

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: P415927

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-740-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7436 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - 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

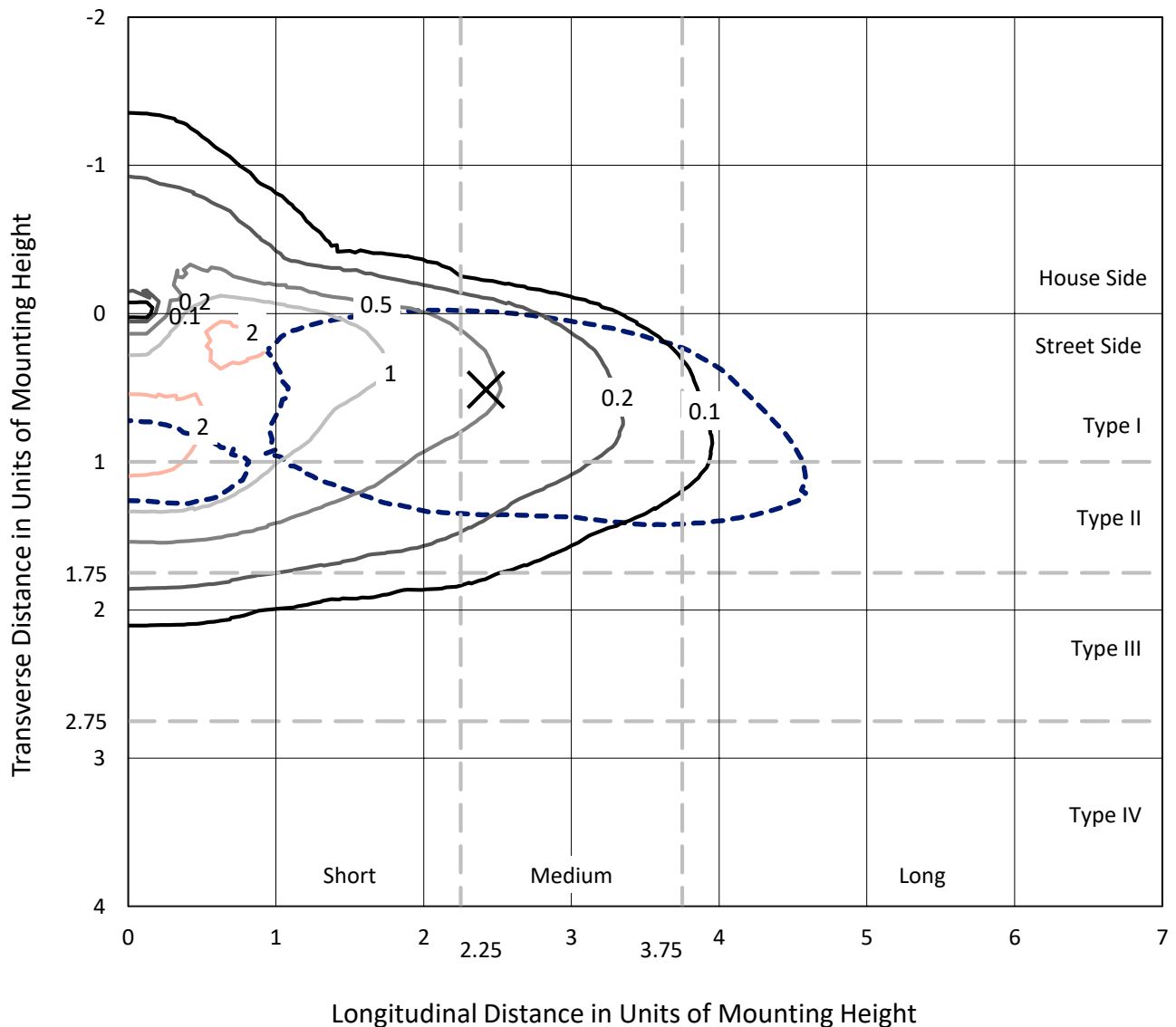


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

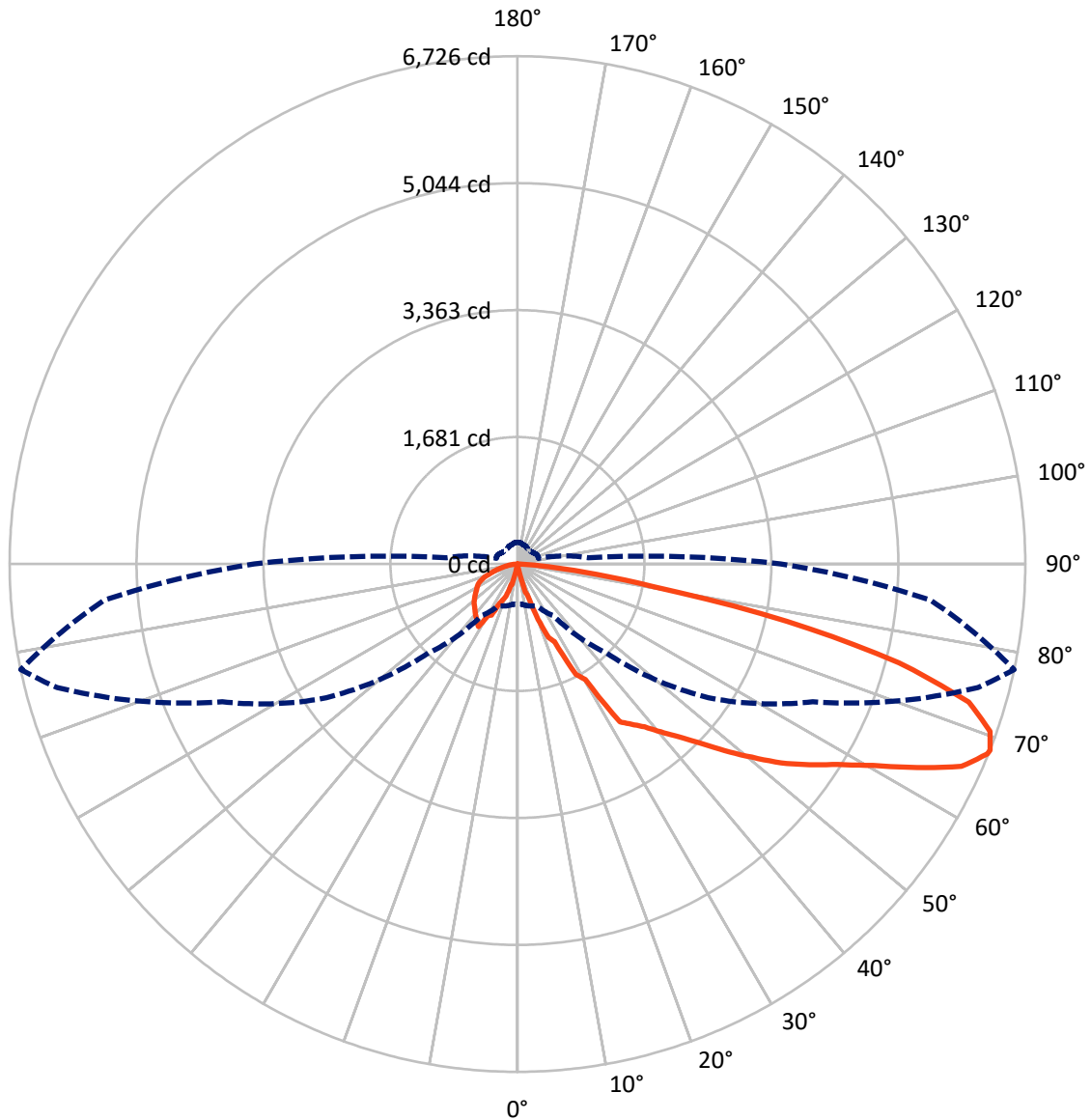


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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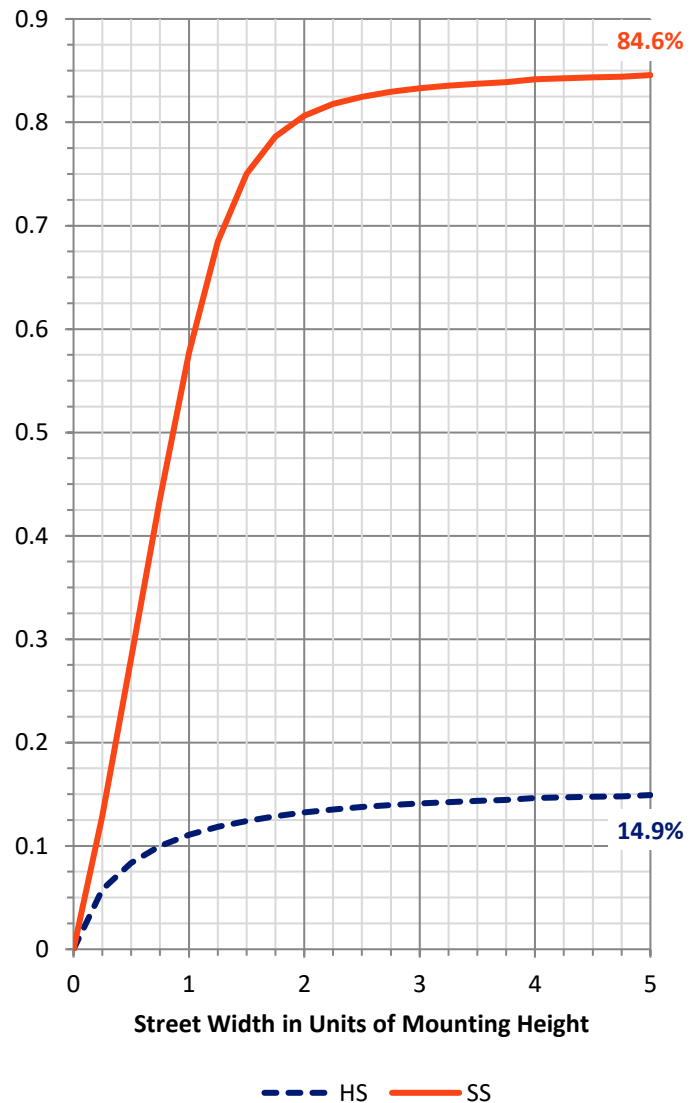
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1129.0	0.0	1129.0
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	6307.0	0.0	6307.0
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	7436.0	0.0	7436.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	107.8	1.4
20°-30°	410.3	5.5
30°-40°	958.1	12.9
40°-50°	1495.7	20.1
50°-60°	1716.9	23.1
60°-70°	1595.4	21.5
70°-80°	985.8	13.3
80°-90°	158.7	2.1
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°	7436.0	100.0
0°-180°	7436.0	100.0



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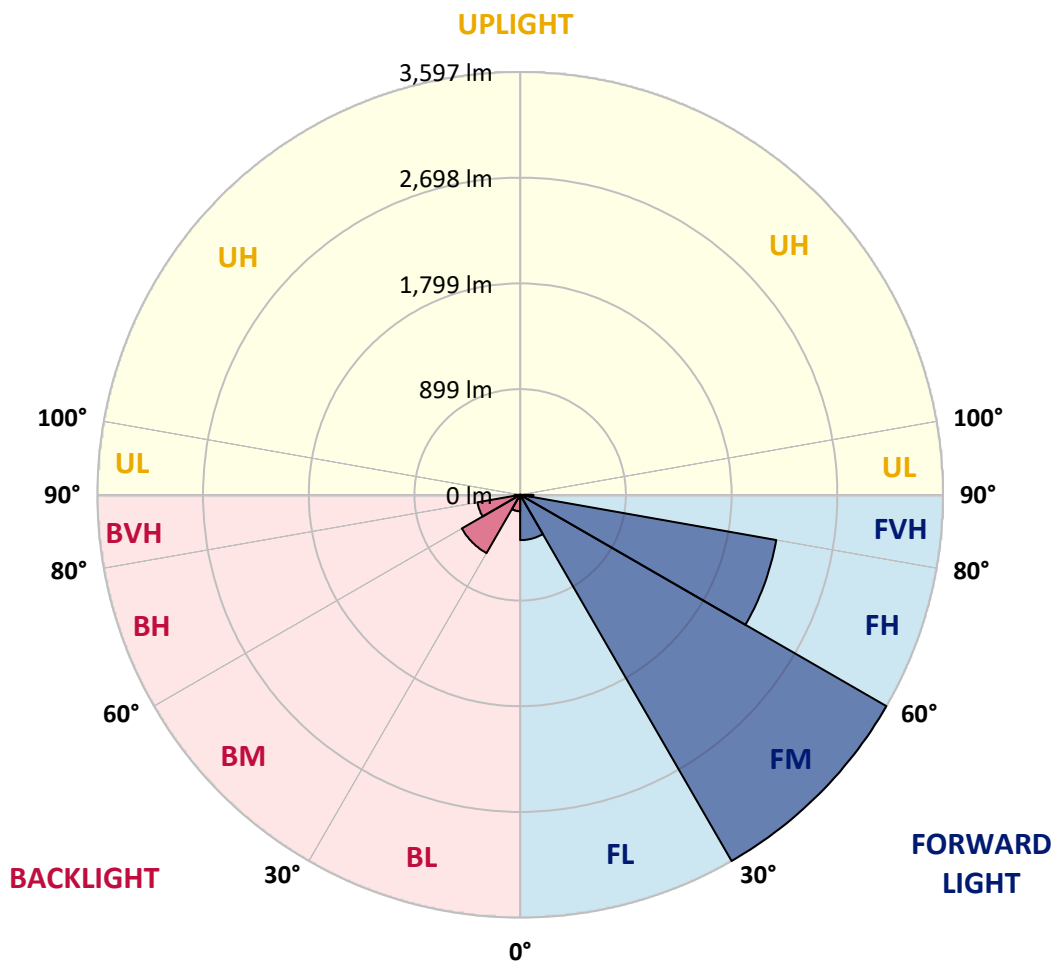
