

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: P416698

Luminaire Tested: **LXF.LXT-PA1-80-730-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416698
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-PA1-80-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 8376 lumens
Efficiency: N/A
Efficacy: 100.9 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 - G3

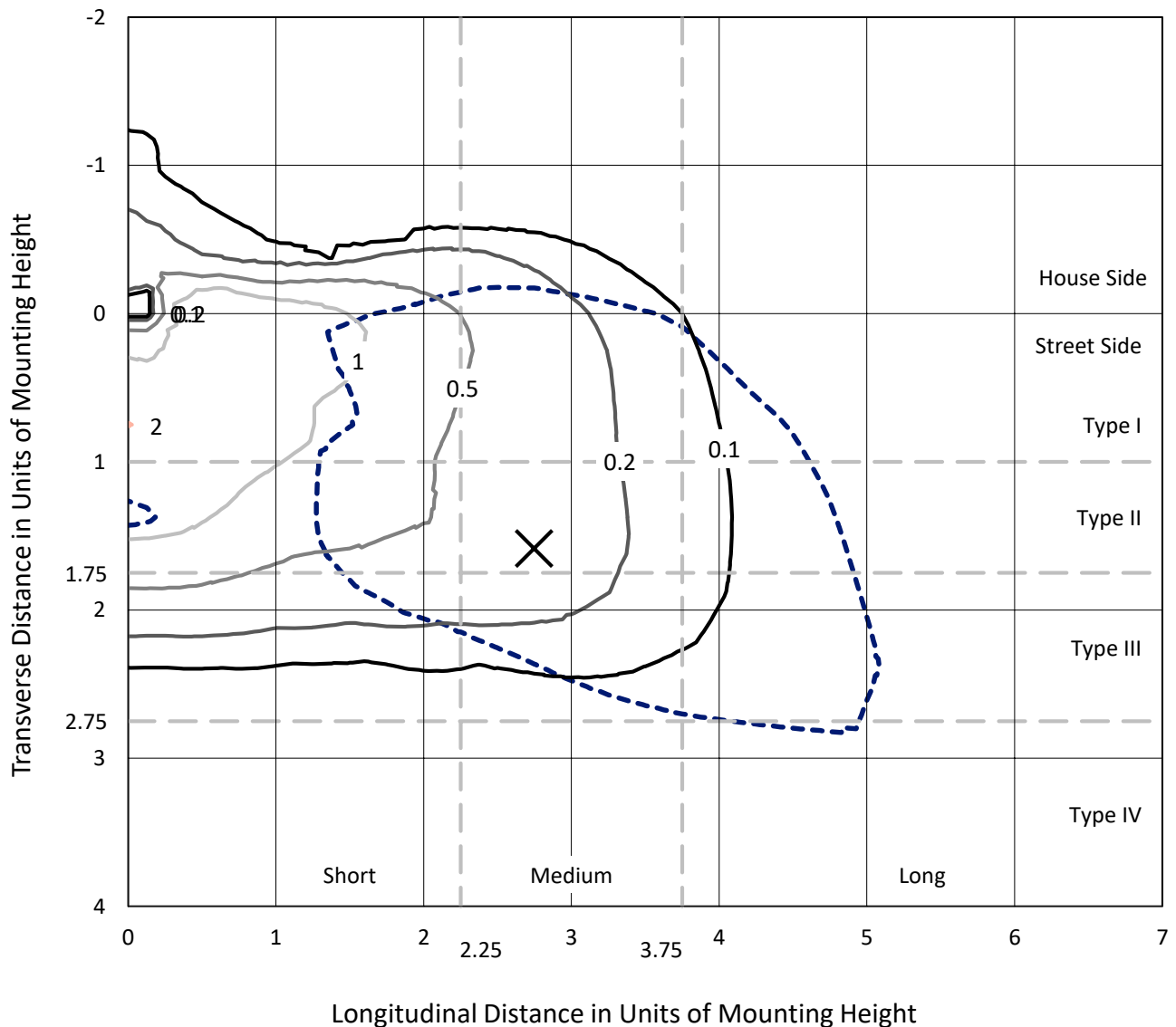
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

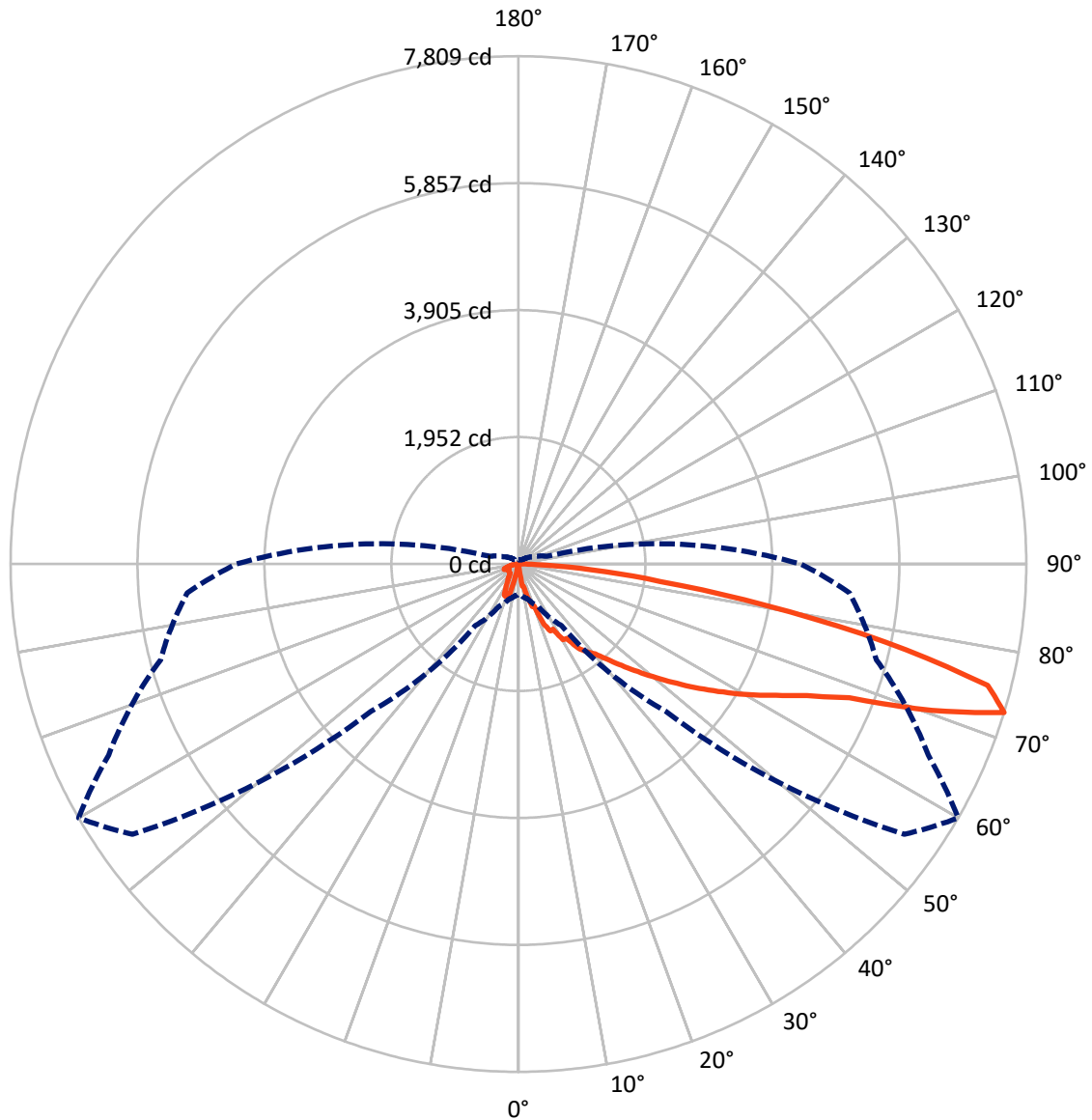
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1206.2	0.0	1206.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7169.7	0.0	7169.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	8376.0	0.0	8376.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	122.2	1.5
20°-30°	367.7	4.4
30°-40°	727.3	8.7
40°-50°	1204.7	14.4
50°-60°	1799.7	21.5
60°-70°	2140.9	25.6
70°-80°	1713.9	20.5
80°-90°	290.9	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°	8376.0	100.0
0°-180°	8376.0	100.0



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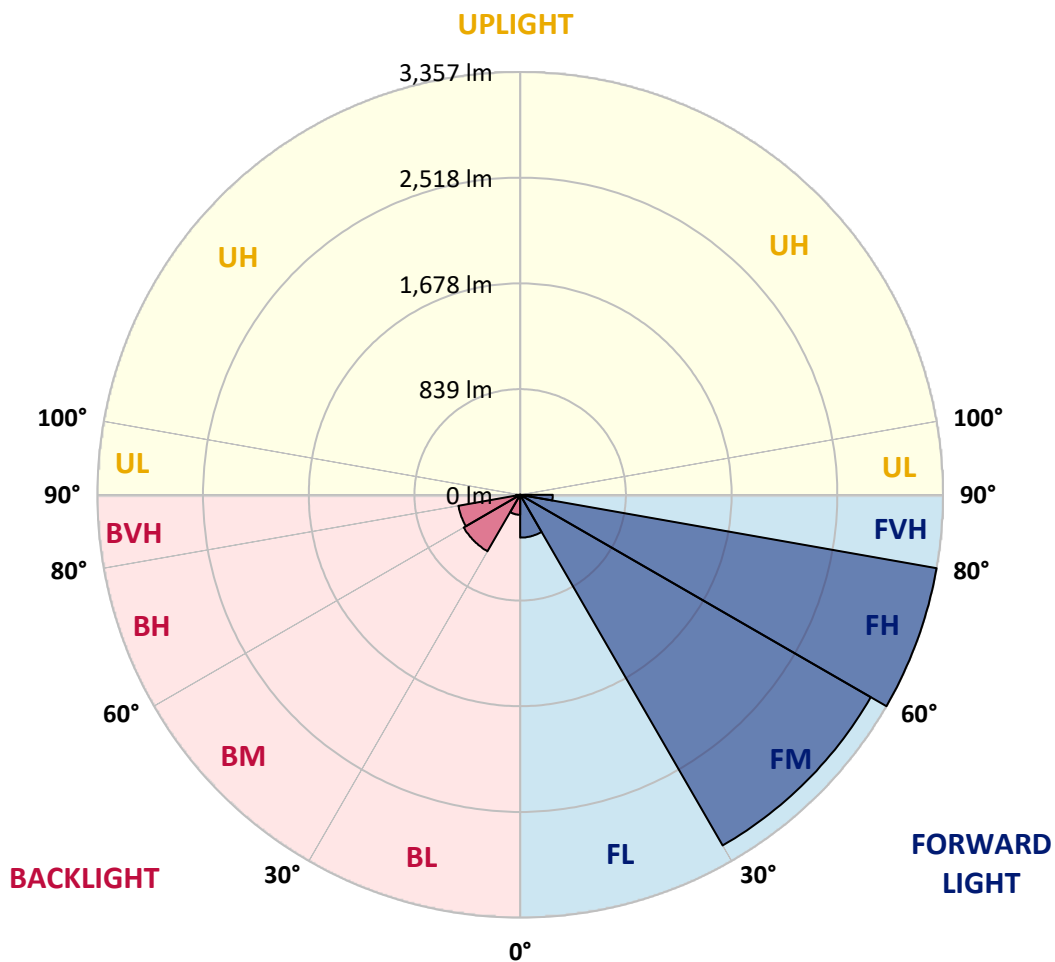
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.9	4.1			
FM	(30°-60°)	3214.1	38.4			
FH	(60°-80°)	3356.8	40.1			G2/5000
FVH	(80°-90°)	258.8	3.1			G3/500
BL	(0°-30°)	158.7	1.9	B1/500		
