

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: P415477

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415477  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5973 lumens  
Efficiency: N/A  
Efficacy: 110.6 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): 54  
Input Voltage (V): NR  
Input Current (Ain): 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

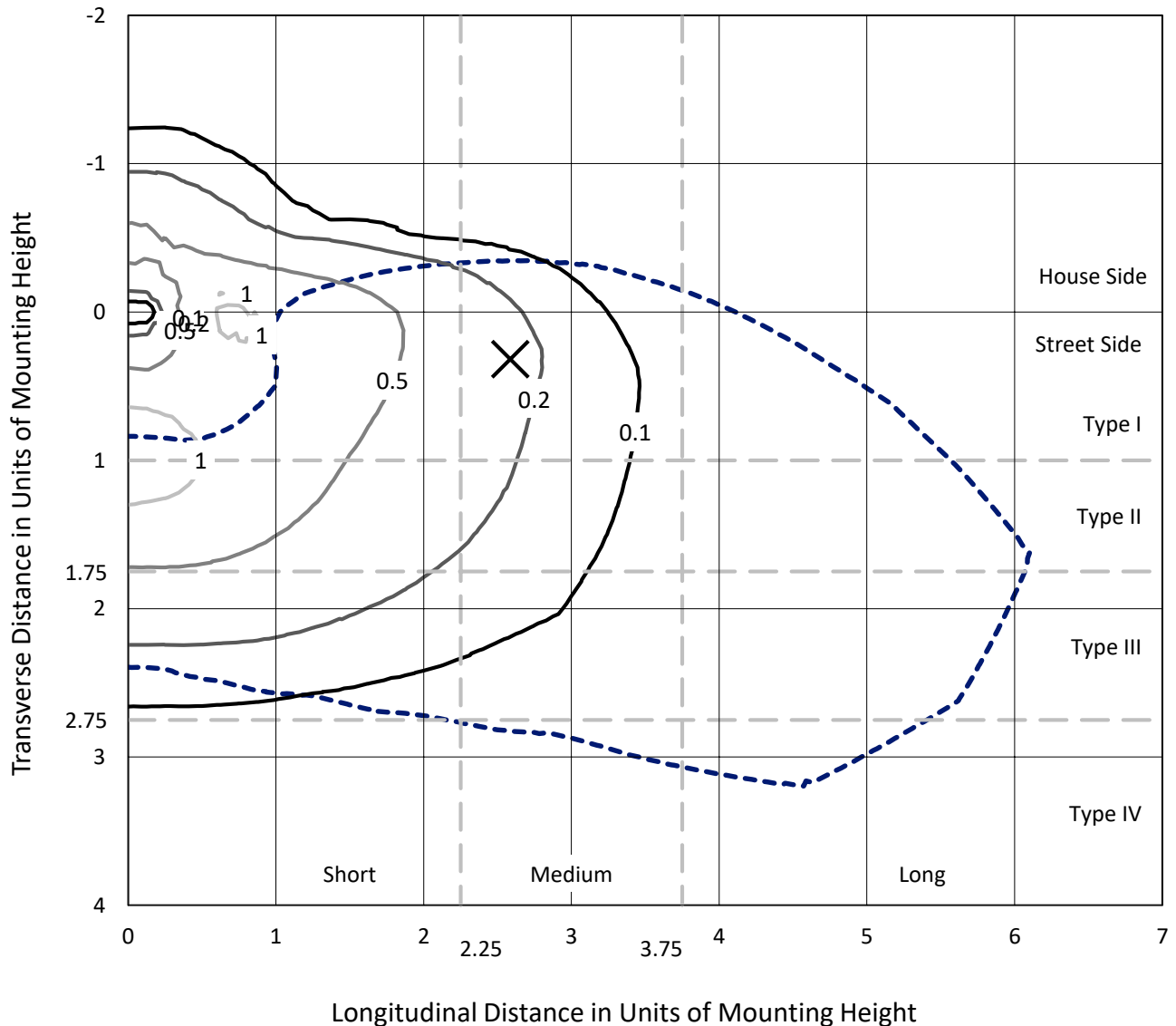


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

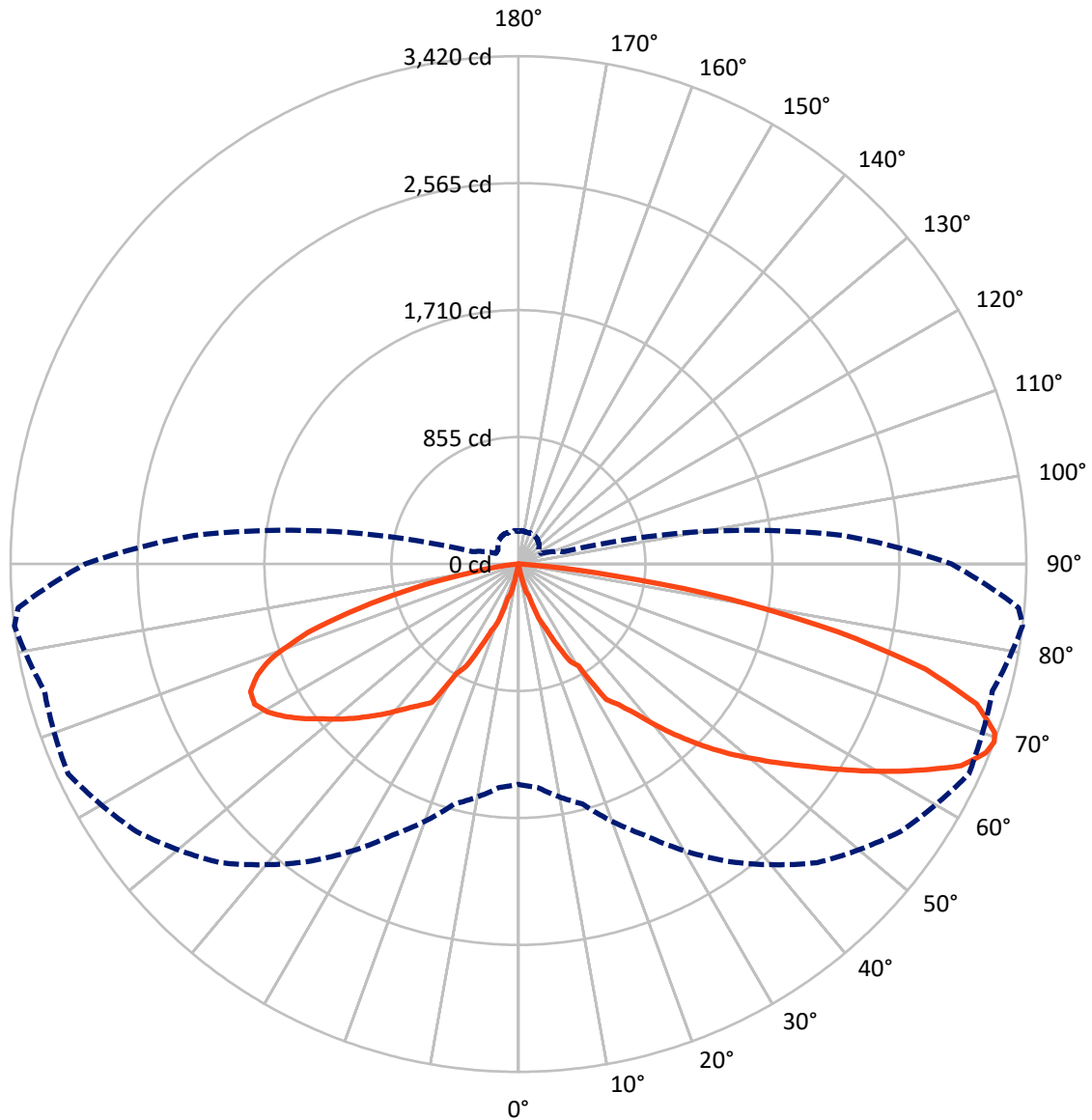


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1266.9	0.0	1266.9
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	4706.1	0.0	4706.1
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	5973.0	0.0	5973.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	60.7	1.0
20°-30°	239.5	4.0
30°-40°	533.0	8.9
40°-50°	905.1	15.2
50°-60°	1348.8	22.6
60°-70°	1588.5	26.6
70°-80°	1111.9	18.6
80°-90°	181.5	3.0
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°	5973.0	100.0
0°-180°	5973.0	100.0

**Coefficient of Utilization**



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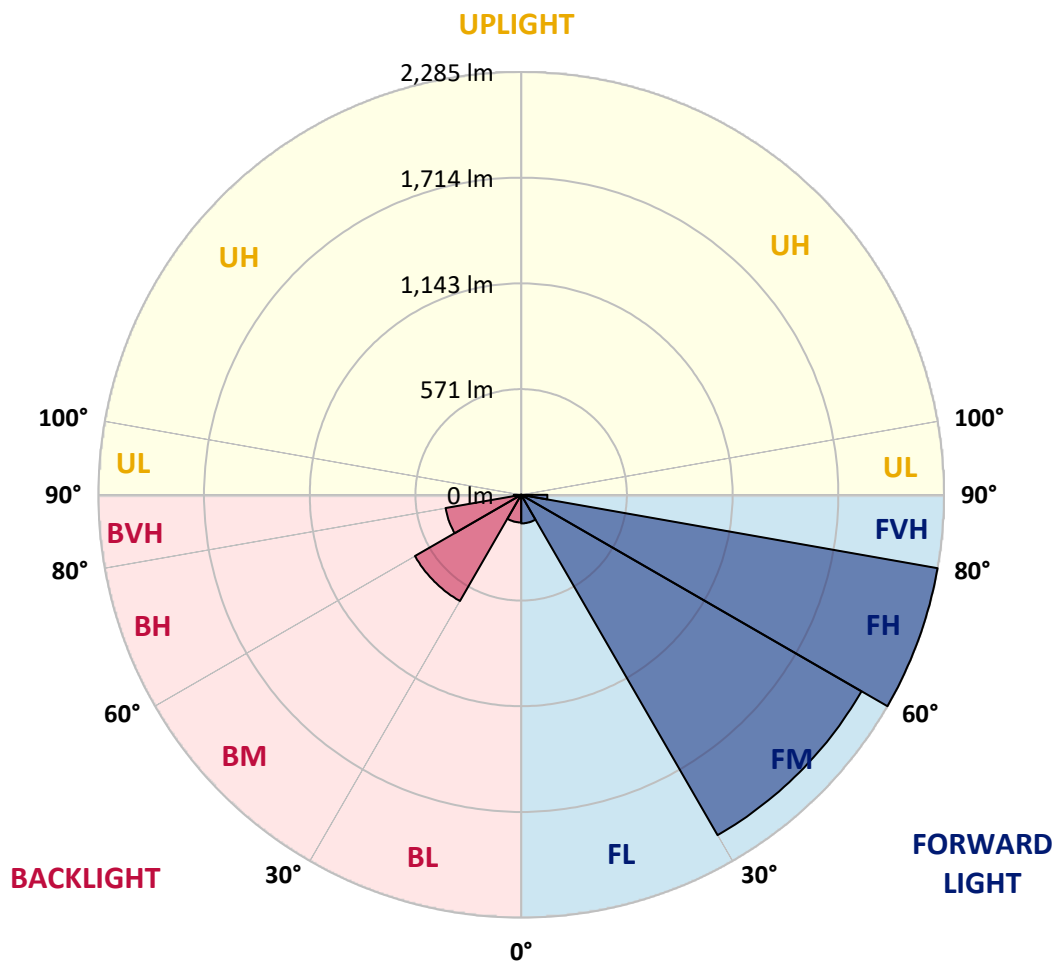
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	2.6			
FM (30°-60°)	2124.1	35.6			
FH (60°-80°)	2285.4	38.3			G2/5000
FVH (80°-90°)	141.9	2.4			G2/225
BL (0°-30°)	149.4	2.5	B1/500		
BM (30°-60°)	662.9	11.1	B1/1000		