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.6	5.2			
FM	(30°-60°)	3597.1	48.4			
FH	(60°-80°)	2212.1	29.7			G2/5000
FVH	(80°-90°)	112.3	1.5			G2/225
BL	(0°-30°)	139.9	1.9	B1/500		
BM	(30°-60°)	573.6	7.7	B1/1000		
BH	(60°-80°)	369.0	5.0	B1/500		G1/500
BVH	(80°-90°)	46.4	0.6			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	5.7	5.7	6.5	7.3	9.0	8.2	5.7	4.1	3.3	3.3	3.3
5°	263.5	242.3	135.4	70.2	24.5	14.7	7.3	5.7	4.1	4.1	3.3
7.5°	297.8	296.1	293.7	291.2	287.2	271.7	28.6	8.2	4.9	4.9	3.3
10°	321.4	319.0	317.4	315.7	310.0	301.9	288.0	25.3	9.0	8.2	7.3
12.5°	624.1	622.5	620.0	396.5	336.1	327.1	314.9	225.2	26.1	39.2	118.3
15°	622.5	620.0	627.4	640.4	651.0	358.1	361.4	632.3	391.6	376.1	400.6
17.5°	649.4	646.1	638.0	646.9	666.5	748.9	708.1	684.5	460.9	439.7	427.5
20°	952.1	952.1	961.8	953.7	691.8	957.0	906.4	735.0	832.9	783.2	728.5
22.5°	1007.5	1003.5	1005.1	1021.4	1200.9	992.0	1000.2	1134.0	1157.6	1057.3	906.4
25°	1432.6	1431.8	1375.5	1079.3	1266.1	1196.0	1382.0	1213.1	1255.5	1137.2	1112.0
27.5°	1612.1	1613.7	1568.0	1527.2	1337.9	1550.9	1466.8	1597.4	1783.4	1656.9	1424.4
