

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: P415893

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415893
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-PA1-60-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 6901 lumens
Efficiency: N/A
Efficacy: 107.8 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 (A_{in}): 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

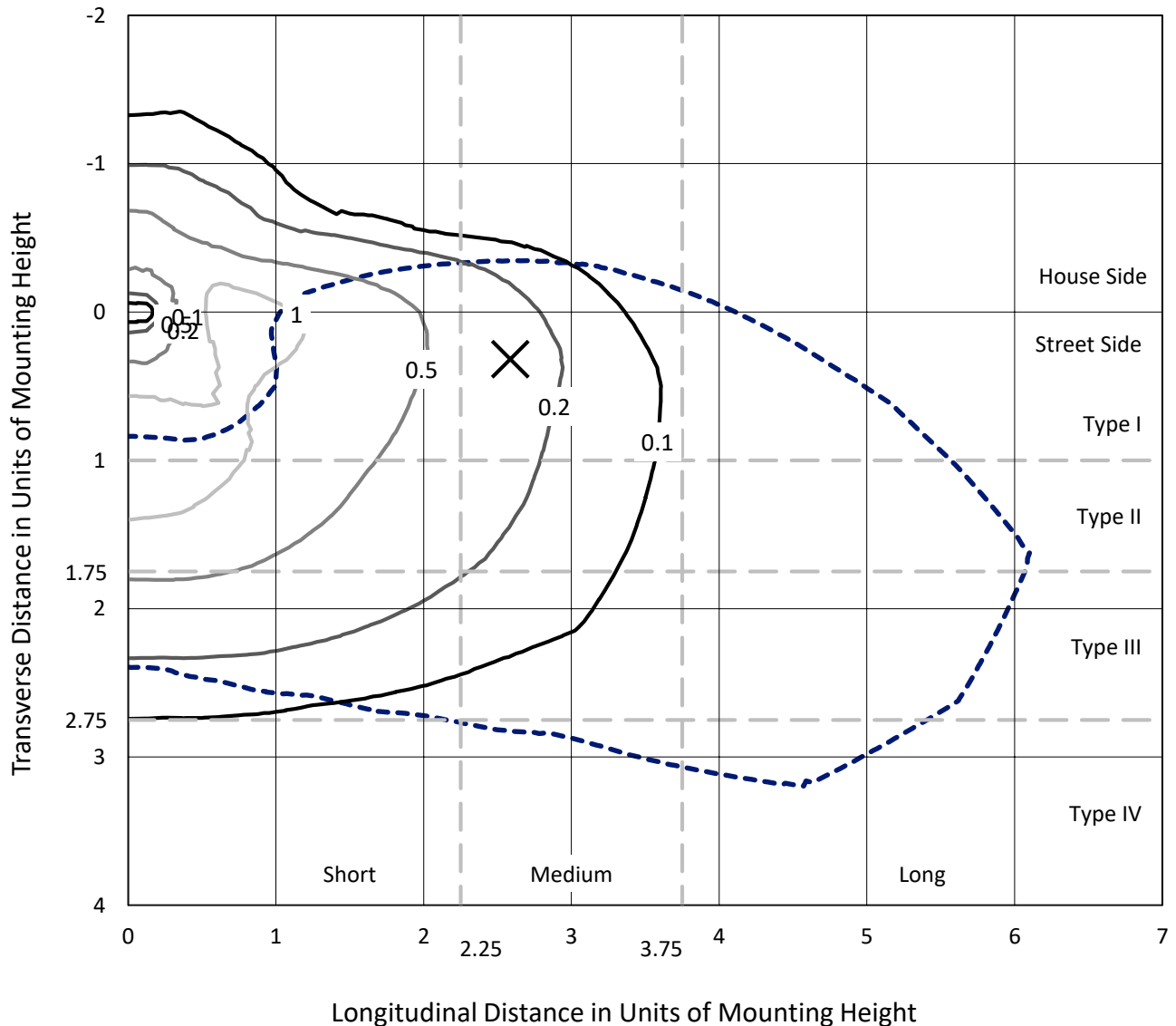


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

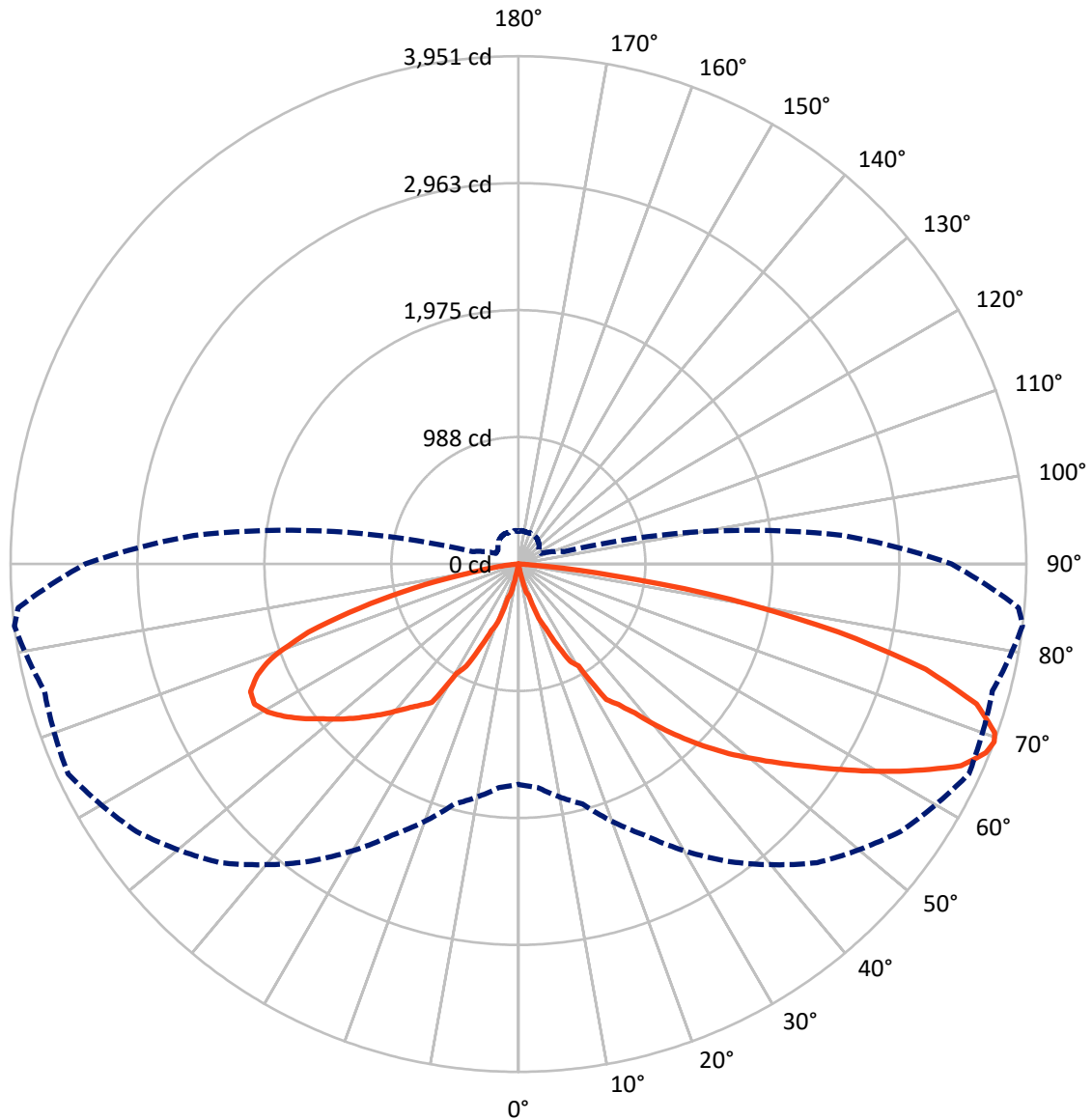


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1463.7	0.0	1463.7
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	5437.3	0.0	5437.3
	% Fixture	78.8	0.0	78.8
Total	Lumens	6901.0	0.0	6901.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	70.2	1.0
20°-30°	276.8	4.0
30°-40°	615.8	8.9
40°-50°	1045.8	15.2
50°-60°	1558.4	22.6
60°-70°	1835.3	26.6
70°-80°	1284.6	18.6
80°-90°	209.7	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°	6901.0	100.0
0°-180°	6901.0	100.0



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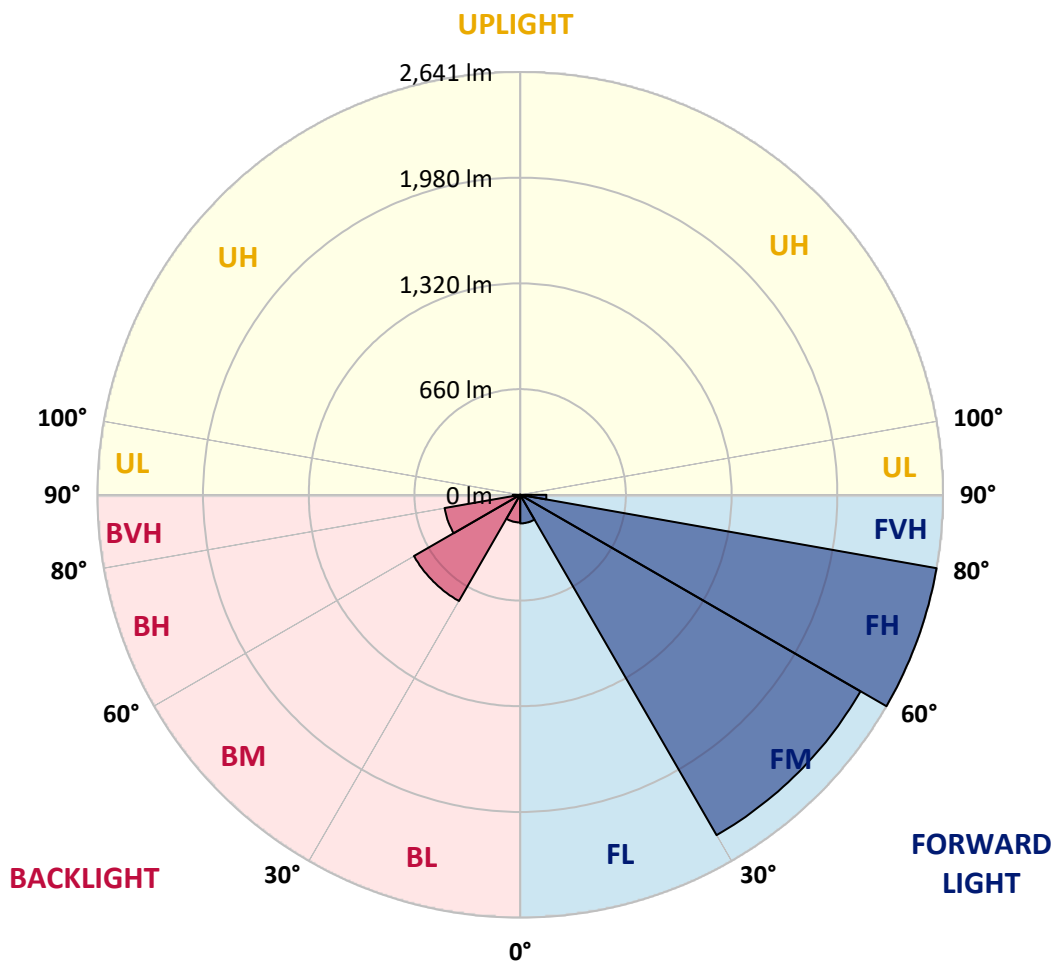
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.7	2.6			
FM	(30°-60°)	2454.1	35.6			
FH	(60°-80°)	2640.5	38.3			G2/5000
FVH	(80°-90°)	163.9	2.4			G2/225
BL	(0°-30°)	172.6	2.5	B1/500		
BM	(30°-60°)	765.9	11.1	B1/1000		
