

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: P415884

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415884
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-PA1-60-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6899 lumens
Efficiency: N/A
Efficacy: 107.8 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

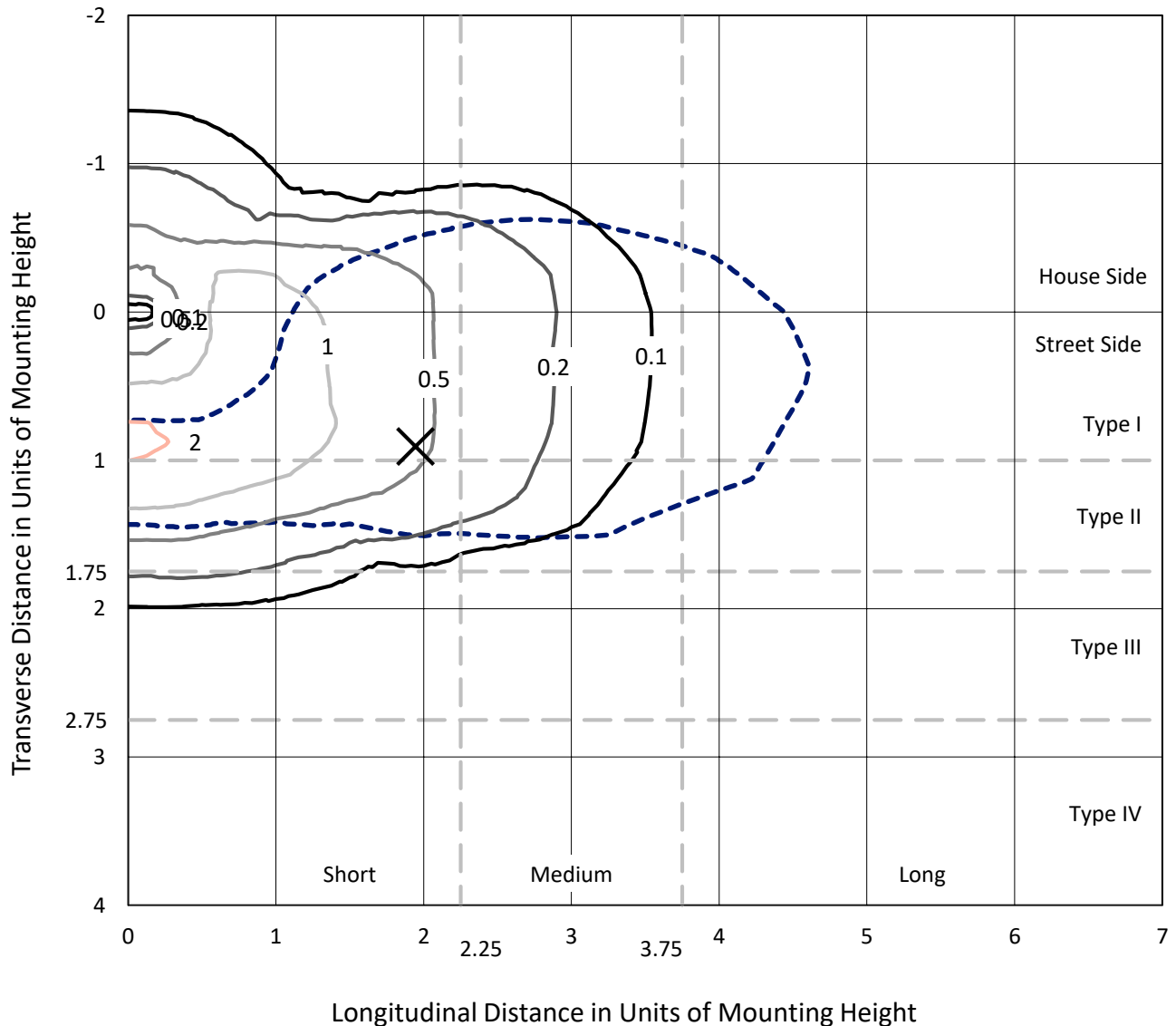
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

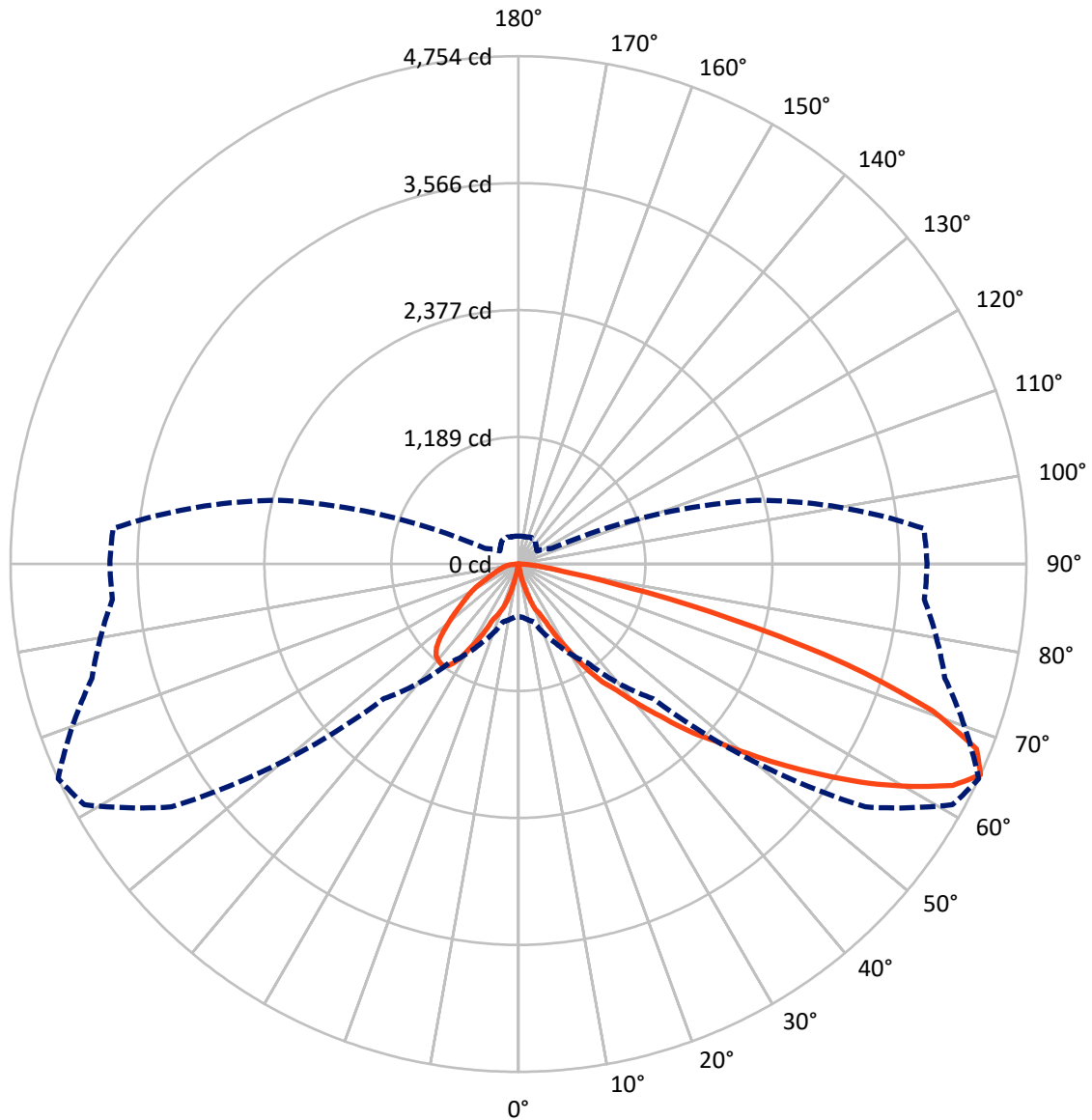


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.6	0.0	1861.6
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5037.4	0.0	5037.4
	% Fixture	73.0	0.0	73.0
Total	Lumens	6899.0	0.0	6899.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	76.2	1.1
20°-30°	293.4	4.3
30°-40°	734.4	10.6
40°-50°	1367.3	19.8
50°-60°	1790.4	26.0
60°-70°	1605.1	23.3
70°-80°	882.9	12.8
80°-90°	144.3	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°	6899.0	100.0
0°-180°	6899.0	100.0



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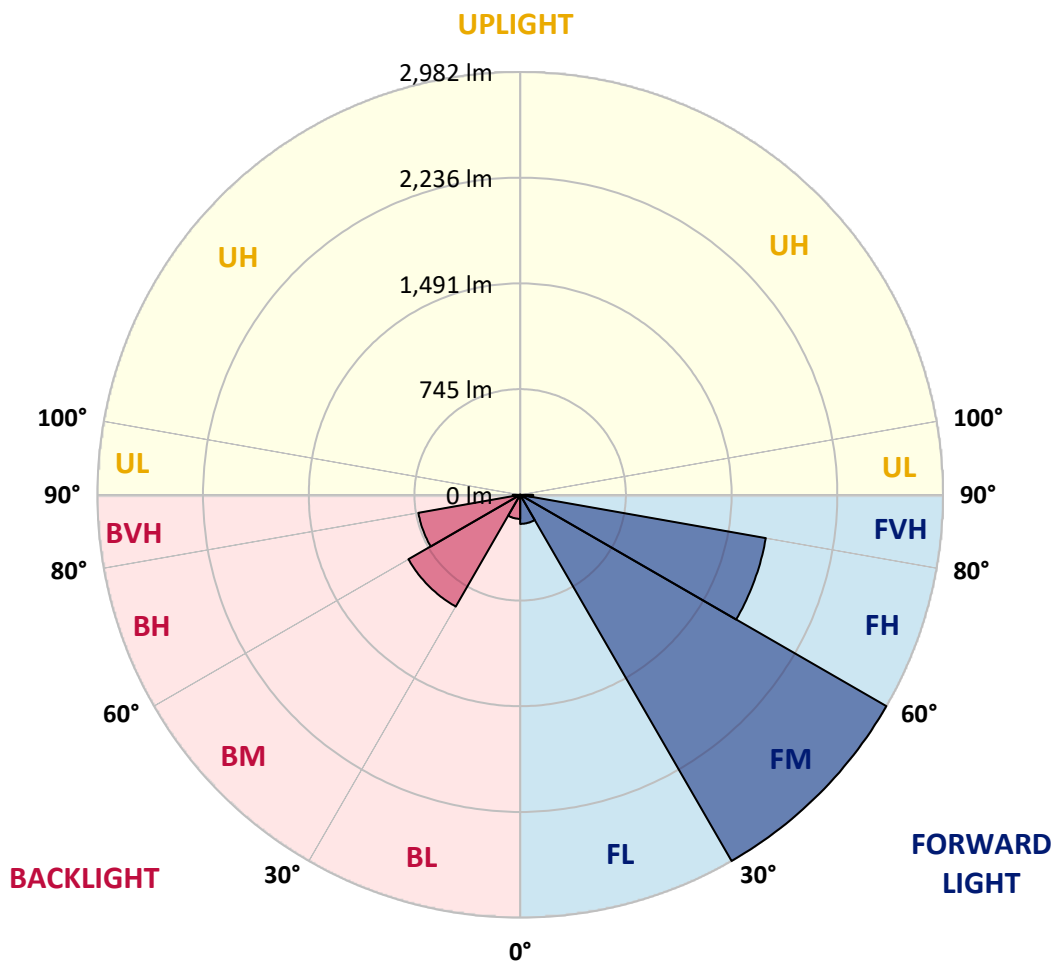
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.1	3.0			
FM	(30°-60°)	2981.9	43.2			
FH	(60°-80°)	1759.0	25.5			G1/1800
FVH	(80°-90°)	91.5	1.3			G1/100
BL	(0°-30°)	169.6	2.5	B1/500		
BM	(30°-60°)	910.3	13.2	B1/1000		
BH	(60°-80°)	729.0	10.6	B2/1000		G2/1000
