.4	121.7
15°	129.4	129.8	123.2	118.2	137.5	100.1	106.7	164.8	170.6	172.5	173.7
17.5°	148.2	154.8	137.5	182.5	181.0	152.5	167.9	176.7	177.5	178.7	179.0
20°	210.6	209.1	200.2	228.7	196.0	250.7	207.9	179.0	225.3	248.0	248.4
22.5°	273.4	273.8	261.1	264.1	281.9	258.0	208.3	236.4	242.2	241.8	240.7
25°	352.3	349.2	343.1	293.8	332.7	280.7	277.2	229.1	229.9	248.4	260.3
27.5°	430.9	423.2	398.9	380.8	345.4	312.3	261.8	248.0	267.2	266.1	266.5
30°	539.5	527.5	460.5	458.2	366.6	309.2	266.5	246.8	240.3	241.8	241.0
32.5°	648.0	626.5	566.0	546.4	390.8	288.0	244.5	227.9	246.8	249.5	248.0
35°	715.0	697.3	676.5	598.4	393.5	265.3	221.4	225.3	224.1	222.9	223.7
37.5°	793.2	764.3	746.2	616.1	371.2	236.8	211.0	207.9	226.4	226.8	225.3
40°	880.6	847.9	807.4	608.0	320.4	214.5	196.0	206.0	207.2	202.5	201.4
42.5°	979.2	931.4	871.4	597.2	265.7	201.4	190.2	191.4	192.1	187.1	185.2
45°	1078.5	1022.7	926.0	567.2	226.0	188.3	181.4	181.0	177.1	172.5	171.3
47.5°	1189.8	1124.3	971.1	514.8	197.9	178.3	175.6	168.3	169.4	165.2	164.8
50°	1304.5	1234.1	996.9	452.0	179.4	169.8	165.2	162.9	166.0	160.9	160.2
52.5°	1417.0	1358.1	1037.7	395.8	163.6	162.5	160.6	161.3	162.5	157.1	156.7
55°	1539.0	1496.7	1075.1	342.3	149.8	152.5	159.0	158.6	158.3	153.2	153.2
57.5°	1651.1	1630.3	1113.2	301.1	139.0	143.6	155.6	155.6	153.6	149.4	149.0
60°	1781.2	1765.8	1149.4	264.1	129.8	135.5	151.3	151.7	148.2	145.2	144.4
62.5°	1899.4	1887.9	1178.2	225.3	119.7	128.6	145.2	147.9	142.9	140.5	140.5
65°	1982.6	1974.5	1194.0	177.1	110.1	121.7	138.6	142.5	135.9	135.5	135.5
67.5°	1989.9	1984.9	1161.3	147.9	103.2	115.1	130.5	134.4	128.6	129.8	127.5
70°	1921.8	1885.2	1068.5	123.2	96.3	106.7	120.9	125.5	119.7	120.1	116.3
72.5°	1777.8	1672.3	904.5	104.7	88.6	97.4	110.5	114.7	109.4	108.2	104.0
75°	1535.6	1372.7	629.6	90.9	80.5	87.4	97.8	102.0	98.6	92.8	91.6
77.5°	1189.4	1006.1	385.8	78.5	73.2	77.0	84.7	87.0	83.6	76.6	75.5
80°	749.7	603.4	186.0	68.2	63.5	65.5	70.5	72.4	69.7	62.8	58.9
82.5°	343.5	260.7	98.2	55.1	51.6	51.6	56.6	55.1	52.8	46.2	37.3
85°	80.1	82.4	45.4	33.9	32.7	29.3	33.9	33.5	30.0	23.1	19.3
87.5°	13.1	14.6	11.6	10.4	8.5	6.5	7.3	6.2	5.4	2.7	1.2
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)