BH (60°-80°)	414.9	6.9	B1/500		G1/500
BVH (80°-90°)	39.6	0.7			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°	55°	65°	75°	83°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.2	2.6	3.2	3.9	3.9	3.2	2.6	2.6	2.6	2.6	1.9
5°	52.1	37.9	34.1	30.2	18.0	6.4	3.9	2.6	2.6	2.6	2.6
7.5°	110.0	110.0	110.0	110.6	110.0	81.7	19.3	4.5	2.6	2.6	2.6
10°	111.2	110.6	110.0	110.6	111.9	112.5	108.7	15.4	6.4	5.8	5.8
12.5°	201.3	200.0	192.9	135.0	114.5	115.1	117.7	84.9	30.9	81.7	95.2
15°	213.5	212.2	212.2	212.8	201.9	125.4	176.8	231.5	164.6	196.8	200.0
17.5°	239.2	232.1	226.3	222.5	223.8	249.5	250.8	255.9	191.6	220.6	224.4
20°	366.5	364.0	343.4	263.0	245.6	324.1	288.7	284.2	358.8	389.7	396.1
22.5°	418.6	416.0	401.2	387.1	403.8	353.0	410.9	423.8	486.1	467.5	473.3
25°	568.4	566.5	484.2	448.2	492.6	405.7	507.3	485.5	536.9	598.7	605.1
27.5°	695.8	691.3	674.5	604.4	549.8	608.3	561.4	648.8	729.2	739.5	758.8
30°	826.3	796.7	745.3	747.8	677.1	670.7	668.7	778.7	781.3	797.4	830.1
32.5°	1039.8	1026.3	983.2	850.1	834.6	745.3	823.1	830.1	1020.5	1087.4	1093.8
35°	1210.8	1152.9	1112.4	1037.2	920.2	949.1	917.0	1044.3	1119.5	1162.6	1189.0
37.5°	1483.5	1491.2	1424.9	1151.0	1077.7	1044.3	1100.2	1169.0	1262.9	1273.2	1313.1
40°	1679.6	1674.4	1585.1	1383.1	1219.2	1185.1	1222.4	1289.9	1417.2	1430.1	1439.7
42.5°	1965.1	1940.0	1815.3	1588.3	1436.5	1364.5	1374.8	1403.1	1530.4	1587.6	1576.1