BVH	(80°-90°)	52.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.7	3.7	4.5	5.2	5.2	4.5	3.7	3.0	2.2	1.5	1.5
5°	34.2	30.5	23.8	16.3	9.7	7.4	5.9	4.5	3.7	2.2	1.5
7.5°	167.1	166.4	165.7	166.4	162.7	63.9	11.9	7.4	5.9	3.0	2.2
10°	167.9	167.1	166.4	167.9	167.9	165.7	157.5	23.0	11.9	7.4	7.4
12.5°	298.6	288.2	199.1	175.3	169.4	169.4	169.4	151.5	144.1	106.2	128.5
15°	313.5	311.3	310.5	312.0	276.3	182.7	255.5	240.7	243.7	208.0	246.6
17.5°	329.8	326.1	323.1	323.9	311.3	358.8	335.8	343.2	346.2	263.0	288.2
20°	511.1	511.1	472.5	358.1	393.0	450.2	371.4	407.8	451.7	393.0	403.4
22.5°	580.2	575.0	569.8	540.1	494.0	491.0	540.1	473.2	502.2	577.2	533.4
25°	788.9	790.4	662.6	623.3	690.1	601.7	644.8	641.1	606.9	699.8	676.0
27.5°	998.4	1001.4	987.2	878.8	788.9	774.1	733.9	791.1	782.2	776.3	832.0
30°	1193.8	1193.0	1129.1	1083.8	1035.5	949.4	904.8	916.7	952.3	919.7	1037.8
32.5°	1661.0	1648.4	1580.0	1292.6	1218.3	1137.3	1124.7	1091.2	1162.6	1139.5	1248.7
35°	1972.3	1969.3	1845.2	1683.3	1448.6	1358.7	1360.2	1297.8	1356.4	1386.2	1403.2
37.5°	2667.6	2657.2	2468.5	1993.8	1808.8	1623.9	1589.7	1560.0	1499.1	1585.2	1584.5
40°	3042.0	3012.3	2845.9	2533.1	2123.8	1901.0	1829.6	1765.8	1721.9	1772.4	1765.8
42.5°	3333.2	3310.1	3192.8	2868.9	2534.6	2361.5	2095.6	2034.7	1946.3	2006.4	1975.2
