

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: P414082

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414082  
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-PA1-100-830-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 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: 8000 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U0 - G3

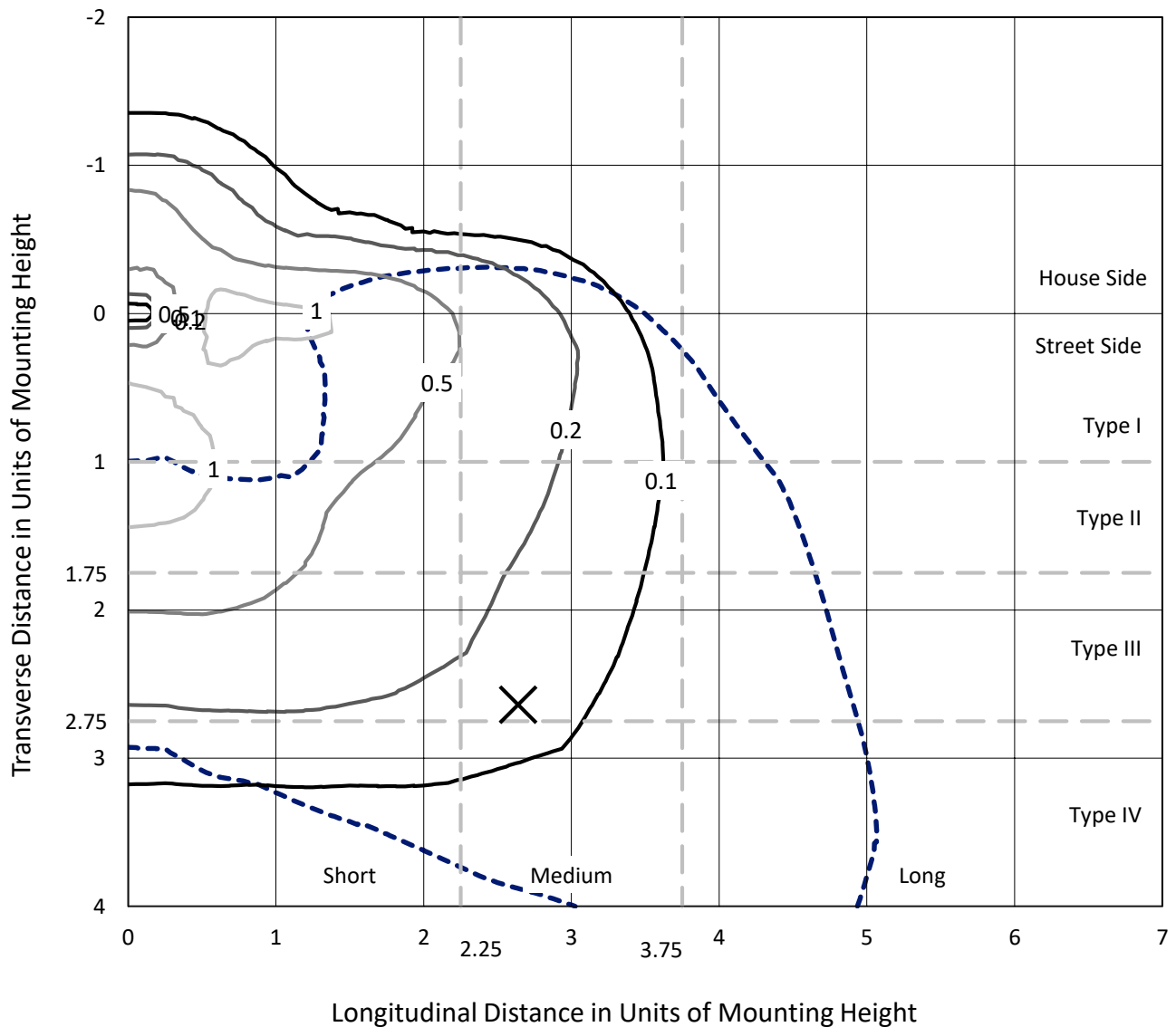
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

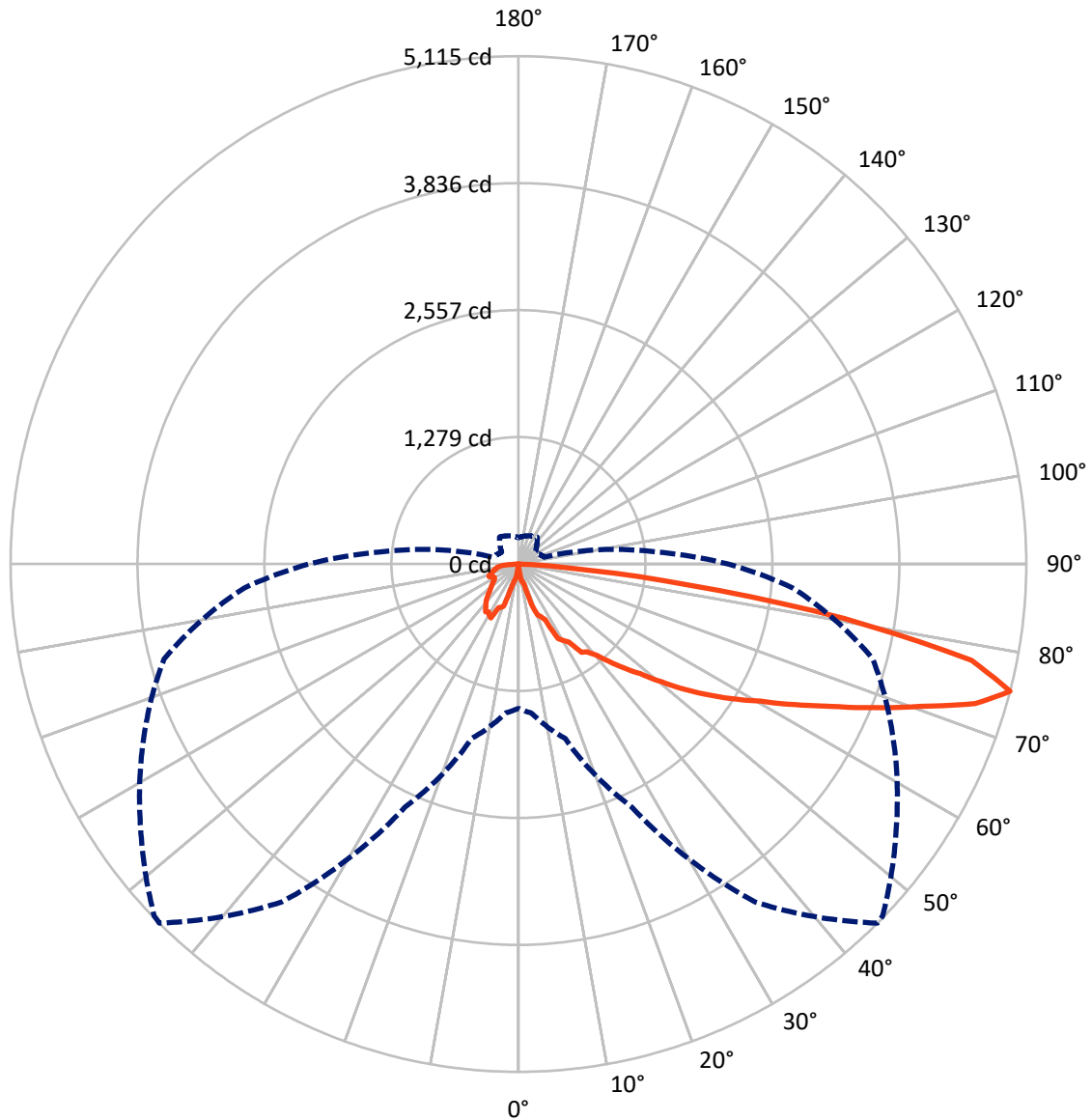
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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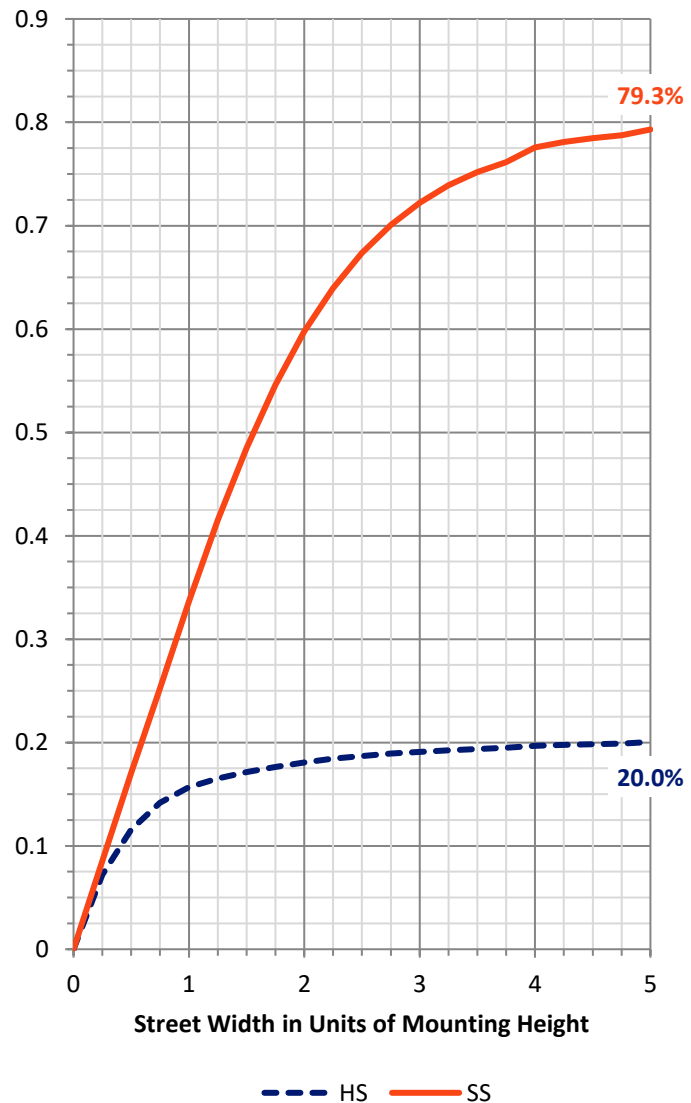
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1640.8	0.0	1640.8
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	6359.2	0.0	6359.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	8000.0	0.0	8000.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	82.6	1.0
20°-30°	307.4	3.8
30°-40°	633.3	7.9
40°-50°	1004.2	12.6
50°-60°	1587.5	19.8
60°-70°	2230.3	27.9
70°-80°	1856.7	23.2
80°-90°	292.8	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°	8000.0	100.0
