

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: P415242

Luminaire Tested: **LXF.LXT-PA1-40-827-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415242  
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-PA1-40-827-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 500mA 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: 3701 lumens  
Efficiency: N/A  
Efficacy: 92.5 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): 40  
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

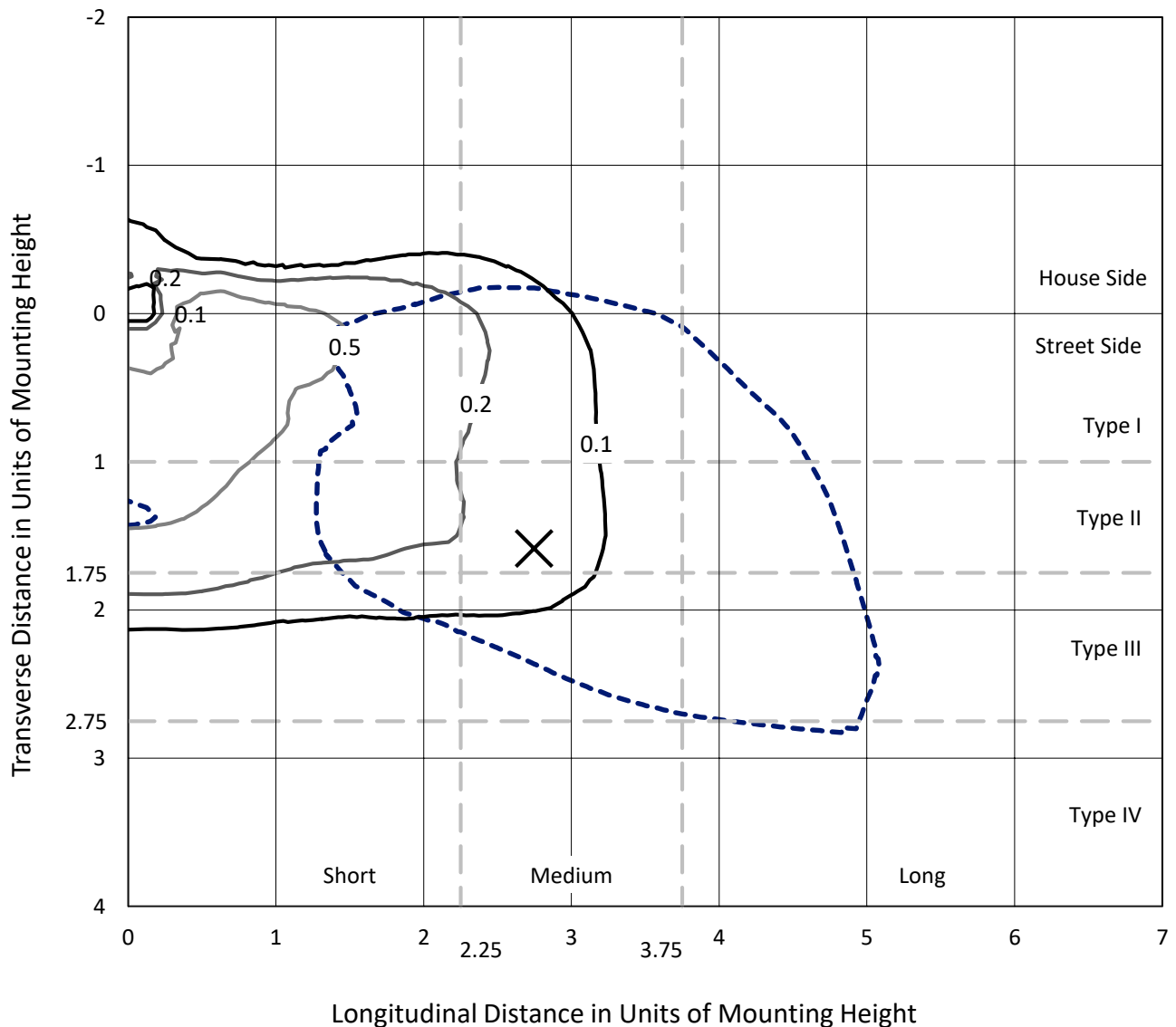


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### Iso-Footcandle Lines of Horizontal Illumination

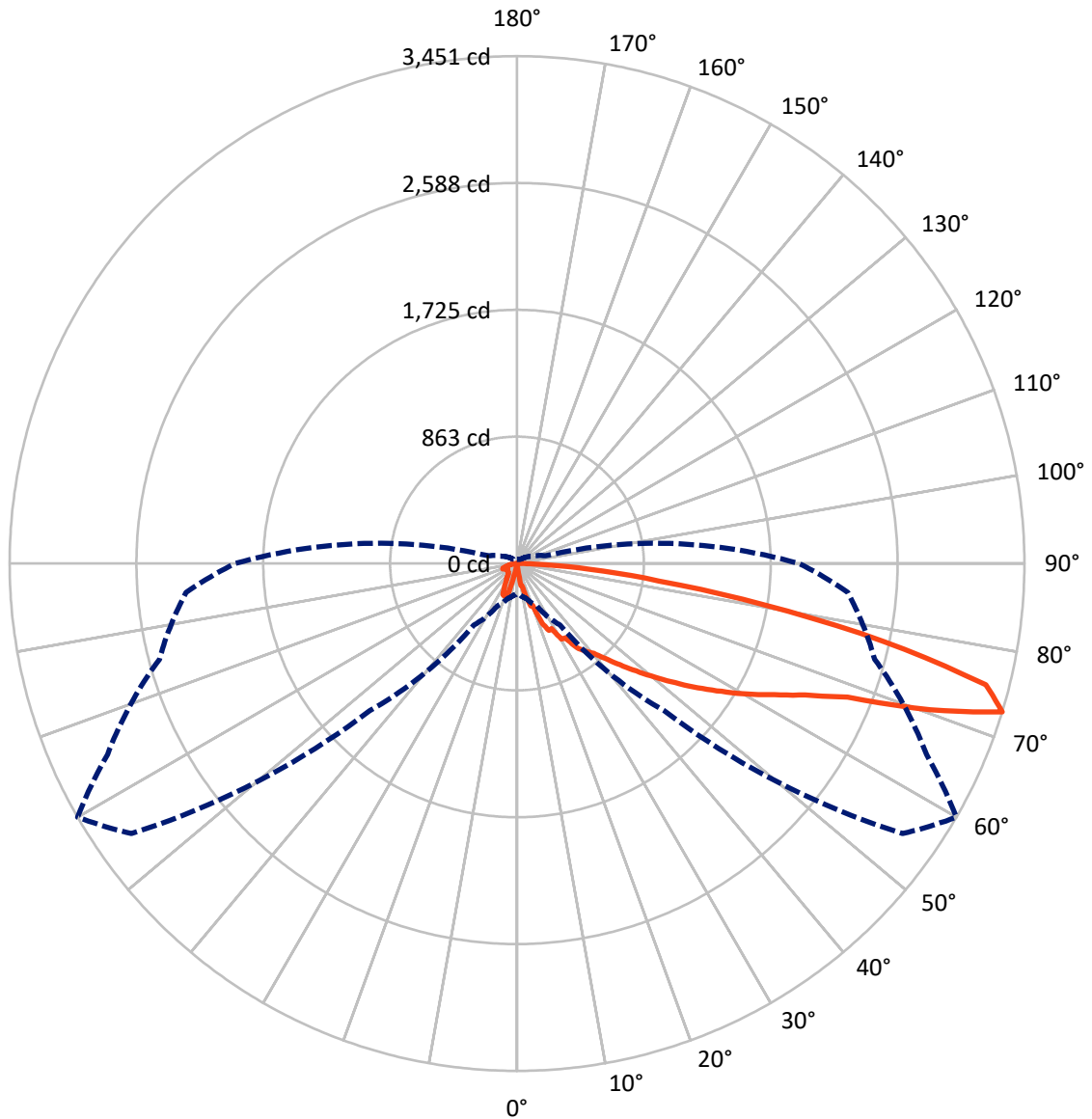
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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
<b>House Side</b>	Lumens	533.0	0.0	533.0
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	3168.0	0.0	3168.0
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	3701.0	0.0	3701.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	54.0	1.5
20°-30°	162.5	4.4
30°-40°	321.4	8.7
40°-50°	532.3	14.4
50°-60°	795.2	21.5
60°-70°	946.0	25.6
70°-80°	757.3	20.5
80°-90°	128.5	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°	3701.0	100.0
0°-180°	3701.0	100.0