45°	3541.9	3530.0	3425.3	3184.6	2928.3	2801.3	2395.7	2300.6	2224.1	2215.9	2197.4
47.5°	3582.0	3556.8	3525.6	3390.4	3281.2	3243.3	2767.1	2603.0	2476.7	2452.9	2421.7
50°	3392.6	3385.2	3426.0	3401.5	3534.5	3622.9	3195.7	2968.4	2791.6	2707.7	2647.5
52.5°	2953.6	2969.2	3125.9	3235.1	3566.4	3887.3	3598.4	3378.5	3137.1	2952.1	2871.1
55°	2346.7	2403.1	2635.6	2862.9	3366.6	4001.7	3980.2	3807.1	3495.9	3225.5	3105.9
57.5°	1802.2	1796.2	2095.6	2302.1	2961.0	3925.2	4228.3	4179.3	3873.2	3509.2	3330.2
60°	1167.8	1162.6	1516.2	1780.6	2282.0	3533.0	4356.8	4485.3	4227.6	3754.4	3532.3
62.5°	762.2	794.1	928.6	1304.4	1629.8	2732.2	4313.7	4675.5	4564.8	3981.7	3726.1
65°	490.3	502.2	560.9	812.7	1129.9	1782.1	3964.6	4647.3	4754.2	4133.2	3814.5
67.5°	365.5	368.5	396.7	505.1	768.9	931.5	3111.8	4255.1	4625.7	4143.6	3785.6
70°	320.9	326.9	354.3	381.1	572.0	586.1	1819.2	3420.8	4110.2	3994.3	3639.2
72.5°	274.1	280.1	316.5	355.1	437.5	439.8	680.5	2273.1	3218.0	3691.2	3404.5
75°	223.6	227.3	259.3	311.3	364.7	352.9	393.7	1027.4	2059.9	3068.0	3036.8
77.5°	180.5	183.5	206.5	248.1	323.1	270.4	293.4	440.5	1023.6	2215.2	2460.3
80°	130.7	132.2	154.5	190.2	242.9	241.4	219.1	279.3	422.7	1294.0	1629.1
82.5°	83.2	83.2	106.2	124.8	161.2	238.5	153.8	187.9	236.2	644.1	783.7
85°	46.8	48.3	66.9	72.8	94.3	144.9	110.7	104.0	127.8	233.3	193.1
