

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: P416291

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416291  
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-PA1-70-730-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7595 lumens  
Efficiency: N/A  
Efficacy: 102.6 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

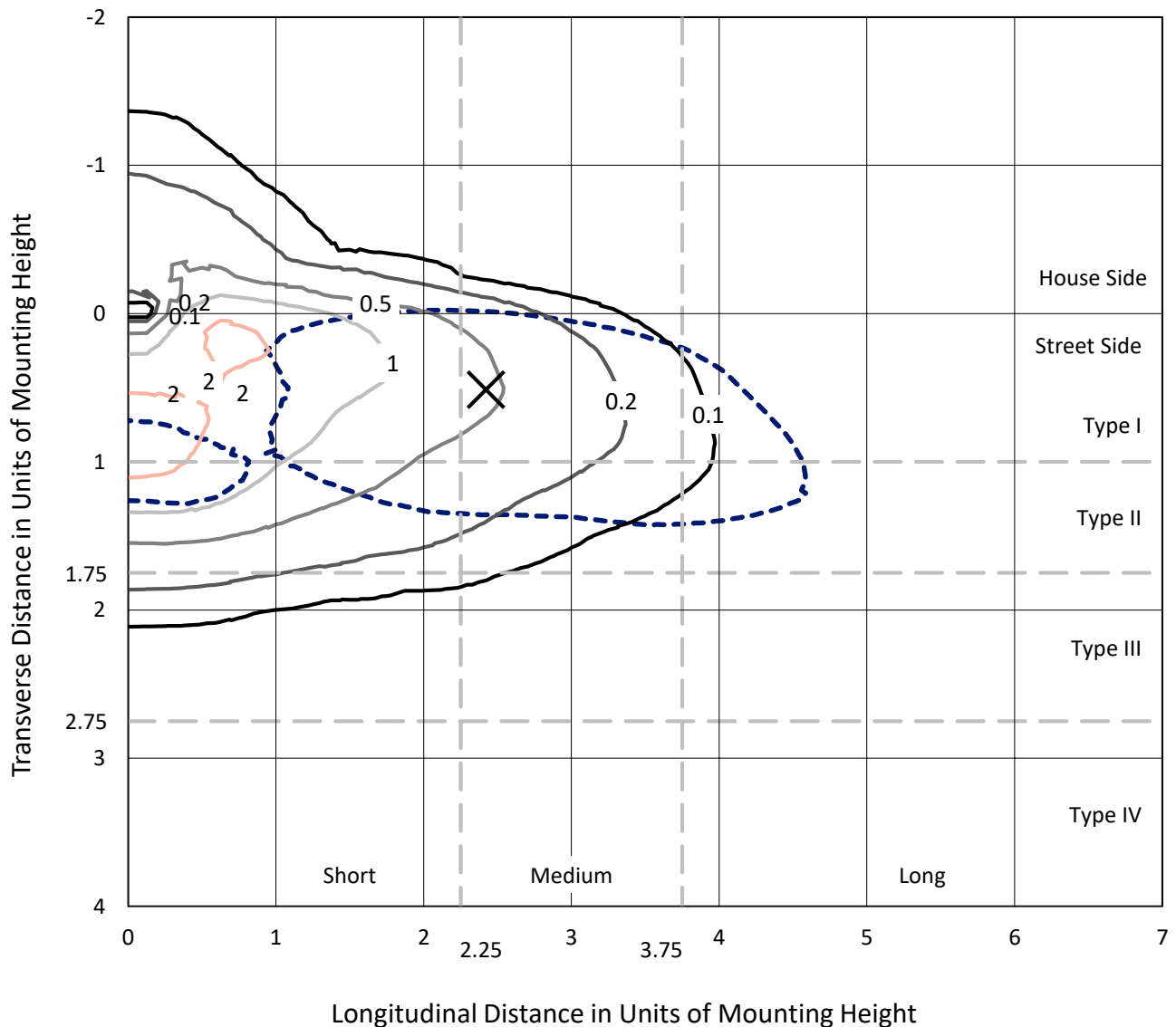
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

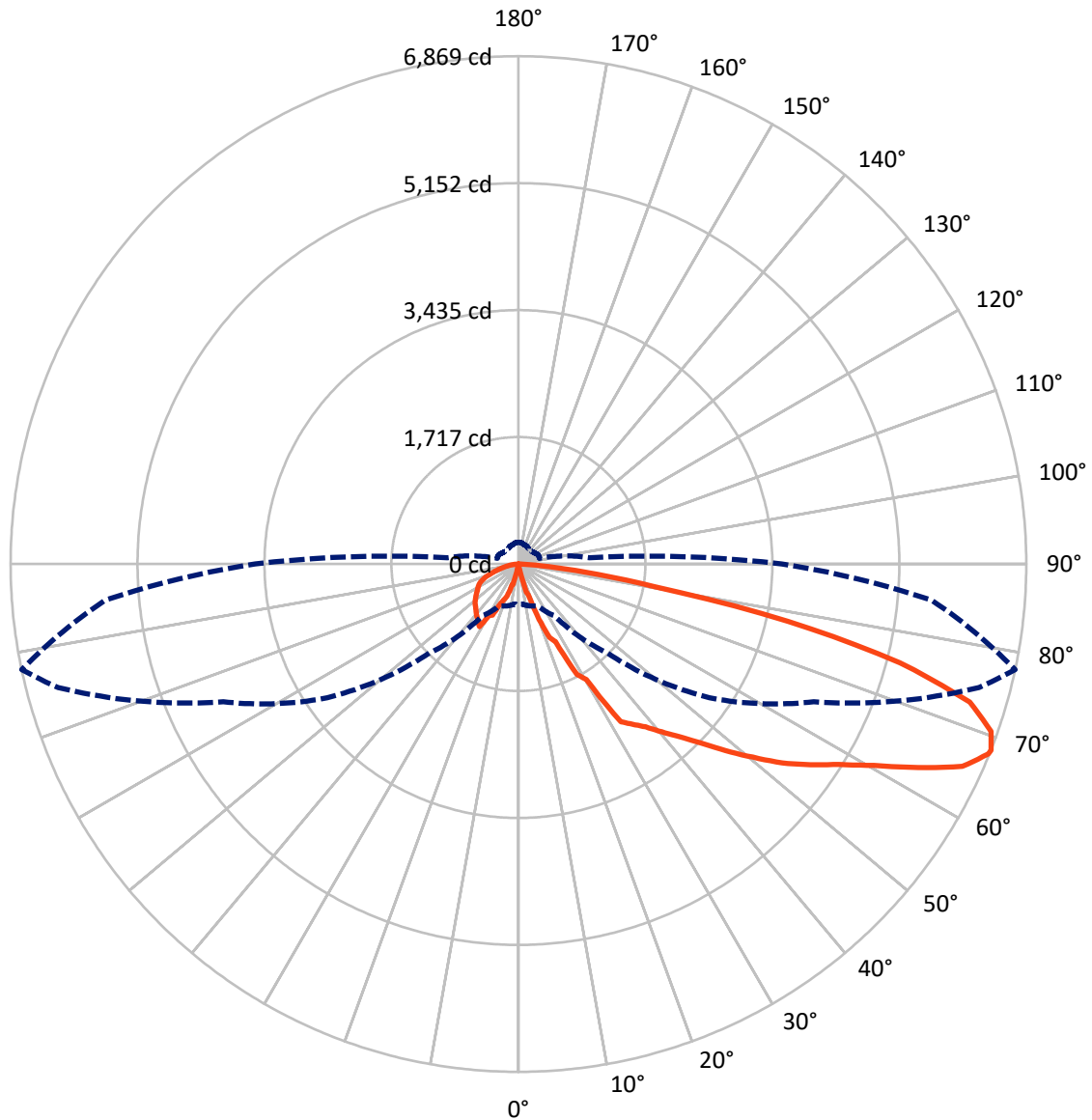
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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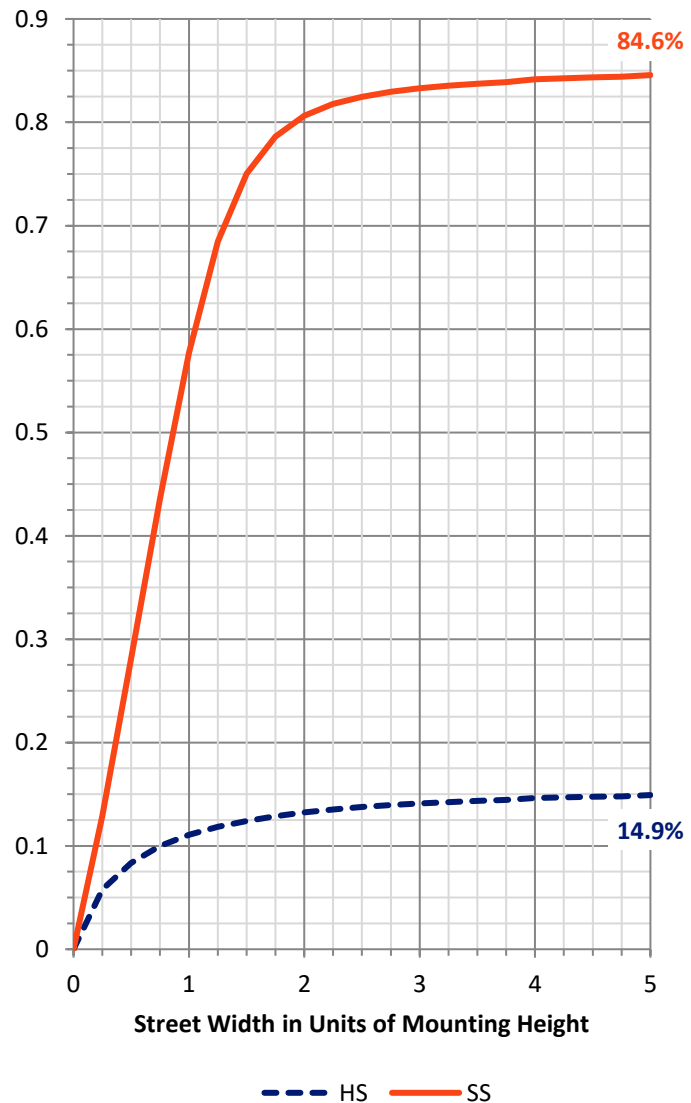
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1153.1	0.0	1153.1
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	6441.9	0.0	6441.9
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	7595.0	0.0	7595.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.6	0.1
10°-20°	110.1	1.4
20°-30°	419.1	5.5
30°-40°	978.5	12.9
40°-50°	1527.7	20.1
50°-60°	1753.6	23.1
60°-70°	1629.5	21.5
70°-80°	1006.8	13.3
80°-90°	162.1	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°	7595.0	100.0
0°-180°	7595.0	100.0