BH	(60°-80°)	479.4	6.9	B1/500		G1/500
BVH	(80°-90°)	45.8	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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.7	3.0	3.7	4.5	4.5	3.7	3.0	3.0	3.0	3.0	2.2
5°	60.2	43.8	39.4	34.9	20.8	7.4	4.5	3.0	3.0	3.0	3.0
7.5°	127.0	127.0	127.0	127.8	127.0	94.4	22.3	5.2	3.0	3.0	3.0
10°	128.5	127.8	127.0	127.8	129.3	130.0	125.6	17.8	7.4	6.7	6.7
12.5°	232.5	231.1	222.9	156.0	132.2	133.0	136.0	98.1	35.7	94.4	110.0
15°	246.7	245.2	245.2	245.9	233.3	144.9	204.3	267.5	190.2	227.3	231.1
17.5°	276.4	268.2	261.5	257.1	258.5	288.3	289.7	295.7	221.4	254.8	259.3
20°	423.5	420.5	396.7	303.9	283.8	374.4	333.6	328.4	414.6	450.2	457.6
22.5°	483.6	480.7	463.6	447.2	466.6	407.9	474.7	489.6	561.7	540.1	546.8
25°	656.7	654.5	559.4	517.8	569.1	468.8	586.2	560.9	620.3	691.7	699.1
27.5°	803.8	798.6	779.3	698.4	635.2	702.8	648.6	749.6	842.5	854.4	876.7
30°	954.7	920.5	861.1	864.0	782.3	774.9	772.6	899.7	902.7	921.2	959.1
32.5°	1201.3	1185.7	1135.9	982.2	964.3	861.1	950.9	959.1	1179.0	1256.3	1263.7
35°	1398.9	1332.1	1285.3	1198.3	1063.1	1096.6	1059.4	1206.5	1293.4	1343.2	1373.7
37.5°	1713.9	1722.9	1646.3	1329.8	1245.1	1206.5	1271.2	1350.6	1459.1	1471.0	1517.1
40°	1940.5	1934.6	1831.3	1598.0	1408.6	1369.2	1412.3	1490.3	1637.4	1652.3	1663.4
42.5°	2270.4	2241.4	2097.3	1835.0	1659.7	1576.5	1588.4	1621.1	1768.2	1834.3	1820.9
