

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: P415520

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415520  
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-PA1-50-740-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6557 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

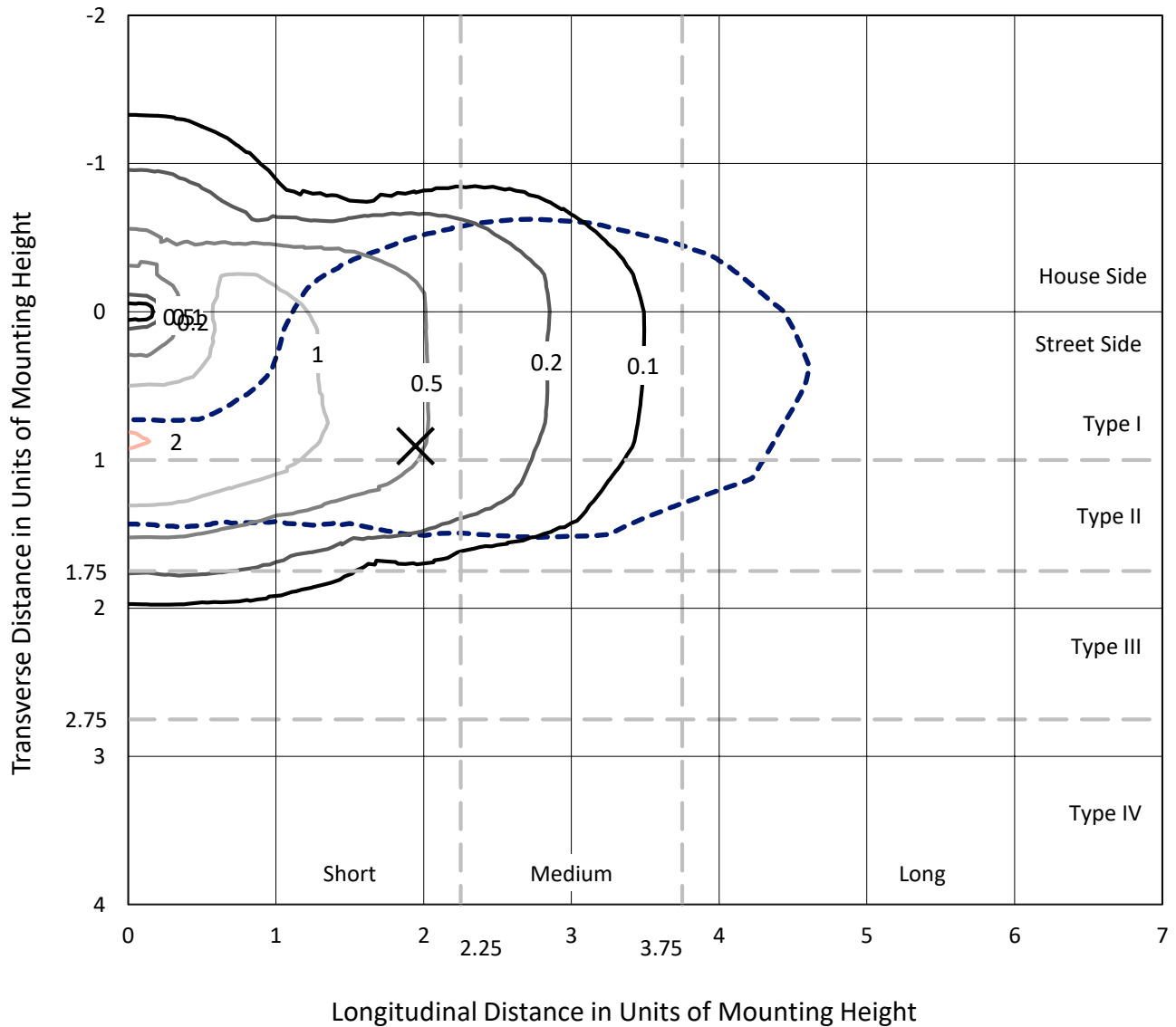
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415520  
 CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U