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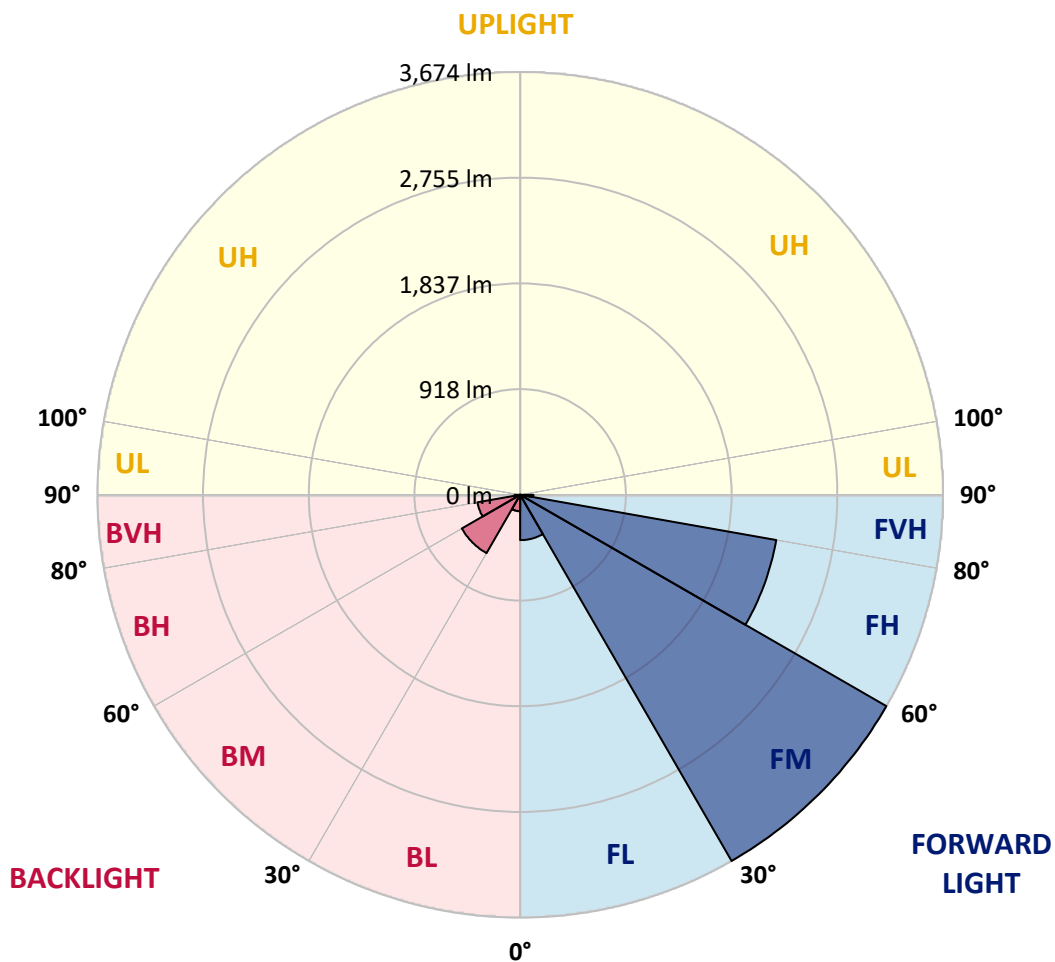
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	393.8	5.2			
FM (30°-60°)	3674.0	48.4			
FH (60°-80°)	2259.4	29.7			G2/5000
FVH (80°-90°)	114.7	1.5			G2/225
BL (0°-30°)	142.9	1.9	B1/500		
BM (30°-60°)	585.9	7.7	B1/1000		
BH (60°-80°)	376.9	5.0	B1/500		G1/500
BVH (80°-90°)	47.4	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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	5.8	5.8	6.7	7.5	9.2	8.3	5.8	4.2	3.3	3.3	3.3
5°	269.1	247.5	138.3	71.7	25.0	15.0	7.5	5.8	4.2	4.2	3.3
7.5°	304.1	302.5	300.0	297.5	293.3	277.5	29.2	8.3	5.0	5.0	3.3
10°	328.3	325.8	324.1	322.5	316.6	308.3	294.1	25.8	9.2	8.3	7.5
12.5°	637.4	635.8	633.3	405.0	343.3	334.1	321.6	230.0	26.7	40.0	120.8
15°	635.8	633.3	640.8	654.1	664.9	365.8	369.1	645.8	400.0	384.1	409.1
17.5°	663.3	659.9	651.6	660.8	680.8	764.9	723.3	699.1	470.8	449.1	436.6
20°	972.4	972.4	982.4	974.1	706.6	977.4	925.8	750.8	850.8	799.9	744.1
22.5°	1029.1	1024.9	1026.6	1043.2	1226.6	1013.2	1021.6	1158.2	1182.4	1079.9	925.8
25°	1463.2	1462.4	1404.9	1102.4	1293.2	1221.6	1411.5	1239.1	1282.4	1161.6	1135.7
