

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: P417349

Luminaire Tested: **LXF.LXT-PA1-90-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417349
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-PA1-90-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7362 lumens
Efficiency: N/A
Efficacy: 78.3 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): 94
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

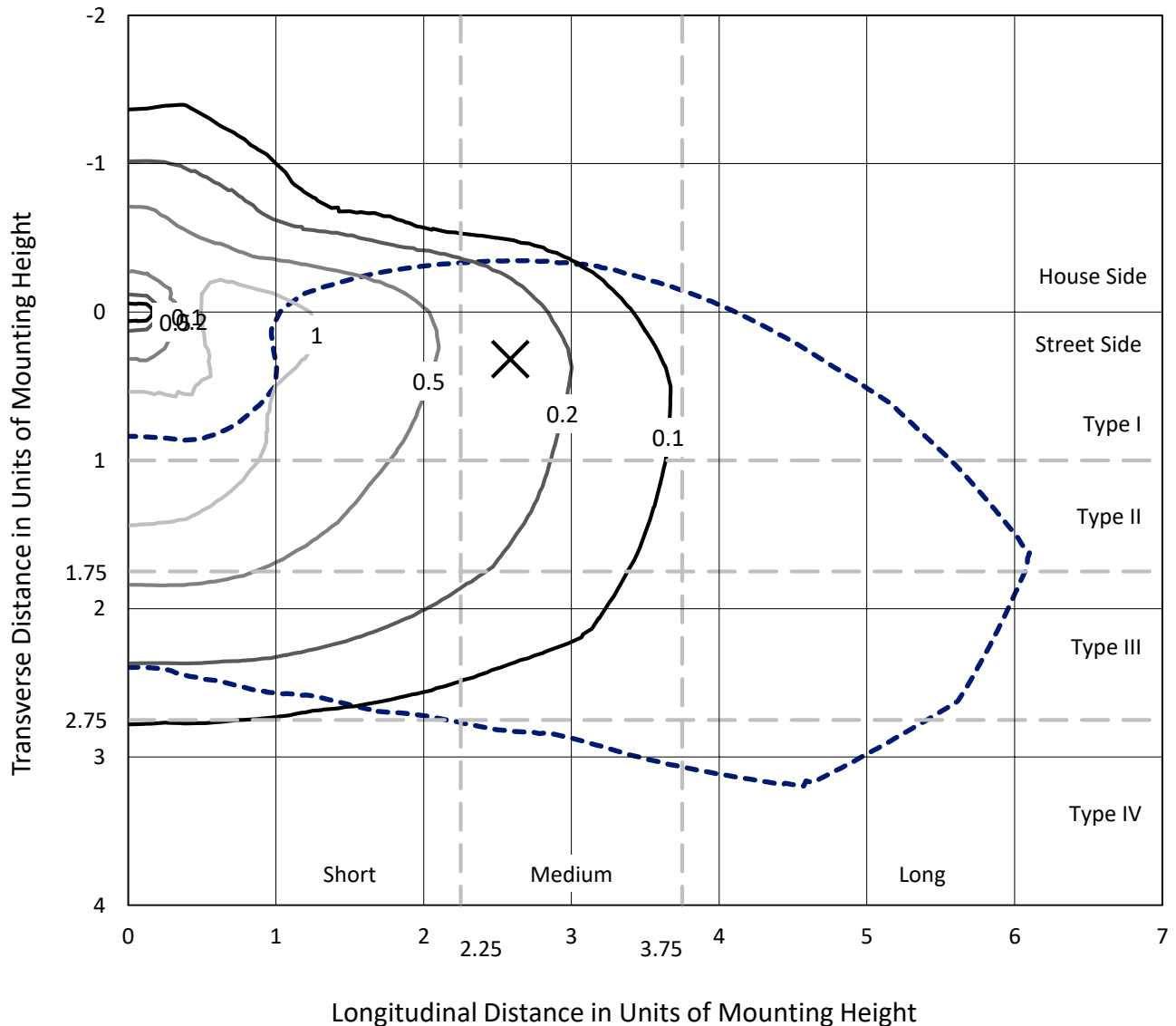


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

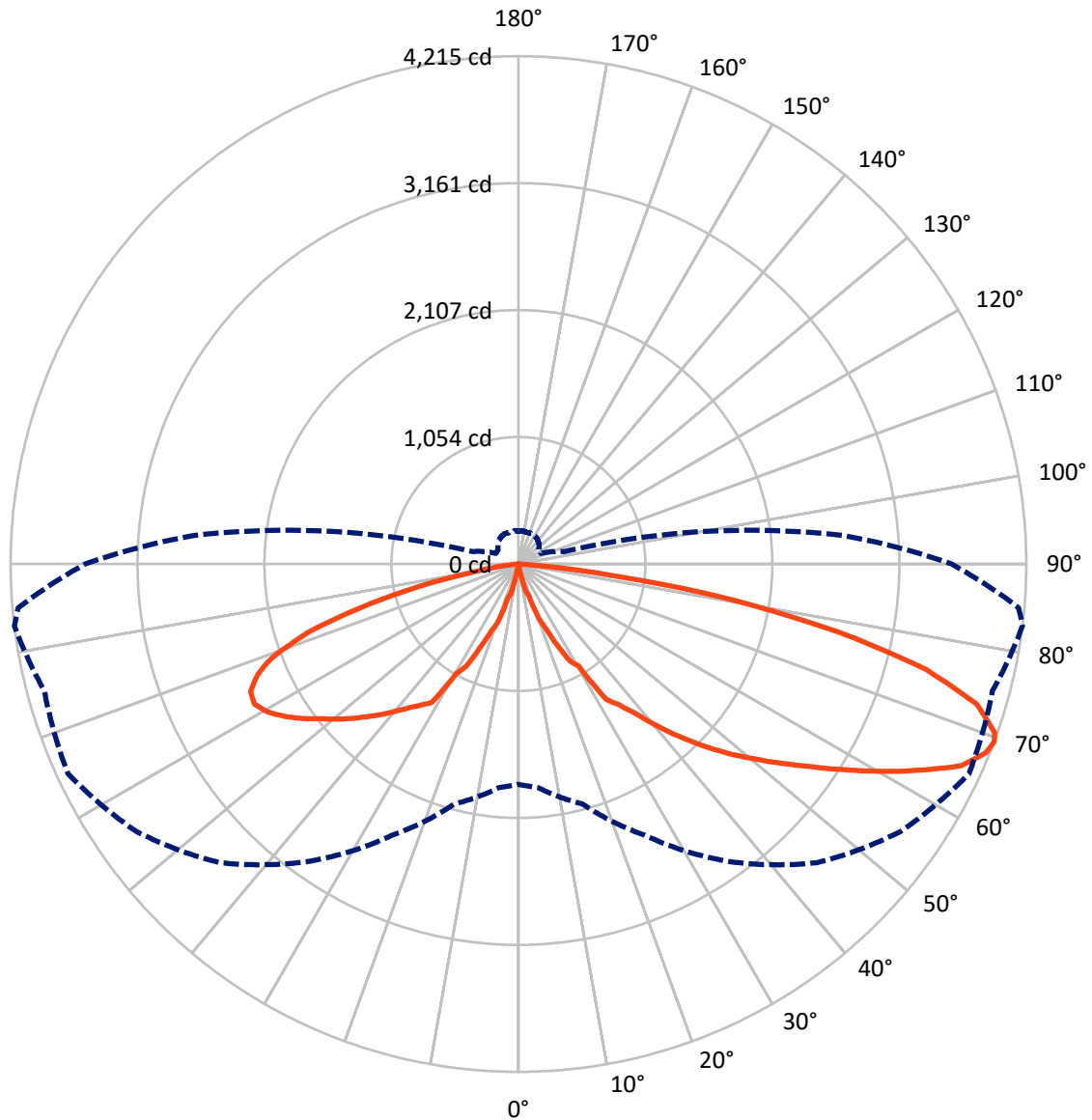


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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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	1561.5	0.0	1561.5
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	5800.5	0.0	5800.5
	% Fixture	78.8	0.0	78.8
Total	Lumens	7362.0	0.0	7362.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	74.8	1.0
20°-30°	295.2	4.0
30°-40°	657.0	8.9
40°-50°	1115.6	15.2
50°-60°	1662.5	22.6
60°-70°	1957.9	26.6
70°-80°	1370.5	18.6
80°-90°	223.7	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°	7362.0	100.0
0°-180°	7362.0	100.0



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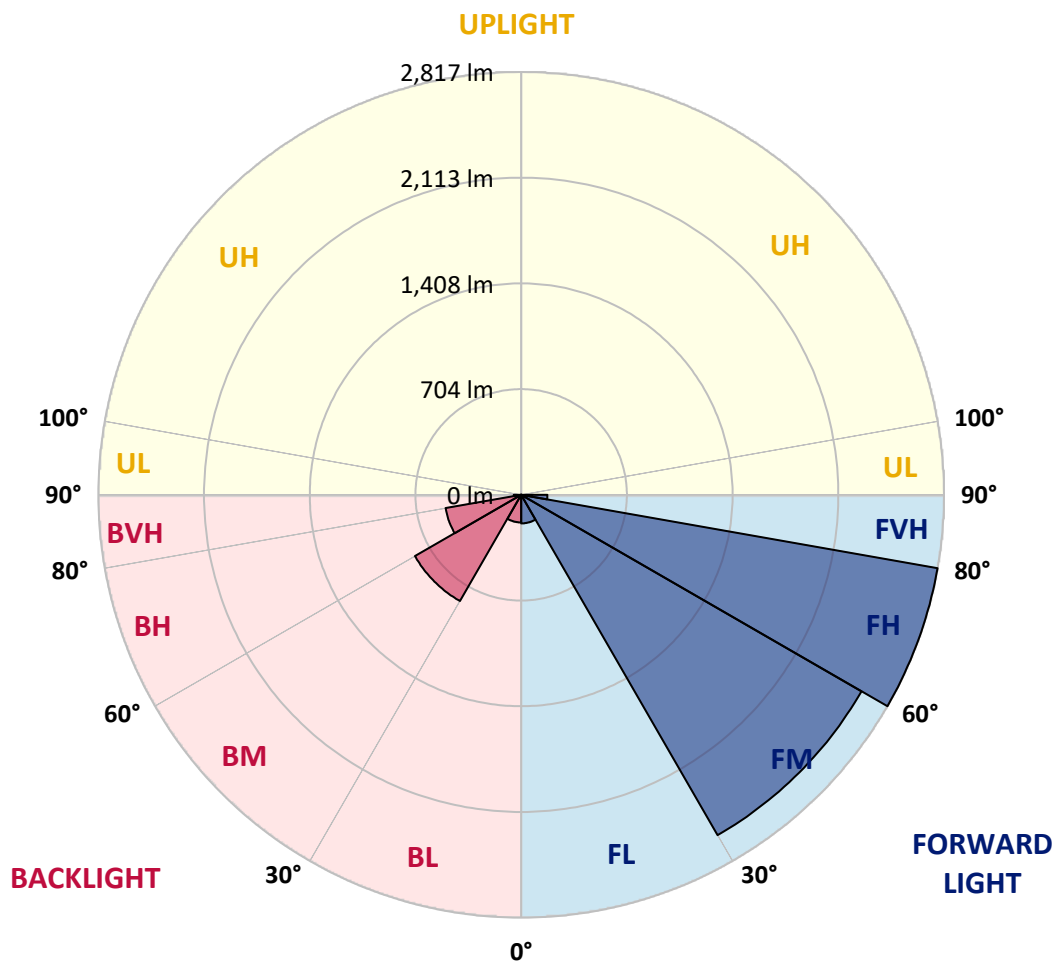
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.7	2.6			
FM (30°-60°)	2618.0	35.6			
