

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: P416074

Luminaire Tested: **LXF.LXT-PA1-60-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5515 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

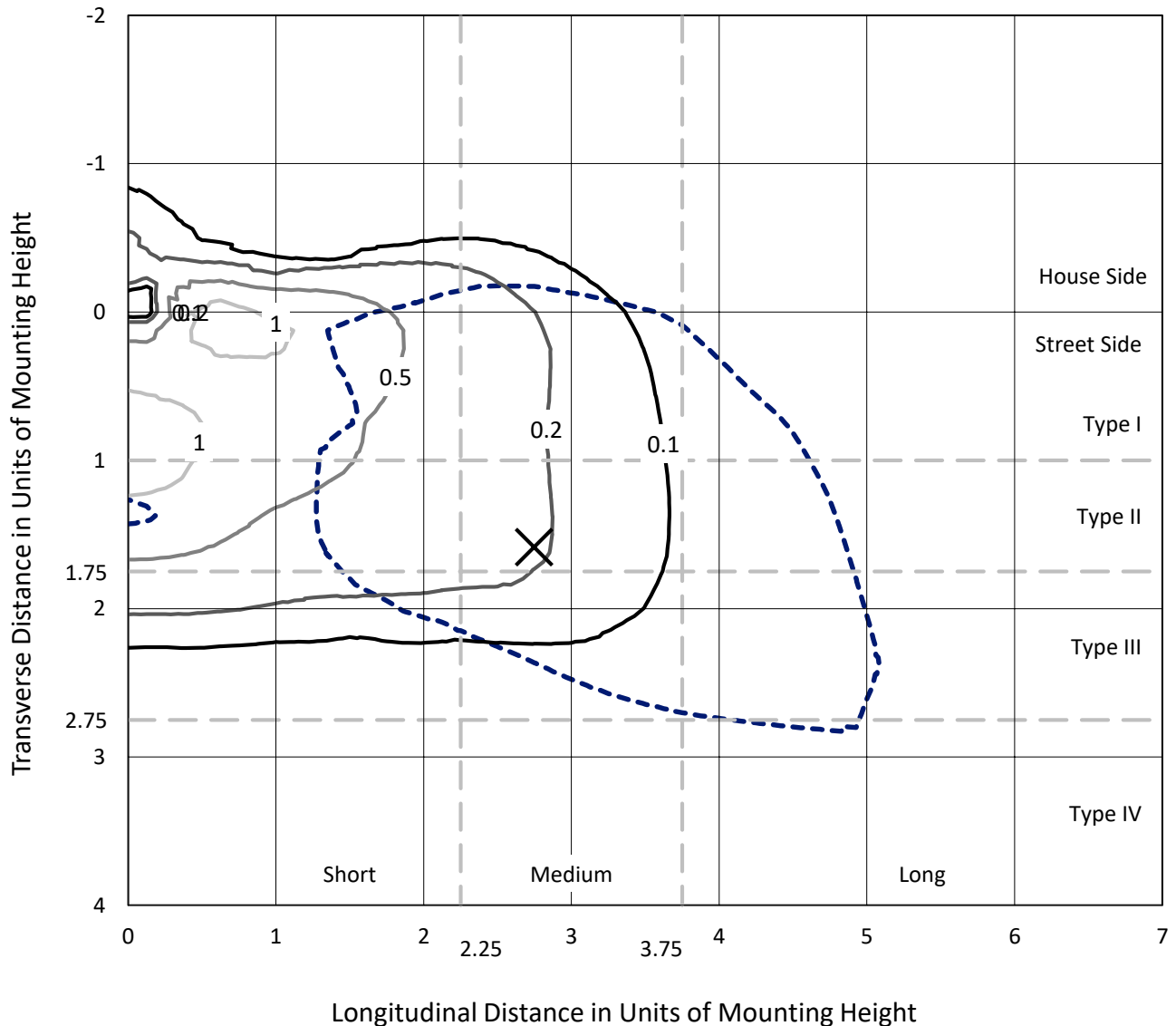
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

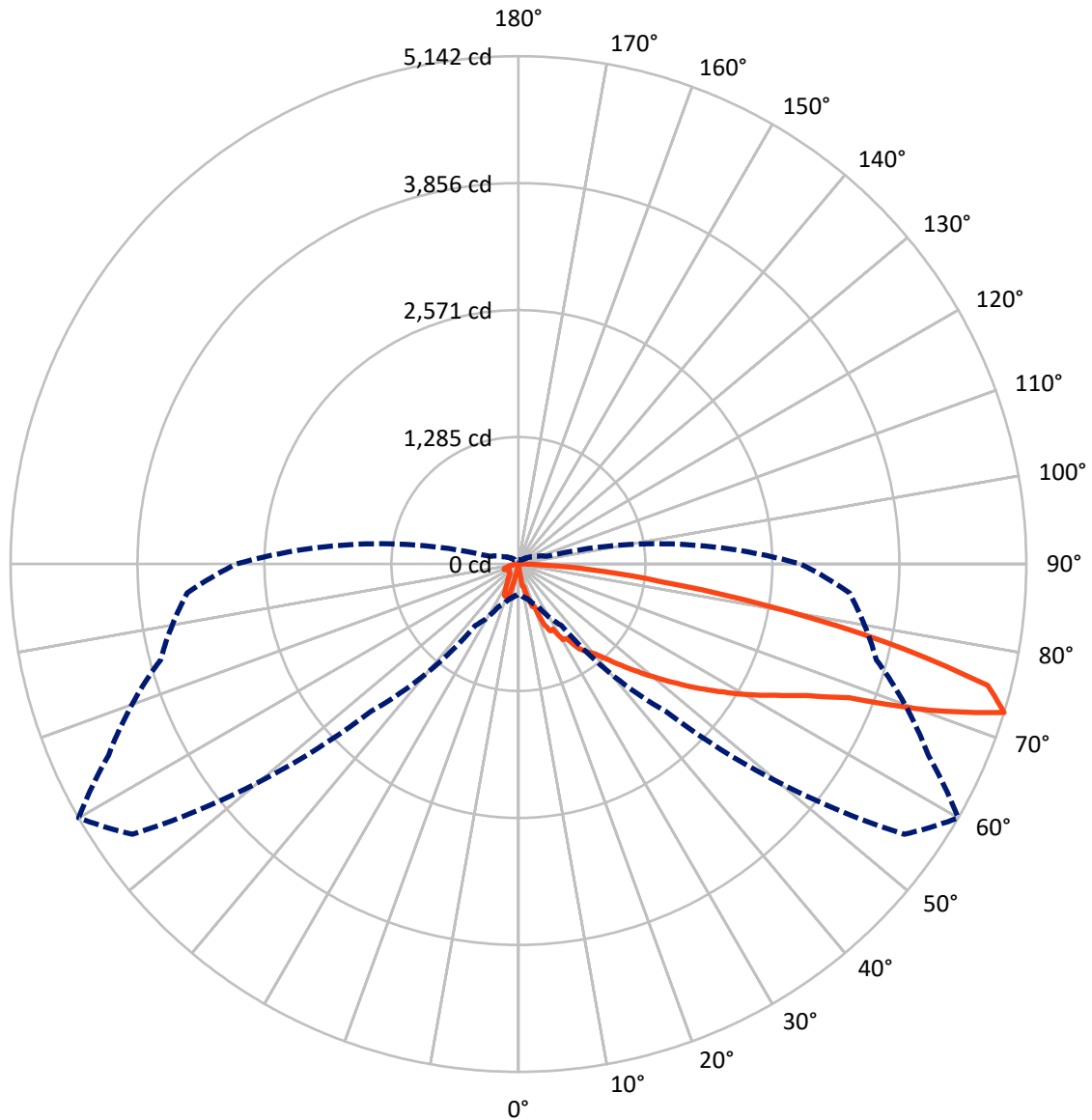
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	794.2	0.0	794.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4720.8	0.0	4720.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	5515.0	0.0	5515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	80.4	1.5
20°-30°	242.1	4.4
30°-40°	478.9	8.7
40°-50°	793.2	14.4
50°-60°	1185.0	21.5
60°-70°	1409.6	25.6
70°-80°	1128.5	20.5
80°-90°	191.5	3.5
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°	5515.0	100.0
0°-180°	5515.0	100.0

Coefficient of Utilization



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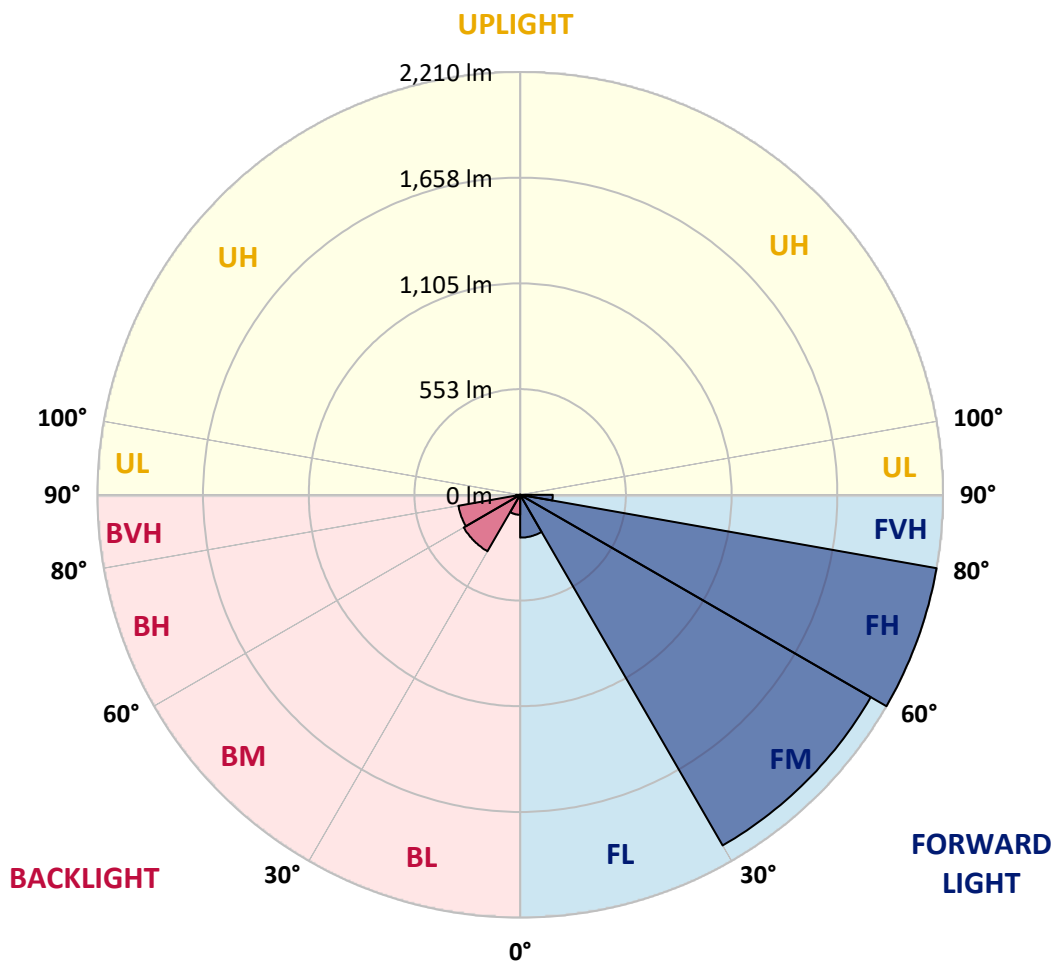
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.8	4.1			
FM	(30°-60°)	2116.3	38.4			
FH	(60°-80°)	2210.2	40.1			G2/5000
FVH	(80°-90°)	170.4	3.1			G2/225
BL	(0°-30°)	104.5	1.9	B0/110		
BM	(30°-60°)	340.8	6.2	B1/1000		
BH	(60°-80°)	327.9	5.9	B1/500		G1/500