45°	2229.4	2212.6	2086.6	1806.9	1642.3	1558.0	1542.6	1517.5	1670.6	1747.1	1725.9
47.5°	2436.4	2406.8	2334.8	2050.0	1923.3	1779.9	1702.7	1657.1	1809.5	1907.2	1877.6
50°	2658.3	2613.3	2548.3	2291.1	2166.3	2038.4	1868.6	1811.4	1965.7	2062.8	2039.0
52.5°	2805.5	2735.4	2694.9	2505.9	2390.8	2278.9	2030.0	1991.4	2137.4	2230.7	2225.5
55°	2731.6	2729.0	2770.1	2650.5	2538.7	2420.3	2197.9	2195.9	2316.8	2412.6	2417.1
57.5°	2603.0	2616.5	2733.5	2751.5	2703.9	2565.0	2405.6	2424.8	2527.7	2616.5	2626.1
60°	2439.0	2476.3	2644.8	2739.9	2777.9	2709.1	2605.5	2635.1	2757.9	2834.5	2831.9
62.5°	2222.3	2252.5	2462.1	2677.6	2754.7	2819.7	2790.1	2885.3	2982.3	3054.4	3073.0
65°	1966.4	1978.6	2205.6	2496.2	2695.6	2876.2	2944.4	3117.4	3164.3	3274.9	3278.8
67.5°	1682.8	1686.7	1884.1	2230.7	2567.0	2871.7	3075.6	3289.1	3276.9	3394.5	3385.5
69°	1483.5	1511.1	1673.2	2014.6	2442.2	2844.1	3140.5	3345.7	3304.5	3419.6	3380.4
70°	1343.3	1341.3	1526.5	1831.3	2332.3	2808.7	3181.7	3360.4	3305.1	3402.2	3343.1
72.5°	855.9	868.7	1028.8	1299.6	1879.6	2604.2	3232.5	3321.2	3234.4	3224.8	3098.1
75°	378.1	343.4	443.7	688.0	1181.9	2025.5	3110.3	3144.4	3033.1	2834.5	2617.1
77.5°	132.5	137.6	167.2	279.7	569.1	1207.0	2577.9	2766.3	2678.8	2201.1	1958.7
80°	94.5	95.2	111.9	156.3	275.9	425.7	1641.0	2001.1	2061.5	1451.3	1247.5
82.5°	66.9	66.9	83.0	99.7	191.0	190.3	706.0	1100.9	1176.1	643.7	481.6
