

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: P415841

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415841
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-PA1-60-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6337 lumens
Efficiency: N/A
Efficacy: 99.0 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 (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

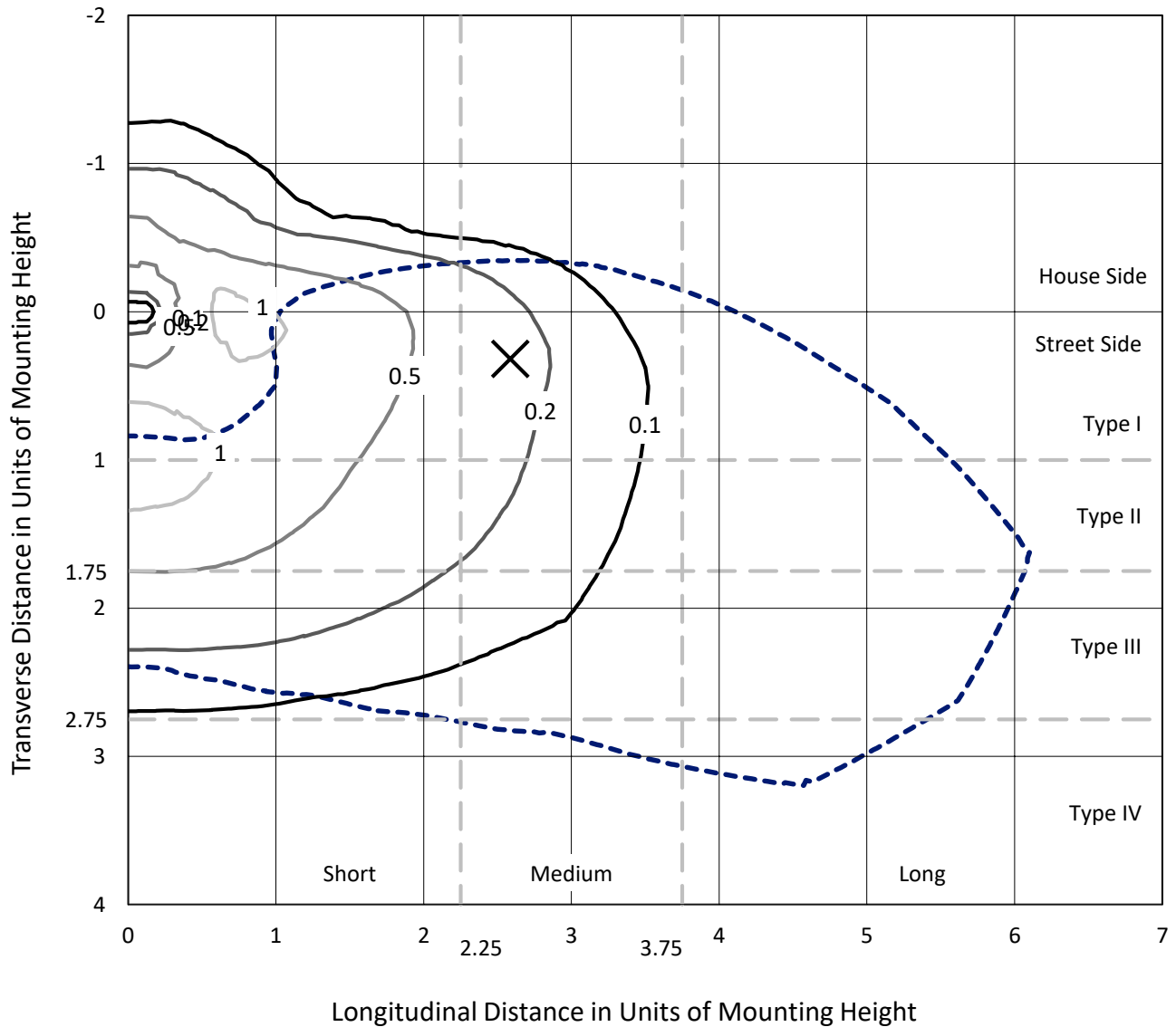


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

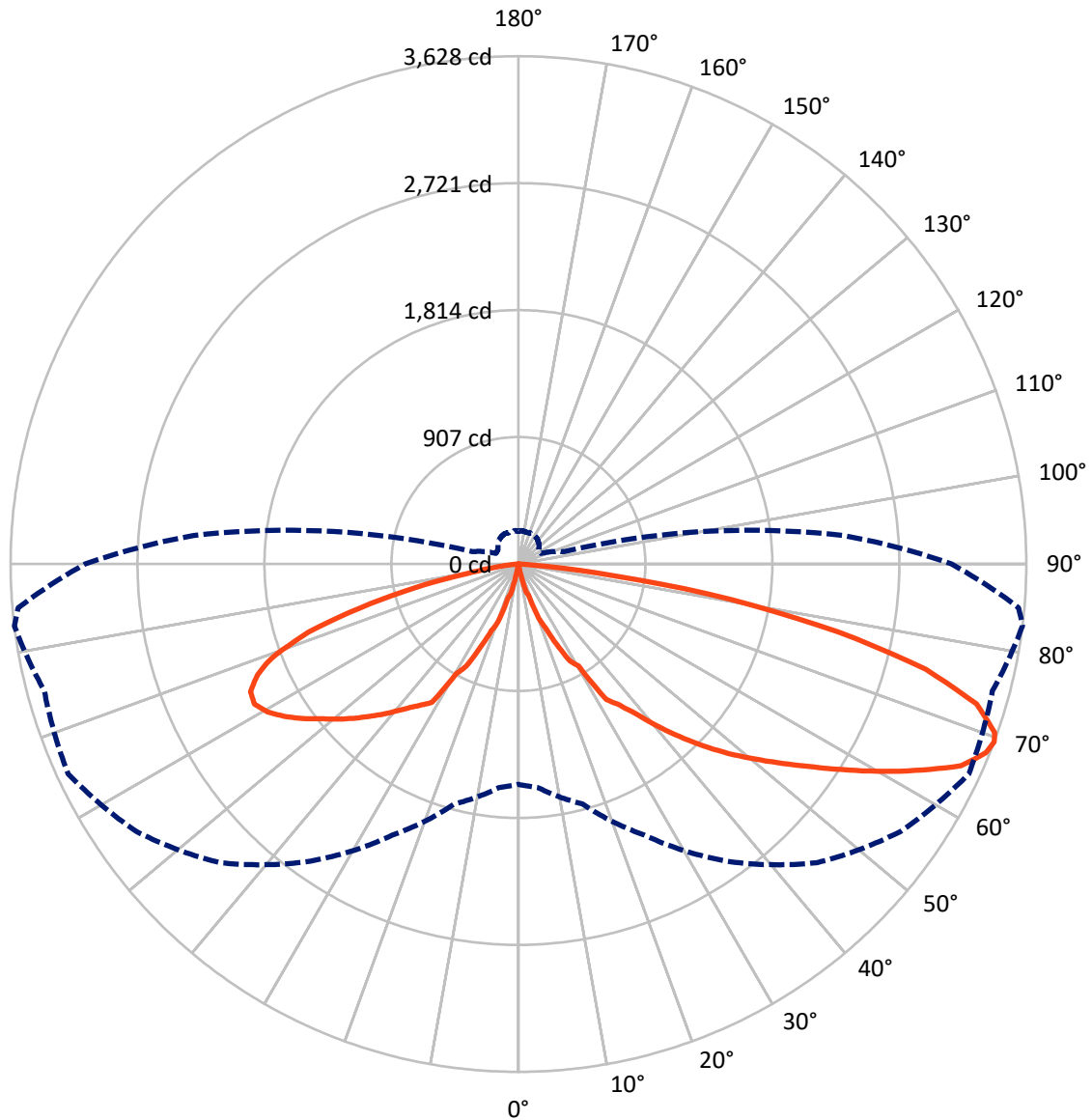


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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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	1344.1	0.0	1344.1
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	4992.9	0.0	4992.9
	% Fixture	78.8	0.0	78.8
Total	Lumens	6337.0	0.0	6337.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	64.4	1.0
20°-30°	254.1	4.0
30°-40°	565.5	8.9
40°-50°	960.3	15.2
50°-60°	1431.1	22.6
60°-70°	1685.3	26.6
70°-80°	1179.6	18.6
80°-90°	192.6	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°	6337.0	100.0
0°-180°	6337.0	100.0



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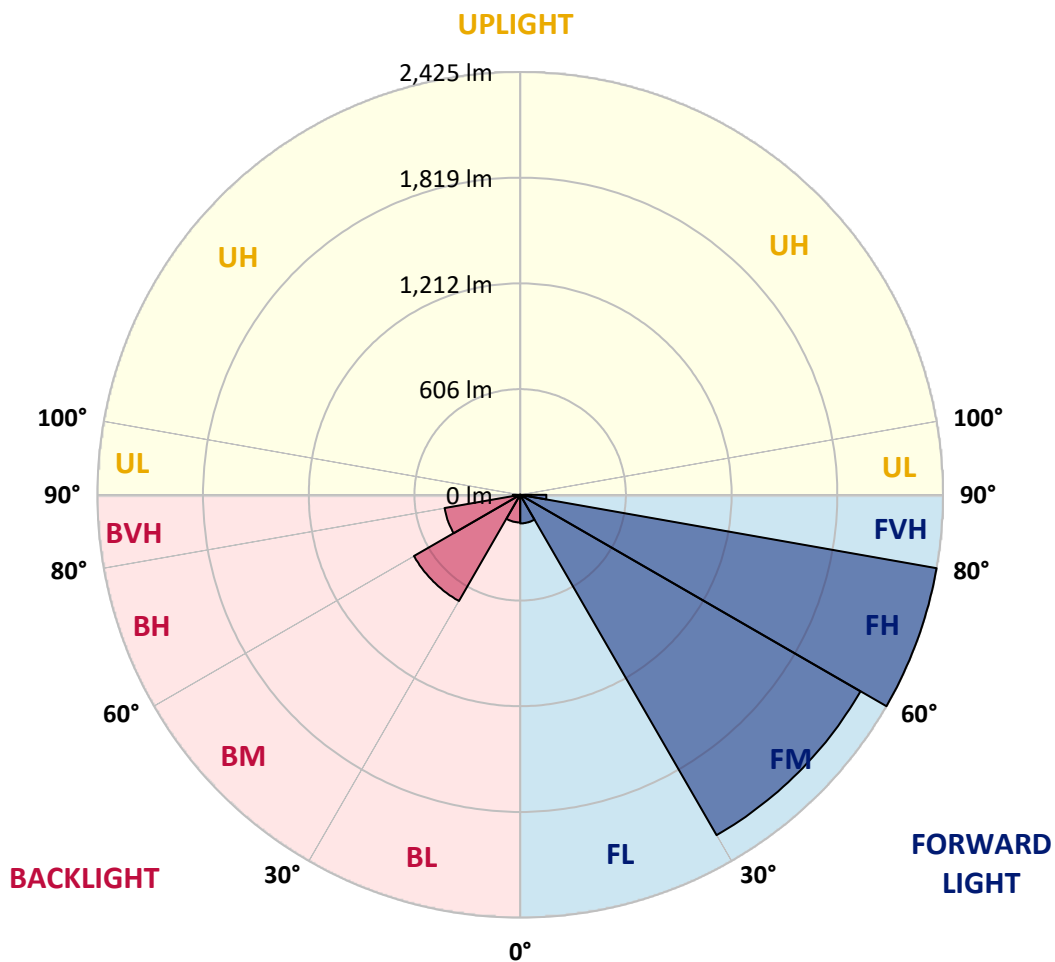
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.1	2.6			
FM	(30°-60°)	2253.5	35.6			
FH	(60°-80°)	2424.7	38.3			G2/5000
FVH	(80°-90°)	150.5	2.4			G2/225
