

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: P416318

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-730-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7683 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U0 - G2

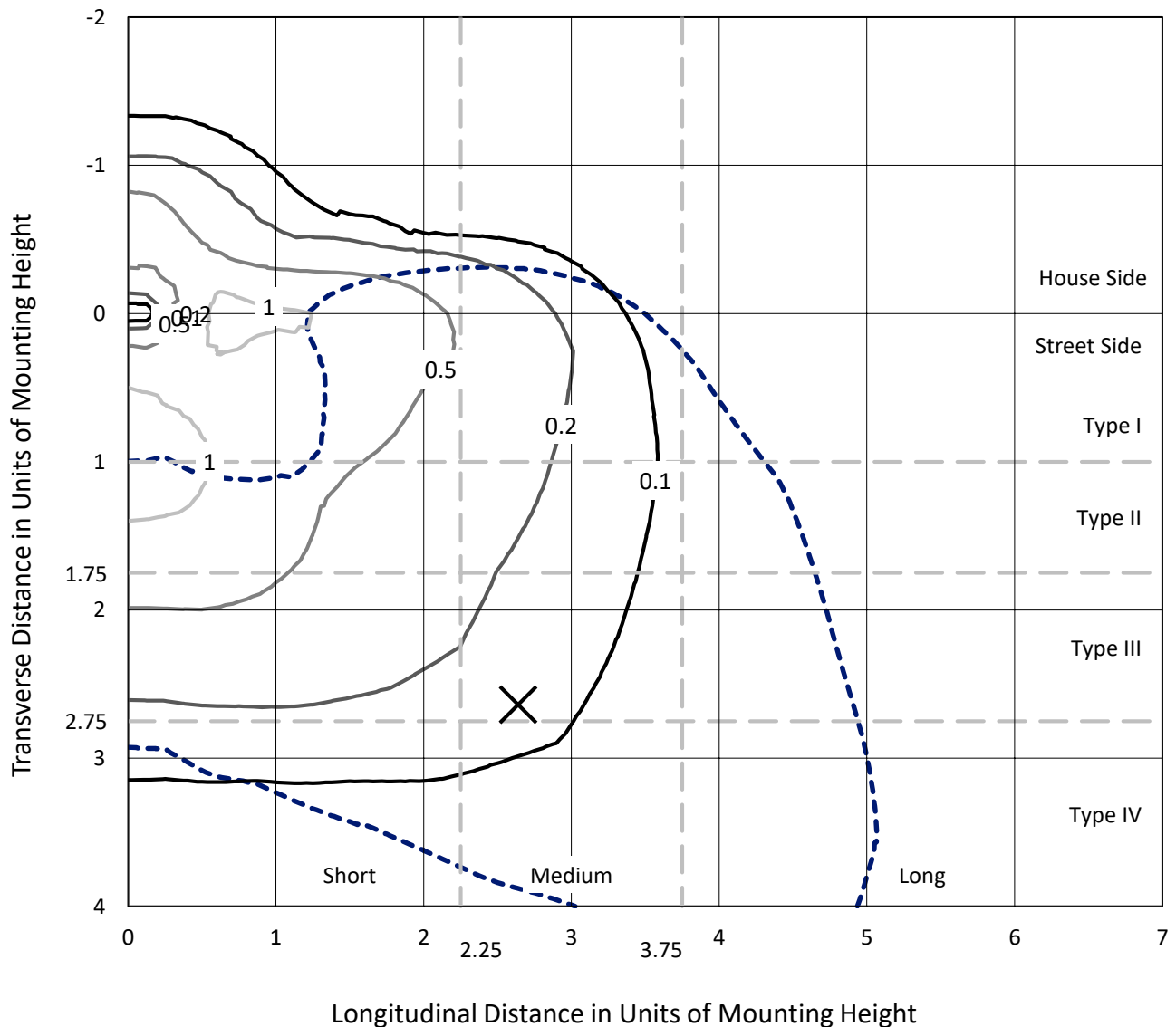
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416318  
 CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