0°-180°	8000.0	100.0

**Coefficient of Utilization**



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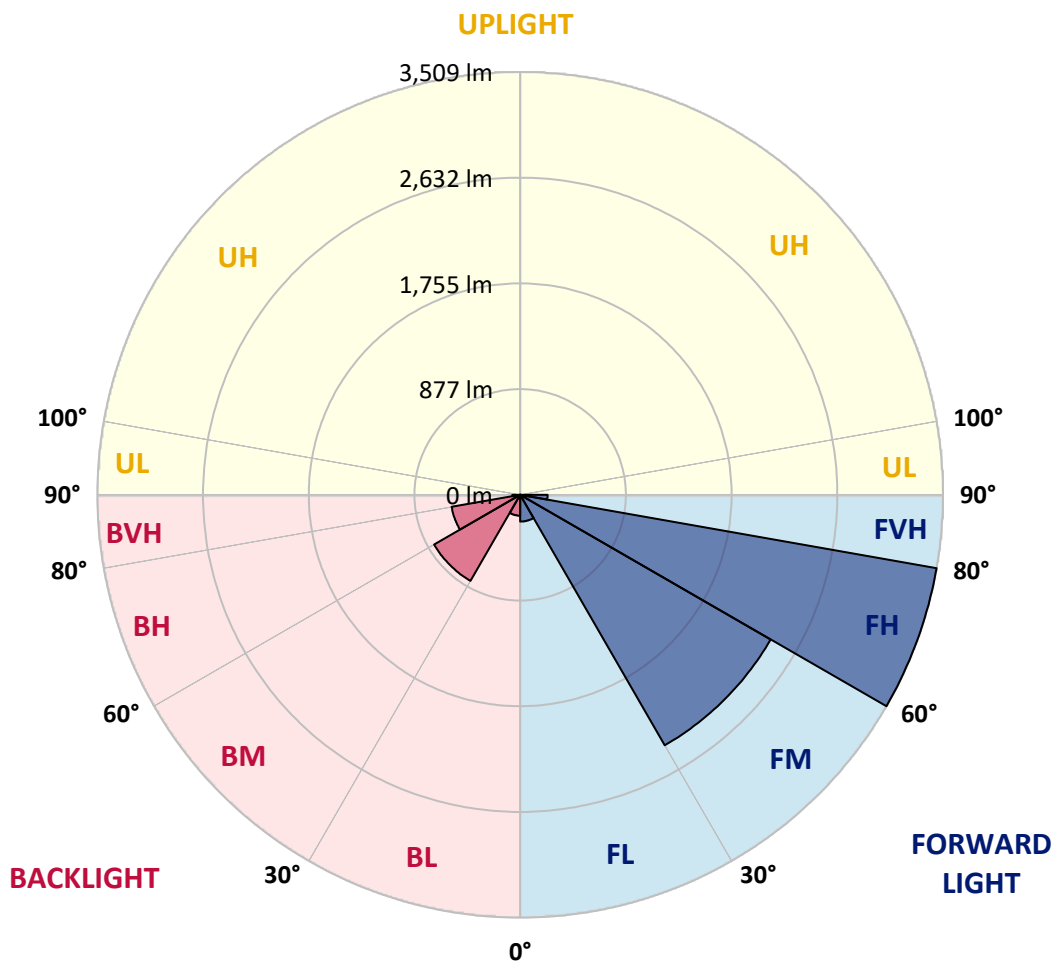
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.1	2.8			
FM	(30°-60°)	2400.4	30.0			
FH	(60°-80°)	3509.3	43.9			G2/5000
FVH	(80°-90°)	227.3	2.8			G3/500
BL	(0°-30°)	173.1	2.2	B1/500		
BM	(30°-60°)	824.6	10.3	B1/1000		
BH	(60°-80°)	577.6	7.2	B2/1000		G2/1000
BVH	(80°-90°)	65.4	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	4.3	4.3	4.3	4.3	4.3	3.5	3.5	2.6	3.5	3.5	3.5
5°	61.6	58.1	46.0	40.8	33.8	13.9	11.3	5.2	4.3	4.3	3.5
7.5°	183.1	181.3	178.7	172.7	164.8	103.2	89.4	32.1	6.1	4.3	3.5
10°	202.2	198.7	194.3	188.3	181.3	172.7	171.8	157.9	28.6	9.5	7.8
12.5°	397.4	390.4	326.2	236.0	195.2	184.8	184.8	178.7	129.3	45.1	105.9
15°	426.9	423.4	411.3	395.6	372.2	214.3	210.0	279.4	344.4	241.2	255.9
17.5°	479.8	472.0	434.7	415.6	398.2	432.1	429.5	400.0	377.4	267.2	287.2
20°	668.9	664.6	649.0	465.0	428.6	546.6	548.3	453.8	410.4	472.9	469.4
22.5°	684.6	683.7	672.4	644.6	679.4	573.5	574.4	603.0	599.5	627.3	569.2
25°	895.4	892.8	724.5	664.6	741.8	617.7	645.5	747.9	668.1	680.2	710.6
