

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: P413926

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413926  
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-PA1-100-750-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10067 lumens  
Efficiency: N/A  
Efficacy: 104.9 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 - G3

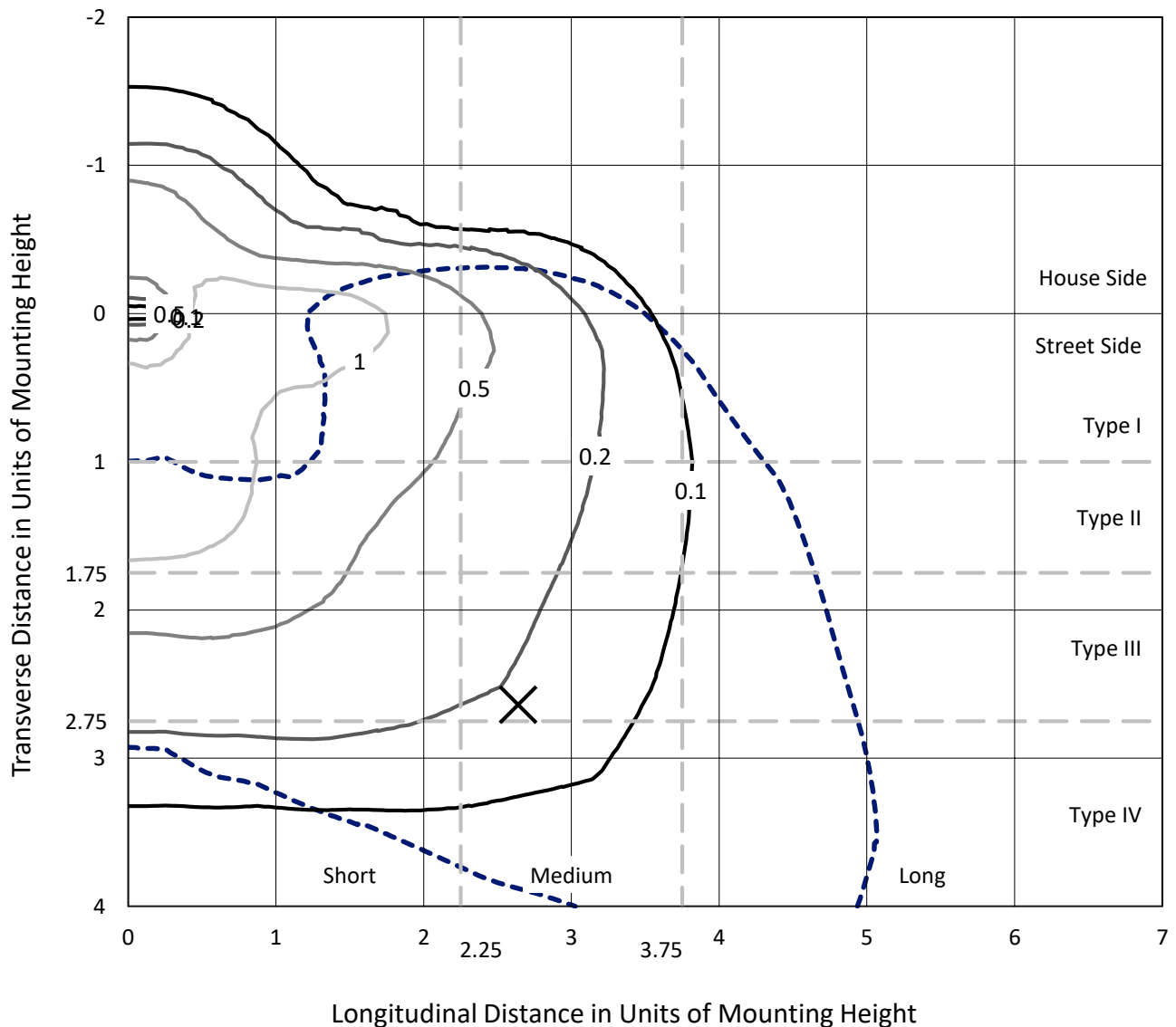
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

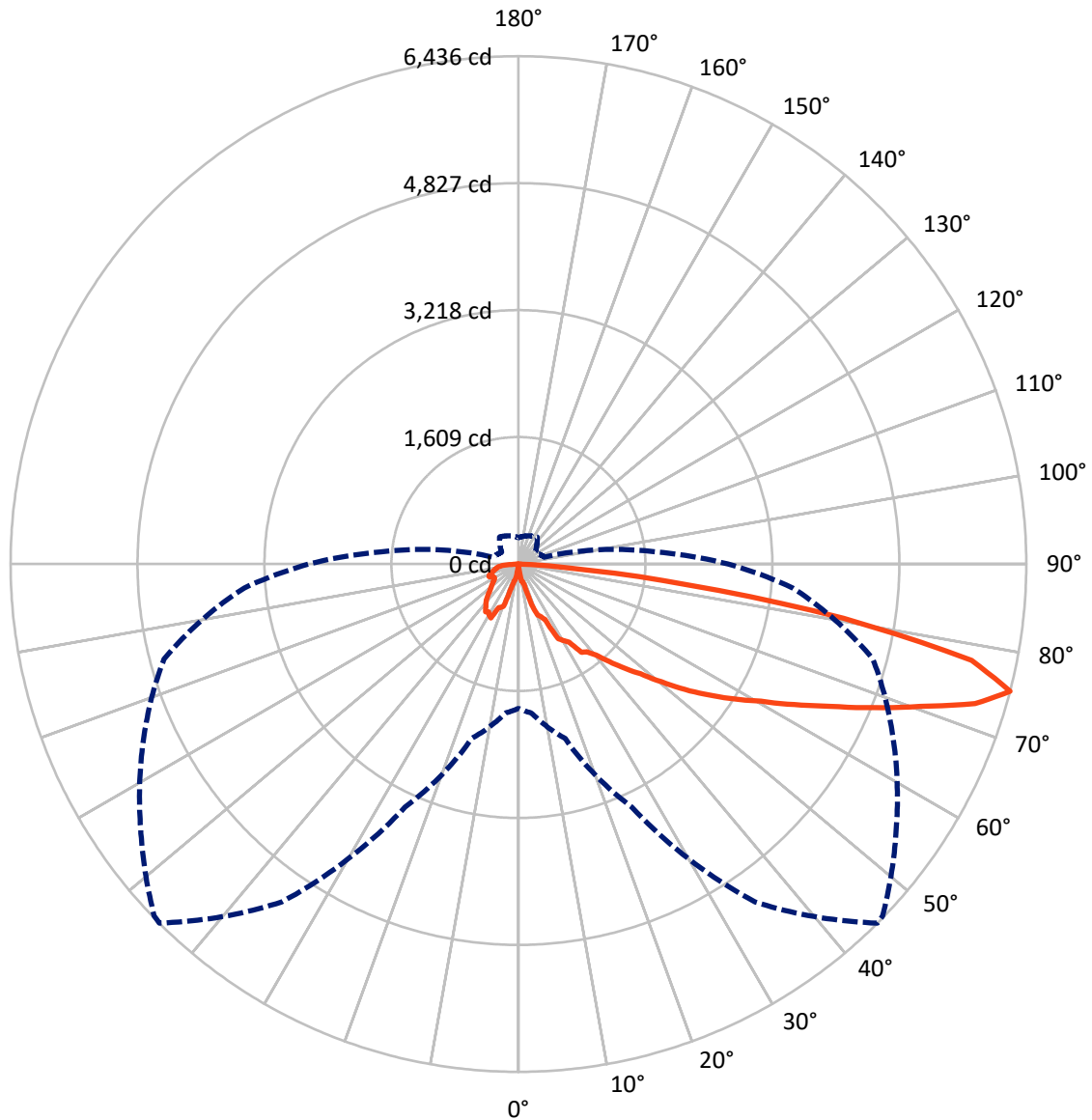
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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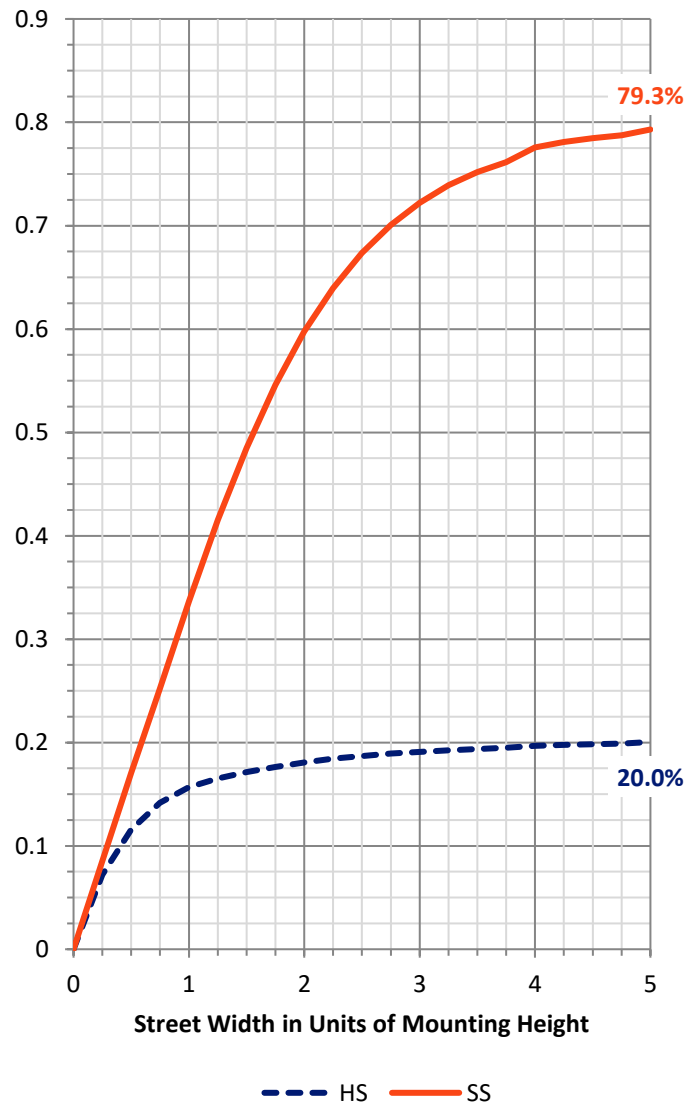
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2064.7	0.0	2064.7
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	8002.2	0.0	8002.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	10067.0	0.0	10067.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	104.0	1.0
20°-30°	386.8	3.8
30°-40°	797.0	7.9
40°-50°	1263.7	12.6
50°-60°	1997.7	19.8
60°-70°	2806.5	27.9
70°-80°	2336.4	23.2
80°-90°	368.4	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°	10067.0	100.0
0°-180°	10067.0	100.0



