

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: P416673

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416673
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-PA1-80-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7768 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 83
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

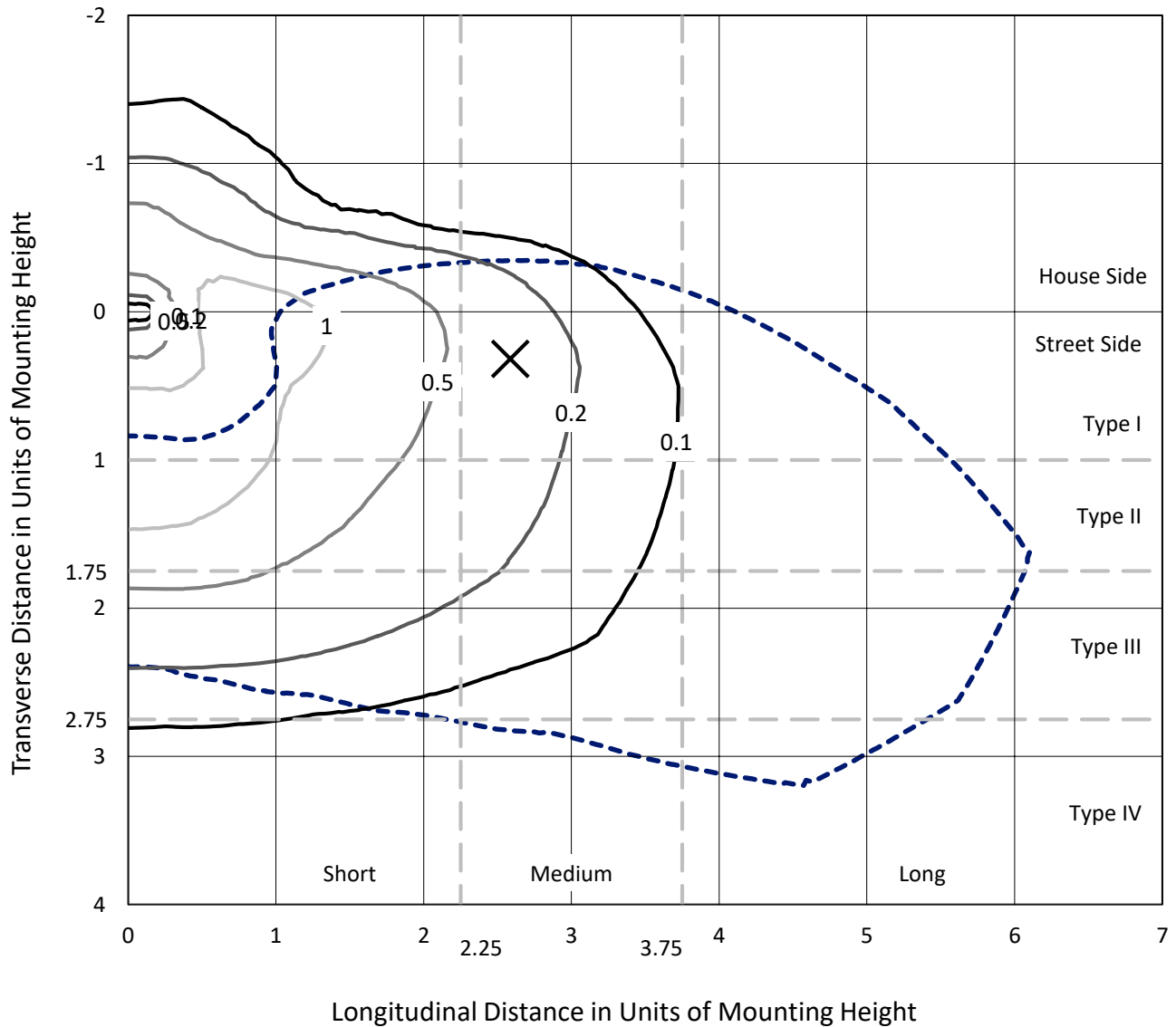


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

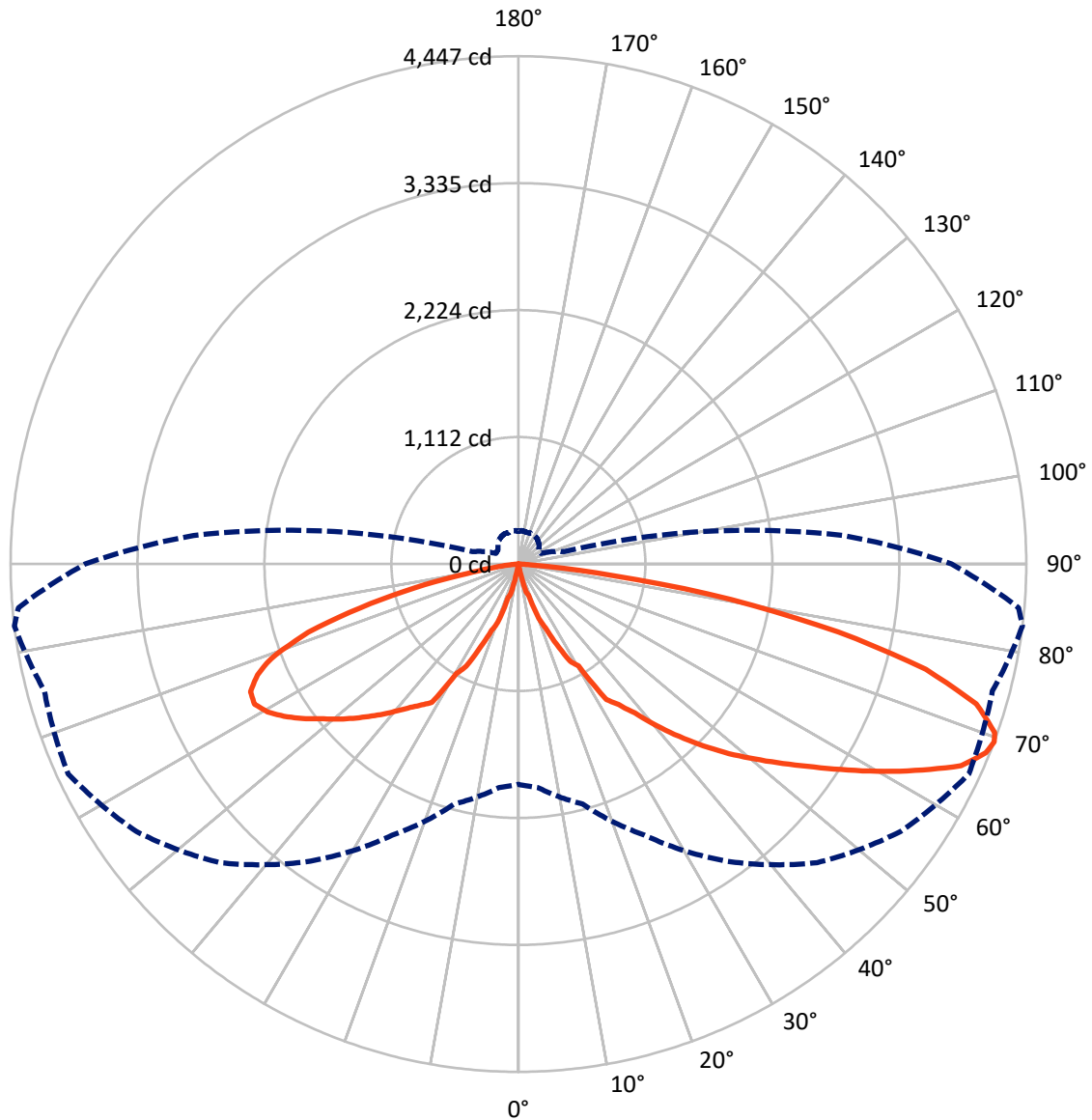


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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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	1647.6	0.0	1647.6
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	6120.4	0.0	6120.4
	% Fixture	78.8	0.0	78.8
Total	Lumens	7768.0	0.0	7768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	79.0	1.0
20°-30°	311.5	4.0
30°-40°	693.2	8.9
40°-50°	1177.1	15.2
50°-60°	1754.2	22.6
60°-70°	2065.9	26.6
70°-80°	1446.0	18.6
80°-90°	236.1	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°	7768.0	100.0
0°-180°	7768.0	100.0

Coefficient of Utilization



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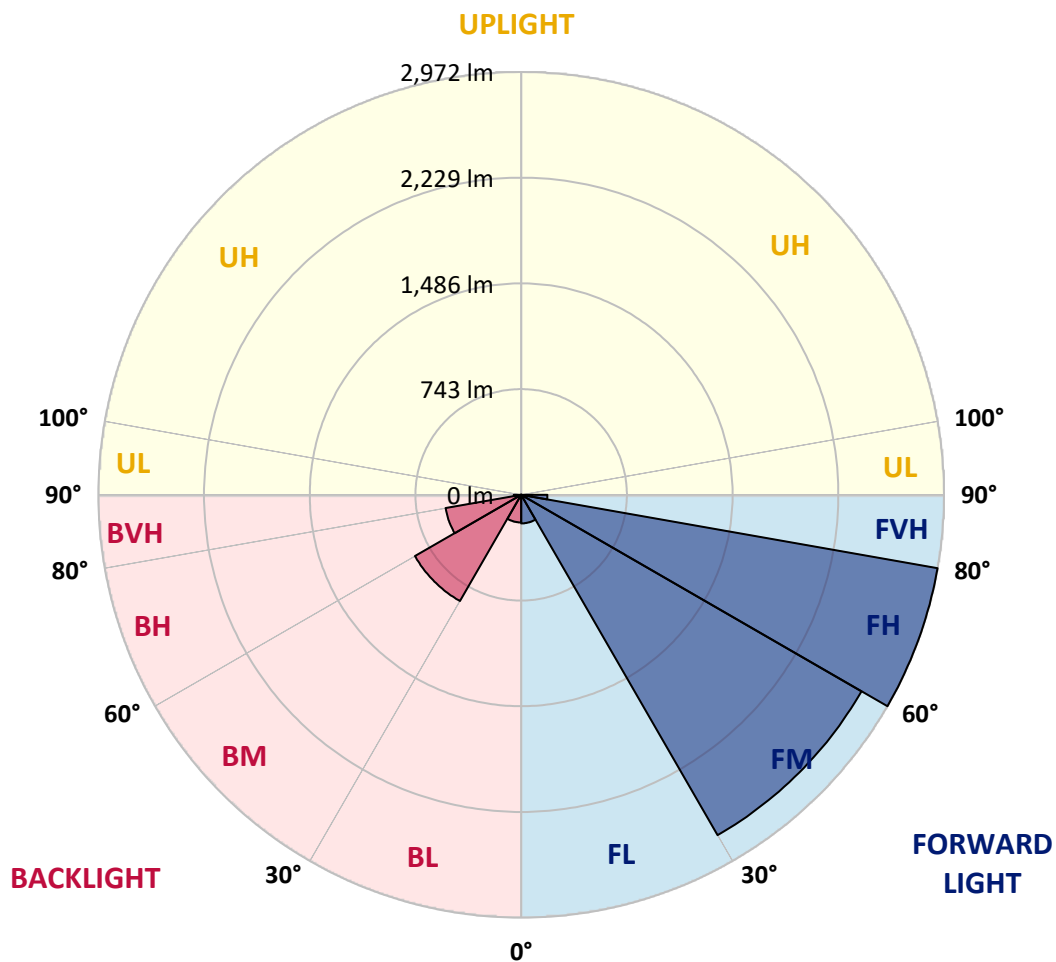
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.2	2.6			
FM	(30°-60°)	2762.4	35.6			
FH	(60°-80°)	2972.3	38.3			G2/5000
FVH	(80°-90°)	184.5	2.4			G2/225
