

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: P415866

Luminaire Tested: **LXF.LXT-PA1-60-730-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415866  
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-PA1-60-730-U-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA 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: 6833 lumens  
Efficiency: N/A  
Efficacy: 106.8 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

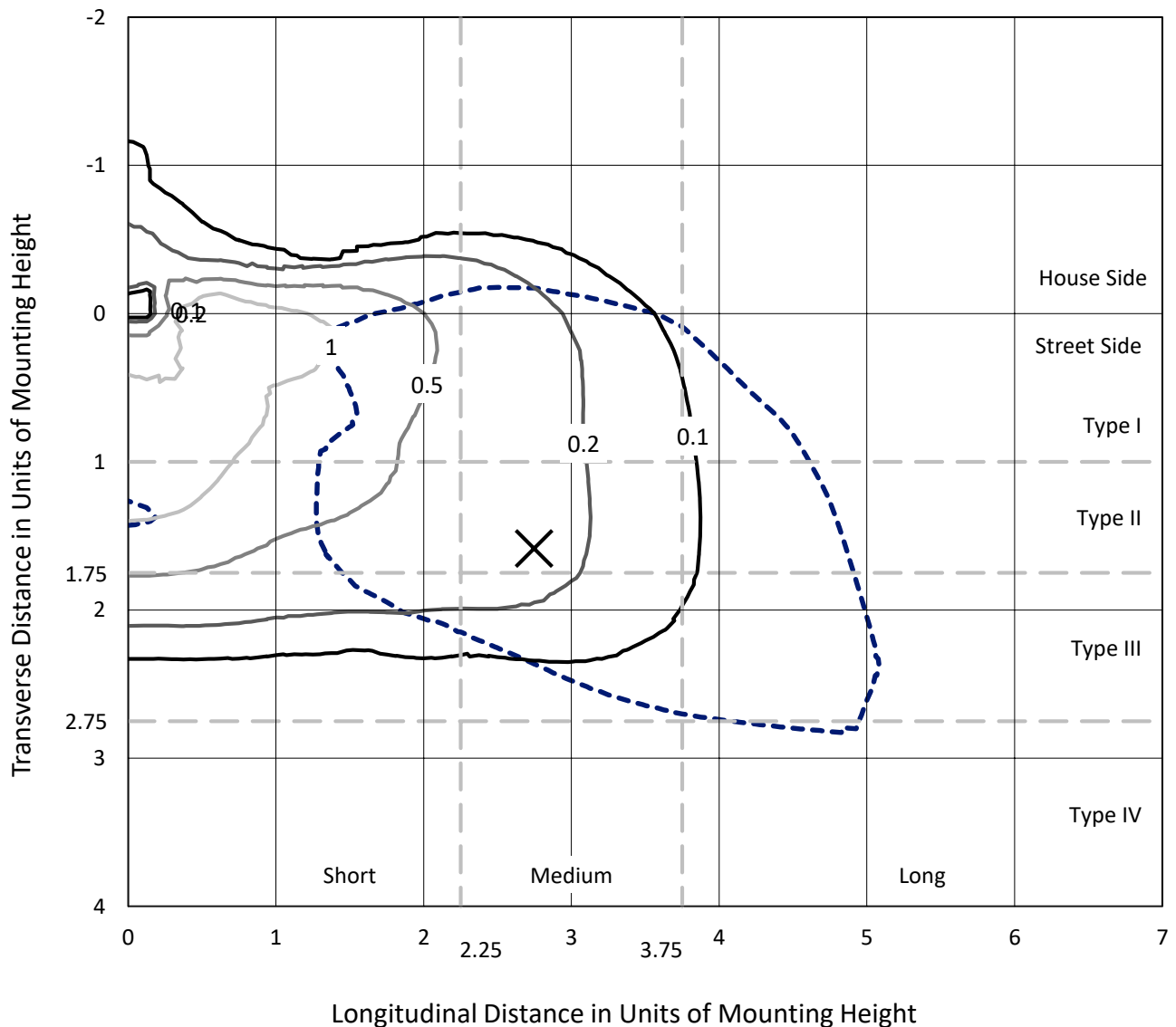
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

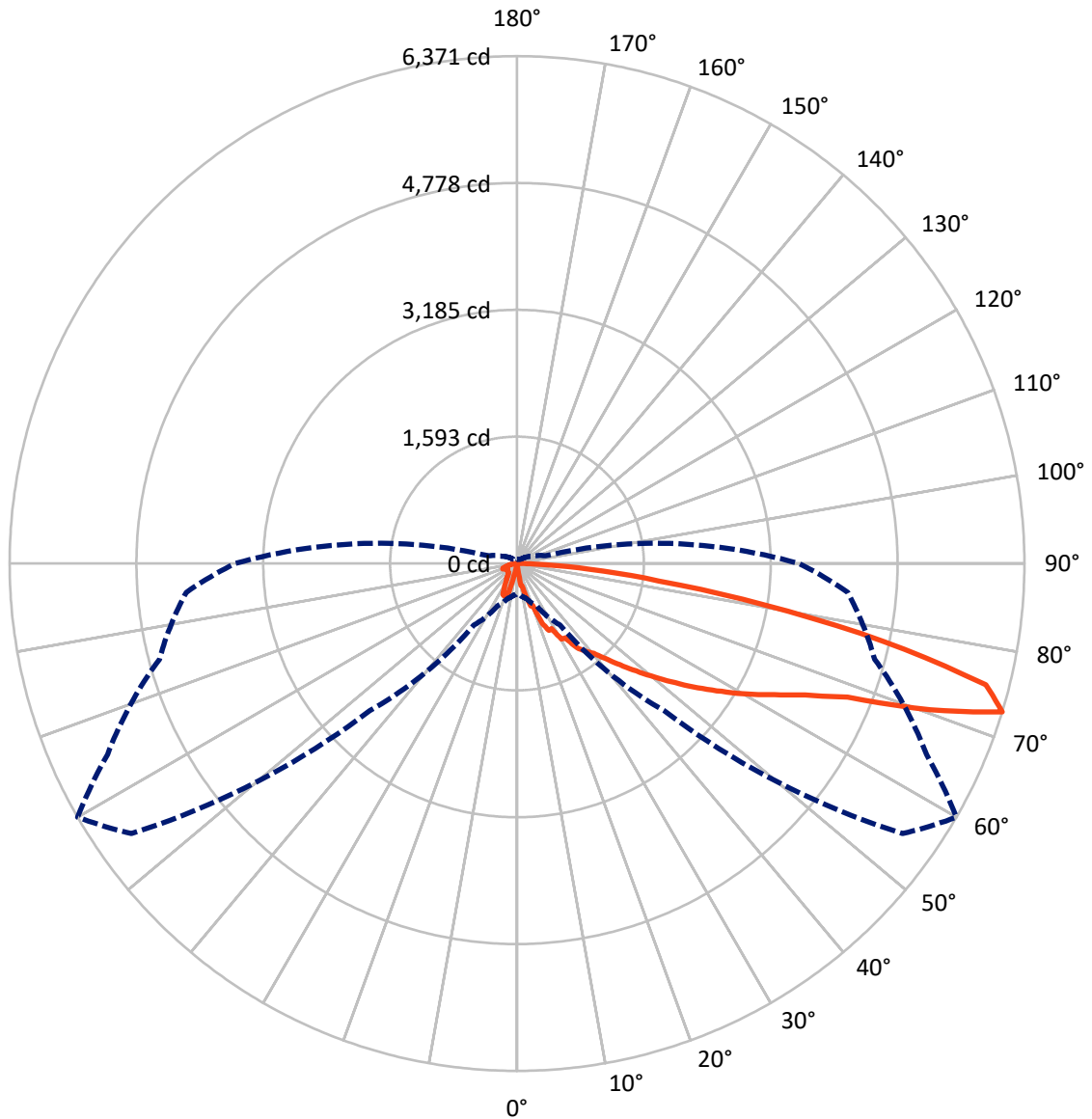
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	984.0	0.0	984.0
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	5848.9	0.0	5848.9
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	6833.0	0.0	6833.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	99.7	1.5
20°-30°	300.0	4.4
30°-40°	593.3	8.7
40°-50°	982.8	14.4
50°-60°	1468.1	21.5
60°-70°	1746.5	25.6
70°-80°	1398.1	20.5
80°-90°	237.3	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°	6833.0	100.0
0°-180°	6833.0	100.0

**Coefficient of Utilization**



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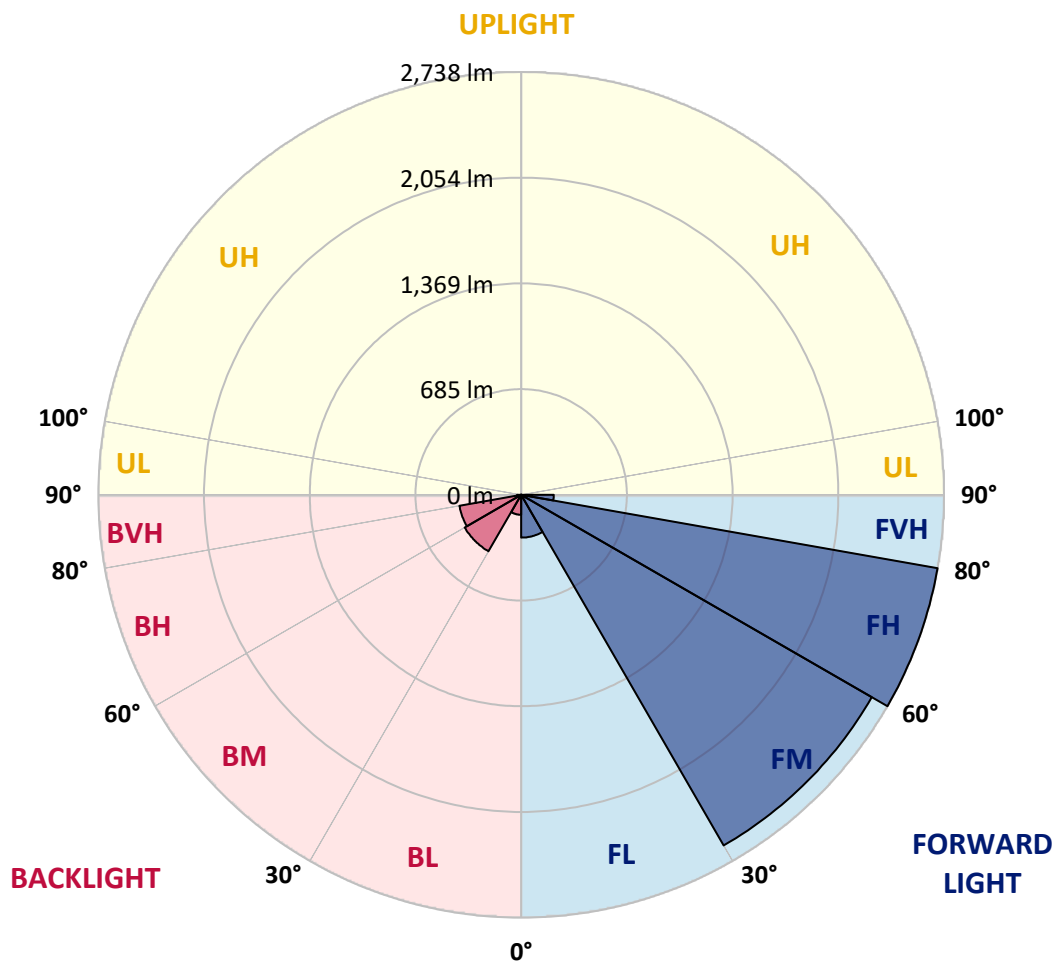
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.3	4.1			
FM	(30°-60°)	2622.0	38.4			
FH	(60°-80°)	2738.4	40.1			G2/5000
