

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: P416985

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416985
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-PA1-80-830-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7381 lumens
Efficiency: N/A
Efficacy: 88.9 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 - G2

Input Watts (W): 83
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

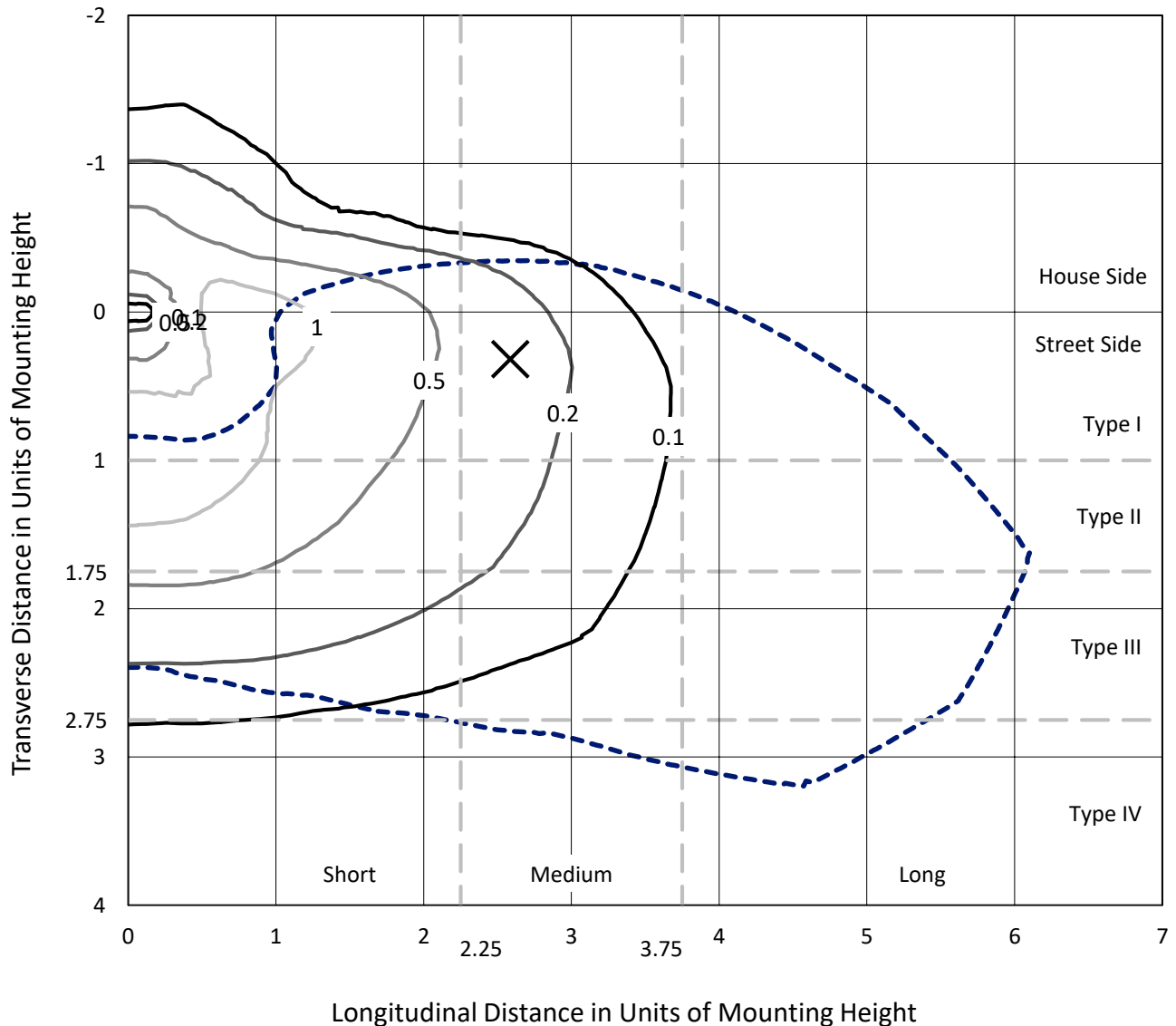


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

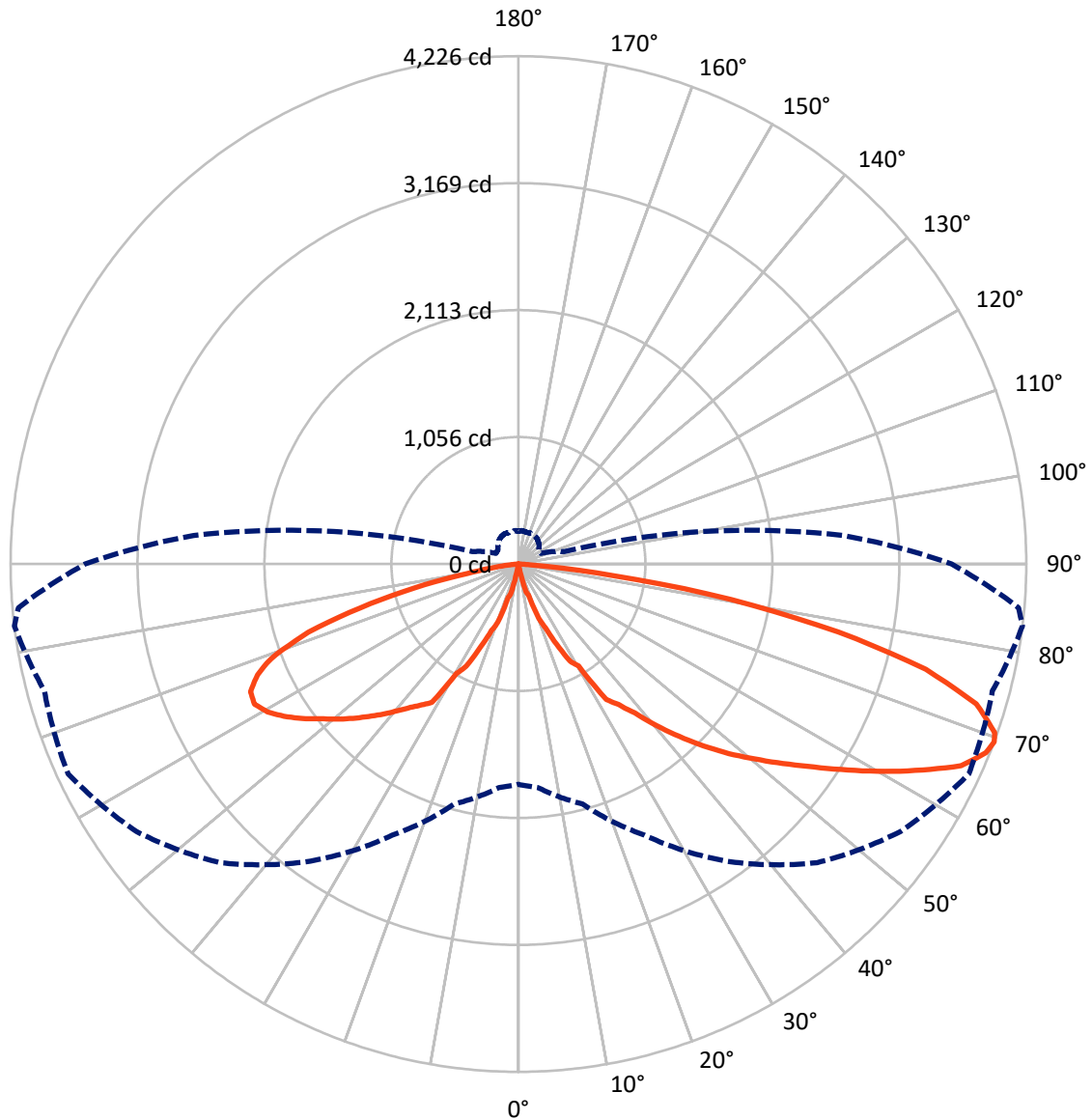


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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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	1565.5	0.0	1565.5
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	5815.5	0.0	5815.5
	% Fixture	78.8	0.0	78.8
Total	Lumens	7381.0	0.0	7381.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	75.0	1.0
20°-30°	296.0	4.0
30°-40°	658.7	8.9
40°-50°	1118.5	15.2
50°-60°	1666.8	22.6
60°-70°	1963.0	26.6
70°-80°	1374.0	18.6
80°-90°	224.3	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°	7381.0	100.0
0°-180°	7381.0	100.0



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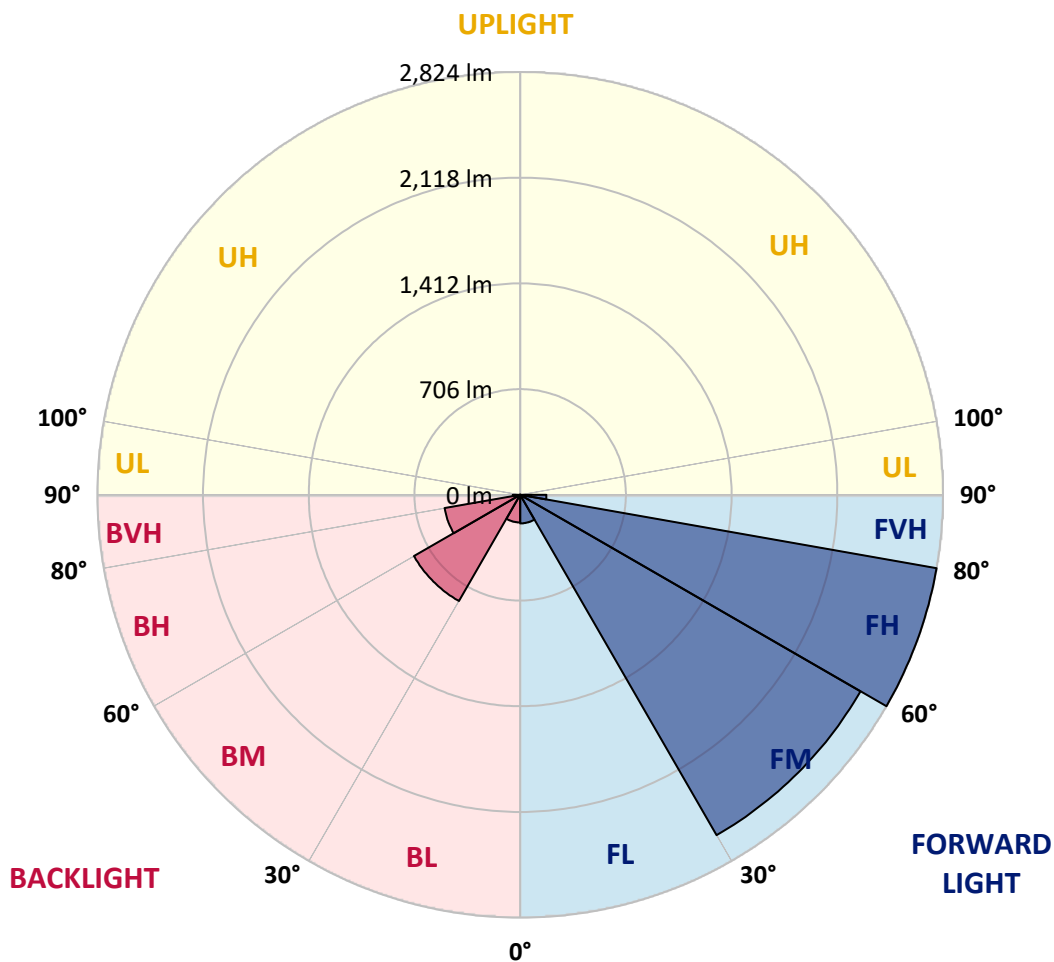
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.1	2.6			
FM	(30°-60°)	2624.8	35.6			
FH	(60°-80°)	2824.2	38.3			G2/5000
