

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: P417358

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417358  
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-PA1-90-827-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7308 lumens  
Efficiency: N/A  
Efficacy: 77.7 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): 94  
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

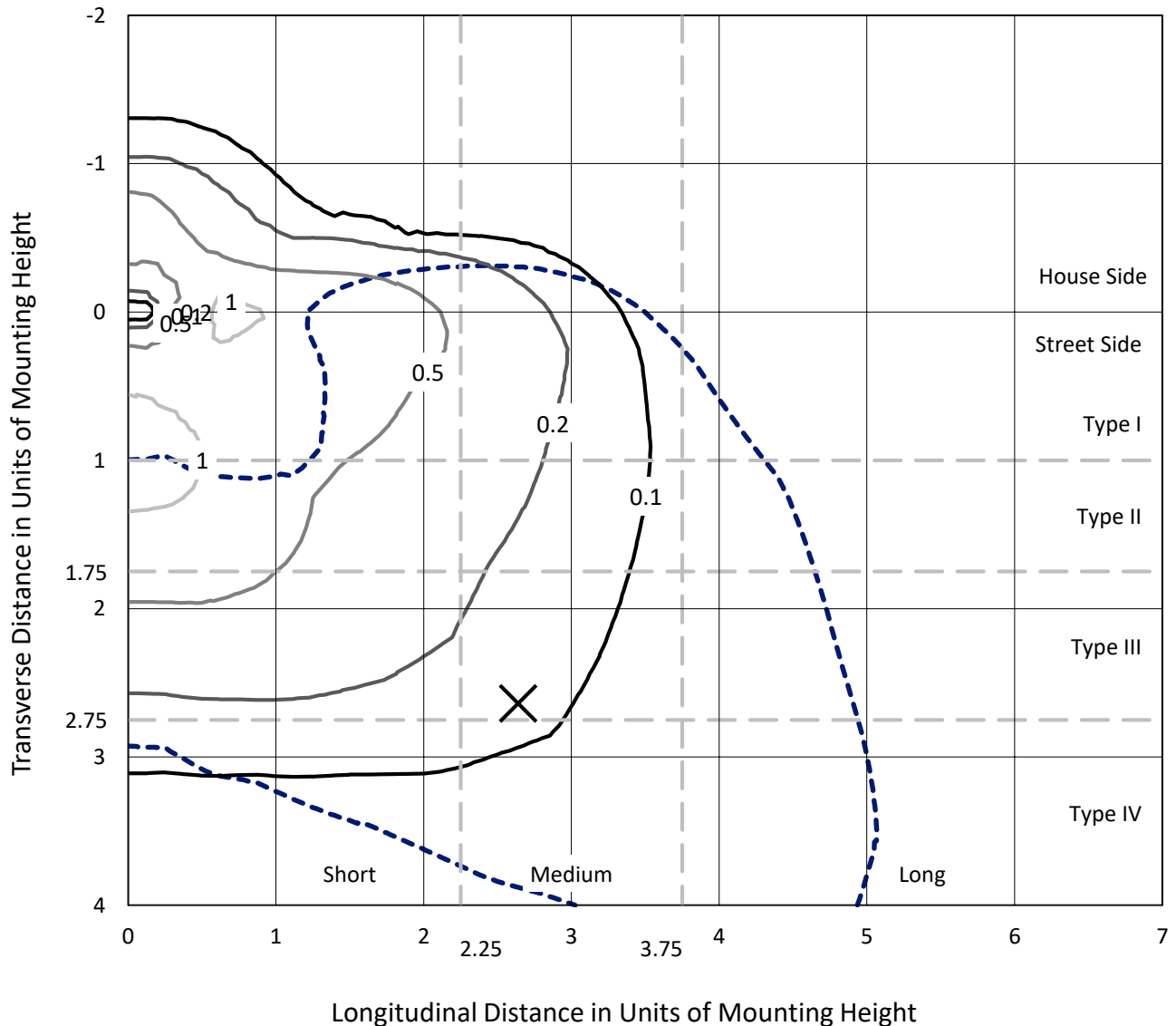


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### Iso-Footcandle Lines of Horizontal Illumination

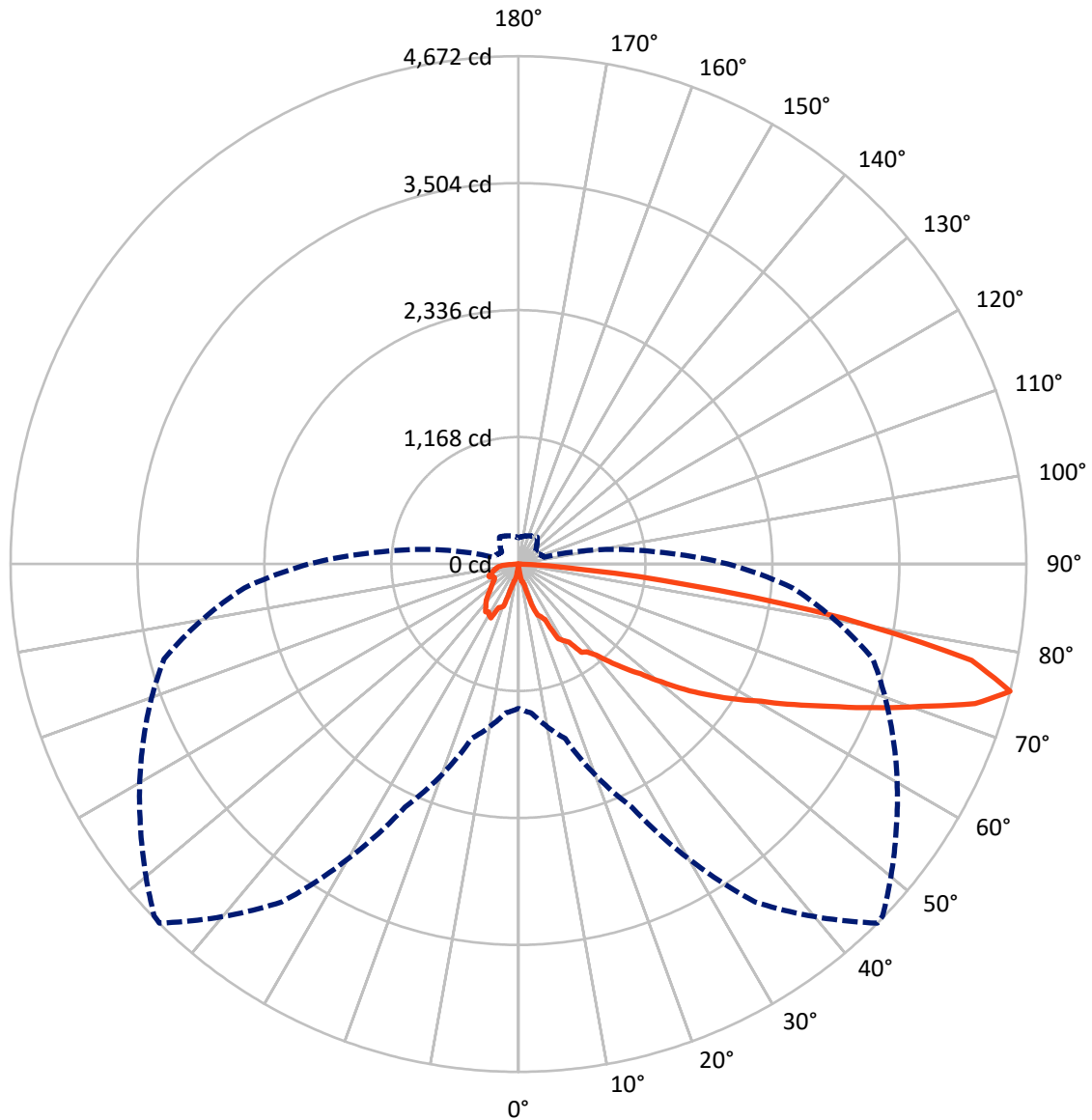
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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



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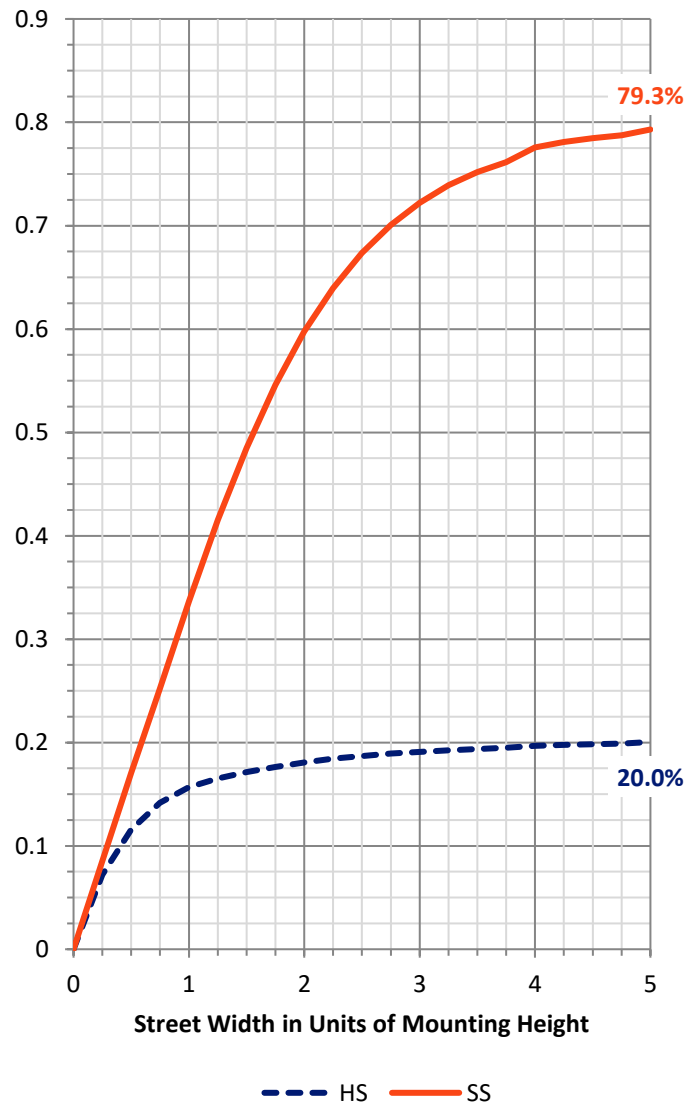
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1498.9	0.0	1498.9
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	5809.1	0.0	5809.1
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	7308.0	0.0	7308.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	75.5	1.0
20°-30°	280.8	3.8
30°-40°	578.5	7.9
40°-50°	917.3	12.6
50°-60°	1450.2	19.8
