

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: P415468

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415468
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-PA1-50-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5972 lumens
Efficiency: N/A
Efficacy: 110.6 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

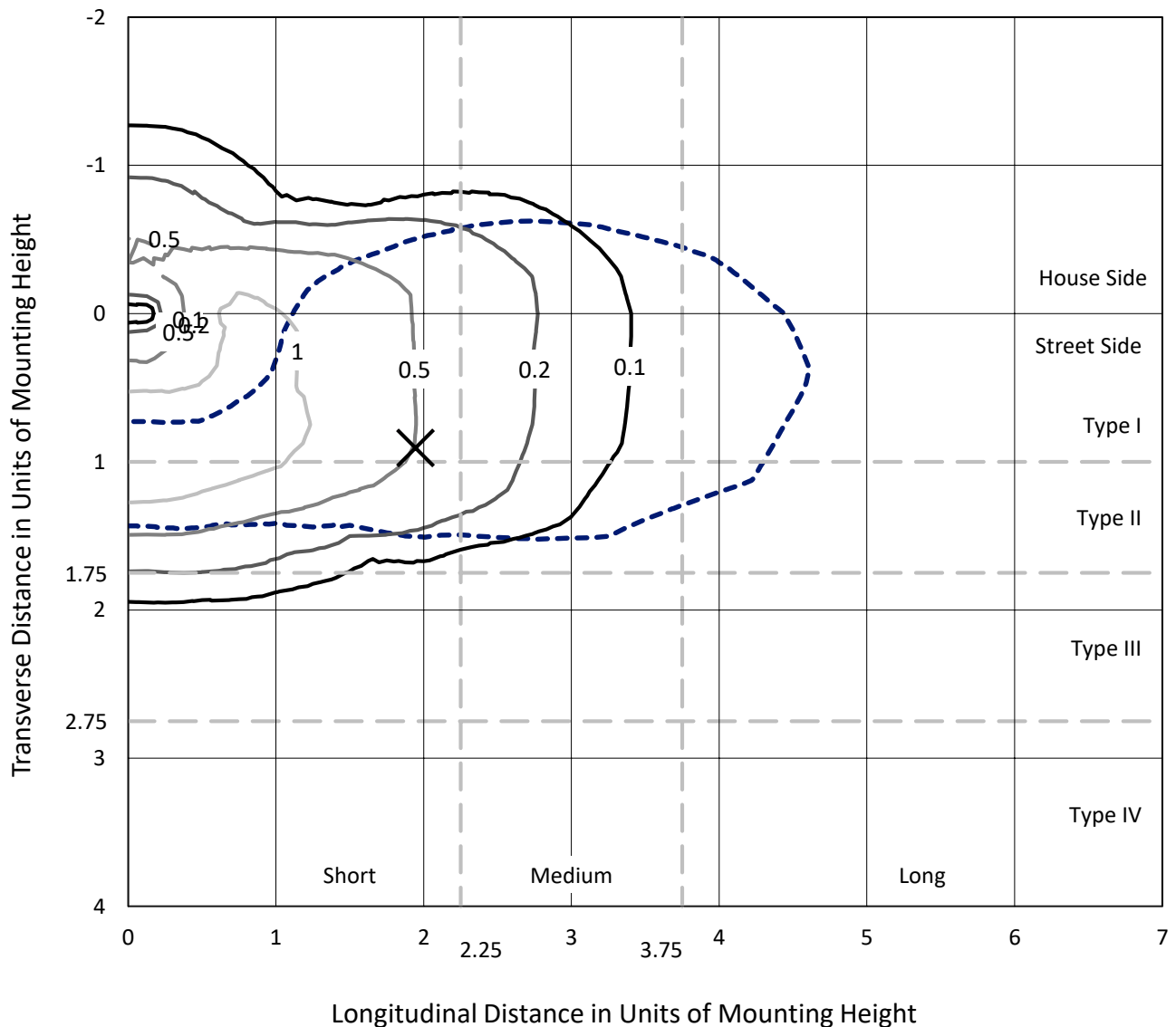
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415468
 CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

