

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: P415450

Luminaire Tested: **LXF.LXT-PA1-50-730-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415450
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-PA1-50-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5914 lumens
Efficiency: N/A
Efficacy: 109.5 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

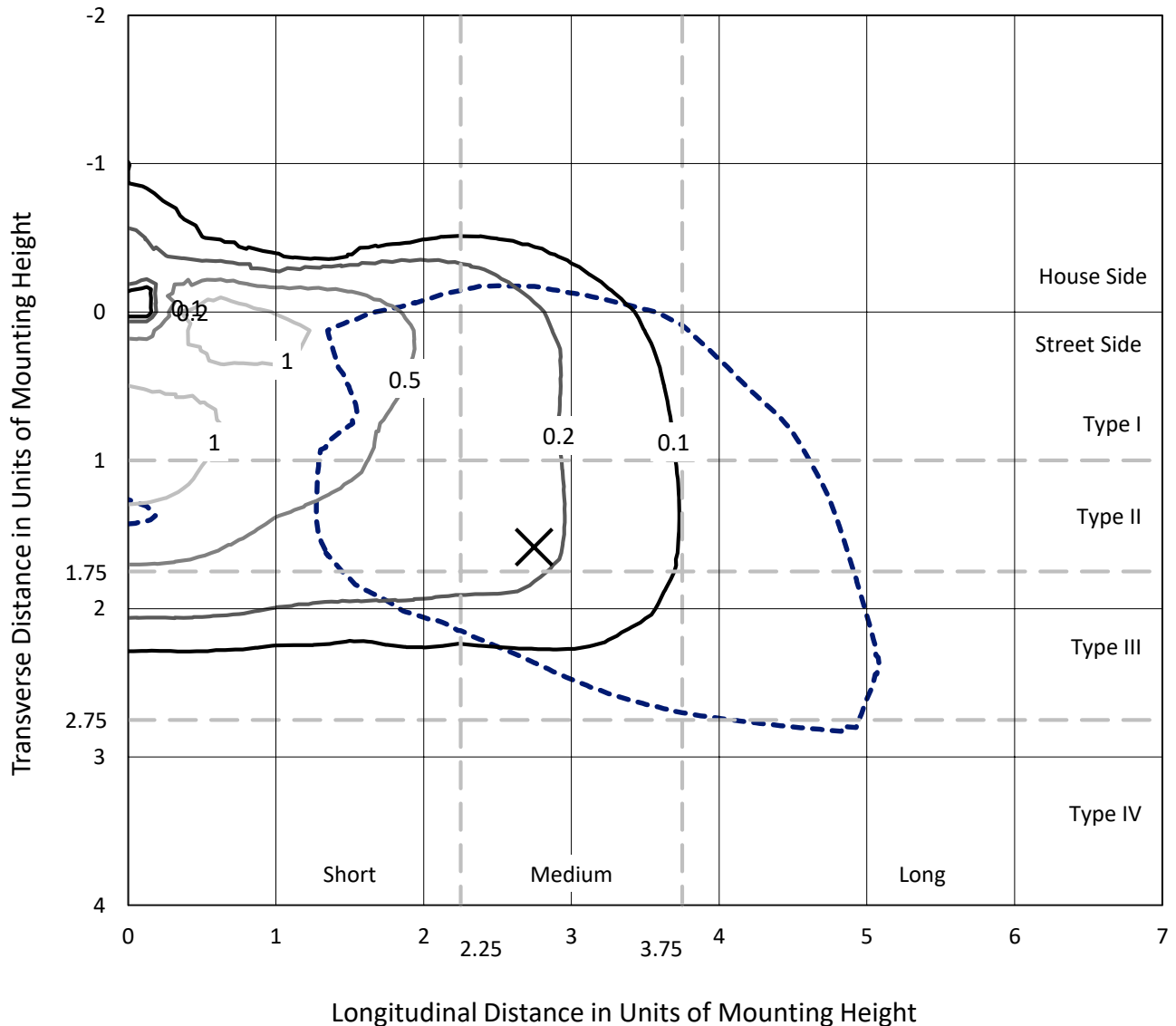
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

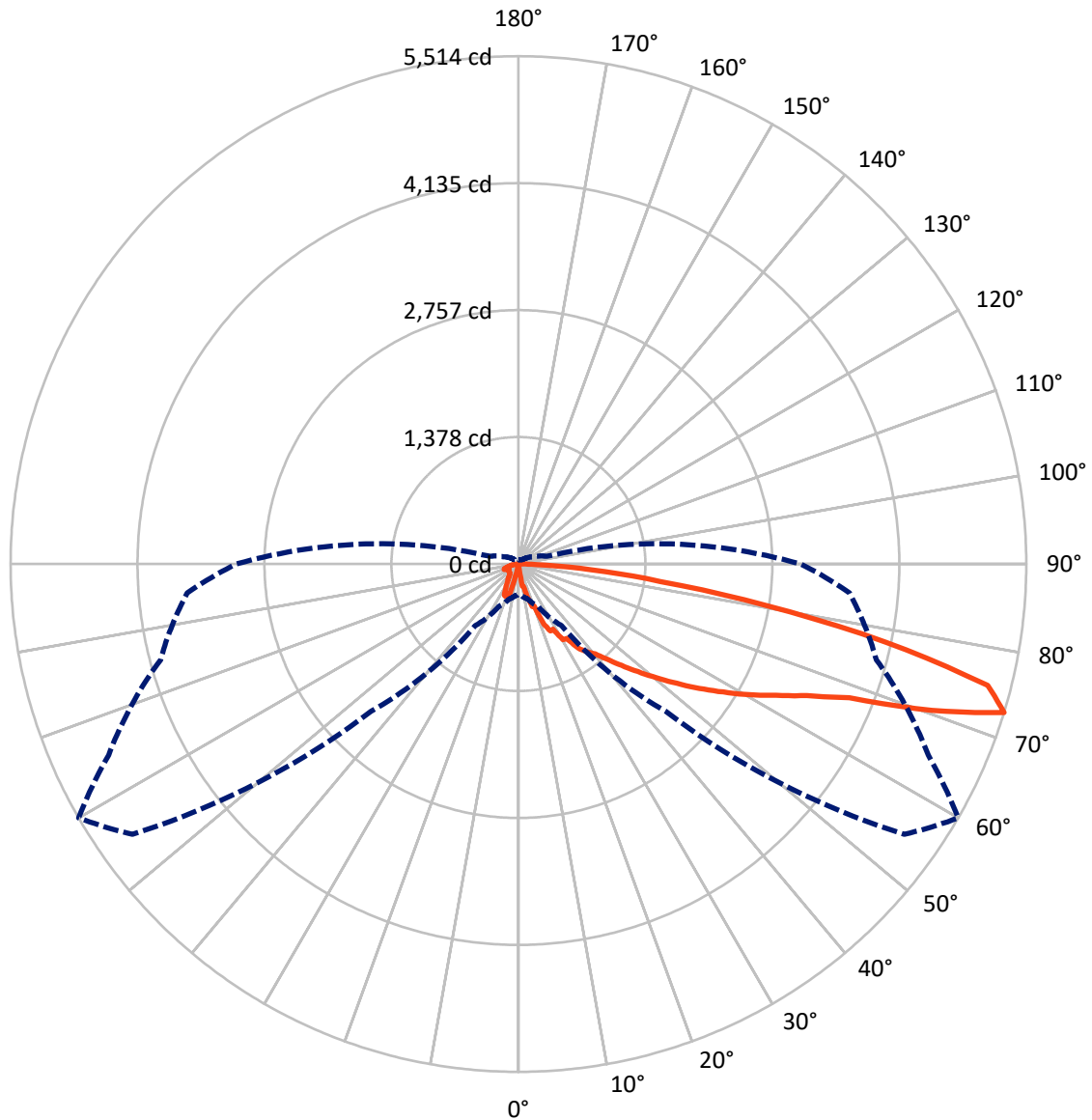
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	851.7	0.0	851.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5062.3	0.0	5062.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	5914.0	0.0	5914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	86.3	1.5
20°-30°	259.6	4.4
30°-40°	513.5	8.7
40°-50°	850.6	14.4
50°-60°	1270.7	21.5
60°-70°	1511.6	25.6
70°-80°	1210.1	20.5
80°-90°	205.4	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°	5914.0	100.0
0°-180°	5914.0	100.0

Coefficient of Utilization



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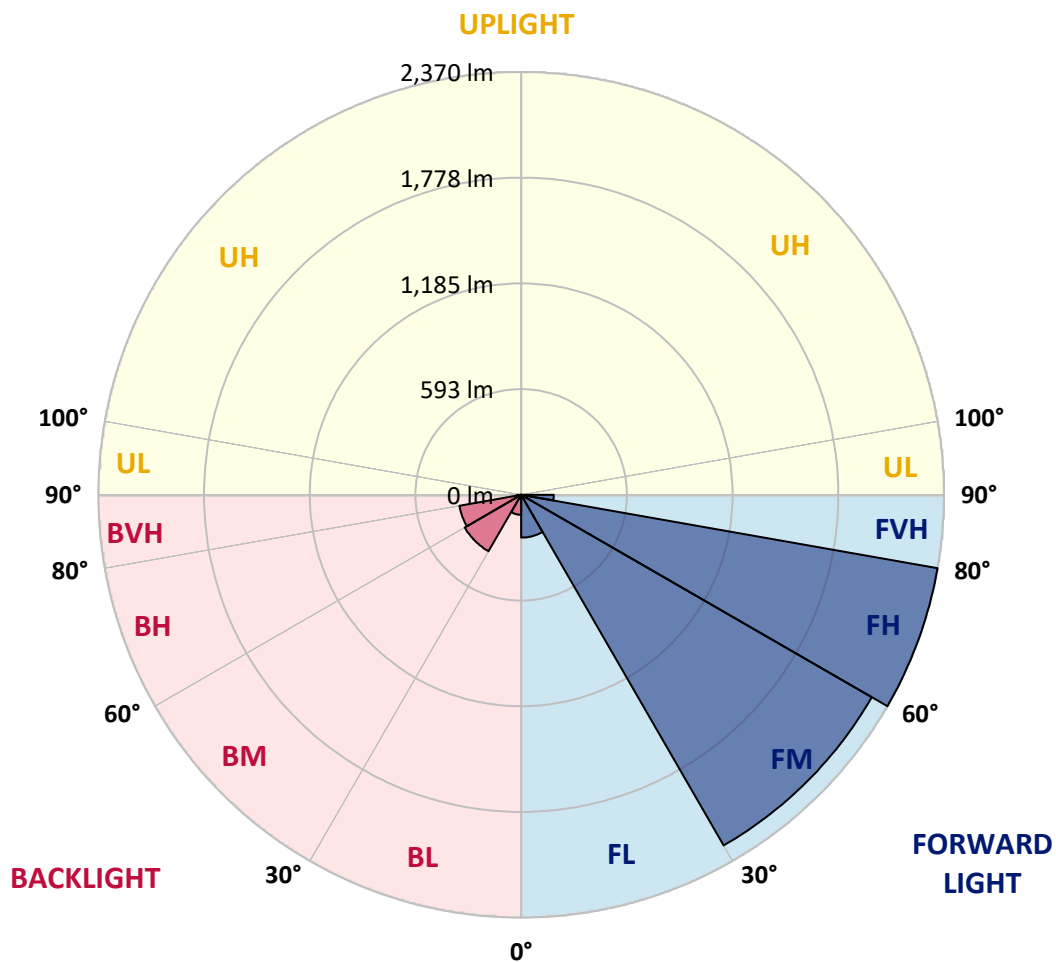
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.0	4.1			
FM	(30°-60°)	2269.4	38.4			
FH	(60°-80°)	2370.1	40.1			G2/5000
FVH	(80°-90°)	182.7	3.1			G2/225