### Iso-Footcandle Lines of Horizontal Illumination

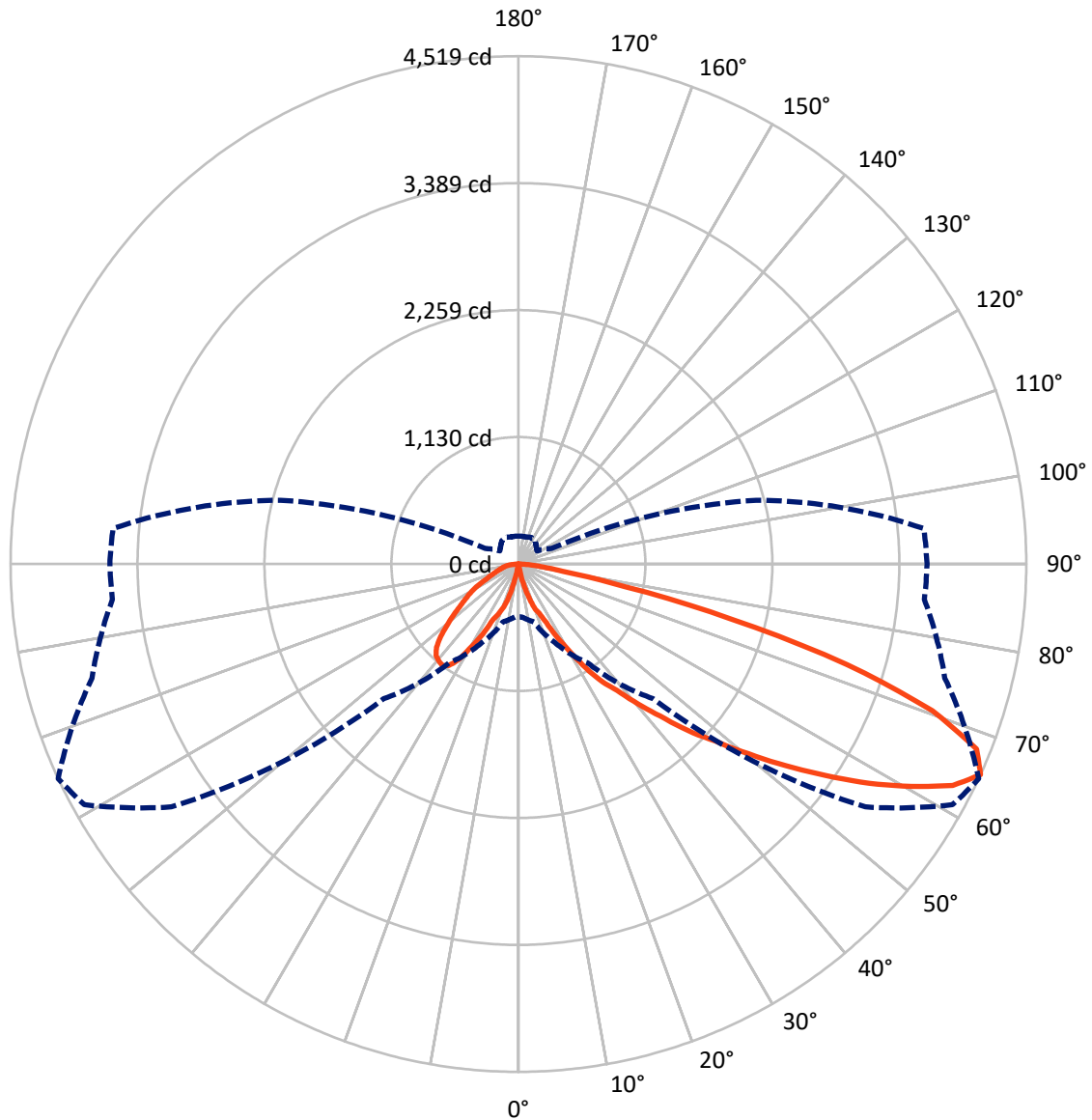
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415520  
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P415520

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1769.3	0.0	1769.3
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	4787.7	0.0	4787.7
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	6557.0	0.0	6557.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	72.4	1.1
20°-30°	278.9	4.3
30°-40°	698.0	10.6
40°-50°	1299.5	19.8
50°-60°	1701.7	26.0
60°-70°	1525.5	23.3
70°-80°	839.1	12.8
80°-90°	137.1	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°	6557.0	100.0
0°-180°	6557.0	100.0