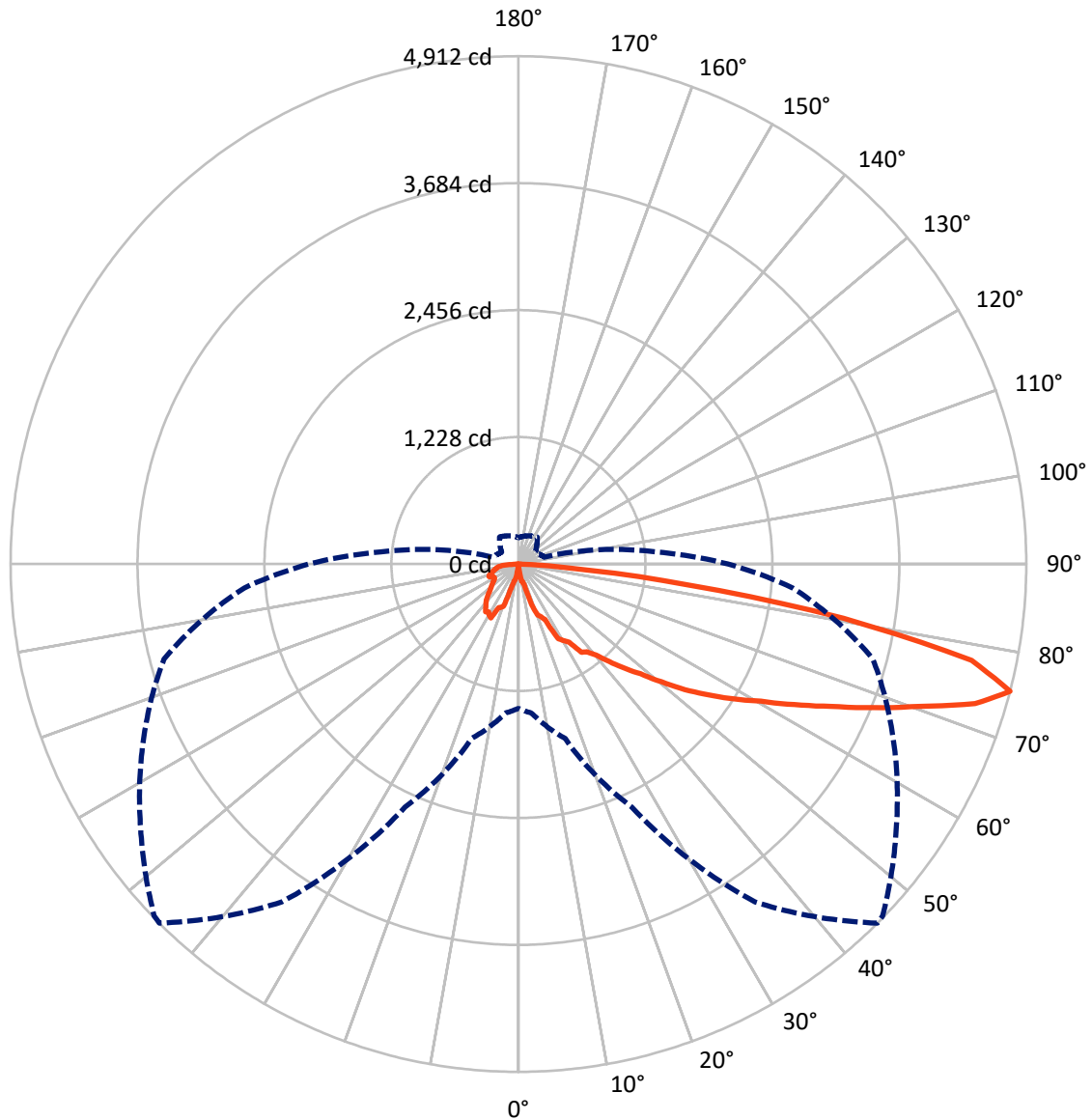
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416318  
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P416318