BM	(30°-60°)	517.5	6.2	B1/1000		
BH	(60°-80°)	497.9	5.9	B1/500		G1/500
BVH	(80°-90°)	32.1	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.6	4.6	5.5	6.4	6.4	5.5	4.6	4.6	4.6	3.6	4.6
5°	313.0	157.9	105.8	50.2	37.4	18.2	7.3	5.5	5.5	4.6	4.6
7.5°	359.5	359.5	360.4	364.1	366.8	368.6	45.6	23.7	9.1	4.6	4.6
10°	346.7	344.0	345.8	349.5	353.1	358.6	365.0	346.7	41.1	7.3	5.5
12.5°	640.6	638.7	616.8	375.9	348.6	348.6	357.7	358.6	282.0	27.4	26.5
15°	617.8	616.8	619.6	626.0	636.0	360.4	365.9	532.9	694.4	489.1	568.5
17.5°	635.1	627.8	611.4	607.7	616.8	579.4	681.6	689.8	705.4	562.1	575.8
20°	871.4	868.7	868.7	731.8	603.2	843.1	800.3	690.8	709.0	813.0	1018.3
22.5°	868.7	864.1	857.7	856.8	982.8	820.3	833.1	999.2	1039.3	1191.7	1150.7
25°	1180.8	1168.9	990.1	863.2	976.4	918.9	1113.2	1142.4	1056.7	1236.4	1177.1
27.5°	1282.1	1259.2	1202.7	1102.3	983.7	1116.9	1111.4	1135.1	1165.3	1689.9	1617.9
30°	1741.0	1633.4	1330.4	1280.2	1176.2	1130.6	1266.5	1349.6	1471.9	1655.3	1685.4
32.5°	1948.2	1908.9	1761.1	1575.9	1374.2	1220.9	1385.2	1364.2	1482.8	2012.0	2160.8
35°	2395.3	2346.9	1941.8	1774.8	1597.8	1496.5	1424.4	1593.2	1739.2	2092.3	2201.8
37.5°	2482.9	2471.9	2378.0	2078.7	1841.4	1645.2	1667.1	1712.8	1807.7	2204.6	2317.7
40°	2551.3	2552.2	2579.6	2321.4	2065.9	1884.3	1818.6	1819.5	1900.7	2388.9	2466.5