FVH	(80°-90°)	175.3	2.4			G2/225
BL	(0°-30°)	184.6	2.5	B1/500		
BM	(30°-60°)	819.2	11.1	B1/1000		
BH	(60°-80°)	512.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	49.0	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.0	3.2	4.0	4.8	4.8	4.0	3.2	3.2	3.2	3.2	2.4
5°	64.4	46.9	42.1	37.3	22.2	7.9	4.8	3.2	3.2	3.2	3.2
7.5°	135.9	135.9	135.9	136.7	135.9	100.9	23.8	5.6	3.2	3.2	3.2
10°	137.5	136.7	135.9	136.7	138.3	139.1	134.3	19.1	7.9	7.2	7.2
12.5°	248.7	247.1	238.4	166.9	141.4	142.2	145.4	104.9	38.1	100.9	117.6
15°	263.8	262.2	262.2	263.0	249.5	154.9	218.5	286.1	203.4	243.1	247.1
17.5°	295.6	286.9	279.7	274.9	276.5	308.3	309.9	316.3	236.8	272.5	277.3
20°	452.9	449.7	424.3	325.0	303.5	400.5	356.8	351.2	443.4	481.5	489.5
22.5°	517.3	514.1	495.8	478.4	499.0	436.2	507.8	523.6	600.7	577.7	584.8
25°	702.4	700.0	598.3	553.8	608.7	501.4	626.9	599.9	663.5	739.8	747.7
27.5°	859.8	854.2	833.5	746.9	679.4	751.7	693.7	801.8	901.1	913.8	937.6
30°	1021.1	984.5	920.9	924.1	836.7	828.8	826.4	962.3	965.4	985.3	1025.8
32.5°	1284.9	1268.2	1214.9	1050.5	1031.4	920.9	1017.1	1025.8	1261.0	1343.7	1351.6
35°	1496.2	1424.7	1374.7	1281.7	1137.1	1172.8	1133.1	1290.4	1383.4	1436.6	1469.2
37.5°	1833.1	1842.7	1760.8	1422.3	1331.8	1290.4	1359.6	1444.6	1560.6	1573.3	1622.6
40°	2075.5	2069.1	1958.7	1709.2	1506.6	1464.5	1510.5	1594.0	1751.3	1767.2	1779.1
42.5°	2428.3	2397.3	2243.2	1962.7	1775.1	1686.1	1698.9	1733.8	1891.2	1961.9	1947.6