85°	55.9	57.2	63.7	57.9	111.9	97.1	174.3	339.5	278.4	78.4	68.8
87.5°	8.4	7.7	21.9	19.3	16.7	14.1	19.3	21.9	14.8	11.6	8.4
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	2.6	2.6	2.6	2.6	1.9	1.3	1.3	1.3	1.9	1.9	1.9
5°	2.6	2.6	2.6	2.6	2.6	2.6	3.2	4.5	5.1	5.8	5.8
7.5°	2.6	2.6	2.6	3.2	3.9	5.8	31.5	109.3	119.6	124.7	128.0
10°	5.1	5.8	5.8	5.8	14.1	120.9	144.0	149.2	154.3	156.9	156.3
12.5°	99.7	102.9	25.7	18.6	112.5	151.1	155.6	160.8	165.9	169.8	169.1
15°	205.1	210.3	201.9	209.0	221.8	164.0	167.8	284.2	308.0	312.5	313.2
17.5°	228.9	232.8	236.6	308.0	315.7	243.1	290.6	311.9	314.4	315.7	316.4
20°	436.0	434.0	351.1	337.6	334.4	421.8	308.7	314.4	376.2	428.3	430.8
22.5°	481.0	486.8	463.6	495.8	439.2	427.0	389.0	416.7	439.8	439.2	437.3
25°	623.7	631.5	531.8	515.7	526.6	424.4	485.5	416.0	422.5	423.1	427.0
27.5°	780.0	781.9	738.2	580.7	518.3	525.4	457.2	443.0	495.1	498.3	498.3
30°	849.4	861.7	780.0	672.6	536.9	496.4	443.0	482.9	459.8	463.6	463.6
32.5°	1128.5	1118.9	1018.6	666.2	556.2	456.5	463.0	447.5	495.8	508.6	509.9
35°	1201.8	1181.9	1024.3	744.6	518.9	466.2	423.1	454.6	454.6	454.0	450.8
37.5°	1292.5	1257.8	1012.1	689.3	522.1	425.7	408.3	409.0	446.3	454.6	448.8
40°	1399.9	1347.8	1010.2	643.7	473.3	403.2	374.9	393.5	392.9	382.0	375.5
42.5°	1516.3	1447.4	1005.7	589.7	425.0	378.1	353.7	347.9	351.1	331.2	329.2