42.5°	2732.0	2739.3	2813.2	2537.6	2337.8	2163.5	2049.5	1999.3	2061.3	2600.6	2649.0
45°	3057.8	3041.3	3104.3	2760.3	2542.2	2392.6	2301.3	2224.7	2257.5	2826.0	2881.7
47.5°	3467.5	3432.8	3411.8	3037.7	2764.9	2636.2	2551.3	2471.0	2481.1	3041.3	3148.1
50°	3784.1	3766.8	3658.2	3247.6	2956.5	2881.7	2846.1	2746.6	2703.7	3281.3	3452.9
52.5°	3919.2	3902.7	3768.6	3406.3	3108.0	3116.2	3178.2	3048.6	2928.2	3541.4	3743.1
55°	3895.4	3881.7	3793.2	3484.8	3217.5	3342.5	3504.9	3375.3	3219.3	3786.9	4038.7
57.5°	3720.2	3726.6	3725.7	3490.3	3301.4	3555.1	3824.3	3712.9	3527.7	4030.5	4278.7
60°	3333.3	3367.1	3493.0	3451.1	3408.2	3755.8	4134.5	4082.5	3886.3	4297.8	4500.4
62.5°	2670.0	2736.6	3012.1	3236.6	3493.9	4036.9	4437.5	4443.8	4257.7	4505.0	4672.0
65°	1801.3	1795.8	2206.4	2763.0	3392.7	4478.5	4890.1	4877.3	4601.7	4741.3	4924.7
67.5°	1001.0	1022.9	1292.1	1828.6	3003.0	4752.3	5758.7	5485.0	5076.2	5101.8	5279.7
70°	619.6	646.0	736.4	1022.0	1922.6	4432.9	6874.7	6747.0	5953.1	5579.9	5423.0
72.5°	470.8	485.4	558.4	724.5	1157.0	3206.5	7245.2	7809.1	6953.2	5697.6	5110.9
75°	281.0	298.4	397.8	626.0	964.5	1659.8	6281.6	7451.4	7270.8	5622.8	4460.3
77.5°	175.2	179.8	214.4	437.1	888.8	1044.8	4303.3	5771.5	5925.7	4762.3	3151.8
80°	134.1	135.0	147.8	232.7	718.1	989.1	2492.0	3854.4	3777.7	2543.1	1238.3
82.5°	84.9	90.3	115.0	142.3	341.3	964.5	1472.8	2194.5	1931.7	688.0	344.9