60°-70°	2037.4	27.9
70°-80°	1696.1	23.2
80°-90°	267.4	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°	7308.0	100.0
0°-180°	7308.0	100.0



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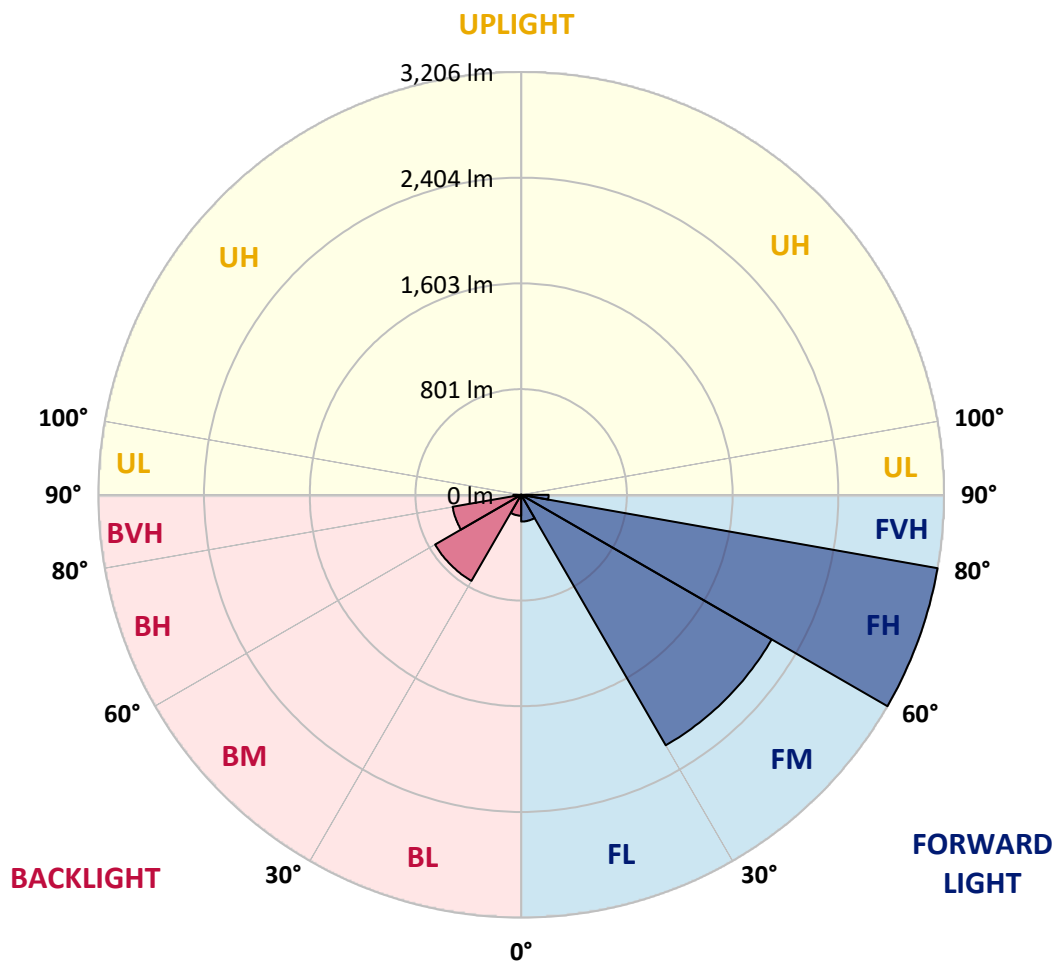
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.9	2.8			
FM	(30°-60°)	2192.7	30.0			
FH	(60°-80°)	3205.8	43.9			G2/5000
FVH	(80°-90°)	207.7	2.8			G2/225
BL	(0°-30°)	158.1	2.2	B1/500		
BM	(30°-60°)	753.3	10.3	B1/1000		
BH	(60°-80°)	527.7	7.2	B2/1000		G2/1000
BVH	(80°-90°)	59.8	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





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**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°	56.3	53.1	42.0	37.3	30.9	12.7	10.3	4.8	4.0	4.0	3.2
7.5°	167.2	165.6	163.3	157.7	150.6	94.3	81.6	29.3	5.5	4.0	3.2
10°	184.7	181.5	177.5	172.0	165.6	157.7	156.9	144.2	26.2	8.7	7.1
12.5°	363.0	356.7	298.0	215.6	178.3	168.8	168.8	163.3	118.1	41.2	96.7
15°	389.9	386.8	375.7	361.4	340.0	195.8	191.8	255.2	314.7	220.3	233.8
17.5°	438.3	431.2	397.1	379.6	363.8	394.7	392.3	365.4	344.8	244.1	262.3
20°	611.1	607.1	592.8	424.8	391.5	499.3	500.9	414.5	374.9	432.0	428.8
