

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: P415728

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415728  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-830-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5211 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

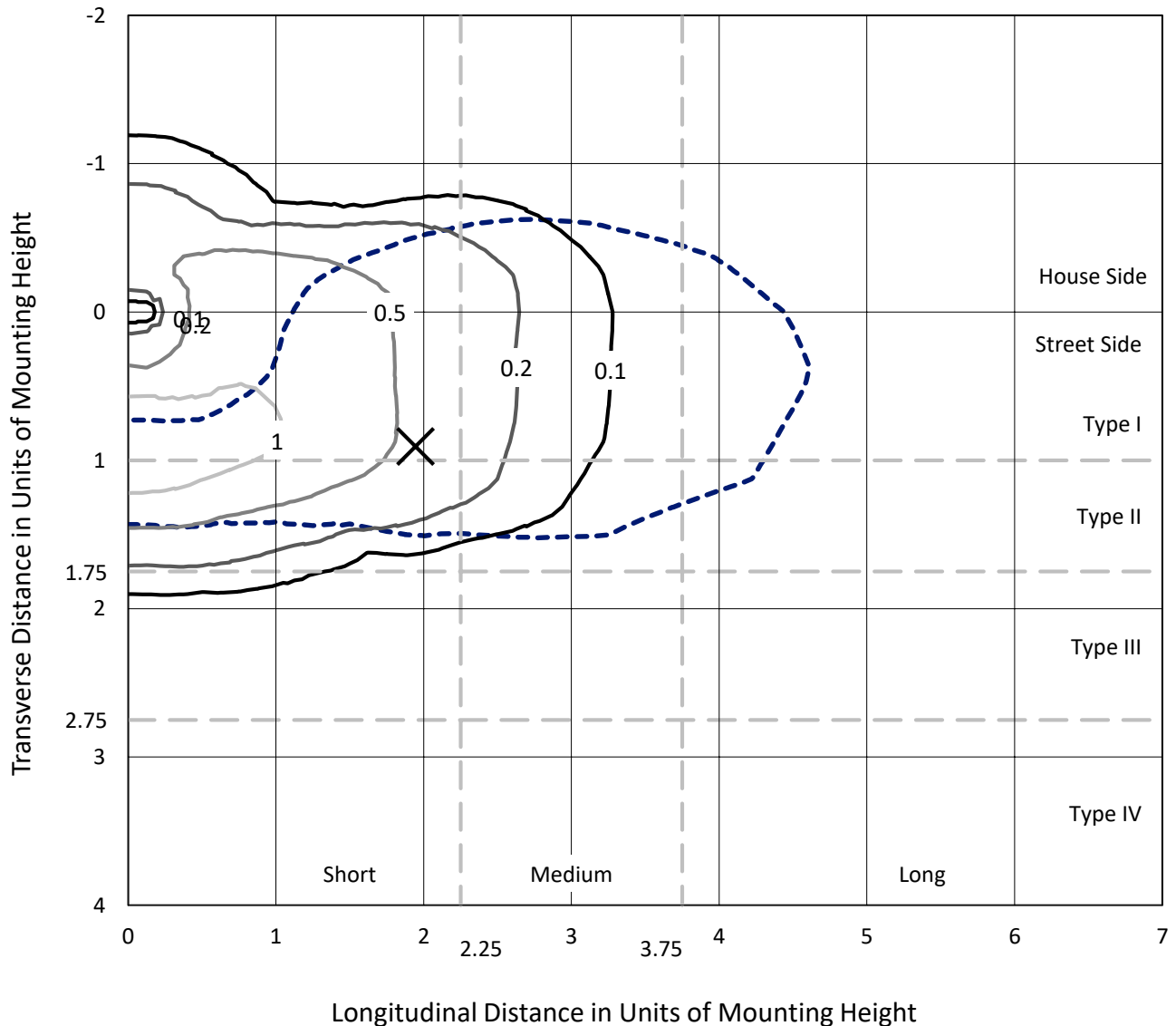
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

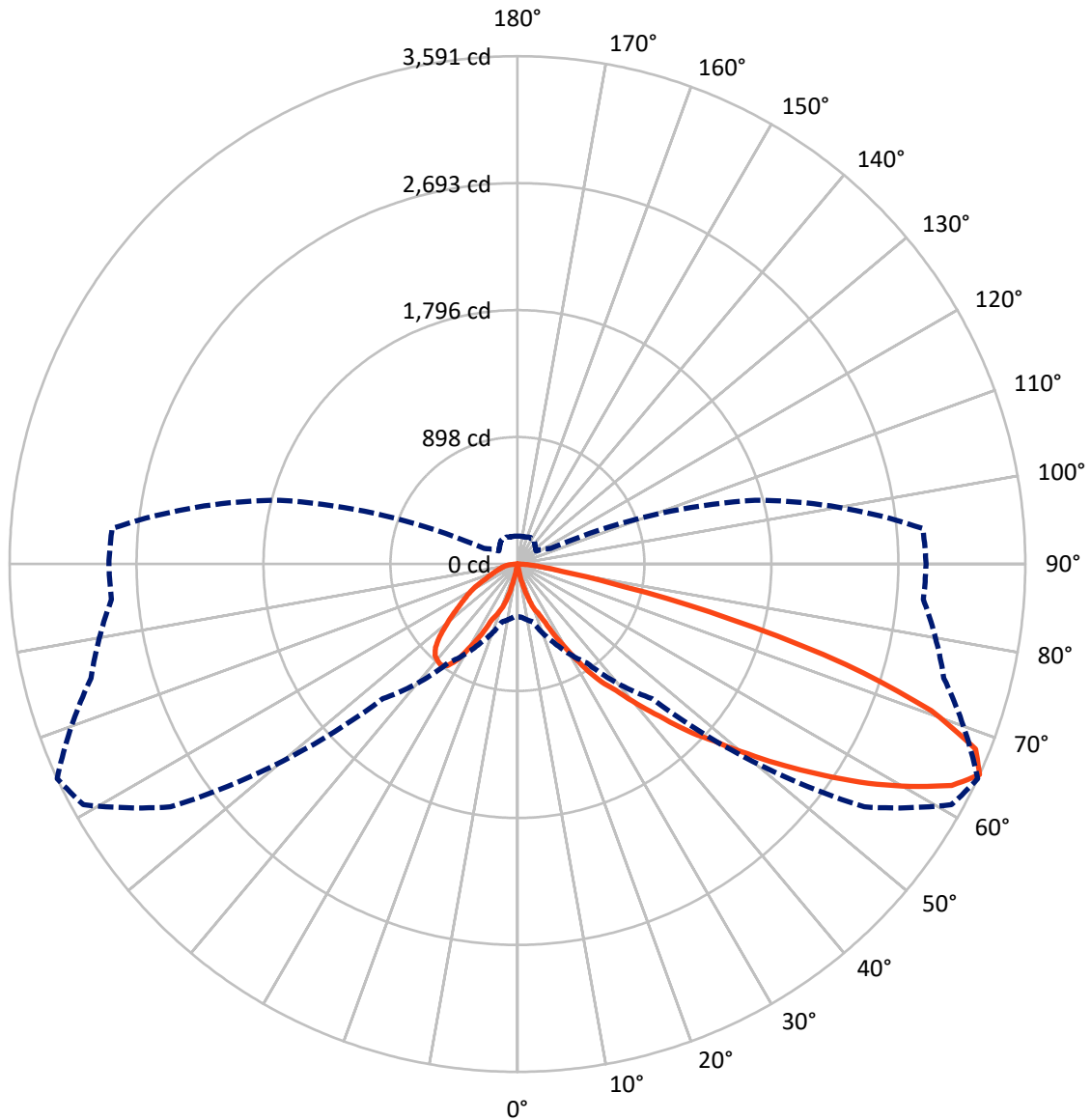
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1406.1	0.0	1406.1
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	3804.9	0.0	3804.9
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	5211.0	0.0	5211.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	57.6	1.1
20°-30°	221.6	4.3
30°-40°	554.7	10.6
40°-50°	1032.8	19.8
50°-60°	1352.4	26.0
60°-70°	1212.4	23.3
70°-80°	666.9	12.8
80°-90°	109.0	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°	5211.0	100.0
0°-180°	5211.0	100.0



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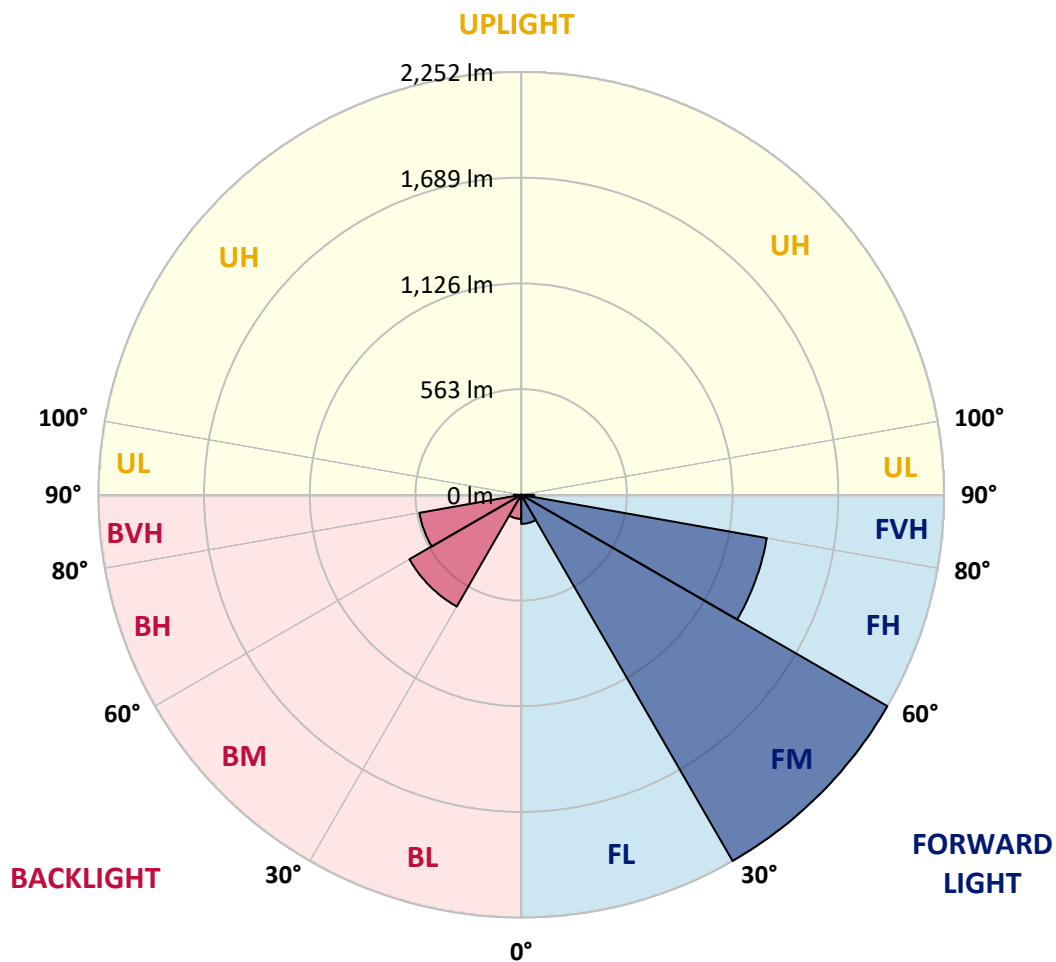
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.9	3.0			
FM (30°-60°)	2252.3	43.2			
FH (60°-80°)	1328.6	25.5			G1/1800
FVH (80°-90°)	69.1	1.3			G1/100
BL (0°-30°)	128.1	2.5	B1/500		
BM (30°-60°)	687.5	13.2	B1/1000		
BH (60°-80°)	550.6	10.6	B2/1000		G2/1000