BL	(0°-30°)	158.5	2.5	B1/500		
BM	(30°-60°)	703.3	11.1	B1/1000		
BH	(60°-80°)	440.2	6.9	B1/500		G1/500
BVH	(80°-90°)	42.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.4	2.7	3.4	4.1	4.1	3.4	2.7	2.7	2.7	2.7	2.0
5°	55.3	40.3	36.2	32.1	19.1	6.8	4.1	2.7	2.7	2.7	2.7
7.5°	116.7	116.7	116.7	117.3	116.7	86.6	20.5	4.8	2.7	2.7	2.7
10°	118.0	117.3	116.7	117.3	118.7	119.4	115.3	16.4	6.8	6.1	6.1
12.5°	213.5	212.2	204.7	143.3	121.4	122.1	124.8	90.1	32.7	86.6	101.0
15°	226.5	225.1	225.1	225.8	214.2	133.0	187.6	245.6	174.6	208.8	212.2
17.5°	253.8	246.3	240.1	236.0	237.4	264.7	266.1	271.5	203.3	234.0	238.1
20°	388.9	386.1	364.3	279.0	260.6	343.8	306.3	301.5	380.7	413.4	420.2
22.5°	444.1	441.4	425.7	410.7	428.4	374.5	435.9	449.6	515.8	496.0	502.1
25°	603.1	601.0	513.7	475.5	522.6	430.5	538.3	515.1	569.6	635.1	642.0
27.5°	738.2	733.4	715.6	641.3	583.3	645.4	595.6	688.4	773.6	784.5	805.0
30°	876.6	845.3	790.7	793.4	718.4	711.5	709.5	826.2	828.9	845.9	880.7
32.5°	1103.1	1088.8	1043.1	901.9	885.5	790.7	873.2	880.7	1082.7	1153.6	1160.4
35°	1284.6	1223.2	1180.2	1100.4	976.2	1006.9	972.8	1107.9	1187.7	1233.4	1261.4
37.5°	1573.9	1582.0	1511.8	1221.2	1143.4	1107.9	1167.3	1240.3	1339.9	1350.8	1393.1
40°	1781.9	1776.5	1681.7	1467.4	1293.5	1257.3	1296.9	1368.5	1503.6	1517.2	1527.5
42.5°	2084.8	2058.2	1925.9	1685.1	1524.1	1447.7	1458.6	1488.6	1623.7	1684.4	1672.1