FVH	(80°-90°)	211.1	3.1			G2/225
BL	(0°-30°)	129.5	1.9	B1/500		
BM	(30°-60°)	422.2	6.2	B1/1000		
BH	(60°-80°)	406.2	5.9	B1/500		G1/500
BVH	(80°-90°)	26.2	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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.7	3.7	4.5	5.2	5.2	4.5	3.7	3.7	3.7	3.0	3.7
5°	255.3	128.8	86.4	40.9	30.5	14.9	6.0	4.5	4.5	3.7	3.7
7.5°	293.3	293.3	294.0	297.0	299.2	300.7	37.2	19.4	7.4	3.7	3.7
10°	282.9	280.6	282.1	285.1	288.1	292.5	297.8	282.9	33.5	6.0	4.5
12.5°	522.6	521.1	503.2	306.7	284.4	284.4	291.8	292.5	230.0	22.3	21.6
15°	504.0	503.2	505.4	510.7	518.8	294.0	298.5	434.7	566.5	399.0	463.8
17.5°	518.1	512.1	498.7	495.8	503.2	472.7	556.1	562.8	575.4	458.5	469.7
20°	710.9	708.7	708.7	597.0	492.0	687.8	652.8	563.5	578.4	663.3	830.7
22.5°	708.7	704.9	699.7	699.0	801.7	669.2	679.6	815.1	847.9	972.2	938.7
25°	963.3	953.6	807.7	704.2	796.5	749.6	908.2	932.0	862.0	1008.7	960.3
27.5°	1045.9	1027.3	981.1	899.2	802.5	911.1	906.7	926.0	950.6	1378.6	1319.8
30°	1420.3	1332.5	1085.3	1044.4	959.5	922.3	1033.2	1101.0	1200.7	1350.3	1374.9
32.5°	1589.3	1557.3	1436.7	1285.6	1121.1	996.0	1130.0	1112.9	1209.6	1641.4	1762.7
35°	1954.0	1914.6	1584.1	1447.9	1303.4	1220.8	1162.0	1299.7	1418.8	1706.9	1796.2
37.5°	2025.5	2016.6	1939.9	1695.7	1502.2	1342.1	1360.0	1397.2	1474.7	1798.5	1890.8
