

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: P416153

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416153  
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-PA1-60-830-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6021 lumens  
Efficiency: N/A  
Efficacy: 94.1 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

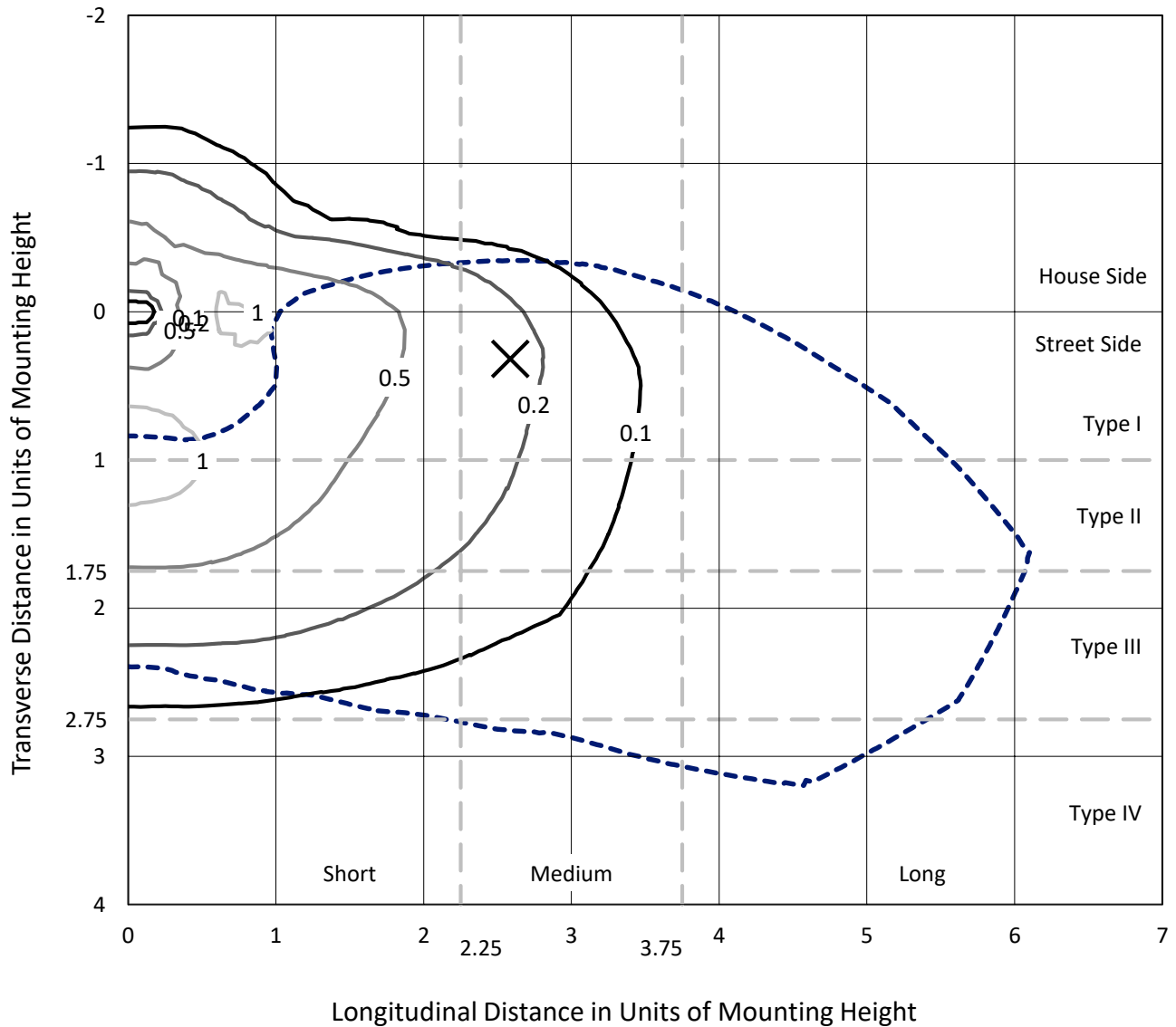
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

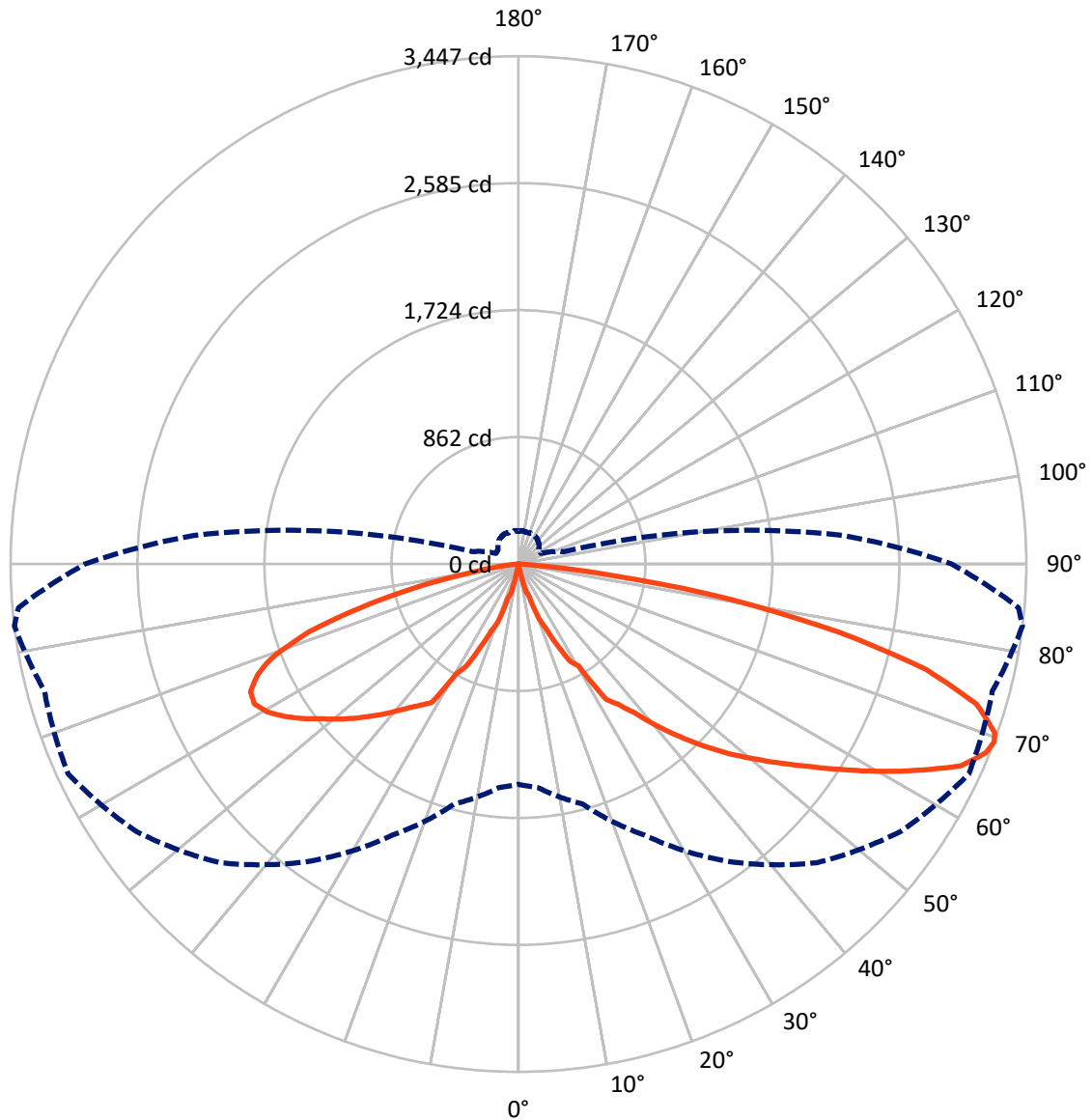


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Medium - Non-Cutoff

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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	1277.1	0.0	1277.1
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	4743.9	0.0	4743.9
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	6021.0	0.0	6021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	61.2	1.0
20°-30°	241.5	4.0
30°-40°	537.3	8.9
40°-50°	912.4	15.2
50°-60°	1359.7	22.6
60°-70°	1601.3	26.6
70°-80°	1120.8	18.6
80°-90°	183.0	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°	6021.0	100.0
0°-180°	6021.0	100.0

**Coefficient of Utilization**



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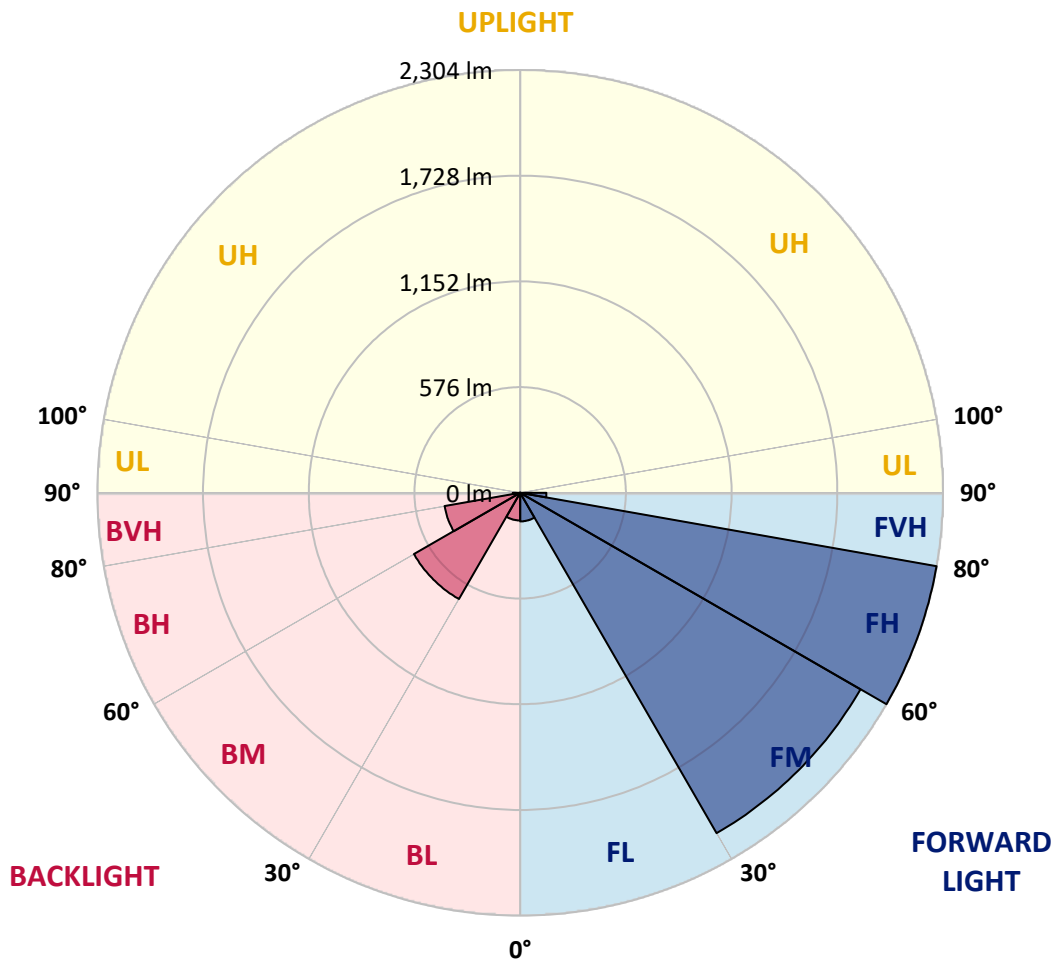
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.9	2.6			
FM (30°-60°)	2141.2	35.6			