27.5°	1646.5	1648.2	1601.5	1559.9	1366.5	1584.0	1498.2	1631.5	1821.5	1692.3	1454.9
30°	2215.6	2194.0	1827.3	1786.5	1672.4	1669.9	1814.0	1926.5	1873.2	1812.3	1624.9
32.5°	2633.1	2611.4	2530.6	2248.1	1988.2	1859.8	2084.0	2015.7	2443.9	2543.9	2203.1
35°	3278.9	3271.4	2842.2	2550.6	2334.8	2249.0	2189.8	2455.6	2645.6	2660.6	2346.5
37.5°	3774.7	3750.5	3498.9	2984.7	2628.1	2429.8	2570.6	2574.8	2866.4	2795.6	2570.6
40°	4001.3	3986.3	3793.0	3310.5	2898.1	2673.9	2730.6	2754.8	3108.1	2985.6	2733.9
42.5°	4173.8	4155.5	4033.0	3506.4	3135.6	2921.4	2895.6	2917.2	3342.2	3193.1	2908.9
45°	4263.0	4252.1	4194.6	3645.5	3301.4	3078.9	3072.2	3060.6	3501.4	3448.9	3098.9
47.5°	4213.0	4201.3	4227.1	3834.7	3404.7	3208.0	3236.4	3215.5	3683.8	3769.7	3305.5
50°	3935.5	3946.3	4049.6	3842.2	3470.5	3313.0	3409.7	3358.0	3932.2	4108.0	3556.4
52.5°	3132.2	3176.4	3613.8	3675.5	3477.2	3362.2	3565.5	3575.5	4240.5	4469.6	3886.3
55°	2337.3	2399.8	2787.3	3268.9	3343.9	3363.9	3665.5	3774.7	4547.9	4791.2	4163.8
57.5°	1839.8	1878.2	2124.8	2608.1	3022.2	3304.7	3768.0	3936.3	4833.7	5112.9	4436.3
60°	1470.7	1447.4	1608.2	1974.8	2518.9	3138.9	3813.0	4147.1	5189.5	5527.8	4757.1
62.5°	1063.2	1064.9	1187.4	1396.5	1994.0	2811.4	3778.0	4351.3	5642.8	6064.5	5184.5