22.5°	625.3	624.5	614.2	588.9	620.6	523.9	524.7	550.8	547.7	573.0	519.9
25°	817.9	815.6	661.8	607.1	677.7	564.3	589.7	683.2	610.3	621.4	649.1
27.5°	839.3	837.8	829.0	791.0	701.4	777.5	777.5	706.2	777.5	814.0	818.7
30°	954.3	924.1	863.1	844.9	817.1	816.4	818.7	817.9	899.6	852.0	899.6
32.5°	1122.3	1115.9	1093.8	916.2	908.3	856.0	882.9	944.8	939.2	1083.5	1145.3
35°	1364.8	1278.4	1200.0	1057.3	943.2	997.1	1001.0	979.6	1093.8	1139.7	1226.9
37.5°	1703.2	1679.5	1568.5	1190.4	1051.0	1024.8	1027.2	1096.9	1162.7	1213.4	1310.9
40°	1949.7	1937.1	1860.2	1457.5	1152.4	1100.1	1105.6	1150.8	1211.8	1302.2	1403.7
42.5°	2185.9	2185.9	2140.7	1685.8	1370.4	1228.5	1224.5	1234.0	1277.6	1372.7	1540.8
45°	2339.7	2331.0	2369.0	1900.6	1532.8	1366.4	1351.3	1349.0	1364.8	1477.4	1724.6
47.5°	2494.2	2470.5	2506.9	2117.8	1745.3	1509.1	1510.6	1481.3	1502.7	1675.5	1975.9
50°	2657.5	2662.3	2657.5	2300.8	1953.7	1703.2	1689.8	1652.5	1695.3	1907.7	2257.3
52.5°	2890.5	2873.9	2827.1	2533.9	2220.0	1918.8	1897.4	1843.5	1944.2	2181.2	2609.2
55°	3060.1	3044.3	3031.6	2783.5	2424.5	2127.3	2114.6	2055.1	2243.8	2457.0	2972.2
57.5°	3244.8	3225.8	3262.2	3124.3	2745.5	2345.2	2328.6	2292.1	2551.3	2771.6	3341.5