**Coefficient of Utilization**



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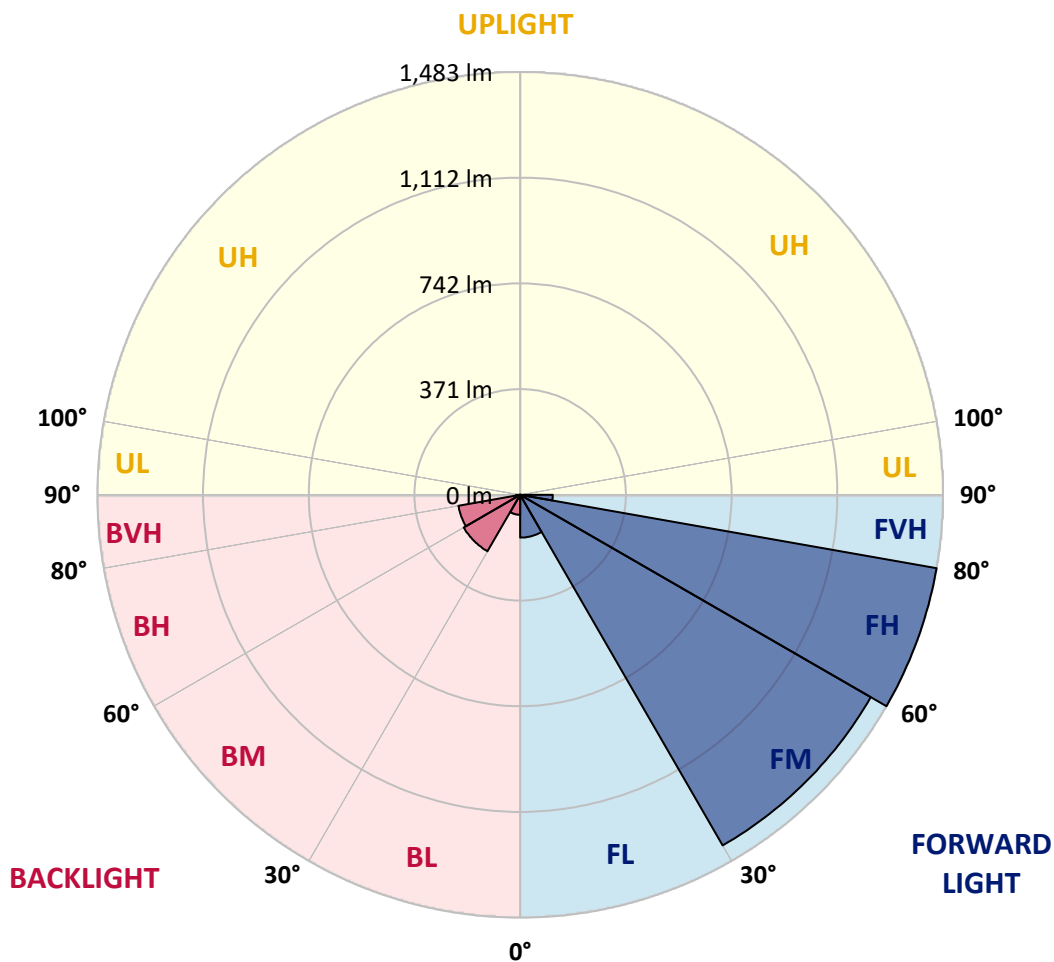
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.2	4.1			
FM	(30°-60°)	1420.2	38.4			
FH	(60°-80°)	1483.2	40.1			G1/1800
FVH	(80°-90°)	114.4	3.1			G2/225
BL	(0°-30°)	70.1	1.9	B0/110		
BM	(30°-60°)	228.7	6.2	B1/1000		
BH	(60°-80°)	220.0	5.9	B1/500		G1/500
BVH	(80°-90°)	14.2	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.0	2.0	2.4	2.8	2.8	2.4	2.0	2.0	2.0	1.6	2.0
5°	138.3	69.8	46.8	22.2	16.5	8.1	3.2	2.4	2.4	2.0	2.0
7.5°	158.9	158.9	159.3	160.9	162.1	162.9	20.2	10.5	4.0	2.0	2.0
10°	153.2	152.0	152.8	154.4	156.0	158.5	161.3	153.2	18.1	3.2	2.4
12.5°	283.0	282.2	272.6	166.1	154.0	154.0	158.1	158.5	124.6	12.1	11.7
15°	273.0	272.6	273.8	276.6	281.0	159.3	161.7	235.5	306.8	216.1	251.2
17.5°	280.6	277.4	270.1	268.5	272.6	256.0	301.2	304.8	311.7	248.4	254.4
20°	385.0	383.8	383.8	323.4	266.5	372.5	353.6	305.2	313.3	359.2	450.0
22.5°	383.8	381.8	379.0	378.6	434.2	362.5	368.1	441.5	459.2	526.6	508.4
25°	521.7	516.5	437.5	381.4	431.4	406.0	491.9	504.8	466.9	546.3	520.1
27.5°	566.5	556.4	531.4	487.1	434.6	493.5	491.1	501.6	514.9	746.7	714.9
30°	769.3	721.7	587.9	565.7	519.7	499.6	559.6	596.3	650.3	731.4	744.7
32.5°	860.8	843.5	778.2	696.3	607.2	539.5	612.0	602.8	655.2	889.0	954.8
35°	1058.4	1037.0	858.0	784.2	706.0	661.2	629.4	704.0	768.5	924.5	972.9