BVH (80°-90°)	39.8	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	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°	2.8	2.8	3.4	3.9	3.9	3.4	2.8	2.2	1.7	1.1	1.1
5°	25.8	23.0	18.0	12.3	7.3	5.6	4.5	3.4	2.8	1.7	1.1
7.5°	126.2	125.7	125.1	125.7	122.9	48.3	9.0	5.6	4.5	2.2	1.7
10°	126.8	126.2	125.7	126.8	126.8	125.1	119.0	17.4	9.0	5.6	5.6
12.5°	225.6	217.7	150.4	132.4	127.9	127.9	127.9	114.5	108.9	80.2	97.1
15°	236.8	235.1	234.5	235.7	208.7	138.0	193.0	181.8	184.0	157.1	186.3
17.5°	249.1	246.3	244.1	244.6	235.1	271.0	253.6	259.2	261.5	198.6	217.7
20°	386.0	386.0	356.9	270.4	296.8	340.0	280.5	308.0	341.1	296.8	304.7
22.5°	438.2	434.3	430.4	407.9	373.1	370.9	407.9	357.4	379.3	436.0	402.9
25°	595.9	597.0	500.5	470.8	521.3	454.5	487.0	484.2	458.4	528.6	510.6
27.5°	754.1	756.4	745.7	663.8	595.9	584.7	554.4	597.6	590.8	586.3	628.4
30°	901.7	901.1	852.9	818.6	782.2	717.1	683.4	692.4	719.3	694.6	783.9
32.5°	1254.6	1245.1	1193.5	976.3	920.2	859.0	849.5	824.2	878.1	860.7	943.2
35°	1489.7	1487.5	1393.8	1271.4	1094.1	1026.2	1027.4	980.2	1024.6	1047.0	1059.9
37.5°	2014.9	2007.0	1864.5	1506.0	1366.3	1226.6	1200.7	1178.3	1132.3	1197.4	1196.8
40°	2297.7	2275.2	2149.6	1913.3	1604.2	1435.8	1382.0	1333.7	1300.6	1338.8	1333.7
42.5°	2517.6	2500.2	2411.6	2167.0	1914.5	1783.7	1582.9	1536.8	1470.1	1515.5	1492.0
