

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: P416994

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416994  
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-PA1-80-830-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7327 lumens  
Efficiency: N/A  
Efficacy: 88.3 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): 83  
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

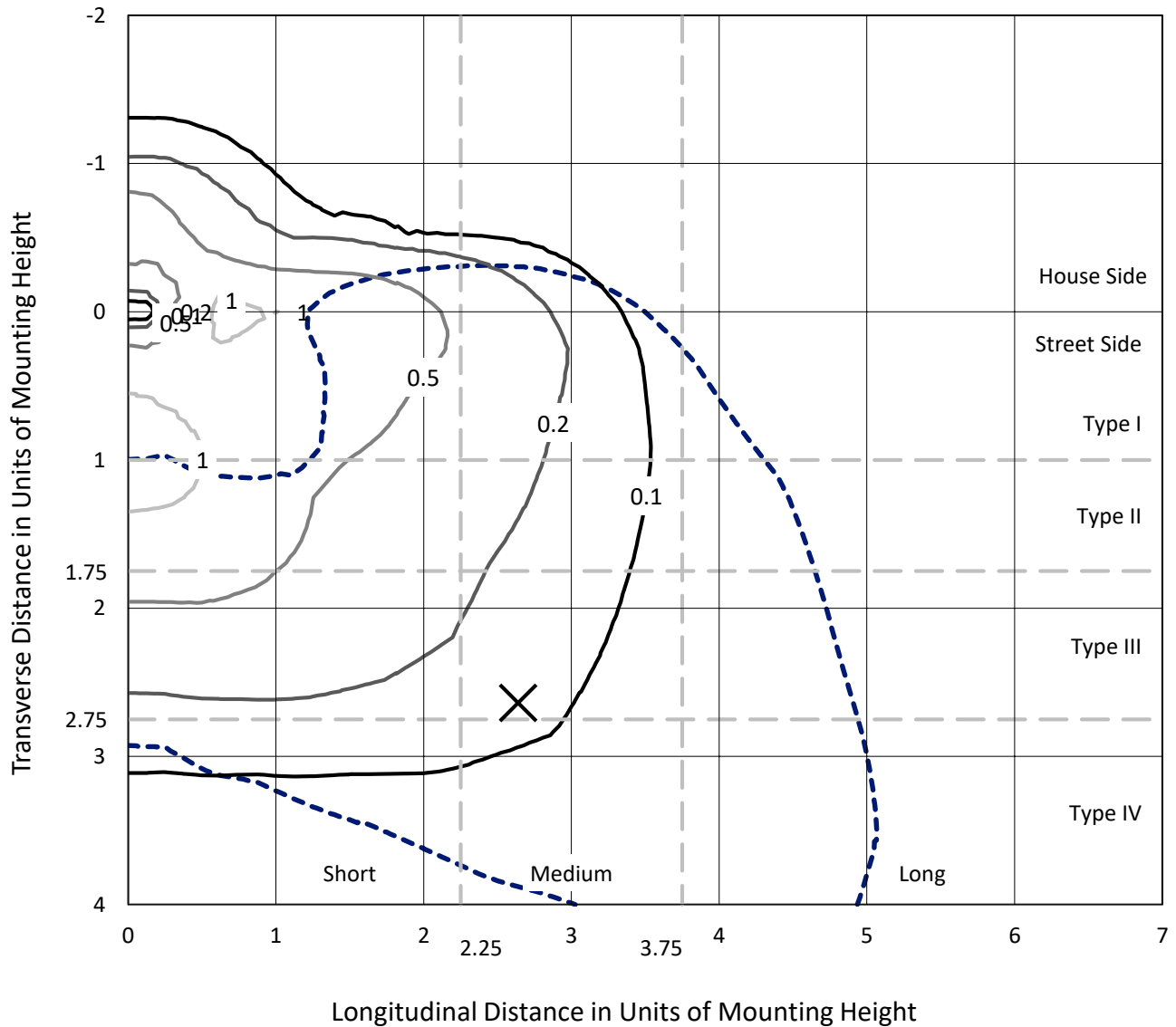