FH (60°-80°)	2816.9	38.3			G2/5000
FVH (80°-90°)	174.9	2.4			G2/225
BL (0°-30°)	184.2	2.5	B1/500		
BM (30°-60°)	817.1	11.1	B1/1000		
BH (60°-80°)	511.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	48.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	64.2	46.8	42.0	37.3	22.2	7.9	4.8	3.2	3.2	3.2	3.2
7.5°	135.5	135.5	135.5	136.3	135.5	100.7	23.8	5.5	3.2	3.2	3.2
10°	137.1	136.3	135.5	136.3	137.9	138.7	133.9	19.0	7.9	7.1	7.1
12.5°	248.1	246.5	237.8	166.4	141.1	141.9	145.0	104.6	38.0	100.7	117.3
15°	263.1	261.5	261.5	262.3	248.9	154.5	218.0	285.3	202.9	242.5	246.5
17.5°	294.8	286.1	279.0	274.2	275.8	307.5	309.1	315.4	236.2	271.8	276.6
20°	451.8	448.6	423.2	324.2	302.8	399.4	355.9	350.3	442.2	480.3	488.2
22.5°	516.0	512.8	494.6	477.1	497.7	435.1	506.4	522.3	599.2	576.2	583.3
25°	700.6	698.2	596.8	552.4	607.1	500.1	625.3	598.4	661.8	737.9	745.8
27.5°	857.5	852.0	831.4	745.0	677.6	749.8	691.9	799.7	898.8	911.4	935.2
30°	1018.4	982.0	918.6	921.7	834.6	826.6	824.3	959.8	963.0	982.8	1023.2
32.5°	1281.6	1264.9	1211.8	1047.8	1028.7	918.6	1014.5	1023.2	1257.8	1340.2	1348.1
35°	1492.4	1421.1	1371.1	1278.4	1134.2	1169.8	1130.2	1287.1	1379.8	1432.9	1465.4
37.5°	1828.4	1837.9	1756.3	1418.7	1328.3	1287.1	1356.1	1440.9	1556.6	1569.3	1618.4
40°	2070.2	2063.8	1953.7	1704.8	1502.7	1460.7	1506.7	1589.9	1746.8	1762.6	1774.5