REPORT NUMBER: P415520

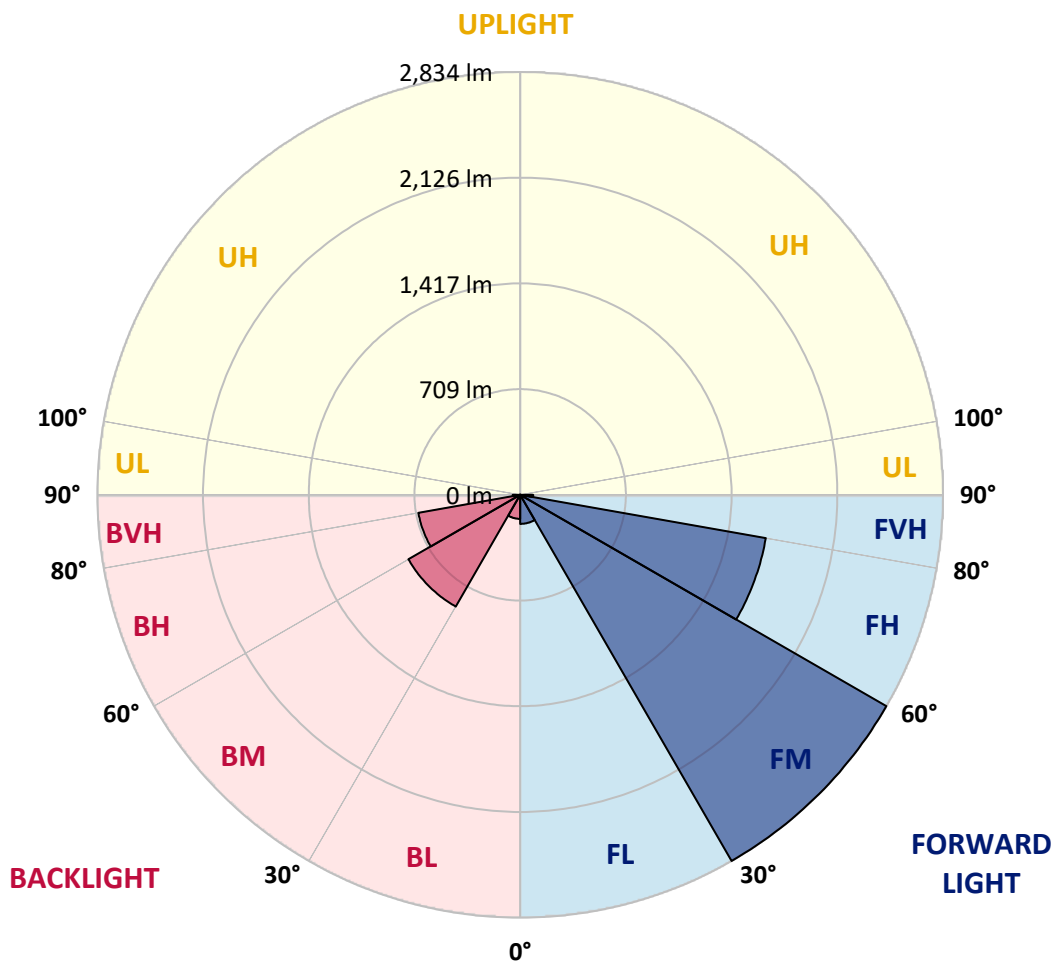
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.9	3.0			
FM	(30°-60°)	2834.0	43.2			
FH	(60°-80°)	1671.8	25.5			G1/1800
FVH	(80°-90°)	87.0	1.3			G1/100
BL	(0°-30°)	161.2	2.5	B1/500		
BM	(30°-60°)	865.1	13.2	B1/1000		
BH	(60°-80°)	692.9	10.6	B2/1000		G2/1000
BVH	(80°-90°)	50.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