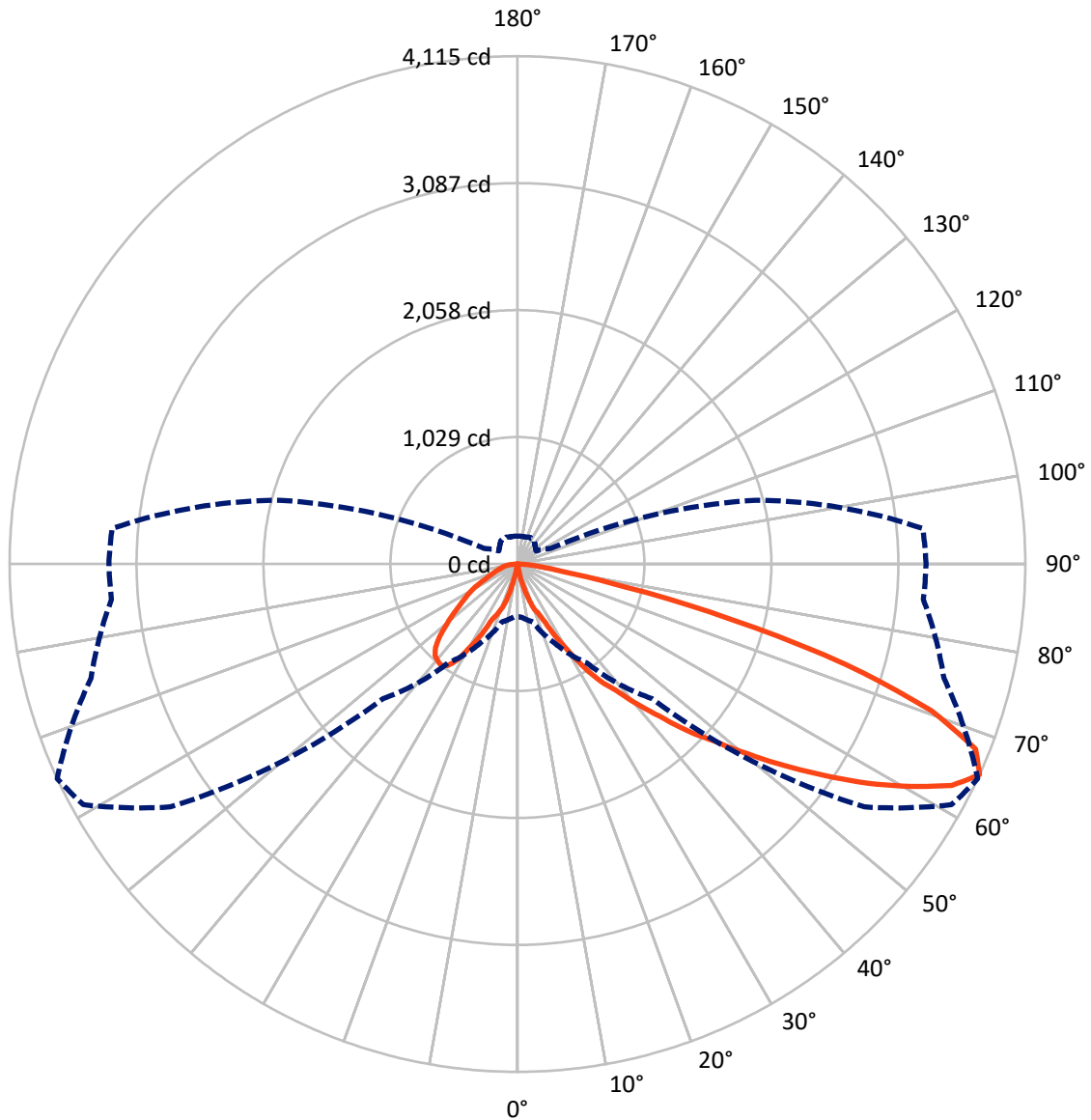
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415468
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U

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	1611.4	0.0	1611.4
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	4360.6	0.0	4360.6
	% Fixture	73.0	0.0	73.0
Total	Lumens	5972.0	0.0	5972.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	66.0	1.1
20°-30°	254.0	4.3
30°-40°	635.7	10.6
40°-50°	1183.6	19.8
50°-60°	1549.8	26.0
60°-70°	1389.4	23.3
70°-80°	764.2	12.8
80°-90°	124.9	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°	5972.0	100.0
0°-180°	5972.0	100.0