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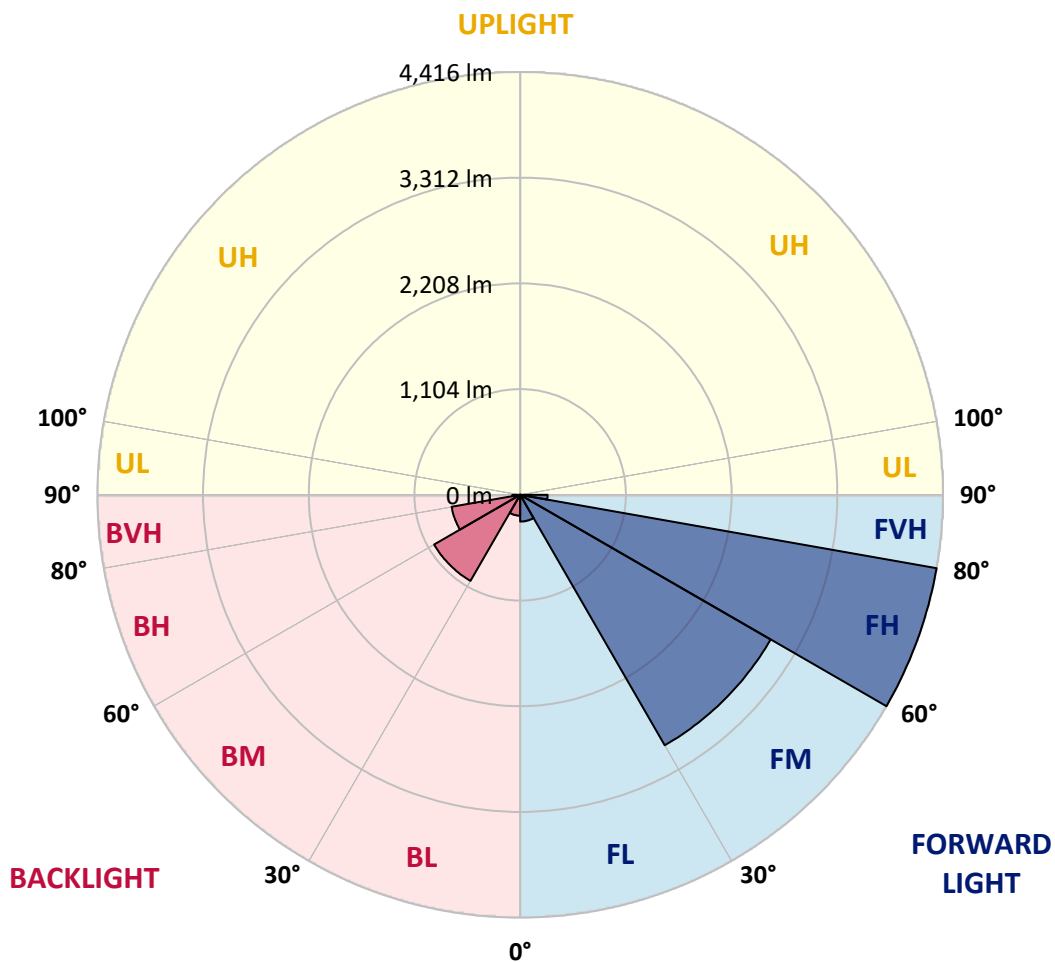
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.5	2.8			
FM	(30°-60°)	3020.6	30.0			
FH	(60°-80°)	4416.1	43.9			G2/5000
FVH	(80°-90°)	286.1	2.8			G3/500
BL	(0°-30°)	217.9	2.2	B1/500		
BM	(30°-60°)	1037.7	10.3	B2/2500		
BH	(60°-80°)	726.9	7.2	B2/1000		G2/1000
BVH	(80°-90°)	82.3	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-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	3.3	4.4	4.4	4.4
5°	77.5	73.2	57.9	51.3	42.6	17.5	14.2	6.6	5.5	5.5	4.4
7.5°	230.4	228.2	224.9	217.3	207.4	129.9	112.5	40.4	7.6	5.5	4.4
10°	254.4	250.0	244.6	236.9	228.2	217.3	216.2	198.7	36.0	12.0	9.8
12.5°	500.0	491.3	410.5	297.0	245.7	232.6	232.6	224.9	162.7	56.8	133.2
15°	537.2	532.8	517.5	497.9	468.4	269.7	264.2	351.6	433.4	303.5	322.1
17.5°	603.8	593.9	547.0	523.0	501.1	543.7	540.4	503.3	474.9	336.3	361.4
20°	841.8	836.3	816.7	585.2	539.3	687.8	690.0	571.0	516.4	595.0	590.7
22.5°	861.4	860.3	846.1	811.2	854.9	721.7	722.8	758.8	754.4	789.4	716.2
25°	1126.7	1123.5	911.7	836.3	933.5	777.4	812.3	941.1	840.7	856.0	894.2