45°	1652.6	1550.3	992.8	542.1	386.5	351.1	323.4	314.4	315.7	300.3	296.4
47.5°	1797.3	1656.4	989.6	504.8	354.3	324.1	301.6	290.0	294.5	277.1	273.3
50°	1958.7	1765.7	978.7	470.1	318.9	299.0	282.3	268.8	269.4	255.9	252.7
52.5°	2134.2	1871.8	966.5	422.5	286.8	277.8	268.1	257.9	269.4	251.4	247.6
55°	2314.2	2001.1	950.4	367.2	257.9	261.7	252.1	259.8	276.5	248.2	243.1
57.5°	2514.2	2122.6	920.2	306.7	234.7	243.7	250.1	260.4	273.9	247.6	237.9
60°	2703.9	2239.7	848.1	259.1	214.8	228.9	246.3	256.6	255.3	243.1	236.6
62.5°	2896.8	2336.1	715.0	222.5	198.1	221.8	240.5	245.0	239.2	234.7	230.8
65°	3002.9	2359.9	554.3	198.1	184.5	212.2	233.4	237.3	228.9	228.9	225.7
67.5°	2985.6	2283.4	409.0	178.1	173.0	202.6	221.2	230.2	224.4	228.9	223.8
69°	2916.1	2195.9	321.5	167.8	167.2	194.8	214.1	224.4	219.9	226.3	219.9
70°	2834.5	2107.8	284.2	162.0	161.4	189.0	209.6	219.9	214.8	219.9	214.1
72.5°	2521.3	1808.8	203.8	146.0	147.9	177.5	198.7	206.4	201.9	203.2	195.5
75°	2015.9	1344.6	161.4	132.5	134.4	164.0	186.5	191.0	187.8	182.0	177.5
77.5°	1417.2	866.8	132.5	120.2	120.9	147.9	173.6	173.0	167.8	162.0	156.3
80°	772.9	407.7	112.5	105.5	107.4	131.8	155.0	153.0	146.6	140.8	133.7
82.5°	334.4	164.6	87.5	84.2	90.0	110.6	133.1	128.0	122.2	124.7	97.1
85°	59.8	56.6	50.8	54.0	61.1	78.4	93.9	89.4	86.2	73.3	67.5
87.5°	5.1	7.7	7.7	9.6	13.5	14.8	26.4	19.3	19.9	7.7	3.9
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)