40°	2081.3	2082.1	2104.4	1893.7	1685.3	1537.2	1483.6	1484.3	1550.6	1948.8	2012.1
42.5°	2228.7	2234.7	2295.0	2070.2	1907.1	1765.0	1671.9	1631.0	1681.6	2121.5	2161.0
45°	2494.5	2481.1	2532.4	2251.8	2073.9	1951.8	1877.4	1814.8	1841.6	2305.4	2350.8
47.5°	2828.7	2800.4	2783.3	2478.1	2255.5	2150.6	2081.3	2015.8	2024.0	2481.1	2568.2
50°	3087.0	3072.9	2984.3	2649.3	2411.8	2350.8	2321.8	2240.6	2205.6	2676.9	2816.8
52.5°	3197.2	3183.8	3074.4	2778.8	2535.4	2542.1	2592.7	2487.0	2388.8	2889.0	3053.5
55°	3177.8	3166.7	3094.5	2842.9	2624.7	2726.7	2859.2	2753.5	2626.2	3089.2	3294.7
57.5°	3034.9	3040.1	3039.4	2847.3	2693.2	2900.2	3119.8	3029.0	2877.8	3288.0	3490.5
60°	2719.3	2746.8	2849.6	2815.3	2780.3	3063.9	3372.9	3330.4	3170.4	3506.1	3671.4
62.5°	2178.1	2232.4	2457.3	2640.4	2850.3	3293.2	3620.0	3625.2	3473.4	3675.1	3811.3
65°	1469.4	1465.0	1800.0	2254.0	2767.7	3653.5	3989.2	3978.8	3754.0	3867.9	4017.5
67.5°	816.6	834.5	1054.1	1491.8	2449.8	3876.8	4697.9	4474.6	4141.1	4161.9	4307.1
70°	505.4	527.0	600.7	833.7	1568.4	3616.3	5608.3	5504.1	4856.4	4552.0	4424.0
72.5°	384.1	396.0	455.6	591.1	943.9	2615.8	5910.5	6370.6	5672.3	4648.0	4169.4
75°	229.3	243.4	324.6	510.7	786.8	1354.1	5124.4	6078.7	5931.4	4587.0	3638.6
77.5°	142.9	146.6	174.9	356.6	725.0	852.3	3510.6	4708.3	4834.1	3885.0	2571.1
80°	109.4	110.2	120.6	189.8	585.8	806.9	2032.9	3144.3	3081.8	2074.6	1010.1