30°	2169.3	2148.0	1789.1	1749.1	1637.3	1634.9	1776.0	1886.2	1834.0	1774.4	1590.8
32.5°	2578.0	2556.8	2477.6	2201.1	1946.5	1820.9	2040.4	1973.5	2392.8	2490.7	2157.0
35°	3210.2	3202.9	2782.7	2497.2	2285.9	2201.9	2144.0	2404.2	2590.2	2604.9	2297.3
37.5°	3695.6	3672.0	3425.6	2922.3	2573.1	2378.9	2516.8	2520.9	2806.4	2737.1	2516.8
40°	3917.5	3902.9	3713.6	3241.2	2837.4	2618.0	2673.4	2697.1	3043.0	2923.1	2676.7
42.5°	4086.4	4068.5	3948.5	3433.0	3069.9	2860.2	2835.0	2856.2	3272.2	3126.2	2848.0
45°	4173.7	4163.1	4106.8	3569.2	3232.3	3014.4	3007.9	2996.5	3428.1	3376.7	3034.0
47.5°	4124.8	4113.3	4138.6	3754.4	3333.4	3140.9	3168.6	3148.2	3606.7	3690.7	3236.3
50°	3853.1	3863.7	3964.9	3761.7	3397.9	3243.7	3338.3	3287.7	3849.8	4022.0	3481.9
52.5°	3066.6	3109.9	3538.2	3598.6	3404.4	3291.8	3490.9	3500.7	4151.7	4376.0	3805.0
55°	2288.4	2349.5	2728.9	3200.4	3273.9	3293.4	3588.8	3695.6	4452.7	4690.9	4076.6
57.5°	1801.3	1838.8	2080.3	2553.5	2959.0	3235.5	3689.1	3853.9	4732.5	5005.8	4343.4
60°	1439.9	1417.1	1574.5	1933.5	2466.2	3073.2	3733.2	4060.3	5080.9	5412.1	4657.5
62.5°	1041.0	1042.6	1162.5	1367.3	1952.2	2752.6	3698.9	4260.2	5524.7	5937.5	5076.0