42.5°	2422.1	2391.1	2237.4	1957.6	1770.6	1681.8	1694.5	1729.4	1886.3	1956.8	1942.6
45°	2747.8	2727.2	2571.8	2227.1	2024.2	1920.4	1901.3	1870.4	2059.1	2153.4	2127.2
47.5°	3003.0	2966.5	2877.8	2526.7	2370.5	2193.8	2098.7	2042.4	2230.3	2350.7	2314.3
50°	3276.4	3221.0	3140.9	2823.9	2670.1	2512.4	2303.2	2232.6	2422.8	2542.5	2513.2
52.5°	3457.9	3371.5	3321.6	3088.6	2946.7	2808.8	2502.1	2454.6	2634.5	2749.4	2743.0
55°	3366.8	3363.6	3414.3	3266.9	3129.0	2983.2	2709.0	2706.6	2855.6	2973.7	2979.2
57.5°	3208.3	3224.9	3369.2	3391.4	3332.7	3161.5	2965.0	2988.7	3115.5	3224.9	3236.8
60°	3006.2	3052.1	3259.8	3377.1	3423.8	3339.0	3211.4	3247.9	3399.3	3493.6	3490.4
62.5°	2739.1	2776.3	3034.7	3300.2	3395.3	3475.4	3438.9	3556.2	3675.9	3764.6	3787.6
65°	2423.6	2438.7	2718.5	3076.7	3322.4	3545.1	3629.1	3842.3	3900.2	4036.5	4041.3
67.5°	2074.1	2078.9	2322.2	2749.4	3163.9	3539.6	3790.8	4053.9	4038.9	4183.9	4172.8
69°	1828.4	1862.5	2062.2	2483.1	3010.1	3505.5	3870.9	4123.7	4073.0	4214.8	4166.5
70°	1655.7	1653.3	1881.5	2257.2	2874.6	3461.9	3921.6	4141.9	4073.7	4193.4	4120.5
72.5°	1054.9	1070.7	1268.1	1601.8	2316.6	3209.9	3984.2	4093.6	3986.6	3974.7	3818.5
75°	466.0	423.2	546.9	848.0	1456.7	2496.6	3833.6	3875.6	3738.5	3493.6	3225.7
77.5°	163.3	169.6	206.1	344.8	701.4	1487.6	3177.4	3409.6	3301.8	2712.9	2414.1
80°	116.5	117.3	137.9	192.6	340.0	524.7	2022.6	2466.4	2540.9	1788.8	1537.6