45°	2675.3	2666.3	2587.2	2405.4	2211.8	2115.9	1809.5	1737.7	1679.9	1673.7	1659.7
47.5°	2705.6	2686.5	2663.0	2560.8	2478.4	2449.7	2090.1	1966.1	1870.7	1852.7	1829.2
50°	2562.5	2556.9	2587.8	2569.3	2669.7	2736.5	2413.8	2242.1	2108.6	2045.2	1999.7
52.5°	2230.9	2242.7	2361.1	2443.6	2693.8	2936.2	2717.9	2551.9	2369.5	2229.8	2168.6
55°	1772.5	1815.1	1990.8	2162.5	2542.9	3022.6	3006.4	2875.6	2640.5	2436.3	2345.9
57.5°	1361.2	1356.7	1582.9	1738.8	2236.5	2964.8	3193.8	3156.7	2925.6	2650.6	2515.4
60°	882.0	878.1	1145.2	1344.9	1723.7	2668.6	3290.8	3387.9	3193.2	2835.8	2668.0
62.5°	575.7	599.8	701.4	985.3	1231.0	2063.7	3258.3	3531.5	3447.9	3007.5	2814.5
65°	370.3	379.3	423.6	613.8	853.4	1346.1	2994.6	3510.2	3591.0	3121.9	2881.2
67.5°	276.1	278.3	299.6	381.5	580.7	703.6	2350.4	3214.0	3493.9	3129.8	2859.3
70°	242.4	246.9	267.6	287.8	432.0	442.7	1374.1	2583.8	3104.5	3017.0	2748.8
72.5°	207.0	211.5	239.0	268.2	330.5	332.2	514.0	1717.0	2430.7	2788.1	2571.5
75°	168.9	171.7	195.8	235.1	275.5	266.5	297.4	776.0	1555.9	2317.3	2293.8
77.5°	136.3	138.6	156.0	187.4	244.1	204.2	221.6	332.7	773.2	1673.2	1858.3
80°	98.8	99.9	116.7	143.6	183.5	182.4	165.5	211.0	319.3	977.4	1230.5
82.5°	62.8	62.8	80.2	94.3	121.8	180.1	116.1	142.0	178.4	486.5	592.0
85°	35.3	36.5	50.5	55.0	71.3	109.4	83.6	78.6	96.5	176.2	145.9
