

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: P415902

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415902  
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-PA1-60-730-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6850 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - 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

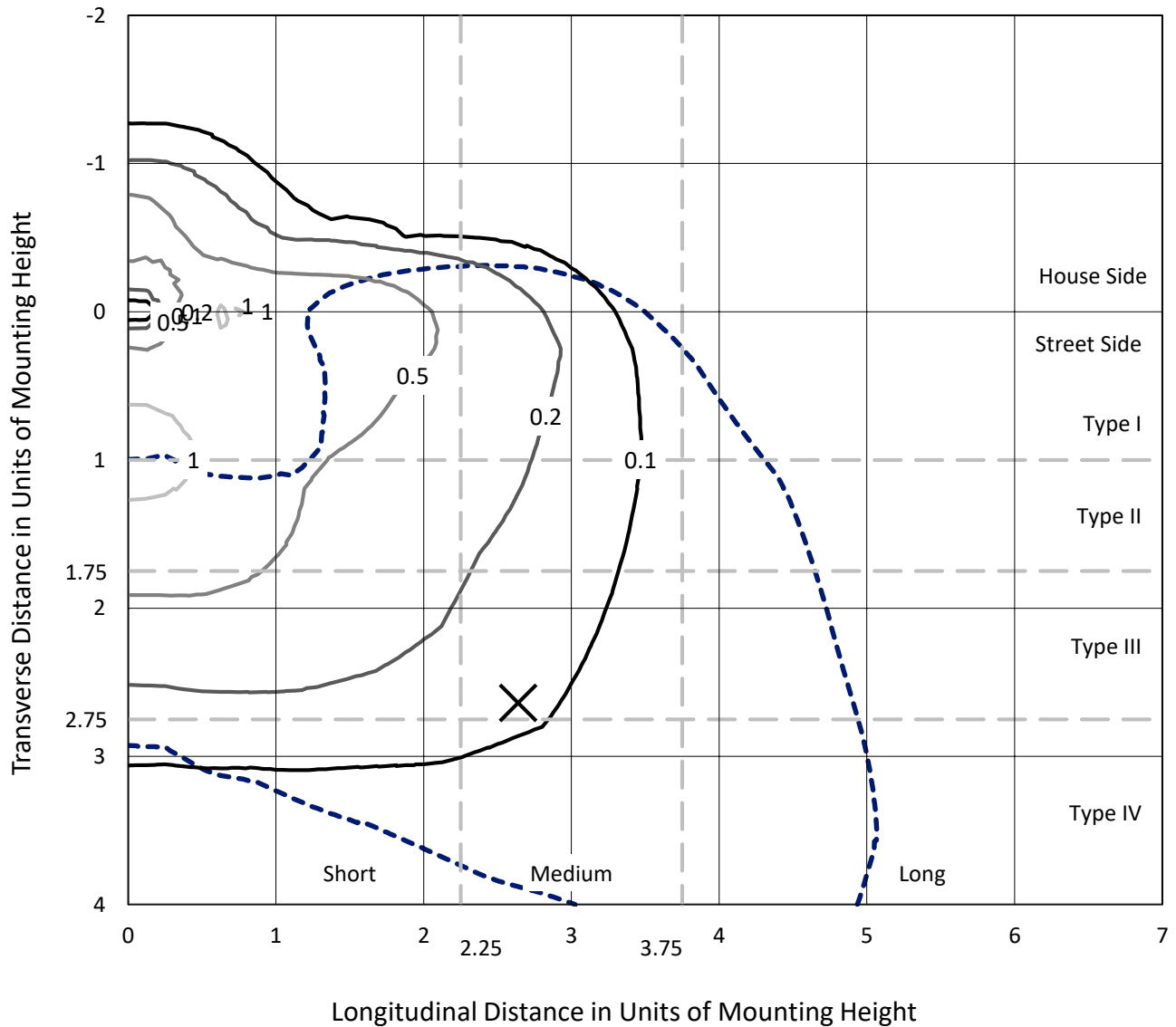