REPORT NUMBER: P415520

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.5	3.5	4.2	4.9	4.9	4.2	3.5	2.8	2.1	1.4	1.4
5°	32.5	28.9	22.6	15.5	9.2	7.1	5.6	4.2	3.5	2.1	1.4
7.5°	158.9	158.1	157.4	158.1	154.6	60.7	11.3	7.1	5.6	2.8	2.1
10°	159.6	158.9	158.1	159.6	159.6	157.4	149.7	21.9	11.3	7.1	7.1
12.5°	283.8	273.9	189.2	166.6	161.0	161.0	161.0	144.0	137.0	101.0	122.1
15°	297.9	295.8	295.1	296.5	262.6	173.7	242.9	228.8	231.6	197.7	234.4
17.5°	313.5	309.9	307.1	307.8	295.8	341.0	319.1	326.2	329.0	249.9	273.9
20°	485.7	485.7	449.0	340.3	373.5	427.9	353.0	387.6	429.3	373.5	383.4
22.5°	551.4	546.5	541.5	513.3	469.5	466.7	513.3	449.7	477.3	548.6	506.9
25°	749.8	751.2	629.8	592.4	655.9	571.9	612.8	609.3	576.8	665.1	642.5
27.5°	948.9	951.7	938.3	835.2	749.8	735.7	697.6	751.9	743.4	737.8	790.7
30°	1134.6	1133.9	1073.2	1030.1	984.2	902.3	859.9	871.2	905.1	874.1	986.3
32.5°	1578.7	1566.7	1501.7	1228.5	1157.9	1080.9	1068.9	1037.2	1104.9	1083.0	1186.8
35°	1874.5	1871.7	1753.8	1599.9	1376.8	1291.3	1292.7	1233.4	1289.2	1317.4	1333.7
37.5°	2535.3	2525.5	2346.1	1895.0	1719.2	1543.4	1510.9	1482.7	1424.8	1506.7	1506.0
40°	2891.2	2862.9	2704.8	2407.6	2018.5	1806.7	1738.9	1678.2	1636.6	1684.6	1678.2
42.5°	3167.9	3146.1	3034.5	2726.7	2409.0	2244.5	1991.7	1933.8	1849.8	1907.0	1877.3
45°	3366.3	3355.0	3255.5	3026.7	2783.2	2662.4	2276.9	2186.6	2113.8	2106.1	2088.4
47.5°	3404.5	3380.5	3350.8	3222.3	3118.5	3082.5	2629.9	2473.9	2353.9	2331.3	2301.6
50°	3224.4	3217.4	3256.2	3232.9	3359.3	3443.3	3037.3	2821.3	2653.2	2573.5	2516.3
52.5°	2807.2	2822.0	2971.0	3074.7	3389.6	3694.6	3420.0	3211.0	2981.6	2805.7	2728.8
55°	2230.3	2284.0	2505.0	2721.0	3199.7	3803.4	3782.9	3618.4	3322.6	3065.6	2951.9
57.5°	1712.8	1707.2	1991.7	2188.0	2814.2	3730.6	4018.7	3972.1	3681.2	3335.3	3165.1
60°	1109.9	1104.9	1441.0	1692.3	2168.9	3357.9	4140.8	4263.0	4018.0	3568.3	3357.2
62.5°	724.4	754.7	882.5	1239.8	1549.0	2596.8	4099.9	4443.7	4338.5	3784.3	3541.4
65°	466.0	477.3	533.1	772.4	1073.9	1693.8	3768.1	4416.9	4518.6	3928.3	3625.4
67.5°	347.4	350.2	377.0	480.1	730.7	885.4	2957.5	4044.1	4396.4	3938.2	3597.9
70°	305.0	310.7	336.8	362.2	543.6	557.1	1729.1	3251.3	3906.4	3796.3	3458.8
72.5°	260.5	266.2	300.8	337.5	415.8	418.0	646.7	2160.4	3058.5	3508.2	3235.7
75°	212.5	216.0	246.4	295.8	346.7	335.4	374.2	976.4	1957.8	2915.9	2886.2
77.5°	171.6	174.4	196.3	235.8	307.1	257.0	278.9	418.7	972.9	2105.4	2338.4
80°	124.3	125.7	146.9	180.7	230.9	229.5	208.3	265.5	401.7	1229.9	1548.3
82.5°	79.1	79.1	101.0	118.6	153.2	226.6	146.1	178.6	224.5	612.1	744.9
85°	44.5	45.9	63.5	69.2	89.7	137.7	105.2	98.8	121.4	221.7	183.6
87.5°	8.5	10.6	18.4	19.8	23.3	32.5	38.1	34.6	36.0	51.5	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P415520

