

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: P415850

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415850  
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-PA1-60-727-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 6291 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: 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

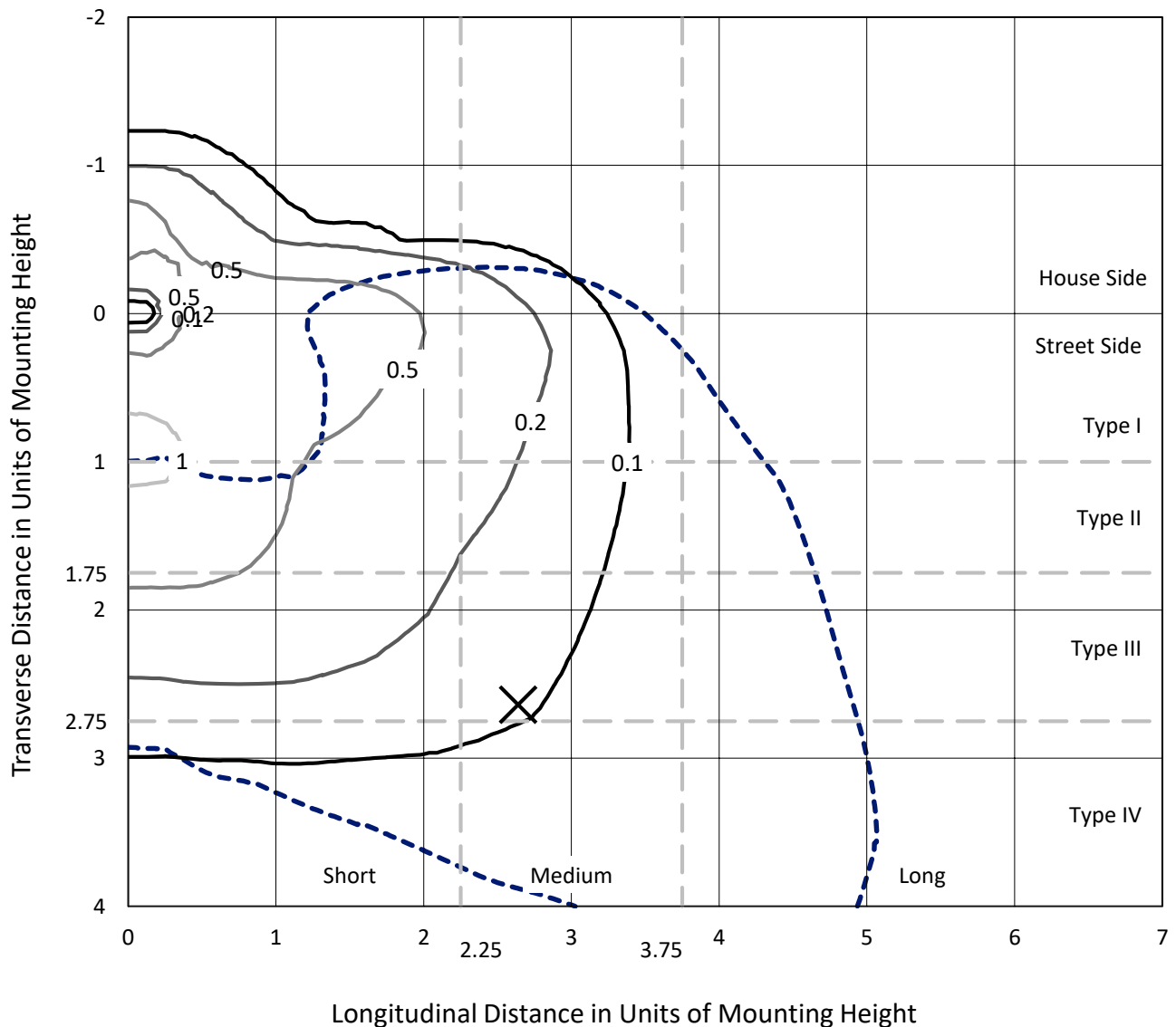


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### Iso-Footcandle Lines of Horizontal Illumination

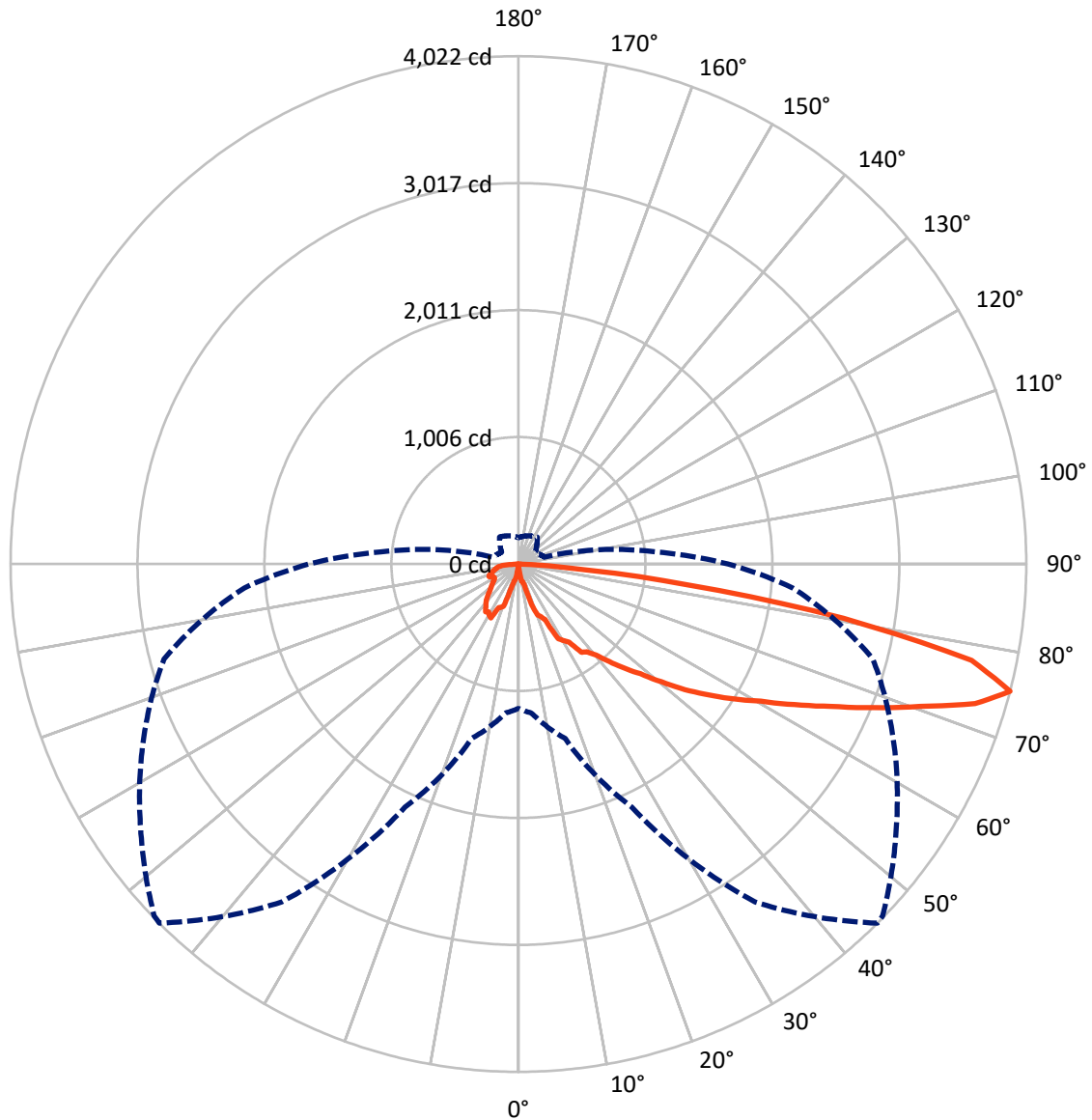
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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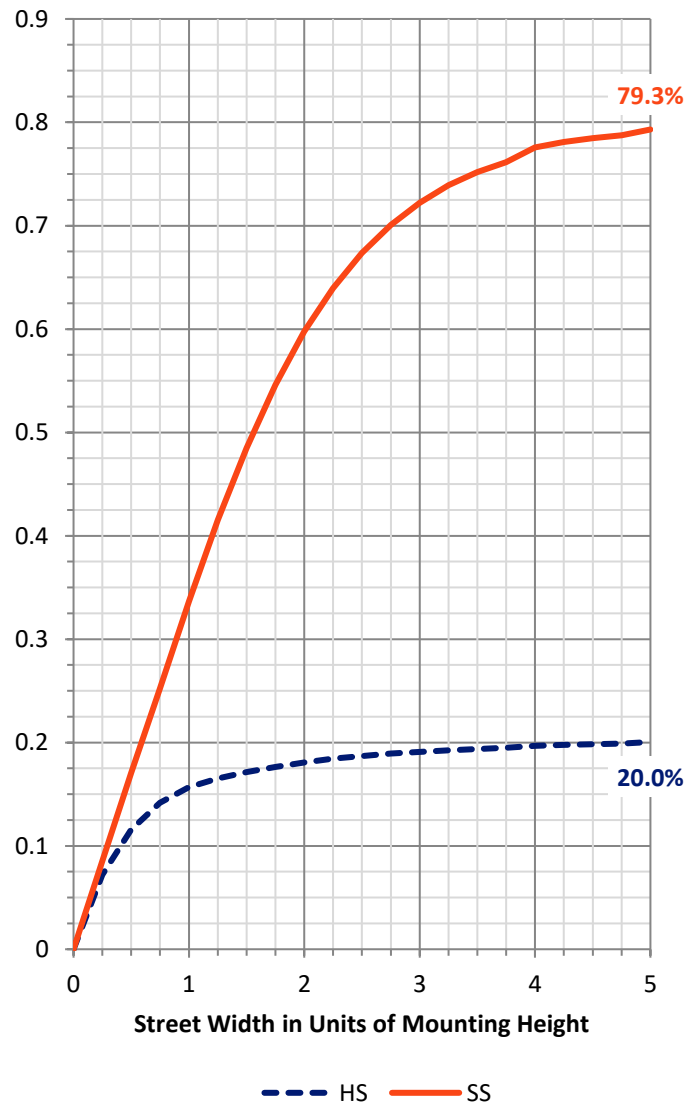
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1290.3	0.0	1290.3
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	5000.7	0.0	5000.7
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	6291.0	0.0	6291.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	65.0	1.0
20°-30°	241.7	3.8
30°-40°	498.0	7.9
40°-50°	789.7	12.6
50°-60°	1248.4	19.8
60°-70°	1753.9	27.9
70°-80°	1460.0	23.2