82.5°	82.4	82.4	102.2	122.8	235.4	234.6	870.2	1356.9	1449.6	793.4	593.6
85°	69.0	70.5	78.5	71.3	137.9	119.7	214.8	418.5	343.2	96.7	84.8
87.5°	10.3	9.5	26.9	23.8	20.6	17.4	23.8	26.9	18.2	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	5.5	6.3	7.1	7.1
7.5°	3.2	3.2	3.2	4.0	4.8	7.1	38.8	134.7	147.4	153.8	157.7
10°	6.3	7.1	7.1	7.1	17.4	149.0	177.5	183.9	190.2	193.4	192.6
12.5°	122.8	126.8	31.7	23.0	138.7	186.3	191.8	198.1	204.5	209.2	208.4
15°	252.8	259.2	248.9	257.6	273.4	202.1	206.9	350.3	379.6	385.2	386.0
17.5°	282.2	286.9	291.7	379.6	389.1	299.6	358.2	384.4	387.6	389.1	389.9
20°	537.4	535.0	432.7	416.1	412.1	519.9	380.4	387.6	463.6	527.8	531.0
22.5°	592.8	600.0	571.4	611.1	541.3	526.3	479.5	513.6	542.1	541.3	538.9
25°	768.8	778.3	655.4	635.6	649.1	523.1	598.4	512.8	520.7	521.5	526.3
27.5°	961.4	963.8	909.9	715.7	638.8	647.5	563.5	546.1	610.3	614.2	614.2
30°	1047.0	1062.0	961.4	829.0	661.8	611.9	546.1	595.2	566.7	571.4	571.4
32.5°	1390.9	1379.1	1255.4	821.1	685.6	562.7	570.6	551.6	611.1	626.9	628.5
35°	1481.3	1456.7	1262.5	917.8	639.6	574.6	521.5	560.3	560.3	559.5	555.6
37.5°	1593.0	1550.2	1247.5	849.6	643.6	524.7	503.3	504.1	550.0	560.3	553.2
40°	1725.4	1661.2	1245.1	793.4	583.3	496.9	462.1	485.0	484.3	470.8	462.9
42.5°	1868.9	1784.0	1239.6	726.8	523.9	466.0	435.9	428.8	432.7	408.2	405.8
45°	2036.9	1910.9	1223.7	668.1	476.3	432.7	398.7	387.6	389.1	370.1	365.4