BVH	(80°-90°)	21.1	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	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°	3.0	3.0	3.6	4.2	4.2	3.6	3.0	3.0	3.0	2.4	3.0
5°	206.1	103.9	69.7	33.0	24.6	12.0	4.8	3.6	3.6	3.0	3.0
7.5°	236.7	236.7	237.3	239.7	241.5	242.7	30.0	15.6	6.0	3.0	3.0
10°	228.3	226.5	227.7	230.1	232.5	236.1	240.3	228.3	27.0	4.8	3.6
12.5°	421.8	420.6	406.1	247.5	229.5	229.5	235.5	236.1	185.7	18.0	17.4
15°	406.7	406.1	408.0	412.2	418.8	237.3	240.9	350.9	457.2	322.0	374.3
17.5°	418.2	413.4	402.5	400.1	406.1	381.5	448.8	454.2	464.4	370.1	379.1
20°	573.8	572.0	572.0	481.9	397.1	555.2	526.9	454.8	466.8	535.3	670.5
22.5°	572.0	569.0	564.8	564.2	647.1	540.1	548.5	657.9	684.3	784.7	757.6
25°	777.5	769.6	651.9	568.4	642.9	605.0	733.0	752.2	695.7	814.1	775.0
27.5°	844.1	829.1	791.9	725.8	647.7	735.4	731.8	747.4	767.2	1112.7	1065.2
30°	1146.4	1075.5	876.0	842.9	774.4	744.4	833.9	888.6	969.1	1089.9	1109.7
32.5°	1282.7	1256.9	1159.6	1037.6	904.8	803.9	912.0	898.2	976.3	1324.8	1422.7
35°	1577.1	1545.3	1278.5	1168.6	1052.0	985.3	937.9	1049.0	1145.1	1377.7	1449.8
37.5°	1634.8	1627.6	1565.7	1368.7	1212.4	1083.3	1097.7	1127.7	1190.2	1451.6	1526.1
40°	1679.9	1680.5	1698.5	1528.5	1360.2	1240.7	1197.4	1198.0	1251.5	1572.9	1624.0
42.5°	1798.8	1803.6	1852.3	1670.9	1539.3	1424.5	1349.4	1316.4	1357.2	1712.3	1744.2