87.5°	8.9	11.1	19.3	20.8	24.5	34.2	40.1	36.4	37.9	54.2	31.9
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.5	2.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.2	2.2
5°	1.5	2.2	3.0	3.0	3.7	5.2	5.9	5.9	6.7	7.4	6.7
7.5°	1.5	2.2	3.0	4.5	5.9	11.9	43.1	152.3	163.4	165.7	168.6
10°	6.7	6.7	7.4	8.2	33.4	159.7	171.6	173.1	174.6	175.3	176.1
12.5°	130.7	129.3	128.5	98.8	152.3	176.1	178.3	179.8	182.0	216.9	234.7
15°	249.6	250.3	237.7	228.1	265.2	193.1	205.8	317.9	329.1	332.8	335.0
17.5°	286.0	298.6	265.2	352.1	349.1	294.2	323.9	341.0	342.5	344.7	345.4
20°	406.3	403.4	386.3	441.3	378.1	483.6	401.1	345.4	434.6	478.4	479.1
22.5°	527.4	528.2	503.7	509.6	543.8	497.7	401.9	456.1	467.3	466.5	464.3
25°	679.7	673.8	661.9	566.8	641.8	541.5	534.9	442.0	443.5	479.1	502.2
27.5°	831.3	816.4	769.6	734.7	666.3	602.5	505.1	478.4	515.5	513.3	514.1
30°	1040.7	1017.7	888.5	884.0	707.2	596.5	514.1	476.2	463.5	466.5	465.0
32.5°	1250.2	1208.6	1092.0	1054.1	754.0	555.7	471.7	439.8	476.2	481.4	478.4
35°	1379.5	1345.3	1305.2	1154.4	759.2	511.8	427.1	434.6	432.3	430.1	431.6
37.5°	1530.3	1474.6	1439.6	1188.6	716.1	456.9	407.1	401.1	436.8	437.5	434.6
40°	1698.9	1635.8	1557.8	1173.0	618.1	413.8	378.1	397.4	399.7	390.7	388.5
42.5°	1889.1	1797.0	1681.1	1152.2	512.6	388.5	367.0	369.2	370.7	361.0	357.3
45°	2080.7	1973.0	1786.6	1094.2	436.1	363.3	349.9	349.1	341.7	332.8	330.6