BL	(0°-30°)	194.3	2.5	B1/500		
BM	(30°-60°)	862.1	11.1	B1/1000		
BH	(60°-80°)	539.6	6.9	B2/1000		G2/1000
BVH	(80°-90°)	51.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	4.2	3.3	4.2	5.0	5.0	4.2	3.3	3.3	3.3	3.3	2.5
5°	67.7	49.3	44.3	39.3	23.4	8.4	5.0	3.3	3.3	3.3	3.3
7.5°	143.0	143.0	143.0	143.8	143.0	106.2	25.1	5.9	3.3	3.3	3.3
10°	144.7	143.8	143.0	143.8	145.5	146.3	141.3	20.1	8.4	7.5	7.5
12.5°	261.8	260.1	250.9	175.6	148.9	149.7	153.0	110.4	40.1	106.2	123.8
15°	277.6	276.0	276.0	276.8	262.6	163.1	230.0	301.1	214.1	255.9	260.1
17.5°	311.1	301.9	294.4	289.3	291.0	324.5	326.1	332.8	249.2	286.8	291.9
20°	476.7	473.3	446.6	342.0	319.5	421.5	375.5	369.6	466.6	506.8	515.1
22.5°	544.4	541.1	521.8	503.4	525.2	459.1	534.4	551.1	632.2	608.0	615.5
25°	739.3	736.8	629.7	582.9	640.6	527.7	659.8	631.4	698.3	778.6	786.9
27.5°	904.8	899.0	877.2	786.1	715.0	791.1	730.1	843.8	948.3	961.7	986.8
30°	1074.6	1036.1	969.2	972.6	880.6	872.2	869.7	1012.7	1016.1	1037.0	1079.6
32.5°	1352.2	1334.7	1278.7	1105.5	1085.5	969.2	1070.4	1079.6	1327.2	1414.1	1422.5
35°	1574.7	1499.4	1446.7	1348.9	1196.7	1234.3	1192.5	1358.1	1455.9	1512.0	1546.3
37.5°	1929.3	1939.3	1853.2	1496.9	1401.6	1358.1	1430.9	1520.3	1642.4	1655.8	1707.7
40°	2184.3	2177.6	2061.4	1798.8	1585.6	1541.2	1589.7	1677.5	1843.1	1859.9	1872.4
42.5°	2555.6	2523.0	2360.8	2065.6	1868.2	1774.6	1787.9	1824.7	1990.3	2064.7	2049.7