87.5°	6.7	8.4	14.6	15.7	18.5	25.8	30.3	27.5	28.6	41.0	24.1
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°	1.1	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.7
5°	1.1	1.7	2.2	2.2	2.8	3.9	4.5	4.5	5.0	5.6	5.0
7.5°	1.1	1.7	2.2	3.4	4.5	9.0	32.5	115.0	123.4	125.1	127.4
10°	5.0	5.0	5.6	6.2	25.2	120.6	129.6	130.7	131.9	132.4	133.0
12.5°	98.8	97.6	97.1	74.6	115.0	133.0	134.7	135.8	137.5	163.8	177.3
15°	188.5	189.1	179.6	172.3	200.3	145.9	155.4	240.1	248.6	251.4	253.1
17.5°	216.0	225.6	200.3	266.0	263.7	222.2	244.6	257.5	258.7	260.3	260.9
20°	306.9	304.7	291.8	333.3	285.6	365.3	303.0	260.9	328.2	361.3	361.9
22.5°	398.4	398.9	380.4	384.9	410.7	375.9	303.6	344.5	352.9	352.4	350.7
25°	513.4	508.9	499.9	428.1	484.8	409.0	404.0	333.9	335.0	361.9	379.3
27.5°	627.9	616.6	581.3	554.9	503.3	455.0	381.5	361.3	389.4	387.7	388.3
30°	786.1	768.7	671.1	667.7	534.2	450.6	388.3	359.7	350.1	352.4	351.2
32.5°	944.3	912.9	824.8	796.2	569.5	419.7	356.3	332.2	359.7	363.6	361.3
35°	1042.0	1016.1	985.8	871.9	573.4	386.6	322.6	328.2	326.6	324.9	326.0
37.5°	1155.9	1113.8	1087.4	897.8	540.9	345.1	307.5	303.0	329.9	330.5	328.2
40°	1283.2	1235.5	1176.6	886.0	466.8	312.5	285.6	300.2	301.9	295.1	293.5
42.5°	1426.9	1357.3	1269.8	870.3	387.2	293.5	277.2	278.9	280.0	272.7	269.9