BL	(0°-30°)	112.1	1.9	B1/500		
BM	(30°-60°)	365.4	6.2	B1/1000		
BH	(60°-80°)	351.6	5.9	B1/500		G1/500
BVH	(80°-90°)	22.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.2	3.2	3.9	4.5	4.5	3.9	3.2	3.2	3.2	2.6	3.2
5°	221.0	111.5	74.7	35.4	26.4	12.9	5.2	3.9	3.9	3.2	3.2
7.5°	253.8	253.8	254.5	257.1	259.0	260.3	32.2	16.8	6.4	3.2	3.2
10°	244.8	242.9	244.2	246.8	249.3	253.2	257.7	244.8	29.0	5.2	3.9
12.5°	452.3	451.0	435.5	265.4	246.1	246.1	252.6	253.2	199.1	19.3	18.7
15°	436.2	435.5	437.5	442.0	449.1	254.5	258.4	376.3	490.3	345.3	401.4
17.5°	448.4	443.3	431.7	429.1	435.5	409.1	481.3	487.1	498.0	396.9	406.5
20°	615.3	613.4	613.4	516.7	425.9	595.3	565.0	487.7	500.6	574.1	719.0
22.5°	613.4	610.1	605.6	605.0	693.9	579.2	588.2	705.5	733.8	841.4	812.4
25°	833.7	825.3	699.0	609.5	689.4	648.8	786.0	806.6	746.1	873.0	831.1
27.5°	905.2	889.1	849.2	778.3	694.5	788.6	784.7	801.5	822.7	1193.2	1142.3
30°	1229.3	1153.3	939.4	903.9	830.5	798.3	894.3	952.9	1039.2	1168.7	1190.0
32.5°	1375.5	1347.8	1243.5	1112.7	970.3	862.0	978.0	963.2	1047.0	1420.6	1525.7
35°	1691.2	1657.1	1371.0	1253.1	1128.1	1056.6	1005.7	1124.9	1228.0	1477.3	1554.6
37.5°	1753.1	1745.4	1679.0	1467.7	1300.2	1161.6	1177.1	1209.3	1276.3	1556.6	1636.5
40°	1801.4	1802.1	1821.4	1639.0	1458.6	1330.4	1284.1	1284.7	1342.0	1686.7	1741.5