FH (60°-80°)	2303.8	38.3			G2/5000
FVH (80°-90°)	143.0	2.4			G2/225
BL (0°-30°)	150.6	2.5	B1/500		
BM (30°-60°)	668.2	11.1	B1/1000		
BH (60°-80°)	418.3	6.9	B1/500		G1/500
BVH (80°-90°)	39.9	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°	52.5	38.2	34.4	30.5	18.1	6.5	3.9	2.6	2.6	2.6	2.6
7.5°	110.8	110.8	110.8	111.5	110.8	82.3	19.4	4.5	2.6	2.6	2.6
10°	112.1	111.5	110.8	111.5	112.8	113.4	109.5	15.6	6.5	5.8	5.8
12.5°	202.9	201.6	194.5	136.1	115.4	116.0	118.6	85.6	31.1	82.3	95.9
15°	215.2	213.9	213.9	214.6	203.5	126.4	178.3	233.3	165.9	198.3	201.6
17.5°	241.1	234.0	228.2	224.3	225.6	251.5	252.8	258.0	193.2	222.3	226.2
20°	369.5	366.9	346.1	265.1	247.6	326.7	291.0	286.5	361.7	392.8	399.3
22.5°	422.0	419.4	404.5	390.2	407.1	355.9	414.2	427.2	490.0	471.2	477.1
25°	573.0	571.1	488.1	451.8	496.5	409.0	511.4	489.4	541.2	603.5	609.9
27.5°	701.3	696.8	680.0	609.3	554.2	613.2	565.9	654.0	735.0	745.4	764.9
30°	832.9	803.1	751.3	753.8	682.5	676.1	674.1	785.0	787.6	803.8	836.8
32.5°	1048.1	1034.5	991.1	856.9	841.4	751.3	829.7	836.8	1028.7	1096.1	1102.6
35°	1220.5	1162.2	1121.4	1045.5	927.6	956.7	924.3	1052.7	1128.5	1171.9	1198.5
37.5°	1495.4	1503.2	1436.4	1160.3	1086.4	1052.7	1109.1	1178.4	1273.0	1283.4	1323.6
40°	1693.1	1687.9	1597.8	1394.3	1229.0	1194.6	1232.2	1300.3	1428.6	1441.6	1451.3
42.5°	1980.9	1955.6	1829.8	1601.0	1448.1	1375.5	1385.8	1414.4	1542.7	1600.4	1588.7