37.5°	1097.1	1092.2	1050.7	918.5	813.6	727.0	736.6	756.8	798.7	974.1	1024.1
40°	1127.3	1127.7	1139.8	1025.7	912.8	832.6	803.6	804.0	839.8	1055.6	1089.8
42.5°	1207.2	1210.4	1243.0	1121.3	1033.0	956.0	905.6	883.4	910.8	1149.1	1170.5
45°	1351.1	1343.8	1371.7	1219.7	1123.3	1057.2	1016.9	983.0	997.5	1248.7	1273.3
47.5°	1532.1	1516.8	1507.5	1342.2	1221.7	1164.8	1127.3	1091.8	1096.3	1343.8	1391.0
50°	1672.0	1664.4	1616.4	1435.0	1306.3	1273.3	1257.6	1213.6	1194.7	1449.9	1525.7
52.5°	1731.7	1724.5	1665.2	1505.1	1373.3	1376.9	1404.3	1347.1	1293.8	1564.8	1653.9
55°	1721.2	1715.2	1676.1	1539.8	1421.7	1476.9	1548.7	1491.4	1422.5	1673.2	1784.5
57.5°	1643.8	1646.6	1646.2	1542.2	1458.8	1570.8	1689.8	1640.6	1558.7	1780.9	1890.6
60°	1472.9	1487.8	1543.4	1524.9	1505.9	1659.5	1826.9	1803.9	1717.2	1899.0	1988.5
62.5°	1179.7	1209.2	1330.9	1430.1	1543.8	1783.7	1960.7	1963.5	1881.3	1990.6	2064.3
65°	795.9	793.5	974.9	1220.9	1499.1	1978.9	2160.7	2155.1	2033.3	2095.0	2176.0
67.5°	442.3	452.0	570.9	808.0	1326.9	2099.8	2544.5	2423.6	2243.0	2254.2	2332.9
70°	273.8	285.5	325.4	451.6	849.5	1958.7	3037.7	2981.2	2630.4	2465.5	2396.2
72.5°	208.0	214.5	246.8	320.1	511.2	1416.8	3201.3	3450.5	3072.3	2517.5	2258.3
75°	124.2	131.8	175.8	276.6	426.2	733.4	2775.6	3292.5	3212.6	2484.5	1970.8