45°	2013.3	2002.5	2044.0	1817.5	1673.9	1575.3	1515.2	1464.8	1486.4	1860.7	1897.4
47.5°	2283.1	2260.3	2246.4	2000.1	1820.5	1735.7	1679.9	1627.0	1633.6	2002.5	2072.8
50°	2491.6	2480.2	2408.7	2138.3	1946.6	1897.4	1873.9	1808.4	1780.2	2160.5	2273.5
52.5°	2580.5	2569.7	2481.4	2242.8	2046.4	2051.8	2092.6	2007.3	1928.0	2331.8	2464.5
55°	2564.9	2555.9	2497.6	2294.5	2118.5	2200.8	2307.7	2222.4	2119.7	2493.4	2659.2
57.5°	2449.5	2453.7	2453.1	2298.1	2173.7	2340.8	2518.0	2444.7	2322.7	2653.8	2817.2
60°	2194.8	2217.0	2299.9	2272.3	2244.0	2472.9	2722.3	2688.0	2558.9	2829.8	2963.2
62.5°	1758.0	1801.8	1983.3	2131.1	2300.5	2658.0	2921.8	2926.0	2803.4	2966.2	3076.2
65°	1186.0	1182.4	1452.8	1819.3	2233.8	2948.8	3219.8	3211.3	3029.9	3121.8	3242.6
67.5°	659.1	673.5	850.8	1204.0	1977.3	3129.0	3791.7	3611.5	3342.3	3359.1	3476.3
70°	408.0	425.4	484.9	672.9	1265.9	2918.7	4526.5	4442.4	3919.7	3674.0	3570.6
72.5°	310.0	319.6	367.7	477.0	761.8	2111.3	4770.5	5141.8	4578.2	3751.5	3365.2
75°	185.1	196.5	262.0	412.2	635.1	1092.9	4136.0	4906.2	4787.3	3702.2	2936.8
77.5°	115.4	118.4	141.2	287.8	585.2	687.9	2833.4	3800.1	3901.7	3135.6	2075.2
80°	88.3	88.9	97.3	153.2	472.8	651.3	1640.8	2537.8	2487.4	1674.5	815.3
82.5°	55.9	59.5	75.7	93.7	224.7	635.1	969.7	1445.0	1271.9	453.0	227.1