45°	2754.9	2734.2	2578.5	2232.8	2029.4	1925.3	1906.3	1875.3	2064.4	2158.9	2132.7
47.5°	3010.8	2974.2	2885.2	2533.2	2376.7	2199.5	2104.1	2047.7	2236.0	2356.8	2320.2
50°	3284.9	3229.3	3149.0	2831.2	2677.0	2518.9	2309.1	2238.4	2429.1	2549.1	2519.7
52.5°	3466.9	3380.2	3330.2	3096.6	2954.3	2816.1	2508.6	2460.9	2641.3	2756.5	2750.1
55°	3375.5	3372.3	3423.2	3275.4	3137.1	2990.9	2716.0	2713.6	2863.0	2981.4	2986.9
57.5°	3216.6	3233.2	3377.9	3400.1	3341.3	3169.7	2972.6	2996.4	3123.6	3233.2	3245.2
60°	3013.9	3060.0	3268.2	3385.8	3432.7	3347.7	3219.7	3256.3	3408.1	3502.6	3499.4
62.5°	2746.1	2783.5	3042.5	3308.7	3404.1	3484.3	3447.8	3565.4	3685.4	3774.4	3797.4
65°	2429.9	2445.0	2725.5	3084.6	3331.0	3554.3	3638.5	3852.2	3910.2	4046.9	4051.7
67.5°	2079.5	2084.2	2328.2	2756.5	3172.1	3548.7	3800.6	4064.4	4049.3	4194.7	4183.6
69°	1833.1	1867.3	2067.6	2489.5	3017.9	3514.5	3880.8	4134.3	4083.5	4225.7	4177.2
70°	1659.9	1657.5	1886.4	2263.0	2882.0	3470.8	3931.7	4152.6	4084.3	4204.2	4131.1
72.5°	1057.6	1073.5	1271.4	1605.9	2322.6	3218.1	3994.5	4104.1	3996.9	3984.9	3828.4
75°	467.2	424.3	548.3	850.2	1460.5	2503.0	3843.5	3885.6	3748.1	3502.6	3234.0
77.5°	163.7	170.0	206.6	345.7	703.2	1491.5	3185.6	3418.4	3310.3	2719.9	2420.4
80°	116.8	117.6	138.3	193.1	340.9	526.0	2027.8	2472.8	2547.5	1793.4	1541.5
82.5°	82.6	82.6	102.5	123.2	236.0	235.2	872.5	1360.4	1453.3	795.4	595.2