82.5°	69.2	73.7	93.8	116.1	278.4	786.8	1201.5	1790.3	1575.9	561.3	281.4
85°	35.0	39.5	66.3	79.7	134.7	852.3	852.3	917.8	645.4	188.3	106.4
87.5°	6.0	6.0	8.9	20.8	26.8	144.4	238.2	207.7	137.0	25.3	20.8
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.7	3.7	3.7	3.0	2.2	1.5	0.7	0.7	0.7	1.5	1.5
5°	3.7	3.7	3.7	3.0	2.2	1.5	0.7	0.7	1.5	2.2	2.2
7.5°	3.7	3.7	3.7	3.0	2.2	2.2	1.5	3.0	6.7	87.1	58.8
10°	4.5	4.5	4.5	3.7	3.0	8.2	254.6	268.7	269.5	268.0	265.0
12.5°	23.8	26.1	19.4	6.7	27.5	255.3	244.9	233.0	228.5	223.3	223.3
15°	470.5	464.5	438.4	323.1	198.0	227.8	204.7	189.1	293.3	289.6	292.5
17.5°	471.9	461.5	424.3	462.3	428.8	204.7	232.3	252.4	238.2	233.0	235.2
20°	895.5	847.1	430.3	431.0	367.7	363.3	197.3	186.1	188.3	192.8	194.3
22.5°	911.9	856.1	660.3	558.3	315.6	291.1	201.7	161.5	239.0	265.7	268.7
25°	919.3	849.4	623.8	494.3	356.6	218.1	195.0	177.2	218.1	244.9	246.4
27.5°	1299.7	1177.6	852.3	419.8	275.4	191.3	182.4	166.7	195.8	242.7	243.4
30°	1288.6	1144.9	789.8	406.4	212.9	176.4	157.8	174.2	184.6	197.3	197.3
32.5°	1675.6	1469.4	876.2	327.5	178.7	146.6	148.9	158.6	159.3	188.3	190.6
35°	1676.4	1437.4	754.8	299.2	153.3	134.0	136.2	146.6	162.3	180.9	183.9
37.5°	1702.4	1423.3	650.6	233.0	153.3	134.0	129.5	139.9	151.1	177.2	180.1
40°	1757.5	1429.2	551.6	193.5	148.1	131.8	128.0	136.2	149.6	164.5	166.0