47.5°	2215.2	2041.6	1219.7	622.2	436.7	399.4	371.7	357.4	363.0	341.6	336.8
50°	2414.1	2176.4	1206.3	579.4	393.1	368.5	347.9	331.3	332.1	315.4	311.5
52.5°	2630.5	2307.1	1191.2	520.7	353.5	342.4	330.5	317.8	332.1	309.9	305.1
55°	2852.4	2466.4	1171.4	452.6	317.8	322.6	310.7	320.2	340.8	305.9	299.6
57.5°	3098.9	2616.2	1134.2	378.1	289.3	300.4	308.3	321.0	337.6	305.1	293.2
60°	3332.7	2760.5	1045.4	319.4	264.7	282.2	303.5	316.2	314.6	299.6	291.7
62.5°	3570.5	2879.4	881.3	274.2	244.1	273.4	296.4	302.0	294.8	289.3	284.5
65°	3701.2	2908.7	683.2	244.1	227.5	261.5	287.7	292.5	282.2	282.2	278.2
67.5°	3679.8	2814.4	504.1	219.5	213.2	249.7	272.6	283.7	276.6	282.2	275.8
69°	3594.2	2706.6	396.3	206.9	206.1	240.1	263.9	276.6	271.1	279.0	271.1
70°	3493.6	2598.0	350.3	199.7	198.9	233.0	258.4	271.1	264.7	271.1	263.9
72.5°	3107.6	2229.5	251.2	179.9	182.3	218.7	244.9	254.4	248.9	250.4	240.9
75°	2484.7	1657.2	198.9	163.3	165.6	202.1	229.8	235.4	231.4	224.3	218.7
77.5°	1746.8	1068.4	163.3	148.2	149.0	182.3	214.0	213.2	206.9	199.7	192.6
80°	952.7	502.5	138.7	130.0	132.4	162.5	191.0	188.6	180.7	173.6	164.9
82.5°	412.1	202.9	107.8	103.8	111.0	136.3	164.1	157.7	150.6	153.8	119.7
85°	73.7	69.7	62.6	66.6	75.3	96.7	115.7	110.2	106.2	90.4	83.2
87.5°	6.3	9.5	9.5	11.9	16.6	18.2	32.5	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)