45°	2247.3	2230.4	2103.4	1821.4	1655.5	1570.6	1555.0	1529.7	1684.0	1761.1	1739.7
47.5°	2456.0	2426.2	2353.6	2066.4	1938.7	1794.2	1716.4	1670.4	1824.0	1922.5	1892.7
50°	2679.6	2634.3	2568.8	2309.5	2183.8	2054.8	1883.6	1826.0	1981.5	2079.4	2055.4
52.5°	2828.1	2757.4	2716.6	2526.0	2410.0	2297.2	2046.3	2007.5	2154.6	2248.6	2243.4
55°	2753.5	2750.9	2792.4	2671.8	2559.1	2439.8	2215.5	2213.6	2335.4	2432.0	2436.6
57.5°	2623.9	2637.5	2755.5	2773.6	2725.6	2585.6	2424.9	2444.3	2548.0	2637.5	2647.2
60°	2458.6	2496.2	2666.0	2761.9	2800.2	2730.8	2626.5	2656.3	2780.1	2857.2	2854.6
62.5°	2240.2	2270.6	2481.9	2699.1	2776.9	2842.3	2812.5	2908.4	3006.3	3078.9	3097.7
65°	1982.2	1994.5	2223.3	2516.3	2717.2	2899.4	2968.1	3142.4	3189.8	3301.2	3305.1
67.5°	1696.3	1700.2	1899.2	2248.6	2587.6	2894.8	3100.3	3315.5	3303.2	3421.8	3412.7
69°	1495.4	1523.3	1686.6	2030.8	2461.8	2867.0	3165.8	3372.5	3331.1	3447.1	3407.5
70°	1354.1	1352.1	1538.8	1846.1	2351.0	2831.3	3207.3	3387.5	3331.7	3429.6	3370.0
72.5°	862.7	875.7	1037.1	1310.0	1894.7	2625.2	3258.5	3347.9	3260.4	3250.7	3123.0
75°	381.1	346.1	447.3	693.6	1191.4	2041.8	3135.3	3169.7	3057.5	2857.2	2638.1
77.5°	133.5	138.7	168.5	282.0	573.6	1216.7	2598.6	2788.5	2700.4	2218.8	1974.4
80°	95.3	95.9	112.8	157.5	278.1	429.1	1654.2	2017.2	2078.1	1463.0	1257.5