REPORT NUMBER: P415902  
 CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

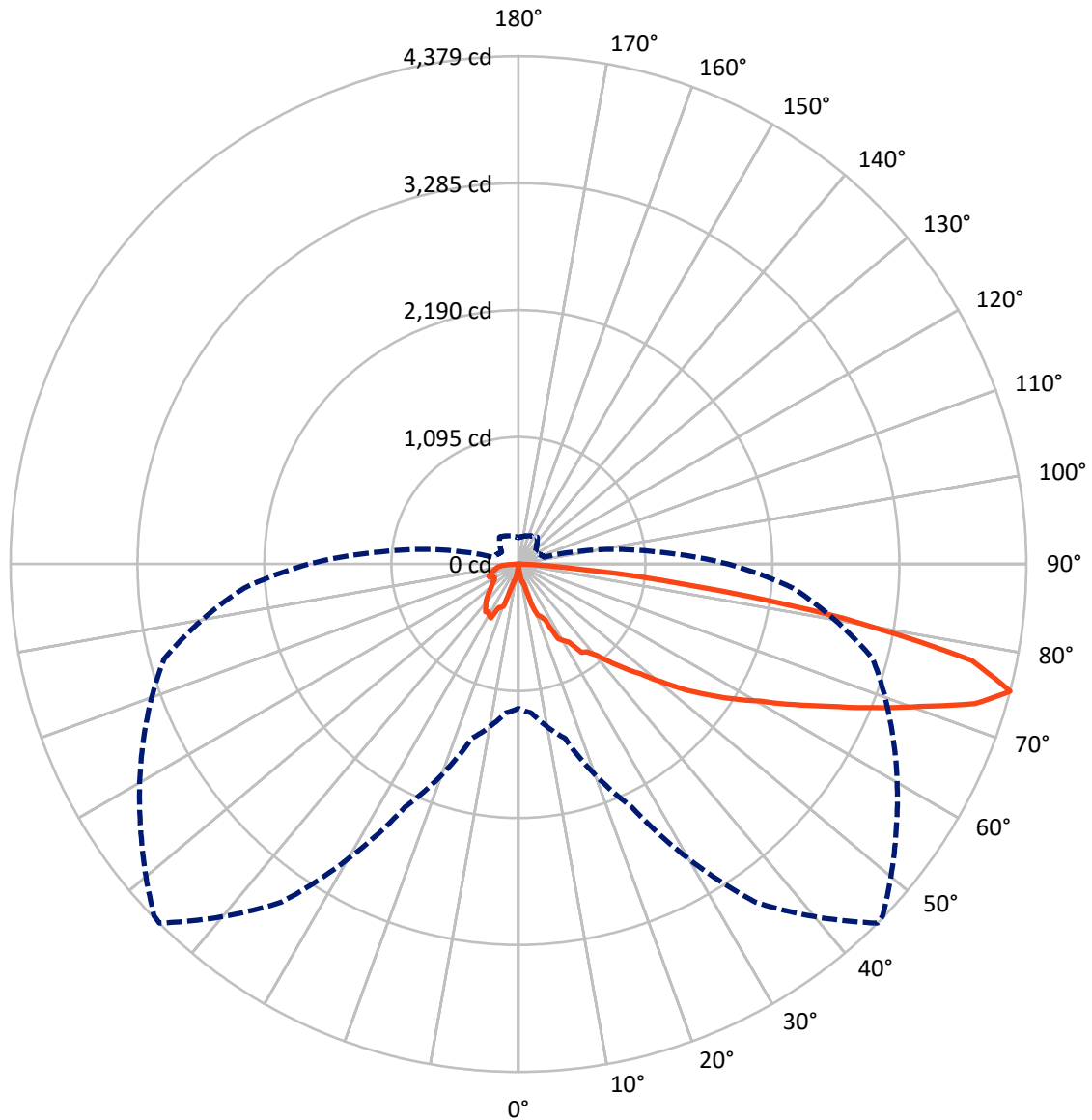


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415902

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P415902

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W

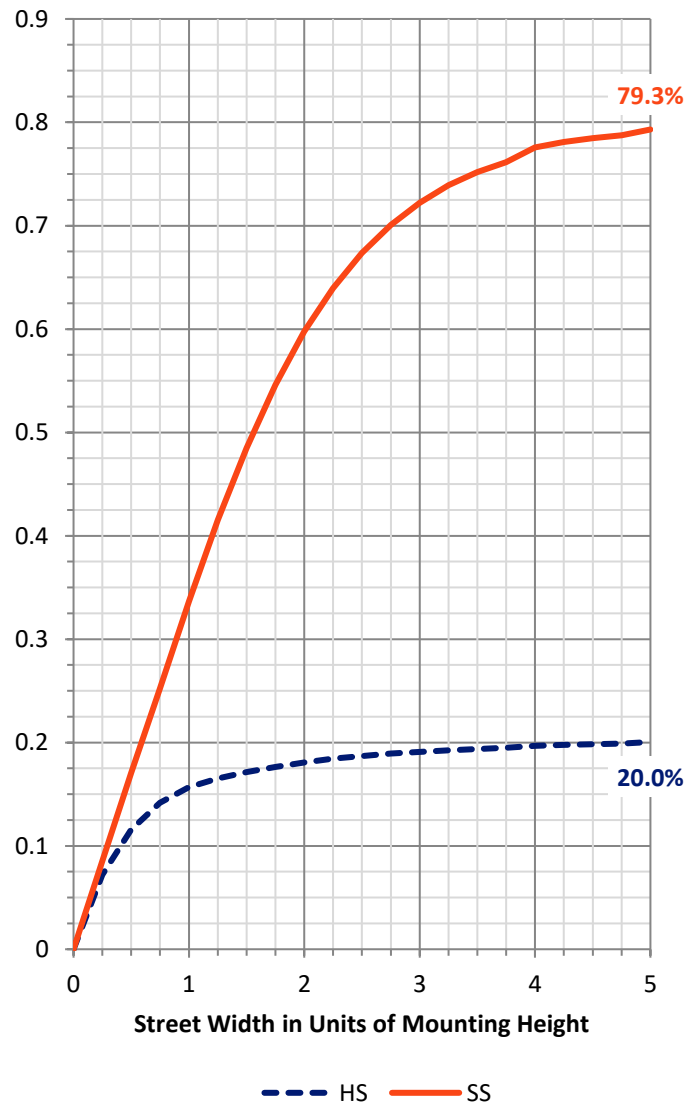
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1404.9	0.0	1404.9
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	5445.1	0.0	5445.1
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	6850.0	0.0	6850.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	70.7	1.0
20°-30°	263.2	3.8
30°-40°	542.3	7.9
40°-50°	859.9	12.6
50°-60°	1359.3	19.8
60°-70°	1909.7	27.9
70°-80°	1589.8	23.2
80°-90°	250.7	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°	6850.0	100.0
0°-180°	6850.0	100.0