85°	42.9	48.4	81.2	97.6	165.2	1044.8	1044.8	1125.1	791.1	230.9	130.5
87.5°	7.3	7.3	10.9	25.5	32.8	177.0	292.0	254.6	167.9	31.0	25.5
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	4.6	4.6	4.6	3.6	2.7	1.8	0.9	0.9	0.9	1.8	1.8
5°	4.6	4.6	4.6	3.6	2.7	1.8	0.9	0.9	1.8	2.7	2.7
7.5°	4.6	4.6	4.6	3.6	2.7	2.7	1.8	3.6	8.2	106.8	72.1
10°	5.5	5.5	5.5	4.6	3.6	10.0	312.1	329.4	330.3	328.5	324.8
12.5°	29.2	31.9	23.7	8.2	33.8	313.0	300.2	285.6	280.1	273.7	273.7
15°	576.7	569.4	537.5	396.0	242.7	279.2	250.9	231.8	359.5	355.0	358.6
17.5°	578.5	565.7	520.1	566.7	525.6	250.9	284.7	309.3	292.0	285.6	288.3
20°	1097.7	1038.4	527.4	528.3	450.8	445.3	241.8	228.1	230.9	236.3	238.2
22.5°	1117.8	1049.4	809.4	684.4	386.9	356.8	247.3	198.0	292.9	325.8	329.4
25°	1126.9	1041.2	764.7	605.9	437.1	267.4	239.1	217.2	267.4	300.2	302.0
27.5°	1593.2	1443.6	1044.8	514.6	337.6	234.5	223.6	204.4	240.0	297.5	298.4
30°	1579.5	1403.4	968.2	498.2	261.0	216.3	193.4	213.5	226.3	241.8	241.8
32.5°	2054.0	1801.3	1074.0	401.5	219.0	179.8	182.5	194.4	195.3	230.9	233.6
35°	2054.9	1762.0	925.3	366.8	188.0	164.2	167.0	179.8	198.9	221.7	225.4
37.5°	2086.9	1744.7	797.5	285.6	188.0	164.2	158.8	171.5	185.2	217.2	220.8
40°	2154.4	1752.0	676.2	237.2	181.6	161.5	156.9	167.0	183.4	201.7	203.5
42.5°	2269.4	1793.1	561.2	214.4	177.0	161.5	150.6	157.9	167.0	204.4	208.0