REPORT NUMBER: P415468

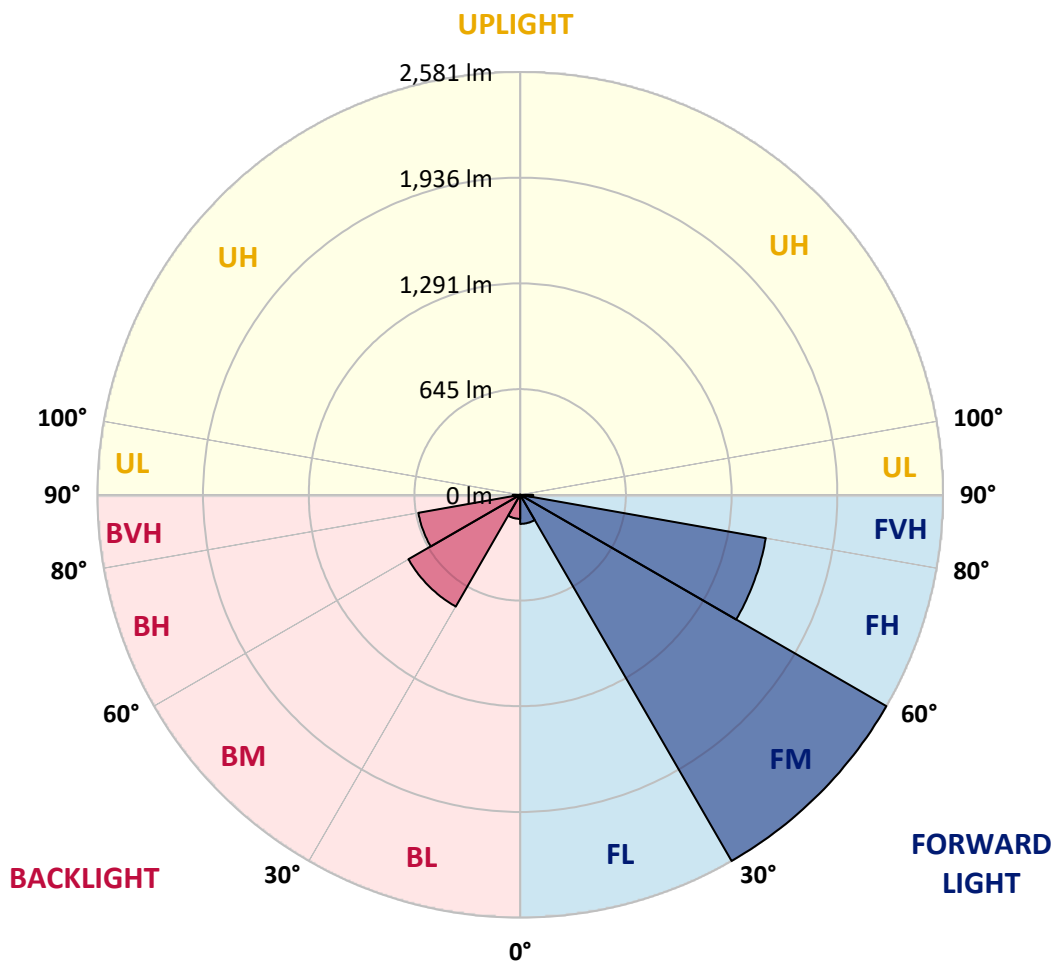
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.5	3.0			
FM	(30°-60°)	2581.2	43.2			
FH	(60°-80°)	1522.6	25.5			G1/1800
FVH	(80°-90°)	79.2	1.3			G1/100
BL	(0°-30°)	146.8	2.5	B1/500		
BM	(30°-60°)	787.9	13.2	B1/1000		
BH	(60°-80°)	631.0	10.6	B2/1000		G2/1000
BVH	(80°-90°)	45.6	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: P415468