27.5°	1156.2	1154.0	1142.0	1089.6	966.2	1071.1	1071.1	972.8	1071.1	1121.3	1127.8
30°	1314.5	1273.0	1189.0	1163.9	1125.6	1124.6	1127.8	1126.7	1239.2	1173.7	1239.2
32.5°	1546.0	1537.3	1506.7	1262.1	1251.2	1179.1	1216.3	1301.4	1293.8	1492.5	1577.6
35°	1880.1	1761.1	1653.0	1456.5	1299.2	1373.5	1378.9	1349.5	1506.7	1570.0	1690.1
37.5°	2346.3	2313.5	2160.7	1639.9	1447.7	1411.7	1415.0	1511.0	1601.7	1671.5	1805.8
40°	2685.8	2668.4	2562.4	2007.8	1587.5	1515.4	1523.1	1585.3	1669.4	1793.8	1933.6
42.5°	3011.2	3011.2	2948.9	2322.3	1887.7	1692.3	1686.8	1699.9	1760.0	1891.0	2122.5
45°	3223.0	3211.0	3263.4	2618.1	2111.5	1882.3	1861.5	1858.2	1880.1	2035.1	2375.8
47.5°	3435.9	3403.1	3453.4	2917.3	2404.1	2078.8	2081.0	2040.6	2070.0	2308.1	2721.9
50°	3660.8	3667.3	3660.8	3169.5	2691.3	2346.3	2327.7	2276.4	2335.4	2628.0	3109.4
52.5°	3981.8	3958.9	3894.4	3490.5	3058.1	2643.2	2613.8	2539.5	2678.2	3004.6	3594.2
55°	4215.4	4193.6	4176.1	3834.4	3339.8	2930.4	2912.9	2831.0	3090.9	3384.6	4094.2
57.5°	4469.8	4443.6	4493.8	4303.9	3782.0	3230.6	3207.7	3157.5	3514.5	3818.0	4603.0
60°	4641.2	4642.3	4779.9	4642.3	4151.0	3530.9	3509.0	3546.2	3902.1	4215.4	5152.2