45°	2451.9	1880.7	472.7	205.3	175.2	155.1	143.3	145.1	151.5	241.8	251.8
47.5°	2665.4	2002.0	396.0	200.7	172.5	148.7	132.3	134.1	148.7	274.7	288.3
50°	2911.8	2181.8	350.4	199.8	169.7	139.6	124.1	134.1	164.2	273.7	280.1
52.5°	3201.0	2364.3	325.8	203.5	167.9	131.4	128.7	150.6	156.0	219.9	219.9
55°	3461.1	2566.8	327.6	206.2	162.4	131.4	132.3	127.7	123.2	151.5	152.4
57.5°	3716.6	2768.5	357.7	200.7	154.2	132.3	114.1	104.9	106.8	128.7	131.4
60°	3938.3	2962.9	448.0	188.9	146.9	119.5	105.8	98.5	100.4	129.6	132.3
62.5°	4177.4	3200.1	620.5	193.4	146.0	113.1	98.5	90.3	94.0	107.7	109.5
65°	4500.4	3531.4	775.6	228.1	151.5	109.5	90.3	85.8	86.7	87.6	87.6
67.5°	4817.1	3735.8	748.2	269.2	169.7	107.7	85.8	80.3	79.4	79.4	79.4
70°	4786.0	3514.0	593.1	285.6	184.3	107.7	82.1	74.8	73.0	73.0	73.0
72.5°	4338.0	3005.8	455.3	264.6	169.7	103.1	76.6	68.4	65.7	65.7	65.7
75°	3691.0	2410.8	382.3	229.9	138.7	88.5	67.5	61.1	59.3	59.3	58.4
77.5°	2357.9	1425.3	324.8	187.1	106.8	72.1	58.4	52.9	52.9	52.9	50.2
80°	946.3	626.9	252.8	147.8	83.0	57.5	48.4	45.6	44.7	43.8	41.1
82.5°	359.5	309.3	164.2	107.7	63.9	43.8	39.2	36.5	36.5	35.6	31.0
85°	128.7	120.4	75.7	62.0	39.2	27.4	30.1	27.4	26.5	23.7	20.1
87.5°	27.4	30.1	21.0	13.7	13.7	8.2	10.0	10.9	10.9	10.0	5.5
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)