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.2	3.2	3.9	4.5	4.5	3.9	3.2	2.6	1.9	1.3	1.3
5°	29.6	26.4	20.6	14.1	8.4	6.4	5.1	3.9	3.2	1.9	1.3
7.5°	144.7	144.0	143.4	144.0	140.8	55.3	10.3	6.4	5.1	2.6	1.9
10°	145.3	144.7	144.0	145.3	145.3	143.4	136.3	19.9	10.3	6.4	6.4
12.5°	258.5	249.5	172.3	151.8	146.6	146.6	146.6	131.2	124.7	92.0	111.2
15°	271.4	269.4	268.8	270.1	239.2	158.2	221.2	208.3	210.9	180.1	213.5
17.5°	285.5	282.3	279.7	280.4	269.4	310.6	290.7	297.1	299.7	227.6	249.5
20°	442.4	442.4	409.0	309.9	340.2	389.7	321.5	353.0	391.0	340.2	349.2
22.5°	502.2	497.7	493.2	467.5	427.6	425.0	467.5	409.6	434.7	499.6	461.7
25°	682.9	684.2	573.6	539.5	597.4	520.9	558.2	554.9	525.4	605.7	585.2
27.5°	864.2	866.8	854.6	760.7	682.9	670.0	635.3	684.8	677.1	672.0	720.2
30°	1033.4	1032.7	977.4	938.2	896.4	821.8	783.2	793.5	824.4	796.1	898.3
32.5°	1437.8	1426.9	1367.7	1118.9	1054.6	984.5	973.6	944.6	1006.4	986.4	1080.9
35°	1707.3	1704.7	1597.3	1457.1	1253.9	1176.1	1177.4	1123.4	1174.2	1199.9	1214.7
37.5°	2309.1	2300.1	2136.8	1725.9	1565.8	1405.7	1376.1	1350.4	1297.6	1372.2	1371.6
40°	2633.2	2607.5	2463.5	2192.8	1838.4	1645.5	1583.8	1528.5	1490.6	1534.3	1528.5
42.5°	2885.3	2865.4	2763.8	2483.4	2194.0	2044.2	1814.0	1761.3	1684.8	1736.8	1709.8
45°	3066.0	3055.7	2965.0	2756.7	2534.8	2424.9	2073.8	1991.5	1925.3	1918.2	1902.1
47.5°	3100.7	3078.9	3051.9	2934.8	2840.3	2807.5	2395.3	2253.2	2143.9	2123.3	2096.3
50°	2936.7	2930.3	2965.7	2944.5	3059.6	3136.1	2766.3	2569.6	2416.5	2343.9	2291.8
52.5°	2556.7	2570.2	2705.9	2800.4	3087.2	3365.0	3114.9	2924.5	2715.5	2555.4	2485.3
55°	2031.4	2080.2	2281.5	2478.3	2914.2	3464.0	3445.4	3295.6	3026.1	2792.1	2688.5
57.5°	1560.0	1554.9	1814.0	1992.8	2563.1	3397.8	3660.2	3617.7	3352.8	3037.7	2882.7
60°	1010.9	1006.4	1312.4	1541.4	1975.4	3058.3	3771.4	3882.7	3659.5	3249.9	3057.6
62.5°	659.8	687.4	803.8	1129.2	1410.8	2365.1	3734.1	4047.3	3951.5	3446.7	3225.5
65°	424.4	434.7	485.5	703.5	978.1	1542.6	3431.9	4022.8	4115.4	3577.9	3302.0
67.5°	316.4	318.9	343.4	437.3	665.5	806.4	2693.7	3683.3	4004.2	3586.9	3276.9
70°	277.8	282.9	306.7	329.9	495.1	507.4	1574.8	2961.2	3557.9	3457.6	3150.2
72.5°	237.3	242.4	273.9	307.4	378.7	380.7	589.0	1967.7	2785.6	3195.2	2947.0
75°	193.6	196.8	224.4	269.4	315.7	305.4	340.8	889.3	1783.1	2655.7	2628.7
77.5°	156.3	158.8	178.8	214.8	279.7	234.1	254.0	381.3	886.1	1917.5	2129.7
80°	113.2	114.5	133.8	164.6	210.3	209.0	189.7	241.8	365.9	1120.2	1410.2
82.5°	72.0	72.0	92.0	108.0	139.5	206.4	133.1	162.7	204.5	557.5	678.4
85°	40.5	41.8	57.9	63.0	81.7	125.4	95.8	90.0	110.6	201.9	167.2
87.5°	7.7	9.6	16.7	18.0	21.2	29.6	34.7	31.5	32.8	46.9	27.7
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: P415468