42.5°	1929.0	1934.1	1986.3	1791.7	1650.6	1527.6	1447.1	1411.6	1455.4	1836.2	1870.3
45°	2159.0	2147.4	2191.8	1948.9	1795.0	1689.3	1624.9	1570.8	1593.9	1995.3	2034.6
47.5°	2448.3	2423.8	2409.0	2144.8	1952.2	1861.3	1801.4	1744.7	1751.8	2147.4	2222.8
50°	2671.8	2659.6	2582.9	2293.0	2087.5	2034.6	2009.5	1939.3	1909.0	2316.8	2438.0
52.5°	2767.2	2755.6	2660.9	2405.1	2194.4	2200.2	2244.0	2152.5	2067.5	2500.5	2642.8
55°	2750.4	2740.8	2678.3	2460.5	2271.7	2360.0	2474.7	2383.2	2273.0	2673.8	2851.6
57.5°	2626.7	2631.2	2630.6	2464.4	2331.0	2510.1	2700.2	2621.6	2490.8	2845.8	3021.0
60°	2353.6	2377.4	2466.3	2436.7	2406.4	2651.9	2919.2	2882.5	2744.0	3034.6	3177.6
62.5°	1885.2	1932.2	2126.8	2285.3	2466.9	2850.3	3133.1	3137.6	3006.2	3180.8	3298.7
65°	1271.8	1267.9	1557.9	1950.9	2395.4	3162.1	3452.7	3443.7	3249.1	3347.7	3477.2
67.5°	706.8	722.2	912.3	1291.1	2120.3	3355.4	4066.1	3872.8	3584.1	3602.2	3727.8
70°	437.5	456.2	519.9	721.6	1357.5	3129.9	4854.0	4763.8	4203.3	3939.8	3829.0
72.5°	332.4	342.8	394.3	511.6	816.9	2264.0	5115.6	5513.7	4909.4	4022.9	3608.6
75°	198.4	210.7	280.9	442.0	681.0	1171.9	4435.2	5261.2	5133.6	3970.1	3149.2
77.5°	123.7	126.9	151.4	308.6	627.5	737.7	3038.4	4075.1	4184.0	3362.5	2225.3
80°	94.7	95.4	104.4	164.3	507.0	698.4	1759.5	2721.4	2667.3	1795.6	874.3