65°	738.3	745.7	827.2	937.4	1411.4	2312.0	3529.2	4396.4	6025.6	6462.9	5416.2
67.5°	562.1	567.0	605.3	656.7	912.1	1758.9	3180.9	4368.7	6300.5	6711.7	5514.9
68°	539.3	531.1	574.3	611.9	839.5	1667.5	3085.4	4313.2	6313.6	6725.6	5491.3
70°	454.4	454.4	474.0	483.0	594.7	1232.7	2618.0	3977.9	6267.1	6639.9	5311.8
72.5°	379.4	376.9	388.3	381.0	420.1	806.8	1901.7	3430.5	5935.1	6249.1	4777.4
75°	315.7	315.7	317.4	311.6	322.2	540.9	1236.0	2687.3	5243.2	5218.0	3888.2
77.5°	269.2	262.7	261.1	252.9	261.9	393.2	757.9	1912.3	3785.4	3649.1	2468.7
80°	213.7	212.9	214.6	209.7	217.0	286.4	461.8	1117.7	2061.6	1814.4	1151.1
82.5°	132.2	145.2	159.9	159.9	182.7	202.3	279.8	598.0	999.4	878.6	488.7
85°	43.2	53.0	93.8	97.1	117.5	94.6	160.7	192.5	333.7	297.8	93.8
87.5°	1.6	2.4	7.3	11.4	10.6	6.5	11.4	9.0	18.8	13.9	14.7
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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	3.3	3.3	3.3	4.1	4.1	2.4	1.6	3.3	3.3	3.3	3.3
5°	3.3	3.3	4.1	4.1	4.1	3.3	4.1	5.7	6.5	6.5	6.5
7.5°	3.3	3.3	3.3	4.9	4.9	5.7	8.2	48.9	112.6	123.2	121.6
10°	6.5	5.7	6.5	7.3	9.0	104.4	137.1	144.4	147.7	150.1	149.3
12.5°	156.6	140.3	26.1	14.7	98.7	146.8	149.3	155.0	160.7	163.2	163.2