REPORT NUMBER: P415902

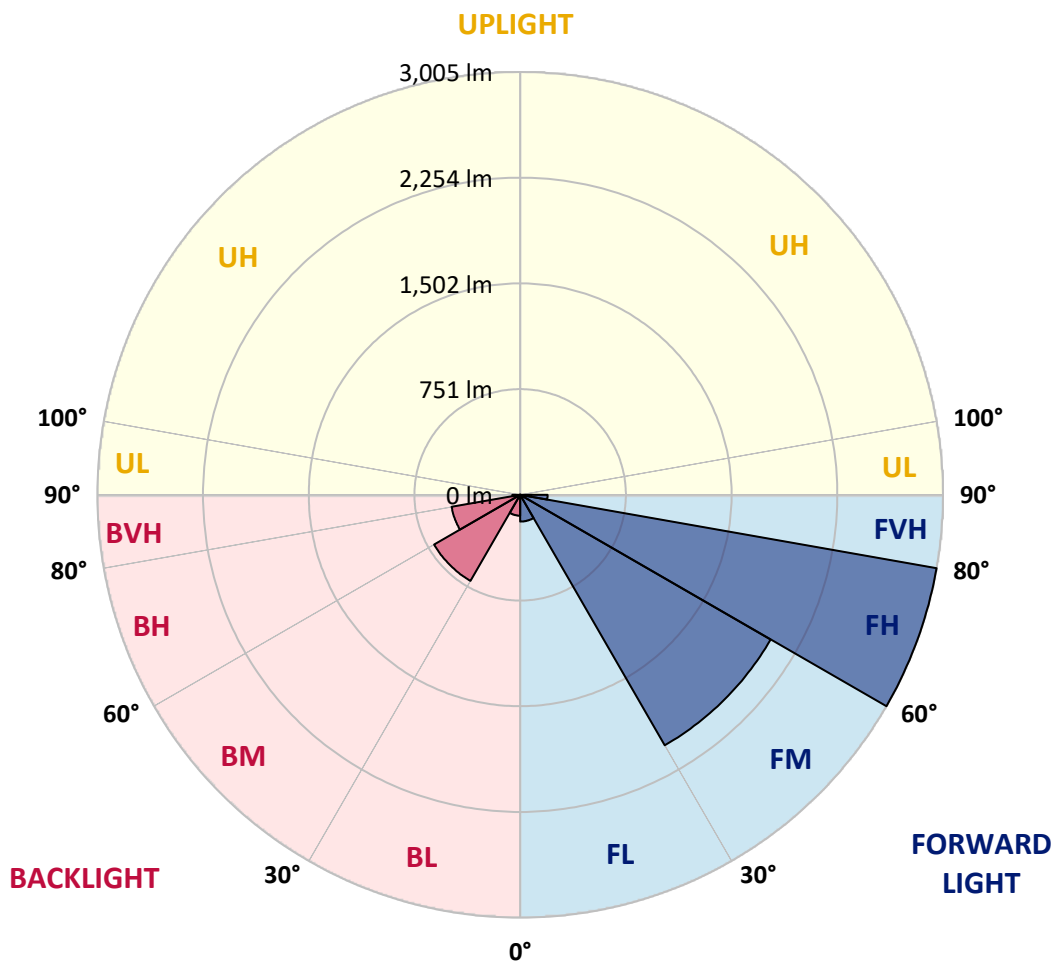
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.2	2.8			
FM	(30°-60°)	2055.3	30.0			
FH	(60°-80°)	3004.9	43.9			G2/5000
FVH	(80°-90°)	194.7	2.8			G2/225
BL	(0°-30°)	148.2	2.2	B1/500		
BM	(30°-60°)	706.1	10.3	B1/1000		
BH	(60°-80°)	494.6	7.2	B1/500		G1/500
BVH	(80°-90°)	56.0	0.8			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 IV Medium