REPORT NUMBER: P416994

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

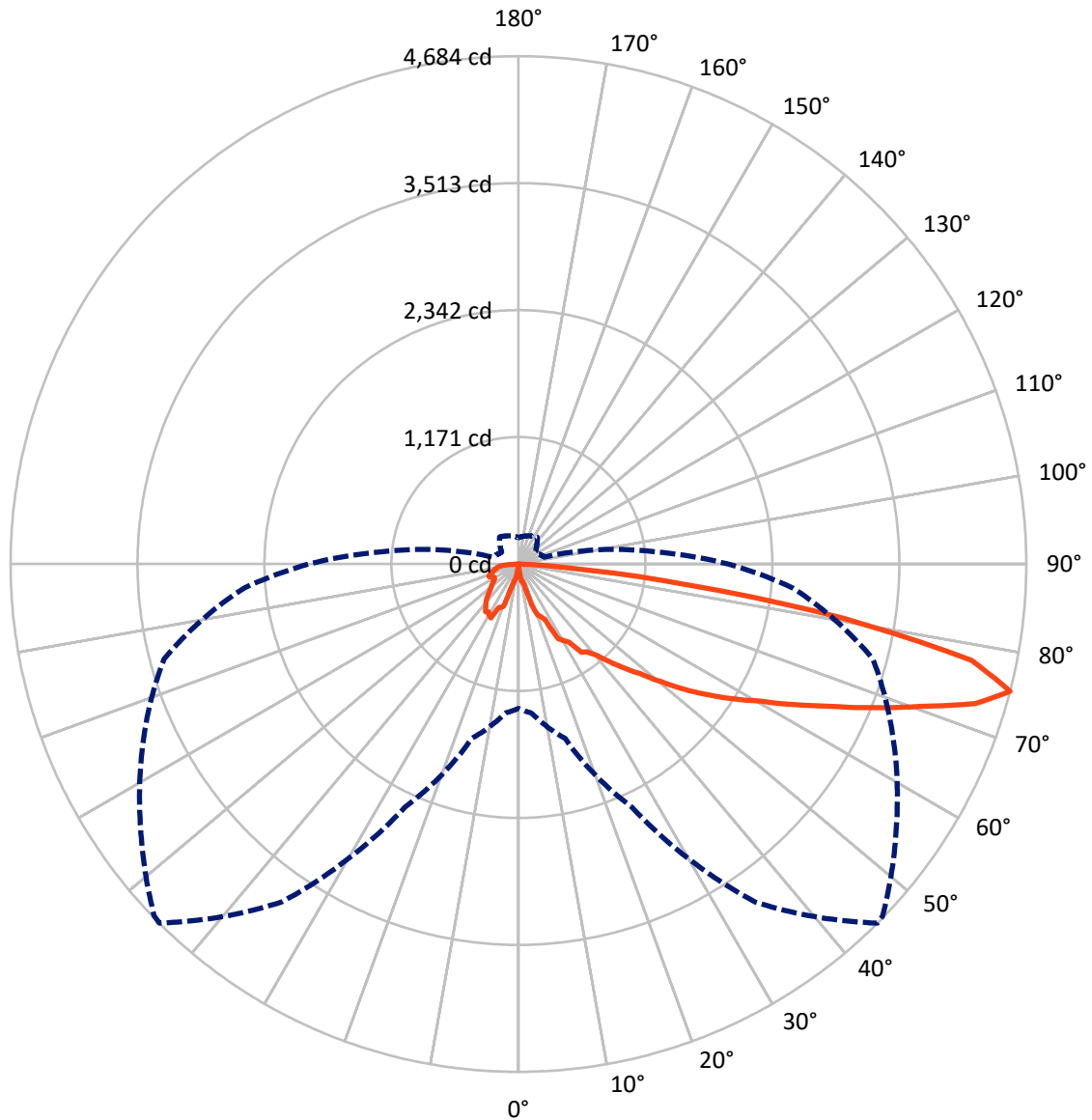


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416994

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P416994

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W

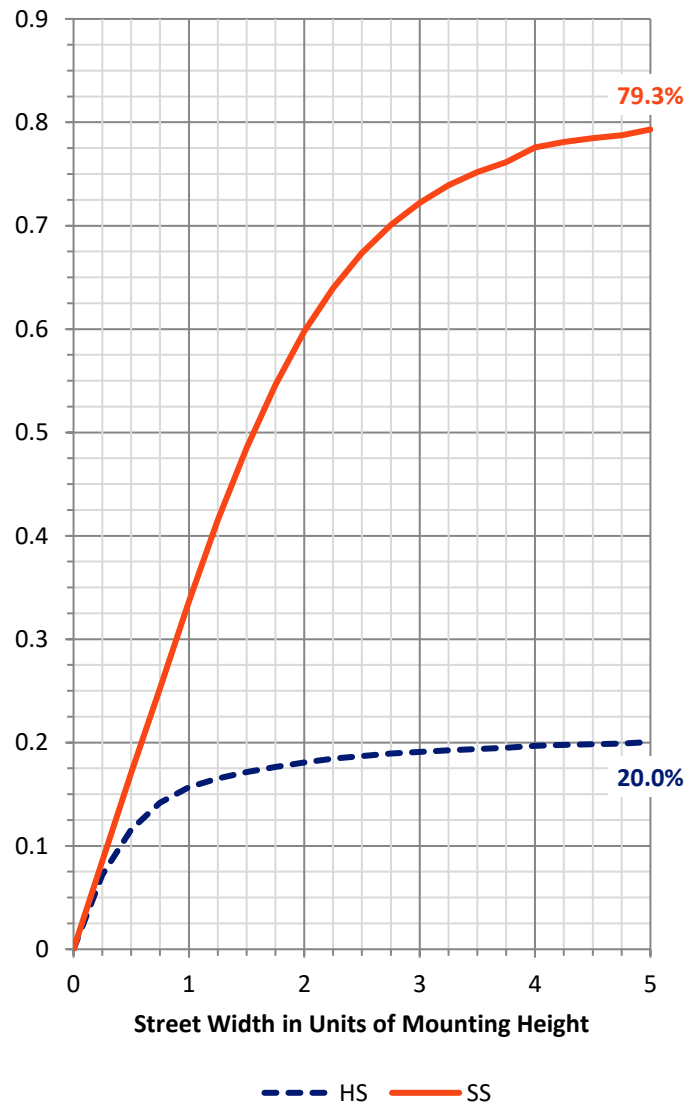
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1502.8	0.0	1502.8
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	5824.2	0.0	5824.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	7327.0	0.0	7327.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	75.7	1.0
20°-30°	281.5	3.8
30°-40°	580.0	7.9
40°-50°	919.7	12.6
50°-60°	1453.9	19.8
60°-70°	2042.7	27.9
70°-80°	1700.5	23.2
80°-90°	268.1	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°	7327.0	100.0
0°-180°	7327.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P416994