45°	2899.3	2877.6	2713.7	2349.9	2135.8	2026.3	2006.2	1973.6	2172.6	2272.1	2244.5
47.5°	3168.6	3130.1	3036.5	2666.0	2501.3	2314.8	2214.4	2155.1	2353.3	2480.4	2441.9
50°	3457.1	3398.6	3314.1	2979.6	2817.4	2651.0	2430.2	2355.8	2556.5	2682.7	2651.8
52.5°	3648.6	3557.5	3504.8	3258.9	3109.2	2963.7	2640.1	2589.9	2779.7	2901.0	2894.3
55°	3552.5	3549.1	3602.6	3447.1	3301.6	3147.7	2858.4	2855.8	3013.1	3137.7	3143.5
57.5°	3385.2	3402.8	3555.0	3578.4	3516.5	3335.9	3128.5	3153.6	3287.4	3402.8	3415.3
60°	3172.0	3220.5	3439.6	3563.3	3612.7	3523.2	3388.5	3427.0	3586.7	3686.3	3682.9
62.5°	2890.1	2929.4	3202.1	3482.2	3582.6	3667.0	3628.6	3752.3	3878.6	3972.3	3996.5
65°	2557.3	2573.2	2868.4	3246.4	3505.6	3740.6	3829.3	4054.2	4115.3	4259.1	4264.1
67.5°	2188.5	2193.5	2450.3	2901.0	3338.4	3734.8	3999.9	4277.5	4261.6	4414.6	4402.9
69°	1929.3	1965.2	2176.0	2620.0	3176.1	3698.8	4084.3	4351.1	4297.6	4447.3	4396.2
70°	1747.0	1744.5	1985.3	2381.7	3033.1	3652.8	4137.8	4370.3	4298.4	4424.7	4347.7
72.5°	1113.1	1129.8	1338.0	1690.1	2444.4	3386.9	4203.9	4319.3	4206.4	4193.9	4029.1
75°	491.7	446.6	577.0	894.8	1537.1	2634.2	4045.0	4089.3	3944.7	3686.3	3403.6
77.5°	172.3	179.0	217.4	363.8	740.1	1569.7	3352.6	3597.6	3483.9	2862.5	2547.3
80°	122.9	123.8	145.5	203.2	358.8	553.6	2134.2	2602.5	2681.1	1887.5	1622.4
82.5°	87.0	87.0	107.9	129.6	248.4	247.5	918.2	1431.7	1529.5	837.1	626.4