27.5°	918.8	917.1	907.5	865.9	767.8	851.1	851.1	773.1	851.1	891.1	896.3
30°	1044.6	1011.7	944.8	924.9	894.5	893.7	896.3	895.4	984.8	932.7	984.8
32.5°	1228.6	1221.6	1197.3	1003.0	994.3	937.0	966.5	1034.2	1028.1	1186.0	1253.7
35°	1494.1	1399.5	1313.6	1157.4	1032.5	1091.5	1095.8	1072.4	1197.3	1247.6	1343.1
37.5°	1864.5	1838.5	1717.0	1303.2	1150.5	1121.8	1124.4	1200.8	1272.8	1328.3	1435.1
40°	2134.4	2120.5	2036.3	1595.6	1261.5	1204.3	1210.3	1259.8	1326.6	1425.5	1536.6
42.5°	2392.9	2392.9	2343.5	1845.4	1500.1	1344.8	1340.5	1350.9	1398.6	1502.7	1686.7
45°	2561.2	2551.7	2593.3	2080.6	1678.0	1495.8	1479.3	1476.7	1494.1	1617.3	1888.0
47.5°	2730.4	2704.4	2744.3	2318.3	1910.5	1652.0	1653.7	1621.6	1645.0	1834.2	2163.0
50°	2909.1	2914.4	2909.1	2518.7	2138.7	1864.5	1849.8	1809.0	1855.9	2088.4	2471.0
52.5°	3164.2	3146.0	3094.8	2773.8	2430.2	2100.5	2077.1	2018.1	2128.3	2387.7	2856.2
55°	3349.9	3332.5	3318.7	3047.1	2654.1	2328.7	2314.8	2249.8	2456.2	2689.6	3253.6
57.5°	3552.1	3531.2	3571.1	3420.2	3005.5	2567.3	2549.1	2509.2	2792.9	3034.1	3657.9
60°	3688.3	3689.1	3798.5	3689.1	3298.7	2805.9	2788.5	2818.0	3100.9	3349.9	4094.3