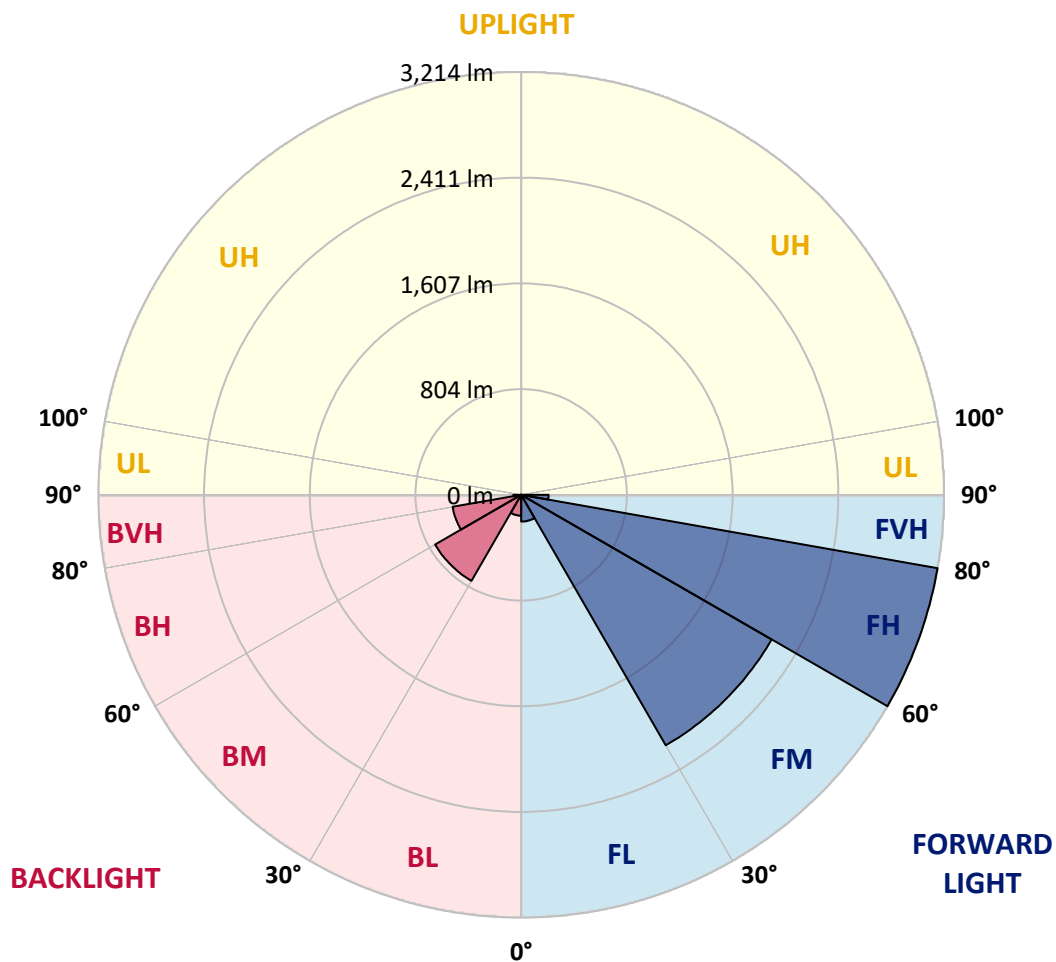
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.4	2.8			
FM	(30°-60°)	2198.4	30.0			
FH	(60°-80°)	3214.1	43.9			G2/5000
FVH	(80°-90°)	208.2	2.8			G2/225
BL	(0°-30°)	158.6	2.2	B1/500		
BM	(30°-60°)	755.3	10.3	B1/1000		
BH	(60°-80°)	529.0	7.2	B2/1000		G2/1000
BVH	(80°-90°)	59.9	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: P416994