82.5°	67.4	67.4	83.6	100.5	192.5	191.9	711.7	1109.7	1185.5	648.8	485.5
85°	56.4	57.7	64.2	58.3	112.8	97.9	175.7	342.2	280.7	79.1	69.4
87.5°	8.4	7.8	22.0	19.4	16.9	14.3	19.4	22.0	14.9	11.7	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	5.2	5.8	5.8
7.5°	2.6	2.6	2.6	3.2	3.9	5.8	31.8	110.2	120.6	125.7	129.0
10°	5.2	5.8	5.8	5.8	14.3	121.9	145.2	150.4	155.6	158.2	157.5
12.5°	100.5	103.7	25.9	18.8	113.4	152.3	156.9	162.0	167.2	171.1	170.5
15°	206.8	212.0	203.5	210.7	223.6	165.3	169.2	286.5	310.5	315.0	315.7
17.5°	230.8	234.6	238.5	310.5	318.3	245.0	293.0	314.4	317.0	318.3	318.9
20°	439.5	437.5	353.9	340.3	337.1	425.2	311.1	317.0	379.2	431.7	434.3
22.5°	484.8	490.7	467.3	499.8	442.7	430.4	392.2	420.0	443.4	442.7	440.8
25°	628.7	636.5	536.1	519.9	530.9	427.8	489.4	419.4	425.9	426.5	430.4
27.5°	786.3	788.2	744.1	585.3	522.4	529.6	460.9	446.6	499.1	502.3	502.3
30°	856.3	868.6	786.3	678.0	541.2	500.4	446.6	486.8	463.5	467.3	467.3
32.5°	1137.6	1127.9	1026.7	671.5	560.7	460.2	466.7	451.1	499.8	512.7	514.0
35°	1211.5	1191.4	1032.6	750.6	523.1	469.9	426.5	458.3	458.3	457.6	454.4
37.5°	1302.9	1267.9	1020.3	694.9	526.3	429.1	411.6	412.3	449.8	458.3	452.4
40°	1411.1	1358.6	1018.3	648.8	477.1	406.4	377.9	396.7	396.0	385.0	378.5
42.5°	1528.4	1459.1	1013.8	594.4	428.5	381.1	356.5	350.7	353.9	333.8	331.9
45°	1665.9	1562.8	1000.8	546.4	389.6	353.9	326.0	317.0	318.3	302.7	298.8