77.5°	77.4	79.4	94.8	193.1	392.7	461.7	1901.5	2550.2	2618.3	2104.3	1392.6
80°	59.3	59.7	65.3	102.8	317.3	437.1	1101.1	1703.1	1669.2	1123.7	547.1
82.5°	37.5	39.9	50.8	62.9	150.8	426.2	650.8	969.7	853.6	304.0	152.4
85°	19.0	21.4	35.9	43.1	73.0	461.7	461.7	497.1	349.6	102.0	57.7
87.5°	3.2	3.2	4.8	11.3	14.5	78.2	129.0	112.5	74.2	13.7	11.3
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.0	2.0	2.0	1.6	1.2	0.8	0.4	0.4	0.4	0.8	0.8
5°	2.0	2.0	2.0	1.6	1.2	0.8	0.4	0.4	0.8	1.2	1.2
7.5°	2.0	2.0	2.0	1.6	1.2	1.2	0.8	1.6	3.6	47.2	31.9
10°	2.4	2.4	2.4	2.0	1.6	4.4	137.9	145.6	146.0	145.1	143.5
12.5°	12.9	14.1	10.5	3.6	14.9	138.3	132.7	126.2	123.8	121.0	121.0
15°	254.8	251.6	237.5	175.0	107.2	123.4	110.9	102.4	158.9	156.8	158.5
17.5°	255.6	250.0	229.8	250.4	232.2	110.9	125.8	136.7	129.0	126.2	127.4
20°	485.0	458.8	233.0	233.4	199.2	196.8	106.8	100.8	102.0	104.4	105.2
22.5°	493.9	463.7	357.6	302.4	171.0	157.6	109.3	87.5	129.4	143.9	145.6
25°	497.9	460.0	337.9	267.7	193.1	118.1	105.6	96.0	118.1	132.7	133.5
27.5°	704.0	637.9	461.7	227.4	149.2	103.6	98.8	90.3	106.0	131.4	131.8
30°	697.9	620.1	427.8	220.1	115.3	95.6	85.5	94.3	100.0	106.8	106.8
32.5°	907.6	795.9	474.6	177.4	96.8	79.4	80.6	85.9	86.3	102.0	103.2
35°	908.0	778.6	408.8	162.1	83.1	72.6	73.8	79.4	87.9	98.0	99.6
37.5°	922.1	770.9	352.4	126.2	83.1	72.6	70.2	75.8	81.8	96.0	97.6
