

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: P415814

Luminaire Tested: **LXF.LXT-PA1-60-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415814
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-PA1-60-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 6274 lumens
Efficiency: N/A
Efficacy: 98.0 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

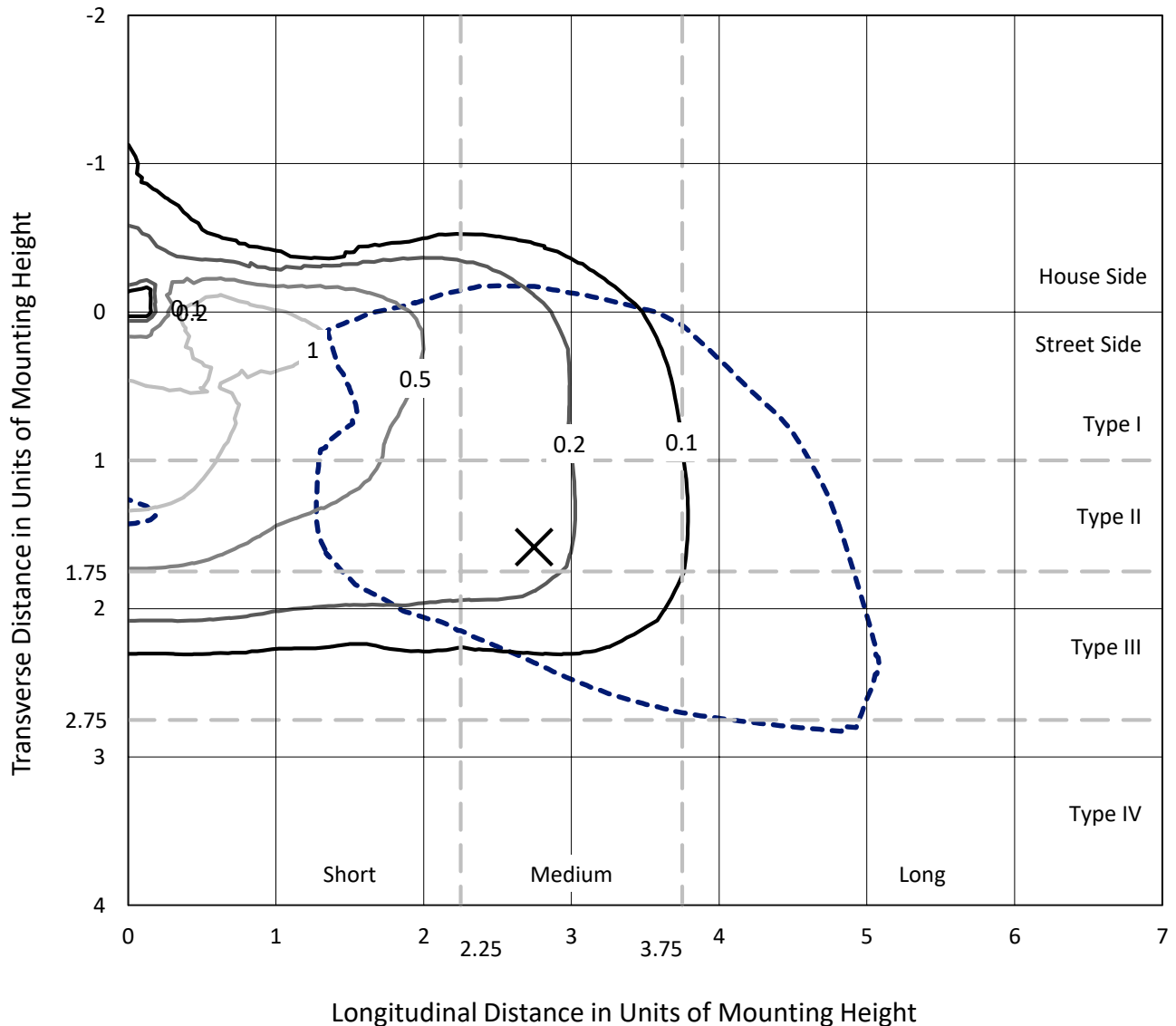
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

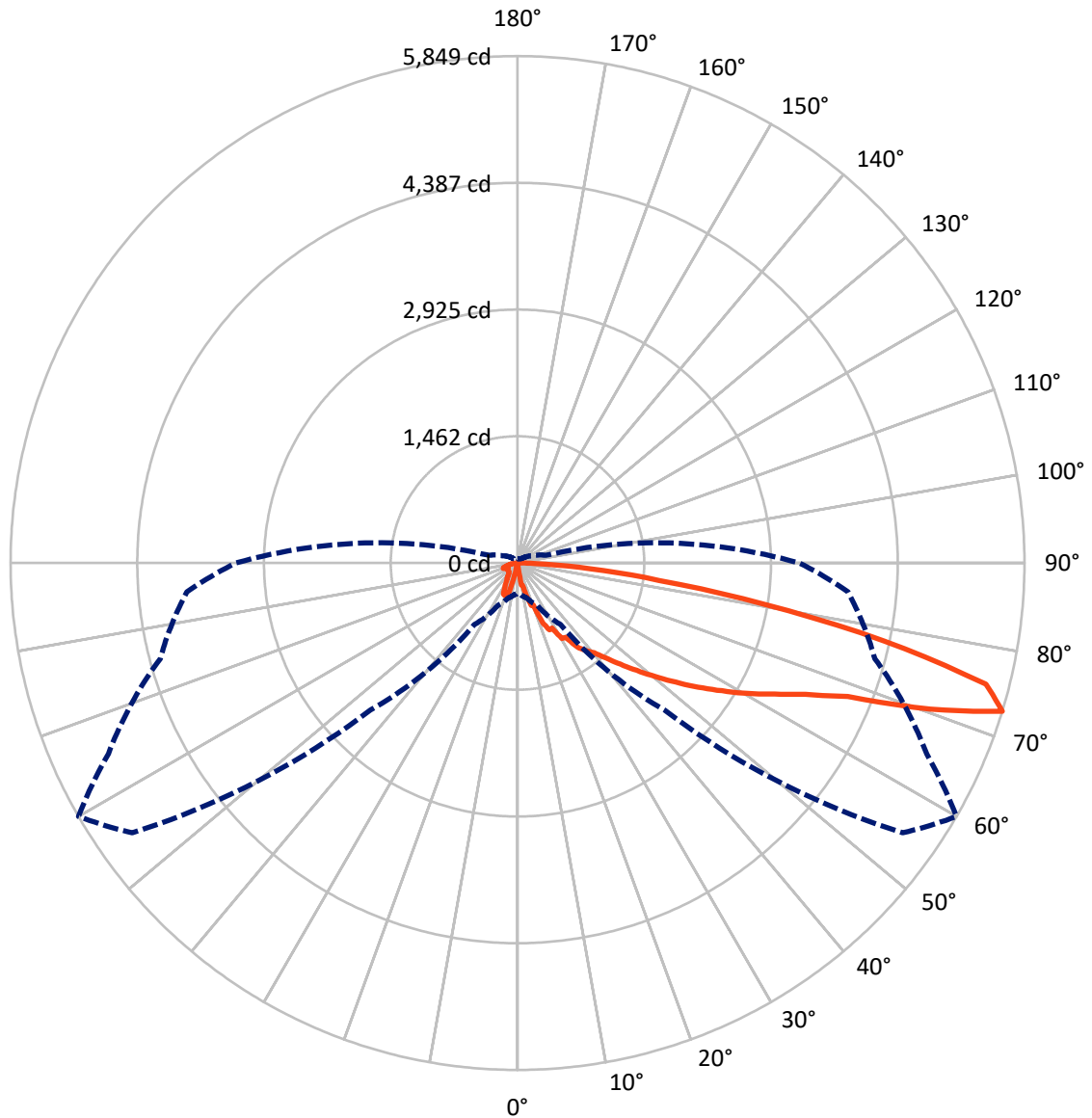
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	903.5	0.0	903.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5370.4	0.0	5370.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	6274.0	0.0	6274.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	91.5	1.5
20°-30°	275.4	4.4
30°-40°	544.8	8.7
40°-50°	902.4	14.4
50°-60°	1348.0	21.5
60°-70°	1603.6	25.6
70°-80°	1283.8	20.5
80°-90°	217.9	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°	6274.0	100.0
0°-180°	6274.0	100.0



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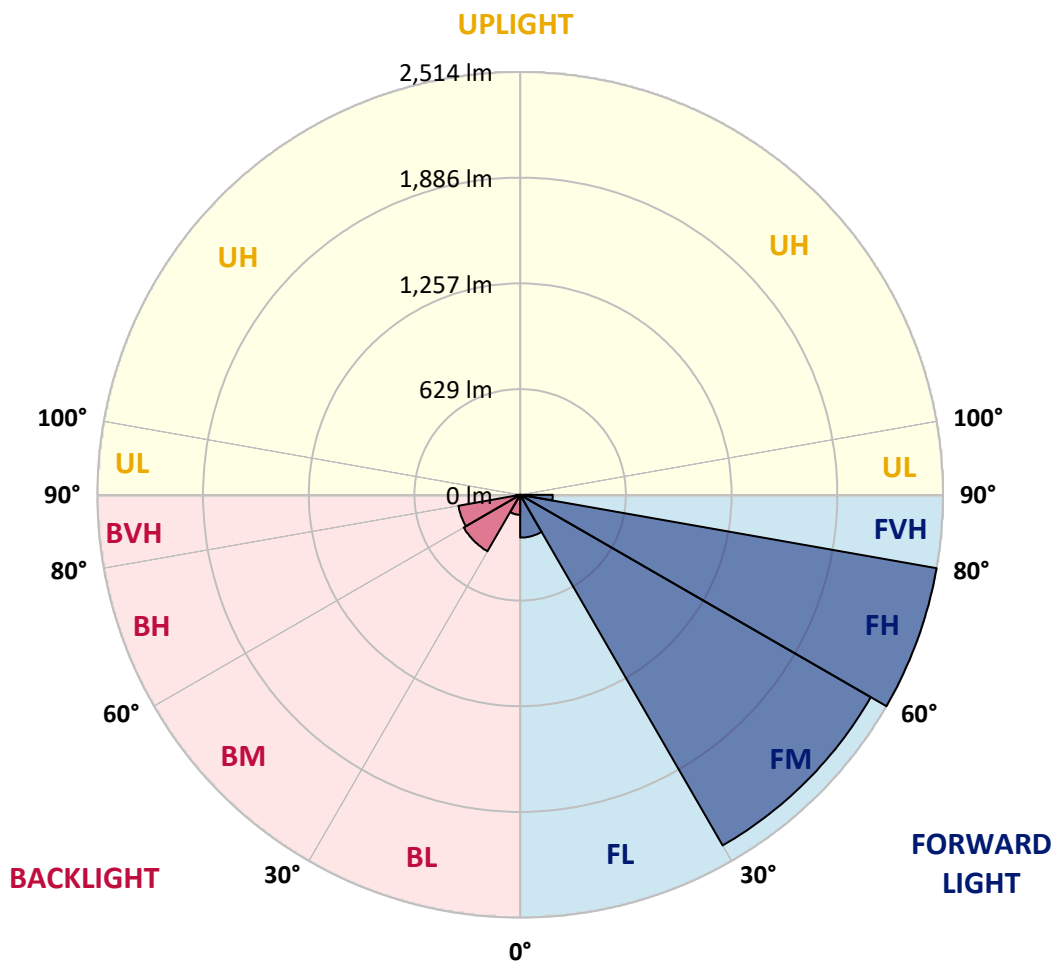
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.6	4.1			