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W

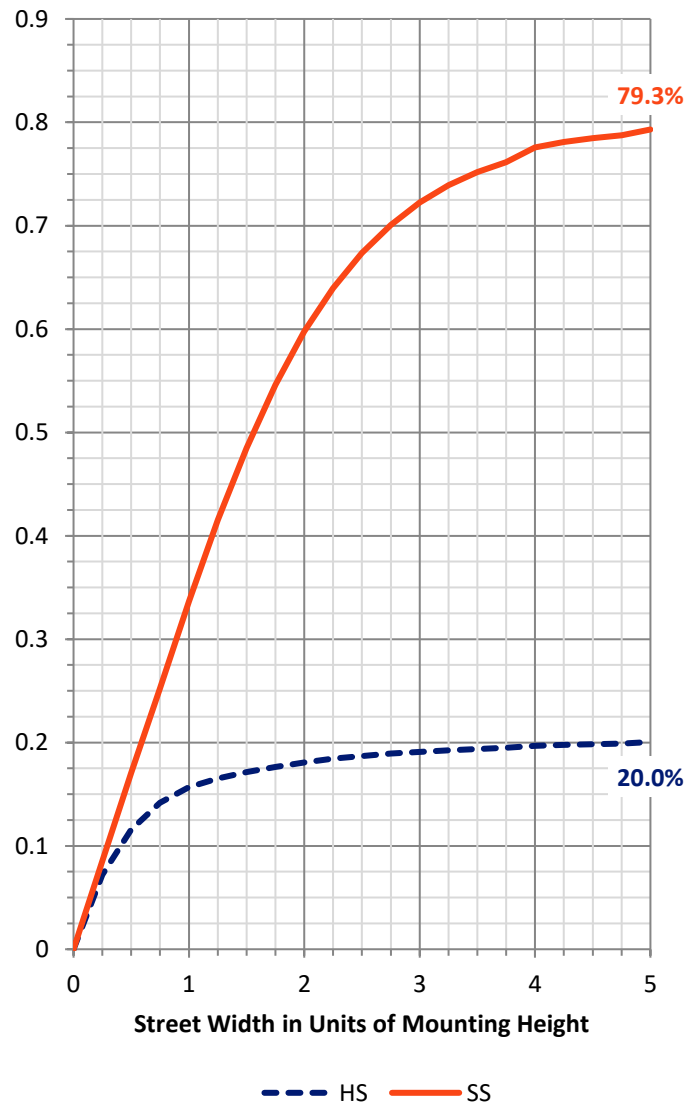
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1575.8	0.0	1575.8
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	6107.2	0.0	6107.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	7683.0	0.0	7683.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	79.3	1.0
20°-30°	295.2	3.8
30°-40°	608.2	7.9
40°-50°	964.4	12.6
50°-60°	1524.6	19.8
60°-70°	2141.9	27.9
70°-80°	1783.1	23.2
80°-90°	281.2	3.7
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°	7683.0	100.0
0°-180°	7683.0	100.0