60°	3369.2	3370.0	3469.9	3370.0	3013.4	2563.2	2547.3	2574.3	2832.7	3060.1	3740.2
62.5°	3369.2	3395.4	3614.9	3638.7	3300.3	2847.7	2820.0	2835.0	3138.6	3362.9	4067.5
65°	3049.8	3082.3	3594.3	3716.4	3588.0	3155.2	3141.8	3132.3	3427.9	3602.3	4324.3
67.5°	2724.1	2764.5	3282.1	3720.3	3823.4	3528.5	3479.4	3399.4	3677.6	3780.6	4462.2
70°	2498.2	2531.5	2942.8	3592.7	3975.6	3920.1	3887.6	3676.8	3844.8	3893.9	4306.9
72.5°	2131.2	2134.4	2500.6	3323.3	4077.8	4393.2	4317.2	3984.3	3939.1	3820.2	3652.2
75°	1328.4	1376.7	1662.0	2466.5	3795.6	4672.2	4658.0	4242.7	3804.4	3375.6	2532.3
77.5°	494.6	523.1	695.1	1266.5	2716.2	4261.7	4274.4	3962.1	3217.9	2445.9	1360.1
80°	160.9	172.8	229.8	408.2	1206.3	3033.2	3132.3	2810.5	1973.5	1242.8	573.0
82.5°	89.6	86.4	133.2	211.6	515.2	1571.7	1636.7	1351.3	930.5	519.9	214.0
85°	41.2	42.8	63.4	114.9	275.0	438.3	473.2	462.1	352.7	214.0	78.5
87.5°	8.7	10.3	14.3	26.9	42.8	37.3	26.9	47.6	69.0	50.7	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



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**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	5.5	6.3	7.1	6.3
7.5°	3.2	3.2	3.2	3.2	4.0	7.9	37.3	114.1	121.3	123.6	126.8