85°	28.2	31.8	53.5	64.3	108.7	687.9	687.9	740.8	520.9	152.0	85.9
87.5°	4.8	4.8	7.2	16.8	21.6	116.6	192.3	167.6	110.5	20.4	16.8
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°	3.0	3.0	3.0	2.4	1.8	1.2	0.6	0.6	0.6	1.2	1.2
5°	3.0	3.0	3.0	2.4	1.8	1.2	0.6	0.6	1.2	1.8	1.8
7.5°	3.0	3.0	3.0	2.4	1.8	1.8	1.2	2.4	5.4	70.3	47.5
10°	3.6	3.6	3.6	3.0	2.4	6.6	205.5	216.9	217.5	216.3	213.9
12.5°	19.2	21.0	15.6	5.4	22.2	206.1	197.7	188.1	184.4	180.2	180.2
15°	379.7	374.9	353.9	260.8	159.8	183.8	165.2	152.6	236.7	233.7	236.1
17.5°	380.9	372.5	342.5	373.1	346.1	165.2	187.5	203.7	192.3	188.1	189.9
20°	722.8	683.7	347.3	347.9	296.8	293.2	159.2	150.2	152.0	155.6	156.8
22.5°	736.0	690.9	532.9	450.6	254.7	234.9	162.8	130.4	192.9	214.5	216.9
25°	742.0	685.5	503.5	398.9	287.8	176.0	157.4	143.0	176.0	197.7	198.9
27.5°	1049.0	950.5	687.9	338.9	222.3	154.4	147.2	134.6	158.0	195.9	196.5
30°	1040.0	924.0	637.5	328.0	171.8	142.4	127.4	140.6	149.0	159.2	159.2
32.5°	1352.4	1186.0	707.2	264.4	144.2	118.4	120.2	128.0	128.6	152.0	153.8
35°	1353.0	1160.2	609.2	241.5	123.8	108.1	109.9	118.4	131.0	146.0	148.4
37.5°	1374.1	1148.8	525.1	188.1	123.8	108.1	104.5	113.0	122.0	143.0	145.4
40°	1418.5	1153.6	445.2	156.2	119.6	106.3	103.3	109.9	120.8	132.8	134.0