FM	(30°-60°)	2407.5	38.4			
FH	(60°-80°)	2514.4	40.1			G2/5000
FVH	(80°-90°)	193.9	3.1			G2/225
BL	(0°-30°)	118.9	1.9	B1/500		
BM	(30°-60°)	387.7	6.2	B1/1000		
BH	(60°-80°)	373.0	5.9	B1/500		G1/500
BVH	(80°-90°)	24.0	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.4	3.4	4.1	4.8	4.8	4.1	3.4	3.4	3.4	2.7	3.4
5°	234.4	118.2	79.3	37.6	28.0	13.7	5.5	4.1	4.1	3.4	3.4
7.5°	269.3	269.3	270.0	272.7	274.8	276.1	34.2	17.8	6.8	3.4	3.4
10°	259.7	257.7	259.0	261.8	264.5	268.6	273.4	259.7	30.8	5.5	4.1
12.5°	479.8	478.4	462.0	281.6	261.1	261.1	267.9	268.6	211.2	20.5	19.8
15°	462.7	462.0	464.1	468.9	476.4	270.0	274.1	399.2	520.1	366.4	425.8
17.5°	475.7	470.2	457.9	455.2	462.0	434.0	510.6	516.7	528.3	421.0	431.3
20°	652.7	650.7	650.7	548.2	451.8	631.6	599.4	517.4	531.1	609.0	762.8
22.5°	650.7	647.3	642.5	641.8	736.1	614.5	624.0	748.4	778.5	892.6	861.9
25°	884.4	875.6	741.6	646.6	731.3	688.3	833.9	855.7	791.5	926.1	881.7
27.5°	960.3	943.2	900.9	825.7	736.8	836.6	832.5	850.3	872.8	1265.8	1211.8
30°	1304.1	1223.5	996.5	958.9	881.0	846.9	948.7	1010.9	1102.5	1239.9	1262.4
32.5°	1459.3	1429.9	1319.2	1180.4	1029.3	914.5	1037.6	1021.8	1110.7	1507.1	1618.5