85°	72.8	74.4	82.8	75.3	145.5	126.3	226.6	441.5	362.1	102.0	89.5
87.5°	10.9	10.0	28.4	25.1	21.7	18.4	25.1	28.4	19.2	15.1	10.9
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.3	3.3	3.3	3.3	2.5	1.7	1.7	1.7	2.5	2.5	2.5
5°	3.3	3.3	3.3	3.3	3.3	3.3	4.2	5.9	6.7	7.5	7.5
7.5°	3.3	3.3	3.3	4.2	5.0	7.5	41.0	142.2	155.5	162.2	166.4
10°	6.7	7.5	7.5	7.5	18.4	157.2	187.3	194.0	200.7	204.0	203.2
12.5°	129.6	133.8	33.5	24.3	146.3	196.5	202.4	209.1	215.8	220.8	219.9
15°	266.8	273.5	262.6	271.8	288.5	213.2	218.3	369.6	400.6	406.4	407.3
17.5°	297.7	302.7	307.7	400.6	410.6	316.1	378.0	405.6	408.9	410.6	411.4
20°	567.0	564.5	456.6	439.0	434.9	548.6	401.4	408.9	489.2	557.0	560.3
22.5°	625.5	633.1	602.9	644.8	571.2	555.3	505.9	541.9	572.0	571.2	568.7
25°	811.2	821.2	691.6	670.7	684.9	551.9	631.4	541.1	549.4	550.3	555.3
27.5°	1014.4	1016.9	960.0	755.1	674.0	683.2	594.6	576.2	643.9	648.1	648.1
30°	1104.7	1120.6	1014.4	874.7	698.3	645.6	576.2	628.0	597.9	602.9	602.9
32.5°	1467.6	1455.1	1324.6	866.4	723.4	593.7	602.1	582.0	644.8	661.5	663.2
35°	1563.0	1537.1	1332.2	968.4	674.9	606.3	550.3	591.2	591.2	590.4	586.2
37.5°	1680.9	1635.7	1316.3	896.5	679.0	553.6	531.0	531.9	580.4	591.2	583.7
40°	1820.6	1752.8	1313.8	837.1	615.5	524.3	487.5	511.8	511.0	496.7	488.4
42.5°	1971.9	1882.4	1307.9	766.9	552.8	491.7	459.9	452.4	456.6	430.7	428.2
45°	2149.2	2016.2	1291.2	705.0	502.6	456.6	420.6	408.9	410.6	390.5	385.5