82.5°	59.9	63.8	81.2	100.5	241.0	681.0	1039.9	1549.5	1363.9	485.8	243.5
85°	30.3	34.1	57.3	68.9	116.6	737.7	737.7	794.4	558.6	163.0	92.1
87.5°	5.2	5.2	7.7	18.0	23.2	125.0	206.2	179.8	118.5	21.9	18.0
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.2	3.2	3.2	2.6	1.9	1.3	0.6	0.6	0.6	1.3	1.3
5°	3.2	3.2	3.2	2.6	1.9	1.3	0.6	0.6	1.3	1.9	1.9
7.5°	3.2	3.2	3.2	2.6	1.9	1.9	1.3	2.6	5.8	75.4	50.9
10°	3.9	3.9	3.9	3.2	2.6	7.1	220.3	232.6	233.2	231.9	229.4
12.5°	20.6	22.5	16.8	5.8	23.8	221.0	212.0	201.7	197.8	193.3	193.3
15°	407.2	402.0	379.5	279.6	171.4	197.1	177.2	163.6	253.8	250.6	253.2
17.5°	408.5	399.5	367.2	400.1	371.1	177.2	201.0	218.4	206.2	201.7	203.6
20°	775.1	733.2	372.4	373.0	318.3	314.4	170.7	161.1	163.0	166.9	168.2
22.5°	789.2	740.9	571.5	483.2	273.2	251.9	174.6	139.8	206.8	230.0	232.6
25°	795.7	735.1	539.9	427.8	308.6	188.8	168.8	153.3	188.8	212.0	213.3
27.5°	1124.9	1019.3	737.7	363.4	238.4	165.6	157.8	144.3	169.4	210.0	210.7
30°	1115.2	990.9	683.6	351.8	184.3	152.7	136.6	150.8	159.8	170.7	170.7
32.5°	1450.3	1271.8	758.3	283.5	154.6	126.9	128.9	137.2	137.9	163.0	164.9
35°	1450.9	1244.1	653.3	259.0	132.7	116.0	117.9	126.9	140.5	156.6	159.1
37.5°	1473.5	1231.9	563.1	201.7	132.7	116.0	112.1	121.1	130.8	153.3	155.9
40°	1521.1	1237.0	477.4	167.5	128.2	114.0	110.8	117.9	129.5	142.4	143.7