35°	1794.2	1758.0	1454.5	1329.4	1196.8	1120.9	1066.9	1193.4	1302.7	1567.3	1649.3
37.5°	1859.8	1851.6	1781.2	1557.0	1379.3	1232.3	1248.8	1282.9	1354.0	1651.3	1736.1
40°	1911.1	1911.7	1932.3	1738.8	1547.4	1411.4	1362.2	1362.9	1423.7	1789.4	1847.5
42.5°	2046.4	2051.9	2107.2	1900.8	1751.1	1620.6	1535.1	1497.5	1544.0	1948.0	1984.2
45°	2290.4	2278.1	2325.3	2067.6	1904.2	1792.1	1723.8	1666.4	1691.0	2116.8	2158.5
47.5°	2597.3	2571.3	2555.6	2275.4	2071.0	1974.6	1911.1	1850.9	1858.4	2278.1	2358.1
50°	2834.5	2821.5	2740.1	2432.6	2214.5	2158.5	2131.8	2057.3	2025.2	2457.9	2586.4
52.5°	2935.6	2923.3	2822.9	2551.5	2328.0	2334.1	2380.6	2283.6	2193.3	2652.7	2803.7
55°	2917.9	2907.6	2841.3	2610.3	2410.0	2503.7	2625.3	2528.3	2411.4	2836.5	3025.2
57.5°	2786.6	2791.4	2790.7	2614.4	2472.9	2662.9	2864.5	2781.2	2642.4	3019.0	3204.9
60°	2496.8	2522.1	2616.4	2585.0	2552.9	2813.3	3096.9	3058.0	2911.0	3219.3	3371.0
62.5°	1999.9	2049.8	2256.2	2424.4	2617.1	3023.8	3323.9	3328.6	3189.2	3374.4	3499.5
65°	1349.2	1345.1	1652.7	2069.6	2541.2	3354.6	3662.9	3653.3	3446.9	3551.5	3688.8
67.5°	749.8	766.2	967.8	1369.7	2249.4	3559.7	4313.6	4108.5	3802.3	3821.4	3954.7
70°	464.1	483.9	551.6	765.5	1440.1	3320.4	5149.5	5053.8	4459.1	4179.6	4062.0