62.5°	3688.3	3716.9	3957.2	3983.3	3612.8	3117.4	3087.0	3103.5	3435.8	3681.3	4452.7
65°	3338.6	3374.2	3934.7	4068.3	3927.7	3454.0	3439.3	3428.9	3752.5	3943.4	4733.8
67.5°	2982.0	3026.3	3592.8	4072.6	4185.4	3862.7	3808.9	3721.2	4025.8	4138.6	4884.7
70°	2734.8	2771.2	3221.5	3932.9	4352.0	4291.3	4255.7	4024.9	4208.8	4262.6	4714.7
72.5°	2333.0	2336.5	2737.4	3638.0	4463.9	4809.2	4726.0	4361.6	4312.1	4182.0	3998.0
75°	1454.1	1507.1	1819.4	2700.0	4155.1	5114.7	5099.0	4644.4	4164.6	3695.2	2772.1
77.5°	541.4	572.6	760.9	1386.5	2973.4	4665.2	4679.1	4337.3	3522.6	2677.5	1488.8
80°	176.1	189.1	251.6	446.8	1320.5	3320.4	3428.9	3076.6	2160.4	1360.4	627.3
82.5°	98.0	94.6	145.8	231.7	564.0	1720.5	1791.6	1479.3	1018.6	569.2	234.3
85°	45.1	46.9	69.4	125.8	301.1	479.8	518.0	505.8	386.1	234.3	85.9
87.5°	9.5	11.3	15.6	29.5	46.9	40.8	29.5	52.1	75.5	55.5	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.5	3.5	2.6	2.6	1.7	1.7	0.9	0.9	1.7	1.7	1.7
5°	3.5	3.5	2.6	2.6	2.6	2.6	3.5	6.1	6.9	7.8	6.9
7.5°	3.5	3.5	3.5	3.5	4.3	8.7	40.8	124.9	132.7	135.3	138.8
10°	7.8	6.9	6.9	7.8	26.9	131.0	157.9	166.6	170.9	173.5	172.7