15°	367.1	328.8	251.3	189.3	168.9	156.6	159.1	208.8	283.9	291.2	292.1
17.5°	390.0	341.8	262.7	289.6	298.6	232.5	255.4	287.2	290.4	291.2	291.2
20°	735.0	615.9	373.6	305.1	304.3	389.1	272.5	280.6	285.5	324.7	329.6
22.5°	795.4	660.0	448.7	433.2	328.0	389.1	356.5	346.7	379.4	376.1	378.5
25°	1000.2	792.2	472.4	434.8	459.3	376.9	418.5	345.1	350.8	349.2	349.2
27.5°	1271.9	999.4	660.0	487.0	446.3	435.6	387.5	332.0	398.1	399.7	399.7
30°	1346.9	1027.9	660.0	526.2	464.2	428.3	358.1	392.4	370.4	363.9	360.6
32.5°	1866.6	1394.2	798.7	506.6	457.7	393.2	392.4	364.7	363.9	378.5	378.5
35°	1961.2	1415.4	729.3	579.2	431.6	405.5	372.8	368.7	352.4	346.7	345.9
37.5°	2055.0	1428.5	676.3	531.9	443.0	386.7	367.1	338.6	356.5	356.5	354.9
40°	2155.4	1442.4	628.2	488.7	407.1	386.7	340.2	337.7	313.3	314.9	313.3
42.5°	2263.1	1448.1	576.8	452.8	373.6	363.0	328.8	303.5	302.7	308.4	306.7
45°	2386.3	1455.4	529.5	407.1	340.2	319.8	293.7	295.3	310.8	323.9	323.9
47.5°	2517.6	1461.9	490.3	366.3	316.5	290.4	270.9	277.4	305.1	318.2	322.2
50°	2695.5	1470.1	445.4	332.9	300.2	268.4	265.1	270.9	301.0	310.8	306.7
52.5°	2884.7	1455.4	401.4	311.6	283.1	243.9	249.6	264.3	297.0	301.9	298.6