45°	2365.2	2347.5	2213.8	1917.0	1742.4	1653.0	1636.6	1610.0	1772.4	1853.6	1831.1
47.5°	2584.9	2553.5	2477.1	2174.9	2040.5	1888.4	1806.5	1758.1	1919.7	2023.4	1992.1
50°	2820.3	2772.5	2703.6	2430.7	2298.4	2162.6	1982.5	1921.8	2085.5	2188.5	2163.3
52.5°	2976.5	2902.1	2859.1	2658.6	2536.5	2417.8	2153.7	2112.8	2267.7	2366.6	2361.1
55°	2898.0	2895.3	2939.0	2812.1	2693.4	2567.8	2331.8	2329.8	2458.0	2559.7	2564.4
57.5°	2761.6	2775.9	2900.1	2919.2	2868.7	2721.3	2552.2	2572.6	2681.8	2775.9	2786.2
60°	2587.6	2627.2	2805.9	2906.9	2947.2	2874.2	2764.3	2795.7	2926.0	3007.2	3004.5
62.5°	2357.7	2389.8	2612.2	2840.7	2922.6	2991.5	2960.1	3061.1	3164.1	3240.5	3260.3
65°	2086.2	2099.2	2340.0	2648.3	2859.8	3051.5	3123.8	3307.4	3357.2	3474.5	3478.6
67.5°	1785.3	1789.4	1998.9	2366.6	2723.4	3046.8	3263.0	3489.5	3476.5	3601.4	3591.8
69°	1573.9	1603.2	1775.1	2137.4	2591.0	3017.4	3331.9	3549.5	3505.9	3628.0	3586.4
70°	1425.1	1423.1	1619.6	1942.9	2474.4	2979.9	3375.6	3565.2	3506.6	3609.6	3546.8
72.5°	908.0	921.7	1091.5	1378.7	1994.1	2763.0	3429.5	3523.6	3431.5	3421.3	3286.9
75°	401.1	364.3	470.7	730.0	1253.9	2149.0	3299.9	3336.0	3218.0	3007.2	2776.6
77.5°	140.5	146.0	177.4	296.8	603.8	1280.5	2735.0	2934.9	2842.1	2335.2	2078.0
80°	100.3	101.0	118.7	165.8	292.7	451.6	1741.0	2123.0	2187.2	1539.8	1323.5
82.5°	70.9	70.9	88.0	105.7	202.6	201.9	749.1	1167.9	1247.8	682.9	511.0