62.5°	4641.2	4677.3	4979.7	5012.4	4546.2	3922.8	3884.6	3905.4	4323.5	4632.5	5603.1
65°	4201.2	4246.0	4951.3	5119.4	4942.6	4346.4	4327.9	4314.8	4722.0	4962.2	5956.8
67.5°	3752.5	3808.2	4521.1	5124.9	5266.8	4860.7	4793.0	4682.7	5065.9	5207.9	6146.8
70°	3441.3	3487.2	4053.8	4949.1	5476.5	5400.0	5355.3	5064.8	5296.3	5364.0	5932.8
72.5°	2935.8	2940.2	3444.6	4577.9	5617.3	6051.8	5947.0	5488.5	5426.2	5262.5	5031.0
75°	1829.9	1896.5	2289.5	3397.7	5228.6	6436.1	6416.5	5844.4	5240.6	4650.0	3488.3
77.5°	681.3	720.6	957.5	1744.7	3741.6	5870.6	5888.1	5457.9	4432.7	3369.3	1873.5
80°	221.6	238.0	316.6	562.3	1661.7	4178.3	4314.8	3871.5	2718.6	1711.9	789.4
82.5°	123.4	119.0	183.4	291.5	709.7	2165.0	2254.6	1861.5	1281.8	716.2	294.8
85°	56.8	59.0	87.3	158.3	378.9	603.8	651.8	636.5	485.8	294.8	108.1
87.5°	12.0	14.2	19.7	37.1	59.0	51.3	37.1	65.5	95.0	69.9	18.6
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.4	4.4	3.3	3.3	2.2	2.2	1.1	1.1	2.2	2.2	2.2
5°	4.4	4.4	3.3	3.3	3.3	3.3	4.4	7.6	8.7	9.8	8.7
7.5°	4.4	4.4	4.4	4.4	5.5	10.9	51.3	157.2	167.0	170.3	174.7
10°	9.8	8.7	8.7	9.8	33.8	164.9	198.7	209.6	215.1	218.4	217.3