45°	2575.7	2556.4	2410.8	2087.6	1897.4	1800.1	1782.3	1753.3	1930.1	2018.5	1994.0
47.5°	2815.0	2780.8	2697.6	2368.5	2222.1	2056.4	1967.3	1914.5	2090.6	2203.5	2169.4
50°	3071.3	3019.3	2944.2	2647.1	2502.9	2355.1	2159.0	2092.8	2271.1	2383.3	2355.8
52.5°	3241.4	3160.4	3113.6	2895.2	2762.2	2632.9	2345.4	2300.8	2469.5	2577.2	2571.3
55°	3156.0	3153.0	3200.5	3062.4	2933.1	2796.4	2539.3	2537.1	2676.8	2787.5	2792.7
57.5°	3007.4	3023.0	3158.2	3179.0	3124.0	2963.5	2779.3	2801.6	2920.5	3023.0	3034.1
60°	2817.9	2861.0	3055.7	3165.6	3209.5	3130.0	3010.3	3044.5	3186.4	3274.8	3271.9
62.5°	2567.6	2602.5	2844.7	3093.6	3182.7	3257.7	3223.6	3333.5	3445.7	3528.9	3550.5
65°	2271.9	2286.0	2548.2	2884.0	3114.4	3323.1	3401.9	3601.7	3656.0	3783.7	3788.2
67.5°	1944.2	1948.7	2176.8	2577.2	2965.8	3317.9	3553.4	3800.1	3786.0	3921.9	3911.5
69°	1713.9	1745.9	1933.1	2327.6	2821.6	3286.0	3628.5	3865.5	3817.9	3950.9	3905.6
70°	1552.0	1549.7	1763.7	2115.9	2694.6	3245.1	3676.0	3882.5	3818.7	3930.8	3862.5
72.5°	988.8	1003.7	1188.7	1501.5	2171.6	3008.9	3734.7	3837.2	3736.9	3725.8	3579.4
75°	436.8	396.7	512.6	794.9	1365.5	2340.2	3593.5	3632.9	3504.4	3274.8	3023.7
77.5°	153.0	159.0	193.2	323.2	657.5	1394.5	2978.4	3196.1	3095.0	2543.0	2263.0
80°	109.2	110.0	129.3	180.5	318.7	491.8	1896.0	2312.0	2381.8	1676.8	1441.3
82.5°	77.3	77.3	95.8	115.2	220.6	219.9	815.7	1271.9	1358.8	743.7	556.5