REPORT NUMBER: P415902

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.7	3.7	3.7	3.7	3.7	3.0	3.0	2.2	3.0	3.0	3.0
5°	52.7	49.8	39.4	34.9	29.0	11.9	9.7	4.5	3.7	3.7	3.0
7.5°	156.8	155.3	153.0	147.8	141.2	88.4	76.5	27.5	5.2	3.7	3.0
10°	173.1	170.1	166.4	161.2	155.3	147.8	147.1	135.2	24.5	8.2	6.7
12.5°	340.3	334.3	279.3	202.1	167.2	158.2	158.2	153.0	110.7	38.6	90.6
15°	365.5	362.5	352.1	338.8	318.7	183.5	179.8	239.2	294.9	206.5	219.2
17.5°	410.8	404.1	372.2	355.9	341.0	370.0	367.7	342.5	323.2	228.8	245.9
20°	572.8	569.1	555.7	398.2	367.0	468.0	469.5	388.5	351.4	404.9	401.9
22.5°	586.2	585.4	575.8	552.0	581.7	491.1	491.8	516.3	513.3	537.1	487.3
25°	766.7	764.4	620.3	569.1	635.2	528.9	552.7	640.4	572.0	582.4	608.4
27.5°	786.7	785.2	777.1	741.4	657.5	728.8	728.8	661.9	728.8	763.0	767.4
30°	894.5	866.2	809.0	791.9	765.9	765.2	767.4	766.7	843.2	798.6	843.2
32.5°	1052.0	1046.0	1025.2	858.8	851.4	802.3	827.6	885.5	880.3	1015.5	1073.5
35°	1279.3	1198.3	1124.8	991.0	884.1	934.6	938.3	918.2	1025.2	1068.3	1150.0
37.5°	1596.5	1574.2	1470.2	1115.8	985.1	960.6	962.8	1028.2	1089.8	1137.4	1228.8
40°	1827.5	1815.7	1743.6	1366.2	1080.2	1031.2	1036.4	1078.7	1135.9	1220.6	1315.7
42.5°	2048.9	2048.9	2006.6	1580.2	1284.5	1151.5	1147.8	1156.7	1197.6	1286.7	1444.2
45°	2193.1	2184.9	2220.5	1781.5	1436.8	1280.8	1266.7	1264.4	1279.3	1384.8	1616.6
47.5°	2337.9	2315.6	2349.8	1985.0	1635.9	1414.5	1416.0	1388.5	1408.5	1570.5	1852.1
50°	2491.0	2495.4	2491.0	2156.7	1831.3	1596.5	1583.9	1549.0	1589.1	1788.2	2115.8
52.5°	2709.4	2693.8	2649.9	2375.1	2080.9	1798.6	1778.5	1728.0	1822.3	2044.5	2445.6
55°	2868.4	2853.5	2841.6	2609.1	2272.5	1994.0	1982.1	1926.4	2103.2	2303.0	2785.9
57.5°	3041.4	3023.6	3057.8	2928.5	2573.4	2198.3	2182.7	2148.5	2391.4	2597.9	3132.1
60°	3158.1	3158.8	3252.4	3158.8	2824.5	2402.6	2387.7	2413.0	2655.1	2868.4	3505.8
62.5°	3158.1	3182.6	3388.4	3410.7	3093.5	2669.3	2643.3	2657.4	2941.9	3152.1	3812.6
65°	2858.7	2889.2	3369.1	3483.5	3363.1	2957.5	2944.9	2936.0	3213.1	3376.5	4053.3
67.5°	2553.4	2591.2	3076.4	3487.2	3583.8	3307.4	3261.3	3186.3	3447.1	3543.7	4182.5
70°	2341.6	2372.8	2758.4	3367.6	3726.4	3674.4	3643.9	3446.3	3603.8	3649.9	4036.9
72.5°	1997.7	2000.6	2343.9	3115.0	3822.2	4117.9	4046.6	3734.6	3692.2	3580.8	3423.3
75°	1245.1	1290.4	1557.9	2311.9	3557.8	4379.4	4366.0	3976.8	3565.9	3164.0	2373.6
77.5°	463.6	490.3	651.5	1187.2	2545.9	3994.6	4006.5	3713.8	3016.2	2292.6	1274.8
80°	150.8	162.0	215.4	382.6	1130.7	2843.1	2936.0	2634.3	1849.8	1164.9	537.1
82.5°	83.9	81.0	124.8	198.4	482.9	1473.2	1534.1	1266.7	872.2	487.3	200.6
85°	38.6	40.1	59.4	107.7	257.8	410.8	443.5	433.1	330.6	200.6	73.5
87.5°	8.2	9.7	13.4	25.3	40.1	34.9	25.3	44.6	64.6	47.5	12.6
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: P415902