10°	7.1	6.3	6.3	7.1	24.6	119.7	144.2	152.2	156.1	158.5	157.7
12.5°	110.2	109.4	40.4	24.6	114.9	151.4	155.3	160.1	168.0	176.0	172.8
15°	233.0	232.2	214.0	221.9	223.5	164.9	168.0	275.0	293.3	305.1	309.1
17.5°	253.6	256.0	248.9	306.7	313.9	249.7	279.8	306.7	313.1	317.0	317.8
20°	470.8	423.2	362.2	343.2	334.5	412.1	312.3	315.4	407.4	436.7	439.9
22.5°	517.6	513.6	480.3	494.6	417.7	429.6	404.2	426.4	467.6	476.3	476.3
25°	668.1	661.0	548.5	515.2	530.2	441.5	510.4	464.4	479.5	495.4	496.9
27.5°	821.1	812.4	732.3	579.4	525.5	557.2	518.3	560.4	606.3	628.5	629.3
30°	892.4	880.6	764.0	653.1	546.9	545.3	544.5	619.8	615.8	630.1	634.1
32.5°	1185.7	1166.7	976.5	642.0	567.5	518.3	577.8	603.1	693.5	737.9	742.6
35°	1257.0	1233.2	981.2	710.1	535.8	534.2	535.8	619.0	668.1	699.8	707.0
37.5°	1338.7	1306.2	970.1	665.8	548.5	497.7	509.6	558.8	665.8	737.1	742.6
40°	1440.1	1390.2	966.9	621.4	511.2	470.8	468.4	534.2	581.8	625.3	629.3
42.5°	1580.4	1500.3	962.2	575.4	467.6	438.3	442.3	470.8	508.8	504.9	511.2
45°	1766.7	1637.5	954.3	535.0	423.2	397.9	395.5	416.1	433.5	408.2	401.0
47.5°	1999.7	1807.1	966.9	496.2	382.0	358.2	359.0	367.8	370.9	343.2	336.8