47.5°	1811.7	1669.7	997.6	508.8	357.2	326.7	304.0	292.3	296.9	279.4	275.5
50°	1974.4	1779.9	986.5	473.8	321.5	301.4	284.6	270.9	271.6	258.0	254.7
52.5°	2151.3	1886.9	974.2	425.9	289.1	280.0	270.3	259.9	271.6	253.4	249.6
55°	2332.8	2017.2	958.0	370.1	259.9	263.8	254.1	261.9	278.7	250.2	245.0
57.5°	2534.4	2139.7	927.6	309.2	236.6	245.7	252.1	262.5	276.1	249.6	239.8
60°	2725.6	2257.7	855.0	261.2	216.5	230.8	248.3	258.6	257.3	245.0	238.5
62.5°	2920.1	2354.9	720.8	224.3	199.6	223.6	242.4	247.0	241.1	236.6	232.7
65°	3027.1	2378.9	558.7	199.6	186.0	213.9	235.3	239.2	230.8	230.8	227.5
67.5°	3009.6	2301.7	412.3	179.5	174.4	204.2	223.0	232.1	226.2	230.8	225.6
69°	2939.6	2213.6	324.1	169.2	168.5	196.4	215.8	226.2	221.7	228.2	221.7
70°	2857.2	2124.8	286.5	163.3	162.7	190.6	211.3	221.7	216.5	221.7	215.8
72.5°	2541.6	1823.4	205.5	147.1	149.1	178.9	200.3	208.1	203.5	204.8	197.1
75°	2032.1	1355.4	162.7	133.5	135.5	165.3	188.0	192.5	189.3	183.4	178.9
77.5°	1428.6	873.8	133.5	121.2	121.9	149.1	175.0	174.4	169.2	163.3	157.5
80°	779.1	411.0	113.4	106.3	108.2	132.9	156.2	154.3	147.8	142.0	134.8
82.5°	337.1	165.9	88.2	84.9	90.7	111.5	134.2	129.0	123.2	125.7	97.9
85°	60.3	57.0	51.2	54.4	61.6	79.1	94.6	90.1	86.9	73.9	68.1
87.5°	5.2	7.8	7.8	9.7	13.6	14.9	26.6	19.4	20.1	7.8	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)