47.5°	2337.4	2154.2	1287.0	656.5	460.8	421.5	392.2	377.2	383.0	360.4	355.4
50°	2547.3	2296.4	1272.8	611.3	414.8	388.9	367.1	349.6	350.4	332.8	328.7
52.5°	2775.6	2434.4	1256.9	549.4	373.0	361.3	348.7	335.3	350.4	327.0	322.0
55°	3009.7	2602.5	1236.0	477.5	335.3	340.4	327.8	337.9	359.6	322.8	316.1
57.5°	3269.8	2760.5	1196.7	398.9	305.2	316.9	325.3	338.7	356.2	322.0	309.4
60°	3516.5	2912.7	1103.0	337.0	279.3	297.7	320.3	333.7	332.0	316.1	307.7
62.5°	3767.4	3038.2	929.9	289.3	257.6	288.5	312.8	318.6	311.1	305.2	300.2
65°	3905.4	3069.1	720.9	257.6	240.0	276.0	303.6	308.6	297.7	297.7	293.5
67.5°	3882.8	2969.6	531.9	231.6	225.0	263.4	287.7	299.4	291.9	297.7	291.0
69°	3792.5	2855.8	418.1	218.3	217.4	253.4	278.5	291.9	286.0	294.4	286.0
70°	3686.3	2741.3	369.6	210.7	209.9	245.9	272.6	286.0	279.3	286.0	278.5
72.5°	3279.0	2352.4	265.1	189.8	192.3	230.8	258.4	268.4	262.6	264.3	254.2
75°	2621.7	1748.6	209.9	172.3	174.8	213.2	242.5	248.4	244.2	236.7	230.8
77.5°	1843.1	1127.3	172.3	156.4	157.2	192.3	225.8	225.0	218.3	210.7	203.2
80°	1005.2	530.2	146.3	137.1	139.7	171.4	201.5	199.0	190.7	183.1	173.9
82.5°	434.9	214.1	113.7	109.6	117.1	143.8	173.1	166.4	158.9	162.2	126.3
85°	77.8	73.6	66.1	70.2	79.4	102.0	122.1	116.2	112.1	95.3	87.8
87.5°	6.7	10.0	10.0	12.5	17.6	19.2	34.3	25.1	25.9	10.0	5.0
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)