45°	1571.6	1490.3	1349.4	826.5	329.4	274.4	264.3	263.7	258.1	251.4	249.7
47.5°	1733.8	1638.4	1415.1	750.2	288.4	259.8	255.9	245.2	246.9	240.7	240.1
50°	1901.0	1798.3	1452.7	658.7	261.5	247.4	240.7	237.3	241.8	234.5	233.4
52.5°	2064.8	1979.0	1512.2	576.8	238.5	236.8	234.0	235.1	236.8	228.9	228.4
55°	2242.7	2181.0	1566.6	498.8	218.3	222.2	231.7	231.2	230.6	223.3	223.3
57.5°	2406.0	2375.7	1622.1	438.8	202.6	209.3	226.7	226.7	223.9	217.7	217.1
60°	2595.6	2573.2	1674.9	384.9	189.1	197.5	220.5	221.1	216.0	211.5	210.4
62.5°	2767.9	2751.1	1717.0	328.2	174.5	187.4	211.5	215.5	208.2	204.8	204.8
65°	2889.1	2877.3	1740.0	258.1	160.5	177.3	202.0	207.6	198.1	197.5	197.5
67.5°	2899.7	2892.4	1692.3	215.5	150.4	167.8	190.2	195.8	187.4	189.1	185.7
70°	2800.4	2747.1	1557.0	179.6	140.3	155.4	176.2	182.9	174.5	175.1	169.5
72.5°	2590.6	2436.8	1318.0	152.6	129.1	142.0	161.0	167.2	159.4	157.7	151.5
75°	2237.6	2000.3	917.4	132.4	117.3	127.4	142.5	148.7	143.6	135.2	133.5
77.5°	1733.2	1466.1	562.2	114.5	106.6	112.2	123.4	126.8	121.8	111.7	110.0
80°	1092.5	879.2	271.0	99.3	92.6	95.4	102.7	105.5	101.6	91.5	85.8
82.5°	500.5	379.9	143.1	80.2	75.2	75.2	82.5	80.2	76.9	67.3	54.4
85°	116.7	120.1	66.2	49.4	47.7	42.6	49.4	48.8	43.8	33.7	28.1
87.5°	19.1	21.3	16.8	15.1	12.3	9.5	10.7	9.0	7.9	3.9	1.7
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)