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.3	1.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.9	1.9
5°	1.3	1.9	2.6	2.6	3.2	4.5	5.1	5.1	5.8	6.4	5.8
7.5°	1.3	1.9	2.6	3.9	5.1	10.3	37.3	131.8	141.5	143.4	146.0
10°	5.8	5.8	6.4	7.1	28.9	138.3	148.5	149.8	151.1	151.8	152.4
12.5°	113.2	111.9	111.2	85.5	131.8	152.4	154.3	155.6	157.5	187.8	203.2
15°	216.1	216.7	205.8	197.4	229.6	167.2	178.1	275.2	284.9	288.1	290.0
17.5°	247.6	258.5	229.6	304.8	302.2	254.6	280.4	295.2	296.4	298.4	299.0
20°	351.7	349.2	334.4	382.0	327.3	418.6	347.2	299.0	376.2	414.1	414.8
22.5°	456.6	457.2	436.0	441.1	470.7	430.8	347.9	394.8	404.5	403.8	401.9
25°	588.4	583.2	572.9	490.6	555.6	468.8	463.0	382.6	383.9	414.8	434.7
27.5°	719.6	706.7	666.2	636.0	576.8	521.5	437.3	414.1	446.3	444.3	445.0
30°	900.9	881.0	769.1	765.2	612.2	516.4	445.0	412.2	401.3	403.8	402.5
32.5°	1082.2	1046.2	945.3	912.5	652.7	481.0	408.3	380.7	412.2	416.7	414.1
35°	1194.1	1164.5	1129.8	999.3	657.2	443.1	369.7	376.2	374.2	372.3	373.6
37.5°	1324.7	1276.4	1246.2	1028.9	619.9	395.5	352.4	347.2	378.1	378.7	376.2
40°	1470.6	1416.0	1348.4	1015.4	535.0	358.2	327.3	344.0	346.0	338.2	336.3
42.5°	1635.2	1555.5	1455.2	997.3	443.7	336.3	317.7	319.6	320.9	312.5	309.3
45°	1801.1	1707.9	1546.5	947.2	377.5	314.4	302.9	302.2	295.8	288.1	286.2
47.5°	1987.0	1877.7	1621.7	859.7	330.5	297.7	293.2	281.0	282.9	275.9	275.2
50°	2178.6	2060.9	1664.8	754.9	299.7	283.6	275.9	272.0	277.1	268.8	267.5
52.5°	2366.4	2268.0	1733.0	661.0	273.3	271.4	268.1	269.4	271.4	262.4	261.7
55°	2570.2	2499.5	1795.4	571.7	250.1	254.6	265.6	264.9	264.3	255.9	255.9
57.5°	2757.3	2722.6	1859.0	502.9	232.1	239.9	259.8	259.8	256.6	249.5	248.9
60°	2974.7	2949.0	1919.5	441.1	216.7	226.3	252.7	253.4	247.6	242.4	241.1
62.5°	3172.1	3152.8	1967.7	376.2	200.0	214.8	242.4	246.9	238.6	234.7	234.7
65°	3311.0	3297.5	1994.1	295.8	183.9	203.2	231.5	237.9	227.0	226.3	226.3
67.5°	3323.2	3314.9	1939.4	246.9	172.3	192.3	218.0	224.4	214.8	216.7	212.8
70°	3209.4	3148.3	1784.4	205.8	160.8	178.1	201.9	209.6	200.0	200.6	194.2
72.5°	2968.9	2792.7	1510.5	174.9	147.9	162.7	184.6	191.6	182.6	180.7	173.6
75°	2564.4	2292.4	1051.4	151.8	134.4	146.0	163.3	170.4	164.6	155.0	153.0
77.5°	1986.3	1680.3	644.3	131.2	122.2	128.6	141.5	145.3	139.5	128.0	126.0
80°	1252.0	1007.6	310.6	113.8	106.1	109.3	117.7	120.9	116.4	104.8	98.4
82.5°	573.6	435.3	164.0	92.0	86.2	86.2	94.5	92.0	88.1	77.2	62.4
85°	133.8	137.6	75.9	56.6	54.7	48.9	56.6	55.9	50.2	38.6	32.2
87.5°	21.9	24.4	19.3	17.4	14.1	10.9	12.2	10.3	9.0	4.5	1.9
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)