65°	754.1	761.6	844.9	957.4	1441.5	2361.5	3604.7	4490.4	6154.5	6601.1	5532.0
67.5°	574.1	579.1	618.3	670.8	931.6	1796.5	3248.9	4462.1	6435.3	6855.2	5632.8
68°	550.8	542.5	586.6	624.9	857.4	1703.2	3151.4	4405.4	6448.6	6869.4	5608.7
70°	464.1	464.1	484.1	493.3	607.4	1259.1	2673.9	4063.0	6401.1	6781.9	5425.4
72.5°	387.5	385.0	396.6	389.1	429.1	824.1	1942.3	3503.9	6062.0	6382.8	4879.6
75°	322.5	322.5	324.1	318.3	329.1	552.5	1262.4	2744.8	5355.4	5329.5	3971.3
77.5°	275.0	268.3	266.6	258.3	267.5	401.6	774.1	1953.2	3866.3	3727.2	2521.4
80°	218.3	217.5	219.1	214.1	221.6	292.5	471.6	1141.6	2105.6	1853.2	1175.7
82.5°	135.0	148.3	163.3	163.3	186.7	206.6	285.8	610.8	1020.7	897.4	499.1
85°	44.2	54.2	95.8	99.2	120.0	96.7	164.2	196.6	340.8	304.1	95.8
87.5°	1.7	2.5	7.5	11.7	10.8	6.7	11.7	9.2	19.2	14.2	15.0
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°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	3.3	3.3	3.3	4.2	4.2	2.5	1.7	3.3	3.3	3.3	3.3
5°	3.3	3.3	4.2	4.2	4.2	3.3	4.2	5.8	6.7	6.7	6.7
7.5°	3.3	3.3	3.3	5.0	5.0	5.8	8.3	50.0	115.0	125.8	124.2
10°	6.7	5.8	6.7	7.5	9.2	106.7	140.0	147.5	150.8	153.3	152.5