42.5°	1851.3	1462.7	457.8	174.9	144.4	131.8	122.8	128.8	136.2	166.7	169.7
45°	2000.2	1534.2	385.6	167.5	142.9	126.5	116.9	118.4	123.6	197.3	205.5
47.5°	2174.4	1633.2	323.1	163.8	140.7	121.3	107.9	109.4	121.3	224.1	235.2
50°	2375.4	1779.9	285.8	163.0	138.5	113.9	101.2	109.4	134.0	223.3	228.5
52.5°	2611.3	1928.7	265.7	166.0	137.0	107.2	105.0	122.8	127.3	179.4	179.4
55°	2823.5	2094.0	267.2	168.2	132.5	107.2	107.9	104.2	100.5	123.6	124.3
57.5°	3031.9	2258.5	291.8	163.8	125.8	107.9	93.0	85.6	87.1	105.0	107.2
60°	3212.8	2417.1	365.5	154.1	119.8	97.5	86.4	80.4	81.9	105.7	107.9
62.5°	3407.9	2610.6	506.2	157.8	119.1	92.3	80.4	73.7	76.7	87.8	89.3
65°	3671.4	2880.8	632.7	186.1	123.6	89.3	73.7	70.0	70.7	71.5	71.5
67.5°	3929.7	3047.6	610.4	219.6	138.5	87.8	70.0	65.5	64.8	64.8	64.8
70°	3904.4	2866.7	483.9	233.0	150.4	87.8	67.0	61.0	59.6	59.6	59.6
72.5°	3538.9	2452.0	371.5	215.9	138.5	84.1	62.5	55.8	53.6	53.6	53.6
75°	3011.1	1966.7	311.9	187.6	113.1	72.2	55.1	49.9	48.4	48.4	47.6
77.5°	1923.5	1162.7	265.0	152.6	87.1	58.8	47.6	43.2	43.2	43.2	40.9
80°	771.9	511.4	206.2	120.6	67.7	46.9	39.5	37.2	36.5	35.7	33.5
82.5°	293.3	252.4	134.0	87.8	52.1	35.7	32.0	29.8	29.8	29.0	25.3
85°	105.0	98.3	61.8	50.6	32.0	22.3	24.6	22.3	21.6	19.4	16.4
87.5°	22.3	24.6	17.1	11.2	11.2	6.7	8.2	8.9	8.9	8.2	4.5
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)