12.5°	120.6	119.7	44.2	26.9	125.8	165.7	170.1	175.3	183.9	192.6	189.1
15°	255.1	254.2	234.3	242.9	244.7	180.5	183.9	301.1	321.0	334.0	338.4
17.5°	277.6	280.2	272.4	335.8	343.6	273.3	306.3	335.8	342.7	347.1	347.9
20°	515.4	463.3	396.5	375.7	366.1	451.2	341.8	345.3	446.0	478.1	481.5
22.5°	566.6	562.2	525.8	541.4	457.2	470.3	442.5	466.8	511.9	521.4	521.4
25°	731.4	723.6	600.4	564.0	580.4	483.3	558.8	508.4	524.9	542.3	544.0
27.5°	898.9	889.3	801.7	634.2	575.2	609.9	567.4	613.4	663.7	688.0	688.9
30°	976.9	963.9	836.4	714.9	598.7	596.9	596.1	678.5	674.1	689.8	694.1
32.5°	1298.0	1277.1	1068.9	702.8	621.2	567.4	632.5	660.3	759.2	807.8	813.0
35°	1376.1	1350.0	1074.1	777.4	586.5	584.8	586.5	677.6	731.4	766.1	773.9
37.5°	1465.4	1429.8	1062.0	728.8	600.4	544.9	557.9	611.7	728.8	806.9	813.0
40°	1576.5	1521.8	1058.5	680.2	559.6	515.4	512.8	584.8	636.8	684.6	688.9
42.5°	1730.0	1642.4	1053.3	629.9	511.9	479.8	484.1	515.4	557.0	552.7	559.6
45°	1933.9	1792.5	1044.6	585.6	463.3	435.5	432.9	455.5	474.6	446.8	439.0
47.5°	2189.0	1978.2	1058.5	543.1	418.2	392.2	393.0	402.6	406.0	375.7	368.7
50°	2478.8	2188.2	1073.3	496.3	381.8	361.8	357.5	360.9	355.7	326.2	323.6