50°	2264.4	1998.9	980.4	453.4	348.7	330.5	326.5	329.7	325.0	298.0	295.6
52.5°	2579.8	2224.0	987.5	412.9	321.8	307.5	302.8	300.4	293.3	275.0	272.6
55°	2945.2	2494.2	1002.6	380.4	299.6	286.1	283.7	280.6	278.2	267.9	266.3
57.5°	3319.3	2792.2	993.9	347.1	278.2	266.3	271.1	276.6	282.9	279.0	278.2
60°	3662.5	3030.0	886.1	317.8	257.6	254.4	275.0	301.2	305.9	309.9	309.1
62.5°	3919.3	3149.7	703.0	292.5	243.3	255.2	305.1	341.6	336.8	326.5	324.2
65°	4009.6	3116.4	541.3	273.4	236.2	276.6	336.8	355.9	328.9	309.9	305.9
67.5°	3949.4	2952.3	419.3	257.6	232.2	294.8	347.9	342.4	311.5	297.2	291.7
70°	3641.1	2610.7	332.9	244.1	228.3	283.7	342.4	326.5	297.2	284.5	275.8
72.5°	2979.3	2064.7	285.3	229.1	211.6	260.8	325.0	305.1	284.5	267.9	260.0
75°	1926.8	1269.7	248.1	211.6	189.4	236.2	302.8	284.5	267.1	250.5	242.5
77.5°	927.3	577.0	217.2	190.2	168.8	218.0	284.5	263.1	245.7	229.1	219.5
80°	390.7	272.6	185.5	168.8	153.8	204.5	264.7	240.2	220.3	208.4	198.1
82.5°	190.2	150.6	141.1	137.1	133.9	186.3	243.3	213.2	192.6	181.5	158.5
85°	64.2	65.0	87.2	84.8	94.3	149.0	198.9	161.7	144.2	125.2	117.3
87.5°	6.3	8.7	11.9	15.1	30.9	41.2	68.2	55.5	43.6	16.6	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)