85°	69.1	70.7	78.7	71.5	138.3	120.0	215.3	419.6	344.1	96.9	85.0
87.5°	10.3	9.5	27.0	23.8	20.7	17.5	23.8	27.0	18.3	14.3	10.3
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.2	3.2	3.2	3.2	2.4	1.6	1.6	1.6	2.4	2.4	2.4
5°	3.2	3.2	3.2	3.2	3.2	3.2	4.0	5.6	6.4	7.2	7.2
7.5°	3.2	3.2	3.2	4.0	4.8	7.2	38.9	135.1	147.8	154.2	158.1
10°	6.4	7.2	7.2	7.2	17.5	149.4	178.0	184.3	190.7	193.9	193.1
12.5°	123.2	127.1	31.8	23.0	139.1	186.7	192.3	198.7	205.0	209.8	209.0
15°	253.5	259.8	249.5	258.2	274.1	202.6	207.4	351.2	380.6	386.2	387.0
17.5°	282.9	287.6	292.4	380.6	390.2	300.4	359.2	385.4	388.6	390.2	390.9
20°	538.7	536.4	433.9	417.2	413.2	521.3	381.4	388.6	464.8	529.2	532.4
22.5°	594.4	601.5	572.9	612.6	542.7	527.6	480.7	514.9	543.5	542.7	540.3
25°	770.8	780.3	657.1	637.3	650.8	524.4	599.9	514.1	522.1	522.8	527.6
27.5°	963.9	966.2	912.2	717.5	640.5	649.2	565.0	547.5	611.8	615.8	615.8
30°	1049.7	1064.8	963.9	831.2	663.5	613.4	547.5	596.7	568.1	572.9	572.9
32.5°	1394.5	1382.6	1258.7	823.2	687.3	564.2	572.1	553.0	612.6	628.5	630.1
35°	1485.1	1460.5	1265.8	920.2	641.2	576.1	522.8	561.8	561.8	561.0	557.0
37.5°	1597.2	1554.2	1250.7	851.8	645.2	526.0	504.6	505.4	551.5	561.8	554.6
40°	1729.9	1665.5	1248.3	795.4	584.8	498.2	463.3	486.3	485.5	472.0	464.0
42.5°	1873.7	1788.7	1242.8	728.7	525.2	467.2	437.0	429.9	433.9	409.2	406.8