REPORT NUMBER: P416318

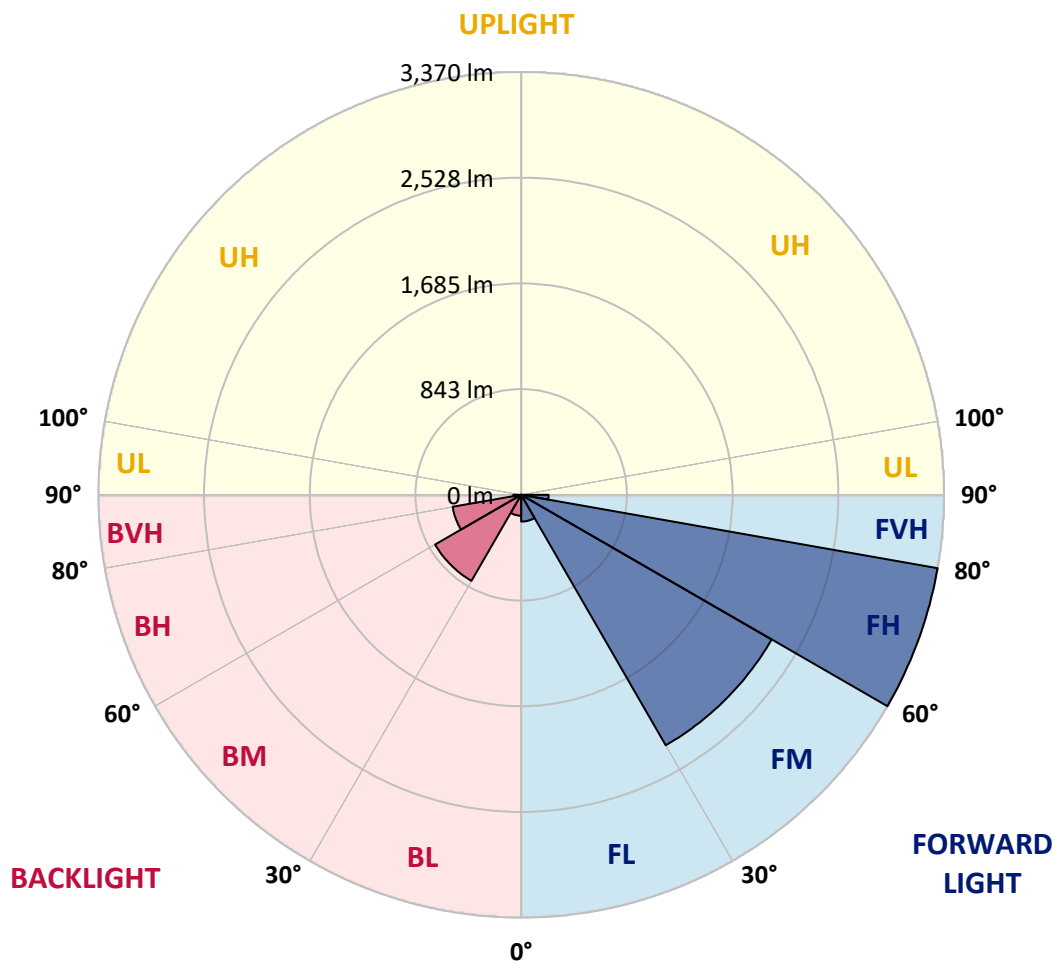
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.3	2.8			
FM	(30°-60°)	2305.3	30.0			
FH	(60°-80°)	3370.3	43.9			G2/5000
FVH	(80°-90°)	218.3	2.8			G2/225
BL	(0°-30°)	166.3	2.2	B1/500		
BM	(30°-60°)	792.0	10.3	B1/1000		
BH	(60°-80°)	554.7	7.2	B2/1000		G2/1000
BVH	(80°-90°)	62.8	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 IV Medium