85°	59.4	60.7	67.5	61.4	118.7	103.0	184.9	360.2	295.4	83.2	73.0
87.5°	8.9	8.2	23.2	20.5	17.7	15.0	20.5	23.2	15.7	12.3	8.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.7	2.7	2.7	2.7	2.0	1.4	1.4	1.4	2.0	2.0	2.0
5°	2.7	2.7	2.7	2.7	2.7	2.7	3.4	4.8	5.5	6.1	6.1
7.5°	2.7	2.7	2.7	3.4	4.1	6.1	33.4	116.0	126.9	132.3	135.8
10°	5.5	6.1	6.1	6.1	15.0	128.3	152.8	158.3	163.7	166.5	165.8
12.5°	105.7	109.2	27.3	19.8	119.4	160.3	165.1	170.6	176.0	180.1	179.4
15°	217.6	223.1	214.2	221.7	235.4	174.0	178.1	301.5	326.8	331.6	332.2
17.5°	242.9	247.0	251.1	326.8	335.0	257.9	308.4	330.9	333.6	335.0	335.6
20°	462.5	460.5	372.5	358.2	354.7	447.5	327.5	333.6	399.1	454.4	457.1
22.5°	510.3	516.4	491.9	526.0	466.0	453.0	412.7	442.1	466.6	466.0	463.9
25°	661.7	669.9	564.2	547.1	558.7	450.3	515.1	441.4	448.2	448.9	453.0
27.5°	827.5	829.6	783.2	616.0	549.9	557.4	485.1	470.0	525.3	528.7	528.7
30°	901.2	914.2	827.5	713.6	569.6	526.7	470.0	512.3	487.8	491.9	491.9
32.5°	1197.3	1187.0	1080.6	706.8	590.1	484.4	491.2	474.8	526.0	539.6	541.0
35°	1275.1	1253.9	1086.8	790.0	550.5	494.6	448.9	482.3	482.3	481.6	478.2
37.5°	1371.2	1334.4	1073.8	731.3	554.0	451.6	433.2	433.9	473.5	482.3	476.2
40°	1485.2	1429.9	1071.8	682.9	502.1	427.7	397.7	417.5	416.8	405.2	398.4
42.5°	1608.7	1535.7	1067.0	625.6	450.9	401.1	375.2	369.1	372.5	351.3	349.3
45°	1753.3	1644.8	1053.3	575.1	410.0	372.5	343.2	333.6	335.0	318.6	314.5