42.5°	1494.2	1180.6	369.5	141.2	116.6	106.3	99.1	103.9	109.9	134.6	137.0
45°	1614.4	1238.3	311.2	135.2	115.4	102.1	94.3	95.5	99.7	159.2	165.8
47.5°	1755.0	1318.2	260.8	132.2	113.6	97.9	87.1	88.3	97.9	180.8	189.9
50°	1917.2	1436.5	230.7	131.6	111.8	91.9	81.7	88.3	108.1	180.2	184.4
52.5°	2107.6	1556.7	214.5	134.0	110.5	86.5	84.7	99.1	102.7	144.8	144.8
55°	2278.9	1690.1	215.7	135.8	106.9	86.5	87.1	84.1	81.1	99.7	100.3
57.5°	2447.1	1822.9	235.5	132.2	101.5	87.1	75.1	69.1	70.3	84.7	86.5
60°	2593.1	1950.8	295.0	124.4	96.7	78.7	69.7	64.9	66.1	85.3	87.1
62.5°	2750.5	2107.0	408.6	127.4	96.1	74.5	64.9	59.5	61.9	70.9	72.1
65°	2963.2	2325.1	510.7	150.2	99.7	72.1	59.5	56.5	57.1	57.7	57.7
67.5°	3171.7	2459.7	492.7	177.2	111.8	70.9	56.5	52.9	52.3	52.3	52.3
70°	3151.3	2313.7	390.5	188.1	121.4	70.9	54.1	49.3	48.1	48.1	48.1
72.5°	2856.3	1979.1	299.8	174.2	111.8	67.9	50.5	45.1	43.3	43.3	43.3
75°	2430.3	1587.3	251.7	151.4	91.3	58.3	44.5	40.3	39.1	39.1	38.5
77.5°	1552.5	938.5	213.9	123.2	70.3	47.5	38.5	34.8	34.8	34.8	33.0
80°	623.0	412.8	166.4	97.3	54.7	37.9	31.8	30.0	29.4	28.8	27.0
82.5°	236.7	203.7	108.1	70.9	42.1	28.8	25.8	24.0	24.0	23.4	20.4
85°	84.7	79.3	49.9	40.9	25.8	18.0	19.8	18.0	17.4	15.6	13.2
87.5°	18.0	19.8	13.8	9.0	9.0	5.4	6.6	7.2	7.2	6.6	3.6
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)