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.0	3.0	2.2	2.2	1.5	1.5	0.7	0.7	1.5	1.5	1.5
5°	3.0	3.0	2.2	2.2	2.2	2.2	3.0	5.2	5.9	6.7	5.9
7.5°	3.0	3.0	3.0	3.0	3.7	7.4	34.9	107.0	113.7	115.9	118.9
10°	6.7	5.9	5.9	6.7	23.0	112.2	135.2	142.6	146.4	148.6	147.8
12.5°	103.3	102.5	37.9	23.0	107.7	141.9	145.6	150.1	157.5	164.9	162.0
15°	218.4	217.7	200.6	208.0	209.5	154.5	157.5	257.8	274.9	286.0	289.7
17.5°	237.7	240.0	233.3	287.5	294.2	234.0	262.2	287.5	293.4	297.2	297.9
20°	441.3	396.7	339.5	321.7	313.5	386.3	292.7	295.7	381.9	409.3	412.3
22.5°	485.1	481.4	450.2	463.6	391.5	402.7	378.9	399.7	438.3	446.5	446.5
25°	626.3	619.6	514.1	482.9	497.0	413.8	478.4	435.3	449.5	464.3	465.8
27.5°	769.6	761.5	686.4	543.1	492.5	522.3	485.9	525.2	568.3	589.1	589.9
30°	836.5	825.4	716.2	612.2	512.6	511.1	510.4	581.0	577.2	590.6	594.3
32.5°	1111.4	1093.6	915.3	601.8	531.9	485.9	541.6	565.3	650.0	691.6	696.1
35°	1178.2	1156.0	919.7	665.6	502.2	500.7	502.2	580.2	626.3	656.0	662.7
37.5°	1254.8	1224.3	909.3	624.0	514.1	466.5	477.7	523.7	624.0	690.9	696.1
40°	1349.9	1303.1	906.3	582.4	479.2	441.3	439.1	500.7	545.3	586.2	589.9
42.5°	1481.4	1406.3	901.9	539.3	438.3	410.8	414.5	441.3	476.9	473.2	479.2
45°	1655.9	1534.8	894.5	501.5	396.7	372.9	370.7	390.0	406.4	382.6	375.9
47.5°	1874.3	1693.8	906.3	465.1	358.1	335.8	336.5	344.7	347.7	321.7	315.7
50°	2122.5	1873.6	919.0	424.9	326.9	309.8	306.1	309.0	304.6	279.3	277.1
52.5°	2418.2	2084.6	925.7	387.1	301.6	288.2	283.8	281.6	274.9	257.8	255.6
55°	2760.6	2337.9	939.8	356.6	280.8	268.2	266.0	263.0	260.8	251.1	249.6
57.5°	3111.3	2617.3	931.6	325.4	260.8	249.6	254.1	259.3	265.2	261.5	260.8
60°	3433.0	2840.1	830.6	297.9	241.4	238.5	257.8	282.3	286.8	290.5	289.7
62.5°	3673.7	2952.3	659.0	274.1	228.1	239.2	286.0	320.2	315.7	306.1	303.8
65°	3758.4	2921.1	507.4	256.3	221.4	259.3	315.7	333.6	308.3	290.5	286.8
67.5°	3701.9	2767.3	393.0	241.4	217.7	276.4	326.1	320.9	292.0	278.6	273.4
70°	3412.9	2447.1	312.0	228.8	214.0	266.0	320.9	306.1	278.6	266.7	258.5
72.5°	2792.6	1935.3	267.4	214.7	198.4	244.4	304.6	286.0	266.7	251.1	243.7
75°	1806.0	1190.1	232.5	198.4	177.6	221.4	283.8	266.7	250.4	234.8	227.3
77.5°	869.2	540.8	203.6	178.3	158.2	204.3	266.7	246.6	230.3	214.7	205.8
80°	366.3	255.6	173.8	158.2	144.1	191.7	248.1	225.1	206.5	195.4	185.7
82.5°	178.3	141.2	132.2	128.5	125.6	174.6	228.1	199.8	180.5	170.1	148.6
85°	60.2	60.9	81.7	79.5	88.4	139.7	186.5	151.6	135.2	117.4	109.9
87.5°	5.9	8.2	11.1	14.1	29.0	38.6	63.9	52.0	40.9	15.6	10.4
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)