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	4.0	4.0	4.0	4.0	4.0	3.2	3.2	2.4	3.2	3.2	3.2
5°	56.4	53.2	42.1	37.3	31.0	12.7	10.3	4.8	4.0	4.0	3.2
7.5°	167.7	166.1	163.7	158.1	151.0	94.6	81.8	29.4	5.6	4.0	3.2
10°	185.2	182.0	178.0	172.4	166.1	158.1	157.3	144.6	26.2	8.7	7.2
12.5°	363.9	357.6	298.8	216.1	178.8	169.3	169.3	163.7	118.4	41.3	96.9
15°	391.0	387.8	376.7	362.4	340.9	196.3	192.3	255.9	315.5	220.9	234.4
17.5°	439.4	432.3	398.1	380.6	364.7	395.7	393.3	366.3	345.7	244.7	263.0
20°	612.7	608.7	594.4	425.9	392.6	500.6	502.2	415.6	375.9	433.1	429.9
22.5°	627.0	626.2	615.8	590.4	622.2	525.3	526.0	552.3	549.1	574.5	521.3
25°	820.1	817.7	663.5	608.7	679.4	565.8	591.2	685.0	611.9	623.0	650.8
27.5°	841.5	839.9	831.2	793.0	703.3	779.5	779.5	708.0	779.5	816.1	820.9
30°	956.7	926.5	865.4	847.1	819.3	818.5	820.9	820.1	901.9	854.2	901.9
32.5°	1125.2	1118.8	1096.6	918.6	910.7	858.2	885.2	947.2	941.6	1086.3	1148.2
35°	1368.4	1281.7	1203.1	1060.0	945.6	999.7	1003.6	982.2	1096.6	1142.7	1230.1
37.5°	1707.7	1683.8	1572.6	1193.5	1053.7	1027.5	1029.8	1099.8	1165.7	1216.6	1314.3
40°	1954.8	1942.1	1865.0	1461.3	1155.4	1103.0	1108.5	1153.8	1215.0	1305.6	1407.3
42.5°	2191.6	2191.6	2146.3	1690.2	1373.9	1231.7	1227.7	1237.2	1281.0	1376.3	1544.8
45°	2345.8	2337.0	2375.2	1905.5	1536.8	1370.0	1354.9	1352.5	1368.4	1481.2	1729.1
47.5°	2500.7	2476.9	2513.4	2123.3	1749.8	1513.0	1514.6	1485.2	1506.6	1679.9	1981.0
50°	2664.4	2669.2	2664.4	2306.8	1958.8	1707.7	1694.2	1656.8	1699.7	1912.7	2263.1
52.5°	2898.0	2881.4	2834.5	2540.5	2225.8	1923.8	1902.4	1848.3	1949.2	2186.8	2615.9
55°	3068.1	3052.2	3039.5	2790.8	2430.8	2132.8	2120.1	2060.5	2249.6	2463.4	2979.9
57.5°	3253.2	3234.2	3270.7	3132.5	2752.6	2351.3	2334.6	2298.1	2557.9	2778.8	3350.2
60°	3378.0	3378.8	3478.9	3378.8	3021.2	2569.9	2554.0	2581.0	2840.0	3068.1	3749.9
62.5°	3378.0	3404.2	3624.3	3648.2	3308.9	2855.1	2827.3	2842.4	3146.8	3371.6	4078.1
65°	3057.8	3090.3	3603.7	3726.0	3597.3	3163.4	3149.9	3140.4	3436.8	3611.6	4335.5
67.5°	2731.2	2771.7	3290.6	3730.0	3833.3	3537.7	3488.5	3408.2	3687.1	3790.4	4473.8
70°	2504.7	2538.1	2950.5	3602.1	3985.9	3930.3	3897.7	3686.3	3854.8	3904.0	4318.1
72.5°	2136.8	2140.0	2507.1	3331.9	4088.4	4404.7	4328.4	3994.6	3949.3	3830.1	3661.7
75°	1331.8	1380.3	1666.4	2472.9	3805.5	4684.4	4670.1	4253.7	3814.3	3384.4	2538.9
77.5°	495.9	524.5	696.9	1269.8	2723.2	4272.8	4285.5	3972.4	3226.2	2452.2	1363.6
80°	161.3	173.2	230.4	409.2	1209.4	3041.1	3140.4	2817.8	1978.6	1246.0	574.5
82.5°	89.8	86.6	133.5	212.2	516.5	1575.8	1640.9	1354.9	932.9	521.3	214.6
85°	41.3	42.9	63.6	115.2	275.7	439.4	474.4	463.3	353.6	214.6	78.7
87.5°	8.7	10.3	14.3	27.0	42.9	37.3	27.0	47.7	69.1	50.9	13.5
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: P416994

CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.2	3.2	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
5°	3.2	3.2	2.4	2.4	2.4	2.4	3.2	5.6	6.4	7.2	6.4
7.5°	3.2	3.2	3.2	3.2	4.0	7.9	37.3	114.4	121.6	124.0	127.1
10°	7.2	6.4	6.4	7.2	24.6	120.0	144.6	152.6	156.5	158.9	158.1
12.5°	110.5	109.7	40.5	24.6	115.2	151.8	155.7	160.5	168.5	176.4	173.2
15°	233.6	232.8	214.6	222.5	224.1	165.3	168.5	275.7	294.0	305.9	309.9
17.5°	254.3	256.7	249.5	307.5	314.7	250.3	280.5	307.5	313.9	317.9	318.6
20°	472.0	424.3	363.1	344.1	335.3	413.2	313.1	316.3	408.4	437.8	441.0
22.5°	518.9	514.9	481.5	495.9	418.8	430.7	405.3	427.5	468.8	477.6	477.6
25°	669.9	662.7	549.9	516.5	531.6	442.6	511.7	465.7	480.8	496.6	498.2
27.5°	823.2	814.5	734.2	580.9	526.8	558.6	519.7	561.8	607.9	630.1	630.9
30°	894.8	882.8	766.0	654.8	548.3	546.7	545.9	621.4	617.4	631.7	635.7
32.5°	1188.8	1169.7	979.0	643.7	569.0	519.7	579.3	604.7	695.3	739.8	744.6
35°	1260.3	1236.5	983.8	712.0	537.2	535.6	537.2	620.6	669.9	701.7	708.8
37.5°	1342.1	1309.6	972.6	667.5	549.9	499.0	511.0	560.2	667.5	739.0	744.6
40°	1443.9	1393.8	969.5	623.0	512.5	472.0	469.6	535.6	583.3	627.0	630.9
42.5°	1584.5	1504.2	964.7	576.9	468.8	439.4	443.4	472.0	510.2	506.2	512.5
45°	1771.2	1641.7	956.7	536.4	424.3	398.9	396.5	417.2	434.7	409.2	402.1
47.5°	2004.9	1811.8	969.5	497.4	383.0	359.2	360.0	368.7	371.9	344.1	337.7
50°	2270.3	2004.1	983.0	454.5	349.6	331.4	327.4	330.6	325.8	298.8	296.4
52.5°	2586.5	2229.7	990.1	414.0	322.6	308.3	303.6	301.2	294.0	275.7	273.4
55°	2952.9	2500.7	1005.2	381.4	300.4	286.9	284.5	281.3	278.9	268.6	267.0
57.5°	3327.9	2799.5	996.5	348.1	278.9	267.0	271.8	277.3	283.7	279.7	278.9
60°	3672.0	3037.9	888.4	318.6	258.3	255.1	275.7	302.0	306.7	310.7	309.9
62.5°	3929.5	3157.9	704.8	293.2	244.0	255.9	305.9	342.5	337.7	327.4	325.0
65°	4020.1	3124.5	542.7	274.1	236.8	277.3	337.7	356.8	329.8	310.7	306.7
67.5°	3959.7	2960.0	420.4	258.3	232.8	295.6	348.8	343.3	312.3	298.0	292.4
70°	3650.6	2617.5	333.7	244.7	228.9	284.5	343.3	327.4	298.0	285.3	276.5
72.5°	2987.0	2070.0	286.1	229.6	212.2	261.4	325.8	305.9	285.3	268.6	260.6
75°	1931.8	1273.0	248.7	212.2	189.9	236.8	303.6	285.3	267.8	251.1	243.2
77.5°	929.7	578.5	217.7	190.7	169.3	218.5	285.3	263.8	246.3	229.6	220.1
80°	391.8	273.4	185.9	169.3	154.2	205.0	265.4	240.8	220.9	209.0	198.7
82.5°	190.7	151.0	141.4	137.5	134.3	186.7	244.0	213.8	193.1	182.0	158.9
85°	64.4	65.2	87.4	85.0	94.6	149.4	199.5	162.1	144.6	125.6	117.6
87.5°	6.4	8.7	11.9	15.1	31.0	41.3	68.3	55.6	43.7	16.7	11.1
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)