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	1.4	2.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.1	2.1
5°	1.4	2.1	2.8	2.8	3.5	4.9	5.6	5.6	6.4	7.1	6.4
7.5°	1.4	2.1	2.8	4.2	5.6	11.3	40.9	144.7	155.3	157.4	160.3
10°	6.4	6.4	7.1	7.8	31.8	151.8	163.1	164.5	165.9	166.6	167.3
12.5°	124.3	122.8	122.1	93.9	144.7	167.3	169.4	170.9	173.0	206.2	223.1
15°	237.2	237.9	225.9	216.8	252.1	183.6	195.6	302.2	312.8	316.3	318.4
17.5°	271.8	283.8	252.1	334.7	331.8	279.6	307.8	324.1	325.5	327.6	328.3
20°	386.2	383.4	367.1	419.4	359.4	459.6	381.3	328.3	413.0	454.7	455.4
22.5°	501.3	502.0	478.7	484.3	516.8	473.0	382.0	433.5	444.1	443.4	441.3
25°	646.0	640.4	629.1	538.7	610.0	514.7	508.3	420.1	421.5	455.4	477.3
27.5°	790.0	775.9	731.4	698.3	633.3	572.6	480.1	454.7	490.0	487.9	488.6
30°	989.1	967.3	844.4	840.2	672.1	566.9	488.6	452.6	440.6	443.4	442.0
32.5°	1188.2	1148.7	1037.9	1001.9	716.6	528.1	448.3	418.0	452.6	457.5	454.7
35°	1311.1	1278.6	1240.5	1097.2	721.6	486.5	406.0	413.0	410.9	408.8	410.2
37.5°	1454.4	1401.5	1368.3	1129.6	680.6	434.2	386.9	381.3	415.1	415.8	413.0
40°	1614.7	1554.7	1480.5	1114.8	587.4	393.3	359.4	377.7	379.8	371.4	369.3
42.5°	1795.4	1707.9	1597.7	1095.0	487.2	369.3	348.8	350.9	352.3	343.1	339.6
45°	1977.6	1875.2	1698.0	1040.0	414.4	345.2	332.5	331.8	324.8	316.3	314.2
47.5°	2181.6	2061.6	1780.6	944.0	362.9	326.9	321.9	308.5	310.7	302.9	302.2
50°	2392.0	2262.8	1827.9	828.9	329.0	311.4	302.9	298.6	304.3	295.1	293.7
52.5°	2598.2	2490.2	1902.7	725.8	300.1	297.9	294.4	295.8	297.9	288.1	287.4
55°	2822.0	2744.3	1971.2	627.7	274.6	279.6	291.6	290.9	290.2	281.0	281.0
57.5°	3027.4	2989.3	2041.1	552.1	254.9	263.3	285.2	285.2	281.7	273.9	273.2
60°	3266.1	3237.8	2107.5	484.3	237.9	248.5	277.5	278.2	271.8	266.2	264.8
62.5°	3482.8	3461.6	2160.4	413.0	219.6	235.8	266.2	271.1	261.9	257.7	257.7
65°	3635.3	3620.5	2189.4	324.8	201.9	223.1	254.2	261.2	249.2	248.5	248.5
67.5°	3648.7	3639.6	2129.4	271.1	189.2	211.1	239.3	246.4	235.8	237.9	233.7
70°	3523.8	3456.7	1959.2	225.9	176.5	195.6	221.7	230.2	219.6	220.3	213.2
72.5°	3259.7	3066.3	1658.5	192.0	162.4	178.6	202.6	210.4	200.5	198.4	190.6
75°	2815.6	2517.0	1154.4	166.6	147.6	160.3	179.3	187.1	180.7	170.2	168.0
77.5°	2180.9	1844.8	707.4	144.0	134.1	141.2	155.3	159.6	153.2	140.5	138.4
80°	1374.6	1106.3	341.0	125.0	116.5	120.0	129.2	132.7	127.8	115.1	108.0
82.5°	629.8	478.0	180.0	101.0	94.6	94.6	103.8	101.0	96.7	84.7	68.5
85°	146.9	151.1	83.3	62.1	60.0	53.7	62.1	61.4	55.1	42.4	35.3
87.5°	24.0	26.8	21.2	19.1	15.5	12.0	13.4	11.3	9.9	4.9	2.1
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)