40°	951.9	774.1	298.8	104.8	80.2	71.4	69.3	73.8	81.0	89.1	89.9
42.5°	1002.7	792.3	248.0	94.8	78.2	71.4	66.5	69.8	73.8	90.3	91.9
45°	1083.4	831.0	208.9	90.7	77.4	68.5	63.3	64.1	66.9	106.8	111.3
47.5°	1177.7	884.6	175.0	88.7	76.2	65.7	58.5	59.3	65.7	121.4	127.4
50°	1286.6	964.0	154.8	88.3	75.0	61.7	54.8	59.3	72.6	121.0	123.8
52.5°	1414.4	1044.7	143.9	89.9	74.2	58.1	56.9	66.5	68.9	97.2	97.2
55°	1529.3	1134.2	144.7	91.1	71.8	58.1	58.5	56.4	54.4	66.9	67.3
57.5°	1642.2	1223.3	158.1	88.7	68.1	58.5	50.4	46.4	47.2	56.9	58.1
60°	1740.2	1309.2	198.0	83.5	64.9	52.8	46.8	43.5	44.4	57.3	58.5
62.5°	1845.8	1414.0	274.2	85.5	64.5	50.0	43.5	39.9	41.5	47.6	48.4
65°	1988.5	1560.4	342.7	100.8	66.9	48.4	39.9	37.9	38.3	38.7	38.7
67.5°	2128.5	1650.7	330.6	118.9	75.0	47.6	37.9	35.5	35.1	35.1	35.1
70°	2114.7	1552.7	262.1	126.2	81.4	47.6	36.3	33.1	32.3	32.3	32.3
72.5°	1916.8	1328.1	201.2	116.9	75.0	45.6	33.9	30.2	29.0	29.0	29.0
75°	1630.9	1065.2	168.9	101.6	61.3	39.1	29.8	27.0	26.2	26.2	25.8
77.5°	1041.8	629.8	143.5	82.7	47.2	31.9	25.8	23.4	23.4	23.4	22.2
80°	418.1	277.0	111.7	65.3	36.7	25.4	21.4	20.2	19.8	19.4	18.1
82.5°	158.9	136.7	72.6	47.6	28.2	19.4	17.3	16.1	16.1	15.7	13.7
85°	56.9	53.2	33.5	27.4	17.3	12.1	13.3	12.1	11.7	10.5	8.9
87.5°	12.1	13.3	9.3	6.0	6.0	3.6	4.4	4.8	4.8	4.4	2.4
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)