42.5°	1602.3	1266.0	396.2	151.4	125.0	114.0	106.3	111.5	117.9	144.3	146.9
45°	1731.2	1327.9	333.7	145.0	123.7	109.5	101.2	102.4	107.0	170.7	177.8
47.5°	1881.9	1413.6	279.6	141.7	121.8	105.0	93.4	94.7	105.0	193.9	203.6
50°	2055.9	1540.5	247.4	141.1	119.8	98.6	87.6	94.7	116.0	193.3	197.8
52.5°	2260.1	1669.3	230.0	143.7	118.5	92.8	90.8	106.3	110.2	155.3	155.3
55°	2443.8	1812.4	231.3	145.6	114.7	92.8	93.4	90.2	87.0	107.0	107.6
57.5°	2624.2	1954.7	252.6	141.7	108.9	93.4	80.5	74.1	75.4	90.8	92.8
60°	2780.7	2092.0	316.3	133.4	103.7	84.4	74.7	69.6	70.9	91.5	93.4
62.5°	2949.5	2259.5	438.1	136.6	103.1	79.9	69.6	63.8	66.4	76.0	77.3
65°	3177.6	2493.4	547.6	161.1	107.0	77.3	63.8	60.6	61.2	61.9	61.9
67.5°	3401.2	2637.7	528.3	190.1	119.8	76.0	60.6	56.7	56.1	56.1	56.1
70°	3379.2	2481.1	418.8	201.7	130.1	76.0	58.0	52.8	51.5	51.5	51.5
72.5°	3062.9	2122.3	321.5	186.8	119.8	72.8	54.1	48.3	46.4	46.4	46.4
75°	2606.1	1702.2	270.0	162.4	97.9	62.5	47.7	43.2	41.9	41.9	41.2
77.5°	1664.8	1006.4	229.4	132.1	75.4	50.9	41.2	37.4	37.4	37.4	35.4
80°	668.1	442.6	178.5	104.4	58.6	40.6	34.1	32.2	31.6	30.9	29.0
82.5°	253.8	218.4	116.0	76.0	45.1	30.9	27.7	25.8	25.8	25.1	21.9
85°	90.8	85.0	53.5	43.8	27.7	19.3	21.3	19.3	18.7	16.8	14.2
87.5°	19.3	21.3	14.8	9.7	9.7	5.8	7.1	7.7	7.7	7.1	3.9
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)