12.5°	160.0	143.3	26.7	15.0	100.8	150.0	152.5	158.3	164.2	166.7	166.7
15°	375.0	335.8	256.6	193.3	172.5	160.0	162.5	213.3	290.0	297.5	298.3
17.5°	398.3	349.1	268.3	295.8	305.0	237.5	260.8	293.3	296.6	297.5	297.5
20°	750.8	629.1	381.6	311.6	310.8	397.5	278.3	286.6	291.6	331.6	336.6
22.5°	812.4	674.1	458.3	442.5	335.0	397.5	364.1	354.1	387.5	384.1	386.6
25°	1021.6	809.1	482.5	444.1	469.1	385.0	427.5	352.5	358.3	356.6	356.6
27.5°	1299.1	1020.7	674.1	497.5	455.8	445.0	395.8	339.1	406.6	408.3	408.3
30°	1375.7	1049.9	674.1	537.5	474.1	437.5	365.8	400.8	378.3	371.6	368.3
32.5°	1906.5	1424.0	815.8	517.5	467.5	401.6	400.8	372.5	371.6	386.6	386.6
35°	2003.2	1445.7	744.9	591.6	440.8	414.1	380.8	376.6	360.0	354.1	353.3
37.5°	2099.0	1459.0	690.8	543.3	452.5	395.0	375.0	345.8	364.1	364.1	362.5
40°	2201.5	1473.2	641.6	499.1	415.8	395.0	347.5	345.0	320.0	321.6	320.0
42.5°	2311.5	1479.0	589.1	462.5	381.6	370.8	335.8	310.0	309.1	315.0	313.3
45°	2437.3	1486.5	540.8	415.8	347.5	326.6	300.0	301.6	317.5	330.8	330.8
47.5°	2571.4	1493.2	500.8	374.1	323.3	296.6	276.6	283.3	311.6	325.0	329.1
50°	2753.1	1501.5	455.0	340.0	306.6	274.1	270.8	276.6	307.5	317.5	313.3