47.5°	1906.8	1757.4	1049.9	535.5	375.9	343.8	320.0	307.7	312.5	294.0	289.9
50°	2078.0	1873.4	1038.3	498.7	338.4	317.2	299.5	285.2	285.8	271.5	268.1
52.5°	2264.3	1985.9	1025.4	448.2	304.3	294.7	284.5	273.6	285.8	266.7	262.7
55°	2455.3	2123.0	1008.3	389.5	273.6	277.7	267.4	275.6	293.4	263.3	257.9
57.5°	2667.4	2252.0	976.2	325.4	249.0	258.6	265.4	276.3	290.6	262.7	252.4
60°	2868.7	2376.1	899.8	274.9	227.9	242.9	261.3	272.2	270.8	257.9	251.1
62.5°	3073.4	2478.5	758.6	236.0	210.1	235.4	255.1	259.9	253.8	249.0	244.9
65°	3185.9	2503.7	588.1	210.1	195.8	225.1	247.6	251.7	242.9	242.9	239.5
67.5°	3167.5	2422.5	433.9	189.0	183.5	214.9	234.7	244.2	238.1	242.9	237.4
69°	3093.8	2329.8	341.1	178.1	177.4	206.7	227.2	238.1	233.3	240.1	233.3
70°	3007.2	2236.3	301.5	171.9	171.2	200.6	222.4	233.3	227.9	233.3	227.2
72.5°	2674.9	1919.1	216.3	154.9	156.9	188.3	210.8	219.0	214.2	215.6	207.4
75°	2138.7	1426.5	171.2	140.5	142.6	174.0	197.8	202.6	199.2	193.1	188.3
77.5°	1503.6	919.6	140.5	127.6	128.3	156.9	184.2	183.5	178.1	171.9	165.8
80°	820.0	432.5	119.4	111.9	113.9	139.9	164.4	162.4	155.5	149.4	141.9
82.5°	354.7	174.6	92.8	89.4	95.5	117.3	141.2	135.8	129.6	132.3	103.0
85°	63.4	60.0	53.9	57.3	64.8	83.2	99.6	94.8	91.4	77.8	71.6
87.5°	5.5	8.2	8.2	10.2	14.3	15.7	28.0	20.5	21.1	8.2	4.1
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)