12.5°	151.8	150.7	55.7	33.8	158.3	208.5	214.0	220.5	231.5	242.4	238.0
15°	321.0	319.9	294.8	305.7	307.9	227.1	231.5	378.9	404.0	420.3	425.8
17.5°	349.4	352.7	342.8	422.5	432.4	343.9	385.4	422.5	431.3	436.7	437.8
20°	648.5	583.0	499.0	472.7	460.7	567.7	430.2	434.5	561.2	601.6	605.9
22.5°	712.9	707.5	661.6	681.3	575.4	591.8	556.8	587.4	644.2	656.2	656.2
25°	920.4	910.6	755.5	709.7	730.4	608.1	703.1	639.8	660.5	682.4	684.6
27.5°	1131.1	1119.1	1008.8	798.1	723.9	767.5	714.0	771.9	835.2	865.8	866.9
30°	1229.4	1213.0	1052.5	899.6	753.3	751.2	750.1	853.8	848.3	868.0	873.4
32.5°	1633.3	1607.1	1345.1	884.4	781.7	714.0	795.9	830.9	955.3	1016.5	1023.0
35°	1731.6	1698.8	1351.6	978.3	738.1	735.9	738.1	852.7	920.4	964.1	973.9
37.5°	1844.0	1799.3	1336.4	917.1	755.5	685.6	702.0	769.7	917.1	1015.4	1023.0
40°	1983.8	1915.0	1332.0	856.0	704.2	648.5	645.3	735.9	801.4	861.4	866.9
42.5°	2177.0	2066.8	1325.4	792.6	644.2	603.8	609.2	648.5	700.9	695.5	704.2
45°	2433.6	2255.7	1314.5	737.0	583.0	548.1	544.8	573.2	597.2	562.3	552.4
47.5°	2754.6	2489.3	1332.0	683.5	526.2	493.5	494.6	506.6	511.0	472.7	464.0
50°	3119.3	2753.5	1350.6	624.5	480.4	455.3	449.8	454.2	447.6	410.5	407.2