85°	64.6	66.1	73.5	66.9	129.3	112.2	201.3	392.3	321.7	90.6	79.5
87.5°	9.7	8.9	25.3	22.3	19.3	16.3	22.3	25.3	17.1	13.4	9.7
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.0	3.0	3.0	3.0	2.2	1.5	1.5	1.5	2.2	2.2	2.2
5°	3.0	3.0	3.0	3.0	3.0	3.0	3.7	5.2	5.9	6.7	6.7
7.5°	3.0	3.0	3.0	3.7	4.5	6.7	36.4	126.3	138.2	144.1	147.8
10°	5.9	6.7	6.7	6.7	16.3	139.7	166.4	172.4	178.3	181.3	180.5
12.5°	115.2	118.9	29.7	21.5	130.0	174.6	179.8	185.7	191.7	196.1	195.4
15°	237.0	242.9	233.3	241.5	256.3	189.4	193.9	328.4	355.9	361.1	361.8
17.5°	264.5	268.9	273.4	355.9	364.8	280.8	335.8	360.3	363.3	364.8	365.5
20°	503.7	501.5	405.6	390.0	386.3	487.4	356.6	363.3	434.6	494.8	497.8
22.5°	555.7	562.4	535.7	572.8	507.4	493.3	449.5	481.4	508.2	507.4	505.2
25°	720.6	729.6	614.4	595.8	608.5	490.3	560.9	480.7	488.1	488.8	493.3
27.5°	901.2	903.4	852.9	670.9	598.8	607.0	528.2	511.9	572.1	575.8	575.8
30°	981.4	995.5	901.2	777.1	620.3	573.5	511.9	557.9	531.2	535.7	535.7
32.5°	1303.8	1292.7	1176.8	769.7	642.6	527.5	534.9	517.1	572.8	587.7	589.1
35°	1388.5	1365.5	1183.5	860.3	599.5	538.6	488.8	525.3	525.3	524.5	520.8
37.5°	1493.3	1453.2	1169.4	796.4	603.3	491.8	471.8	472.5	515.6	525.3	518.6
40°	1617.4	1557.2	1167.1	743.7	546.8	465.8	433.1	454.7	453.9	441.3	433.9
42.5°	1751.8	1672.3	1161.9	681.3	491.1	436.8	408.6	401.9	405.6	382.6	380.4
45°	1909.3	1791.2	1147.1	626.3	446.5	405.6	373.7	363.3	364.8	346.9	342.5