55°	3039.7	1418.7	367.1	297.8	270.9	233.3	241.5	259.4	290.4	292.9	293.7
57.5°	3220.0	1370.6	340.2	287.2	263.5	228.4	238.2	258.6	277.4	288.8	288.8
60°	3397.1	1314.3	323.9	281.5	257.8	228.4	238.2	257.8	274.9	287.2	286.4
62.5°	3604.3	1250.6	314.1	284.7	250.5	230.9	239.8	260.2	274.1	288.0	286.4
65°	3676.9	1129.1	306.7	289.6	249.6	234.1	240.7	263.5	273.3	289.6	288.0
67.5°	3533.3	968.4	294.5	289.6	257.0	238.2	239.8	261.9	270.9	290.4	283.1
68°	3485.2	944.7	290.4	288.8	257.8	239.0	239.8	261.1	269.2	289.6	281.5
70°	3217.6	794.6	270.0	280.6	261.1	242.3	235.8	255.4	261.1	288.0	278.2
72.5°	2784.4	619.2	235.8	261.1	257.8	247.2	228.4	243.9	247.2	269.2	252.9
75°	2226.4	470.7	195.0	226.8	242.3	247.2	217.8	228.4	227.6	238.2	223.5
77.5°	1399.9	336.1	157.5	192.5	220.3	240.7	208.0	208.0	198.2	199.9	193.3
80°	678.8	230.1	127.3	159.1	184.4	227.6	190.9	175.4	163.2	159.9	151.7
82.5°	333.7	148.5	88.1	119.9	146.0	188.5	171.3	144.4	123.2	121.6	108.5
85°	77.5	61.2	48.1	63.6	92.2	123.2	123.2	90.6	76.7	99.5	73.4
87.5°	7.3	9.0	9.8	9.0	11.4	10.6	26.1	26.1	23.7	15.5	10.6
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)