REPORT NUMBER: P416318

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	2.5	3.3	3.3	3.3
5°	59.2	55.8	44.2	39.2	32.5	13.3	10.8	5.0	4.2	4.2	3.3
7.5°	175.8	174.1	171.6	165.8	158.3	99.2	85.8	30.8	5.8	4.2	3.3
10°	194.1	190.8	186.6	180.8	174.1	165.8	165.0	151.7	27.5	9.2	7.5
12.5°	381.6	375.0	313.3	226.6	187.5	177.5	177.5	171.6	124.2	43.3	101.7
15°	410.0	406.6	395.0	380.0	357.5	205.8	201.6	268.3	330.8	231.6	245.8
17.5°	460.8	453.3	417.5	399.1	382.5	415.0	412.5	384.1	362.5	256.6	275.8
20°	642.4	638.3	623.3	446.6	411.6	524.9	526.6	435.8	394.1	454.1	450.8
22.5°	657.4	656.6	645.8	619.1	652.4	550.8	551.6	579.1	575.8	602.4	546.6
25°	859.9	857.4	695.8	638.3	712.4	593.3	619.9	718.3	641.6	653.3	682.4
27.5°	882.4	880.7	871.6	831.6	737.4	817.4	817.4	742.4	817.4	855.7	860.7
30°	1003.2	971.6	907.4	888.2	859.1	858.2	860.7	859.9	945.7	895.7	945.7
32.5°	1179.9	1173.2	1149.9	963.2	954.9	899.9	928.2	993.2	987.4	1139.0	1204.0
35°	1434.8	1344.0	1261.5	1111.5	991.6	1048.2	1052.4	1029.9	1149.9	1198.2	1289.9
37.5°	1790.6	1765.6	1649.0	1251.5	1104.9	1077.4	1079.9	1153.2	1222.4	1275.7	1378.2
40°	2049.8	2036.5	1955.6	1532.3	1211.5	1156.5	1162.4	1209.9	1274.0	1369.0	1475.7
42.5°	2298.1	2298.1	2250.6	1772.3	1440.7	1291.5	1287.4	1297.4	1343.2	1443.2	1619.8
45°	2459.7	2450.6	2490.6	1998.1	1611.5	1436.5	1420.7	1418.2	1434.8	1553.2	1813.1
47.5°	2622.2	2597.2	2635.6	2226.4	1834.8	1586.5	1588.2	1557.3	1579.8	1761.5	2077.3
50°	2793.9	2798.9	2793.9	2418.9	2054.0	1790.6	1776.5	1737.3	1782.3	2005.6	2373.1
52.5°	3038.8	3021.3	2972.2	2663.9	2333.9	2017.3	1994.8	1938.1	2044.0	2293.1	2743.0
55°	3217.2	3200.5	3187.2	2926.4	2548.9	2236.4	2223.1	2160.6	2358.9	2583.1	3124.7
57.5°	3411.3	3391.3	3429.6	3284.7	2886.4	2465.6	2448.1	2409.7	2682.2	2913.9	3513.0
60°	3542.1	3543.0	3647.9	3543.0	3168.0	2694.7	2678.1	2706.4	2978.0	3217.2	3932.1
62.5°	3542.1	3569.6	3800.4	3825.4	3469.6	2993.9	2964.7	2980.5	3299.7	3535.5	4276.2
65°	3206.3	3240.5	3778.8	3907.1	3772.1	3317.2	3303.0	3293.0	3603.8	3787.1	4546.2
67.5°	2863.9	2906.4	3450.5	3911.3	4019.6	3709.6	3657.9	3573.8	3866.3	3974.6	4691.2
70°	2626.4	2661.4	3093.8	3777.1	4179.6	4121.2	4087.1	3865.4	4042.1	4093.7	4527.9
72.5°	2240.6	2243.9	2628.9	3493.8	4287.0	4618.7	4538.7	4188.7	4141.2	4016.2	3839.6
75°	1396.5	1447.3	1747.3	2593.1	3990.4	4912.0	4897.0	4460.4	3999.6	3548.8	2662.2
77.5°	519.9	549.9	730.8	1331.5	2855.5	4480.4	4493.7	4165.4	3383.0	2571.4	1429.8
80°	169.1	181.6	241.6	429.1	1268.2	3188.8	3293.0	2954.7	2074.8	1306.5	602.4
82.5°	94.2	90.8	140.0	222.5	541.6	1652.3	1720.7	1420.7	978.2	546.6	225.0
85°	43.3	45.0	66.7	120.8	289.1	460.8	497.4	485.8	370.8	225.0	82.5
87.5°	9.2	10.8	15.0	28.3	45.0	39.2	28.3	50.0	72.5	53.3	14.2
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: P416318

CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.3	3.3	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	1.7
5°	3.3	3.3	2.5	2.5	2.5	2.5	3.3	5.8	6.7	7.5	6.7
7.5°	3.3	3.3	3.3	3.3	4.2	8.3	39.2	120.0	127.5	130.0	133.3
10°	7.5	6.7	6.7	7.5	25.8	125.8	151.7	160.0	164.1	166.6	165.8
12.5°	115.8	115.0	42.5	25.8	120.8	159.1	163.3	168.3	176.6	185.0	181.6
15°	245.0	244.1	225.0	233.3	235.0	173.3	176.6	289.1	308.3	320.8	325.0
17.5°	266.6	269.1	261.6	322.5	330.0	262.5	294.1	322.5	329.1	333.3	334.1
20°	494.9	445.0	380.8	360.8	351.6	433.3	328.3	331.6	428.3	459.1	462.5
22.5°	544.1	539.9	504.9	519.9	439.1	451.6	425.0	448.3	491.6	500.8	500.8
25°	702.4	694.9	576.6	541.6	557.4	464.1	536.6	488.3	504.1	520.8	522.4
27.5°	863.2	854.1	769.9	609.1	552.4	585.8	544.9	589.1	637.4	660.8	661.6
30°	938.2	925.7	803.2	686.6	574.9	573.3	572.4	651.6	647.4	662.4	666.6
32.5°	1246.5	1226.5	1026.6	674.9	596.6	544.9	607.4	634.1	729.1	775.8	780.8
35°	1321.5	1296.5	1031.6	746.6	563.3	561.6	563.3	650.8	702.4	735.8	743.3
37.5°	1407.4	1373.2	1019.9	699.9	576.6	523.3	535.8	587.4	699.9	774.9	780.8
40°	1514.0	1461.5	1016.6	653.3	537.4	494.9	492.4	561.6	611.6	657.4	661.6
42.5°	1661.5	1577.3	1011.6	604.9	491.6	460.8	465.0	494.9	534.9	530.8	537.4
45°	1857.3	1721.5	1003.2	562.4	445.0	418.3	415.8	437.5	455.8	429.1	421.6
47.5°	2102.3	1899.8	1016.6	521.6	401.6	376.6	377.5	386.6	390.0	360.8	354.1
50°	2380.6	2101.4	1030.7	476.6	366.6	347.5	343.3	346.6	341.6	313.3	310.8
52.5°	2712.2	2338.1	1038.2	434.1	338.3	323.3	318.3	315.8	308.3	289.1	286.6
55°	3096.3	2622.2	1054.1	400.0	315.0	300.8	298.3	295.0	292.5	281.6	280.0
57.5°	3489.6	2935.5	1044.9	365.0	292.5	280.0	285.0	290.8	297.5	293.3	292.5
60°	3850.4	3185.5	931.6	334.1	270.8	267.5	289.1	316.6	321.6	325.8	325.0
62.5°	4120.4	3311.3	739.1	307.5	255.8	268.3	320.8	359.1	354.1	343.3	340.8
65°	4215.4	3276.3	569.1	287.5	248.3	290.8	354.1	374.1	345.8	325.8	321.6
67.5°	4152.1	3103.8	440.8	270.8	244.1	310.0	365.8	360.0	327.5	312.5	306.6
70°	3827.9	2744.7	350.0	256.6	240.0	298.3	360.0	343.3	312.5	299.1	290.0
72.5°	3132.2	2170.6	300.0	240.8	222.5	274.1	341.6	320.8	299.1	281.6	273.3
75°	2025.6	1334.9	260.8	222.5	199.1	248.3	318.3	299.1	280.8	263.3	255.0
77.5°	974.9	606.6	228.3	200.0	177.5	229.1	299.1	276.6	258.3	240.8	230.8
80°	410.8	286.6	195.0	177.5	161.6	215.0	278.3	252.5	231.6	219.1	208.3
82.5°	200.0	158.3	148.3	144.2	140.8	195.8	255.8	224.1	202.5	190.8	166.6
85°	67.5	68.3	91.7	89.2	99.2	156.7	209.1	170.0	151.7	131.7	123.3
87.5°	6.7	9.2	12.5	15.8	32.5	43.3	71.7	58.3	45.8	17.5	11.7
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)