47.5°	2076.5	1913.8	1143.4	583.2	409.4	374.4	348.4	335.1	340.3	320.2	315.7
50°	2263.0	2040.1	1130.7	543.1	368.5	345.5	326.1	310.5	311.3	295.7	292.0
52.5°	2465.8	2162.7	1116.6	488.1	331.3	320.9	309.8	297.9	311.3	290.5	286.0
55°	2673.8	2312.0	1098.0	424.2	297.9	302.4	291.2	300.1	319.5	286.8	280.8
57.5°	2904.9	2452.4	1063.1	354.4	271.2	281.6	289.0	300.9	316.5	286.0	274.9
60°	3124.0	2587.6	979.9	299.4	248.1	264.5	284.5	296.4	294.9	280.8	273.4
62.5°	3346.9	2699.1	826.1	257.1	228.8	256.3	277.9	283.1	276.4	271.2	266.7
65°	3469.5	2726.5	640.4	228.8	213.2	245.2	269.7	274.1	264.5	264.5	260.8
67.5°	3449.4	2638.1	472.5	205.8	199.8	234.0	255.6	266.0	259.3	264.5	258.5
69°	3369.2	2537.1	371.5	193.9	193.2	225.1	247.4	259.3	254.1	261.5	254.1
70°	3274.8	2435.3	328.4	187.2	186.5	218.4	242.2	254.1	248.1	254.1	247.4
72.5°	2913.0	2089.9	235.5	168.6	170.9	205.0	229.6	238.5	233.3	234.8	225.9
75°	2329.1	1553.5	186.5	153.0	155.3	189.4	215.4	220.6	216.9	210.2	205.0
77.5°	1637.4	1001.5	153.0	138.9	139.7	170.9	200.6	199.8	193.9	187.2	180.5
80°	893.0	471.0	130.0	121.8	124.1	152.3	179.0	176.8	169.4	162.7	154.5
82.5°	386.3	190.2	101.0	97.3	104.0	127.8	153.8	147.8	141.2	144.1	112.2
85°	69.1	65.4	58.7	62.4	70.6	90.6	108.5	103.3	99.6	84.7	78.0
87.5°	5.9	8.9	8.9	11.1	15.6	17.1	30.5	22.3	23.0	8.9	4.5
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)