80°-90°	230.2	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°	6291.0	100.0
0°-180°	6291.0	100.0



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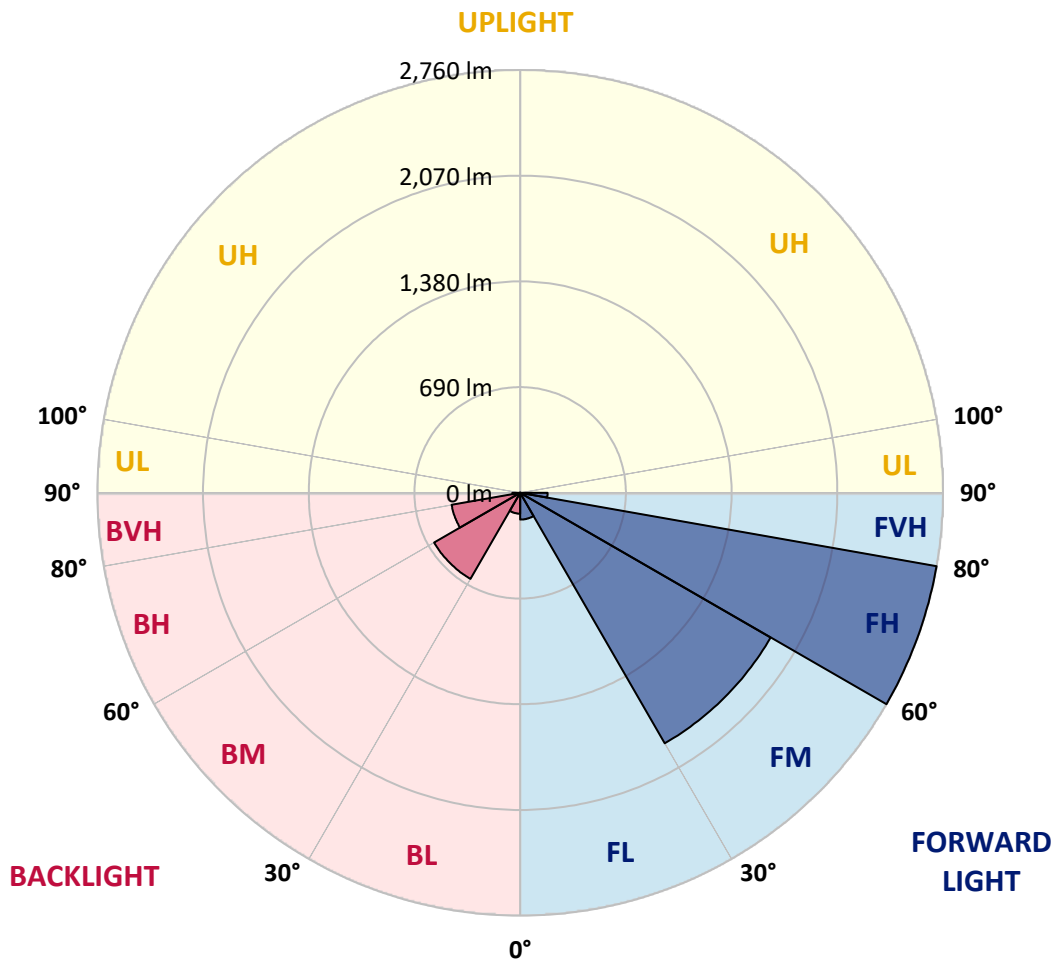
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.7	2.8			
FM	(30°-60°)	1887.6	30.0			
FH	(60°-80°)	2759.7	43.9			G2/5000
FVH	(80°-90°)	178.8	2.8			G2/225
BL	(0°-30°)	136.1	2.2	B1/500		
BM	(30°-60°)	648.5	10.3	B1/1000		
BH	(60°-80°)	454.2	7.2	B1/500		G1/500
BVH	(80°-90°)	51.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.0	2.7	2.7	2.7
5°	48.4	45.7	36.2	32.1	26.6	10.9	8.9	4.1	3.4	3.4	2.7
7.5°	144.0	142.6	140.5	135.8	129.6	81.2	70.3	25.2	4.8	3.4	2.7
10°	159.0	156.2	152.8	148.1	142.6	135.8	135.1	124.2	22.5	7.5	6.1
12.5°	312.5	307.0	256.5	185.6	153.5	145.3	145.3	140.5	101.7	35.5	83.2
15°	335.7	333.0	323.4	311.1	292.7	168.5	165.1	219.7	270.9	189.7	201.3
17.5°	377.3	371.2	341.8	326.8	313.2	339.8	337.7	314.5	296.8	210.1	225.8
20°	526.0	522.6	510.3	365.7	337.0	429.8	431.2	356.8	322.7	371.8	369.1
22.5°	538.3	537.6	528.8	506.9	534.2	451.0	451.7	474.2	471.5	493.3	447.6
25°	704.1	702.1	569.7	522.6	583.3	485.8	507.6	588.1	525.4	534.9	558.8