52.5°	3553.8	3063.6	1360.4	568.8	443.3	423.6	417.1	413.8	404.0	378.9	375.6
55°	4057.1	3435.9	1381.1	524.1	412.7	394.1	390.9	386.5	383.2	369.0	366.8
57.5°	4572.4	3846.4	1369.1	478.2	383.2	366.8	373.4	381.0	389.8	384.3	383.2
60°	5045.2	4173.9	1220.6	437.8	354.8	350.5	378.9	414.9	421.4	426.9	425.8
62.5°	5398.9	4338.8	968.4	402.9	335.2	351.6	420.3	470.6	464.0	449.8	446.5
65°	5523.4	4292.9	745.7	376.7	325.4	381.0	464.0	490.2	453.1	426.9	421.4
67.5°	5440.4	4066.9	577.6	354.8	319.9	406.1	479.3	471.7	429.1	409.4	401.8
70°	5015.7	3596.4	458.6	336.3	314.4	390.9	471.7	449.8	409.4	392.0	379.9
72.5°	4104.1	2844.1	393.0	315.5	291.5	359.2	447.6	420.3	392.0	369.0	358.1
75°	2654.2	1749.1	341.7	291.5	260.9	325.4	417.1	392.0	367.9	345.0	334.1
77.5°	1277.4	794.8	299.2	262.0	232.6	300.2	392.0	362.5	338.5	315.5	302.4
80°	538.3	375.6	255.5	232.6	211.8	281.7	364.7	330.8	303.5	287.1	272.9
82.5°	262.0	207.4	194.3	188.9	184.5	256.6	335.2	293.7	265.3	250.0	218.4
85°	88.4	89.5	120.1	116.8	129.9	205.3	274.0	222.7	198.7	172.5	161.6
87.5°	8.7	12.0	16.4	20.7	42.6	56.8	93.9	76.4	60.0	22.9	15.3
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)