52.5°	2824.1	2434.6	1081.1	452.0	352.3	336.6	331.4	328.8	321.0	301.1	298.5
55°	3224.1	2730.4	1097.5	416.5	328.0	313.2	310.6	307.1	304.5	293.3	291.5
57.5°	3633.6	3056.6	1088.0	380.0	304.5	291.5	296.7	302.8	309.7	305.4	304.5
60°	4009.3	3316.9	970.0	347.9	282.0	278.5	301.1	329.7	334.9	339.2	338.4
62.5°	4290.4	3447.9	769.6	320.2	266.4	279.4	334.0	373.9	368.7	357.5	354.9
65°	4389.3	3411.5	592.6	299.3	258.6	302.8	368.7	389.6	360.1	339.2	334.9
67.5°	4323.4	3231.9	459.0	282.0	254.2	322.8	380.9	374.8	341.0	325.4	319.3
70°	3985.9	2858.0	364.4	267.2	249.9	310.6	374.8	357.5	325.4	311.5	301.9
72.5°	3261.4	2260.2	312.3	250.7	231.7	285.4	355.7	334.0	311.5	293.3	284.6
75°	2109.2	1389.9	271.6	231.7	207.4	258.6	331.4	311.5	292.4	274.2	265.5
77.5°	1015.1	631.6	237.7	208.2	184.8	238.6	311.5	288.1	269.0	250.7	240.3
80°	427.7	298.5	203.0	184.8	168.3	223.8	289.8	262.9	241.2	228.2	216.9
82.5°	208.2	164.8	154.4	150.1	146.6	203.9	266.4	233.4	210.8	198.7	173.5
85°	70.3	71.1	95.4	92.8	103.2	163.1	217.8	177.0	157.9	137.1	128.4
87.5°	6.9	9.5	13.0	16.5	33.8	45.1	74.6	60.7	47.7	18.2	12.1
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)