27.5°	722.5	721.2	713.7	680.9	603.8	669.3	669.3	607.9	669.3	700.7	704.8
30°	821.5	795.5	743.0	727.3	703.4	702.7	704.8	704.1	774.4	733.4	774.4
32.5°	966.1	960.6	941.5	788.7	781.9	736.9	760.1	813.3	808.5	932.7	985.9
35°	1174.9	1100.5	1033.0	910.2	811.9	858.3	861.7	843.3	941.5	981.1	1056.2
37.5°	1466.2	1445.7	1350.2	1024.8	904.7	882.2	884.2	944.3	1000.9	1044.6	1128.5
40°	1678.4	1667.5	1601.3	1254.7	992.0	947.0	951.8	990.7	1043.2	1121.0	1208.3
42.5°	1881.7	1881.7	1842.8	1451.2	1179.7	1057.5	1054.1	1062.3	1099.8	1181.7	1326.3
45°	2014.1	2006.6	2039.3	1636.1	1319.5	1176.2	1163.3	1161.2	1174.9	1271.8	1484.6
47.5°	2147.1	2126.7	2158.0	1823.0	1502.4	1299.1	1300.4	1275.2	1293.6	1442.3	1700.9
50°	2287.7	2291.8	2287.7	1980.7	1681.8	1466.2	1454.6	1422.6	1459.4	1642.2	1943.1
52.5°	2488.3	2473.9	2433.7	2181.2	1911.1	1651.8	1633.4	1587.0	1673.6	1877.6	2246.1
55°	2634.3	2620.6	2609.7	2396.2	2087.1	1831.2	1820.3	1769.1	1931.5	2115.1	2558.5
57.5°	2793.2	2776.9	2808.3	2689.5	2363.4	2018.9	2004.5	1973.1	2196.3	2385.9	2876.5
60°	2900.4	2901.0	2987.0	2901.0	2594.0	2206.5	2192.8	2216.0	2438.5	2634.3	3219.7