47.5°	2295.4	2169.1	1873.5	993.2	381.8	343.9	338.7	324.6	326.9	318.7	317.9
50°	2516.8	2380.8	1923.2	872.1	346.2	327.6	318.7	314.2	320.2	310.5	309.0
52.5°	2733.7	2620.0	2002.0	763.7	315.7	313.5	309.8	311.3	313.5	303.1	302.3
55°	2969.2	2887.5	2074.0	660.4	289.0	294.2	306.8	306.1	305.3	295.7	295.7
57.5°	3185.3	3145.2	2147.6	580.9	268.2	277.1	300.1	300.1	296.4	288.2	287.5
60°	3436.4	3406.7	2217.4	509.6	250.3	261.5	291.9	292.7	286.0	280.1	278.6
62.5°	3664.5	3642.2	2273.1	434.6	231.0	248.1	280.1	285.3	275.6	271.1	271.1
65°	3824.9	3809.3	2303.6	341.7	212.5	234.7	267.4	274.9	262.2	261.5	261.5
67.5°	3839.1	3829.4	2240.4	285.3	199.1	222.1	251.8	259.3	248.1	250.3	245.9
70°	3707.6	3637.0	2061.4	237.7	185.7	205.8	233.3	242.2	231.0	231.8	224.3
72.5°	3429.7	3226.2	1745.0	202.1	170.9	187.9	213.2	221.4	211.0	208.7	200.6
75°	2962.5	2648.3	1214.6	175.3	155.3	168.6	188.7	196.9	190.2	179.0	176.8
77.5°	2294.7	1941.1	744.3	151.5	141.1	148.6	163.4	167.9	161.2	147.8	145.6
80°	1446.3	1164.0	358.8	131.5	122.6	126.3	135.9	139.7	134.5	121.1	113.7
82.5°	662.6	502.9	189.4	106.2	99.5	99.5	109.2	106.2	101.8	89.1	72.1
85°	154.5	159.0	87.7	65.4	63.1	56.5	65.4	64.6	57.9	44.6	37.1
87.5°	25.3	28.2	22.3	20.1	16.3	12.6	14.1	11.9	10.4	5.2	2.2
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)