52.5°	2946.4	1486.5	410.0	318.3	289.1	249.1	255.0	270.0	303.3	308.3	305.0
55°	3104.7	1449.0	375.0	304.1	276.6	238.3	246.6	265.0	296.6	299.1	300.0
57.5°	3288.9	1399.9	347.5	293.3	269.1	233.3	243.3	264.1	283.3	295.0	295.0
60°	3469.7	1342.4	330.8	287.5	263.3	233.3	243.3	263.3	280.8	293.3	292.5
62.5°	3681.3	1277.4	320.8	290.8	255.8	235.8	245.0	265.8	280.0	294.1	292.5
65°	3755.5	1153.2	313.3	295.8	255.0	239.1	245.8	269.1	279.1	295.8	294.1
67.5°	3608.8	989.1	300.8	295.8	262.5	243.3	245.0	267.5	276.6	296.6	289.1
68°	3559.7	964.9	296.6	295.0	263.3	244.1	245.0	266.6	275.0	295.8	287.5
70°	3286.4	811.6	275.8	286.6	266.6	247.5	240.8	260.8	266.6	294.1	284.1
72.5°	2843.9	632.4	240.8	266.6	263.3	252.5	233.3	249.1	252.5	275.0	258.3
75°	2274.0	480.8	199.1	231.6	247.5	252.5	222.5	233.3	232.5	243.3	228.3
77.5°	1429.9	343.3	160.8	196.6	225.0	245.8	212.5	212.5	202.5	204.1	197.5
80°	693.3	235.0	130.0	162.5	188.3	232.5	195.0	179.2	166.7	163.3	155.0
82.5°	340.8	151.7	90.0	122.5	149.2	192.5	175.0	147.5	125.8	124.2	110.8
85°	79.2	62.5	49.2	65.0	94.2	125.8	125.8	92.5	78.3	101.7	75.0
87.5°	7.5	9.2	10.0	9.2	11.7	10.8	26.7	26.7	24.2	15.8	10.8
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)