62.5°	2900.4	2922.9	3111.9	3132.3	2841.0	2451.4	2427.5	2440.5	2701.8	2894.9	3501.5
65°	2625.4	2653.4	3094.1	3199.2	3088.7	2716.2	2704.6	2696.4	2950.9	3101.0	3722.5
67.5°	2345.0	2379.8	2825.3	3202.6	3291.3	3037.5	2995.2	2926.3	3165.8	3254.5	3841.2
70°	2150.5	2179.2	2533.3	3092.8	3422.3	3374.6	3346.6	3165.1	3309.7	3352.0	3707.5
72.5°	1834.6	1837.4	2152.6	2860.8	3510.3	3781.9	3716.4	3429.8	3390.9	3288.6	3143.9
75°	1143.5	1185.1	1430.7	2123.3	3267.4	4022.0	4009.8	3652.2	3274.9	2905.8	2179.9
77.5°	425.7	450.3	598.4	1090.3	2338.2	3668.6	3679.5	3410.7	2770.1	2105.5	1170.8
80°	138.5	148.7	197.9	351.4	1038.4	2611.1	2696.4	2419.4	1698.9	1069.8	493.3
82.5°	77.1	74.4	114.6	182.2	443.5	1353.0	1408.9	1163.3	801.0	447.6	184.2
85°	35.5	36.8	54.6	98.9	236.8	377.3	407.3	397.8	303.6	184.2	67.5
87.5°	7.5	8.9	12.3	23.2	36.8	32.1	23.2	40.9	59.4	43.7	11.6
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.7	2.7	2.0	2.0	1.4	1.4	0.7	0.7	1.4	1.4	1.4
5°	2.7	2.7	2.0	2.0	2.0	2.0	2.7	4.8	5.5	6.1	5.5
7.5°	2.7	2.7	2.7	2.7	3.4	6.8	32.1	98.2	104.4	106.4	109.2
10°	6.1	5.5	5.5	6.1	21.2	103.0	124.2	131.0	134.4	136.5	135.8