45°	2042.1	1915.8	1226.9	669.9	477.6	433.9	399.7	388.6	390.2	371.1	366.3
47.5°	2220.9	2046.9	1222.9	623.8	437.8	400.5	372.7	358.4	363.9	342.5	337.7
50°	2420.4	2182.0	1209.4	580.9	394.1	369.5	348.8	332.1	332.9	316.3	312.3
52.5°	2637.3	2313.1	1194.3	522.1	354.4	343.3	331.3	318.6	332.9	310.7	305.9
55°	2859.8	2472.8	1174.4	453.7	318.6	323.4	311.5	321.0	341.7	306.7	300.4
57.5°	3106.9	2623.0	1137.1	379.0	290.0	301.2	309.1	321.8	338.5	305.9	294.0
60°	3341.3	2767.6	1048.1	320.2	265.4	282.9	304.3	317.0	315.5	300.4	292.4
62.5°	3579.7	2886.8	883.6	274.9	244.7	274.1	297.2	302.7	295.6	290.0	285.3
65°	3710.8	2916.2	684.9	244.7	228.1	262.2	288.4	293.2	282.9	282.9	278.9
67.5°	3689.3	2821.6	505.4	220.1	213.7	250.3	273.3	284.5	277.3	282.9	276.5
69°	3603.5	2713.6	397.3	207.4	206.6	240.8	264.6	277.3	271.8	279.7	271.8
70°	3502.6	2604.7	351.2	200.2	199.4	233.6	259.0	271.8	265.4	271.8	264.6
72.5°	3115.6	2235.2	251.9	180.4	182.8	219.3	245.5	255.1	249.5	251.1	241.6
75°	2491.1	1661.5	199.4	163.7	166.1	202.6	230.4	236.0	232.0	224.9	219.3
77.5°	1751.3	1071.1	163.7	148.6	149.4	182.8	214.5	213.7	207.4	200.2	193.1
80°	955.1	503.8	139.1	130.3	132.7	162.9	191.5	189.1	181.2	174.0	165.3
82.5°	413.2	203.4	108.1	104.1	111.2	136.7	164.5	158.1	151.0	154.2	120.0
85°	73.9	69.9	62.8	66.7	75.5	96.9	116.0	110.4	106.5	90.6	83.4
87.5°	6.4	9.5	9.5	11.9	16.7	18.3	32.6	23.8	24.6	9.5	4.8
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)