12.5°	94.8	94.2	34.8	21.2	98.9	130.3	133.7	137.8	144.6	151.5	148.7
15°	200.6	199.9	184.2	191.0	192.4	141.9	144.6	236.8	252.4	262.7	266.1
17.5°	218.3	220.4	214.2	264.0	270.2	214.9	240.8	264.0	269.5	272.9	273.6
20°	405.3	364.3	311.8	295.4	287.9	354.8	268.8	271.5	350.7	375.9	378.7
22.5°	445.5	442.1	413.5	425.7	359.6	369.8	348.0	367.1	402.5	410.0	410.0
25°	575.2	569.0	472.1	443.5	456.4	380.0	439.4	399.8	412.8	426.4	427.8
27.5°	706.8	699.3	630.4	498.7	452.4	479.6	446.2	482.4	521.9	541.0	541.7
30°	768.2	758.0	657.7	562.2	470.8	469.4	468.7	533.5	530.1	542.4	545.8
32.5°	1020.7	1004.3	840.6	552.6	488.5	446.2	497.4	519.2	597.0	635.2	639.3
35°	1082.1	1061.6	844.7	611.3	461.2	459.9	461.2	532.9	575.2	602.5	608.6
37.5°	1152.4	1124.4	835.1	573.1	472.1	428.5	438.7	481.0	573.1	634.5	639.3
40°	1239.7	1196.7	832.4	534.9	440.1	405.3	403.2	459.9	500.8	538.3	541.7
42.5°	1360.5	1291.6	828.3	495.3	402.5	377.3	380.7	405.3	438.0	434.6	440.1
45°	1520.8	1409.6	821.5	460.5	364.3	342.5	340.5	358.2	373.2	351.4	345.2
47.5°	1721.4	1555.6	832.4	427.1	328.9	308.4	309.1	316.6	319.3	295.4	290.0
50°	1949.3	1720.7	844.0	390.3	300.2	284.5	281.1	283.8	279.7	256.5	254.5
52.5°	2220.8	1914.5	850.1	355.5	277.0	264.7	260.6	258.6	252.4	236.8	234.7
55°	2535.3	2147.1	863.1	327.5	257.9	246.3	244.3	241.5	239.5	230.6	229.2
57.5°	2857.4	2403.7	855.6	298.8	239.5	229.2	233.3	238.1	243.6	240.2	239.5
60°	3152.8	2608.4	762.8	273.6	221.7	219.0	236.8	259.3	263.4	266.8	266.1
62.5°	3373.9	2711.4	605.2	251.8	209.5	219.7	262.7	294.1	290.0	281.1	279.1
65°	3451.6	2682.7	466.0	235.4	203.3	238.1	290.0	306.3	283.1	266.8	263.4
67.5°	3399.8	2541.5	360.9	221.7	199.9	253.8	299.5	294.7	268.1	255.9	251.1
70°	3134.4	2247.4	286.6	210.1	196.5	244.3	294.7	281.1	255.9	244.9	237.4
72.5°	2564.7	1777.3	245.6	197.2	182.2	224.5	279.7	262.7	244.9	230.6	223.8
75°	1658.6	1093.0	213.6	182.2	163.1	203.3	260.6	244.9	229.9	215.6	208.8
77.5°	798.3	496.7	186.9	163.7	145.3	187.6	244.9	226.5	211.5	197.2	189.0
80°	336.4	234.7	159.7	145.3	132.4	176.0	227.9	206.7	189.7	179.4	170.6
82.5°	163.7	129.6	121.4	118.0	115.3	160.3	209.5	183.5	165.8	156.2	136.5
85°	55.3	55.9	75.1	73.0	81.2	128.3	171.3	139.2	124.2	107.8	101.0
87.5°	5.5	7.5	10.2	13.0	26.6	35.5	58.7	47.8	37.5	14.3	9.6
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)