72.5°	352.7	363.6	418.3	542.7	866.7	2401.8	5427.0	5849.4	5208.3	4267.8	3828.3
75°	210.5	223.5	298.0	468.9	722.5	1243.3	4705.2	5581.5	5446.1	4211.7	3340.9
77.5°	131.2	134.6	160.6	327.4	665.7	782.6	3223.4	4323.1	4438.6	3567.2	2360.8
80°	100.5	101.2	110.7	174.3	537.9	740.9	1866.6	2887.1	2829.7	1904.9	927.5
82.5°	63.6	67.7	86.1	106.6	255.6	722.5	1103.2	1643.8	1447.0	515.4	258.4
85°	32.1	36.2	60.8	73.1	123.7	782.6	782.6	842.8	592.6	172.9	97.7
87.5°	5.5	5.5	8.2	19.1	24.6	132.6	218.7	190.7	125.8	23.2	19.1
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	3.4	3.4	3.4	2.7	2.1	1.4	0.7	0.7	0.7	1.4	1.4
5°	3.4	3.4	3.4	2.7	2.1	1.4	0.7	0.7	1.4	2.1	2.1
7.5°	3.4	3.4	3.4	2.7	2.1	2.1	1.4	2.7	6.2	80.0	54.0
10°	4.1	4.1	4.1	3.4	2.7	7.5	233.8	246.7	247.4	246.1	243.3
12.5°	21.9	23.9	17.8	6.2	25.3	234.4	224.9	213.9	209.8	205.0	205.0
15°	432.0	426.5	402.6	296.6	181.8	209.2	188.0	173.6	269.3	265.9	268.6
17.5°	433.3	423.8	389.6	424.5	393.7	188.0	213.3	231.7	218.7	213.9	216.0
20°	822.2	777.8	395.1	395.7	337.6	333.5	181.1	170.9	172.9	177.0	178.4
22.5°	837.3	786.0	606.3	512.6	289.8	267.2	185.2	148.3	219.4	244.0	246.7
25°	844.1	779.9	572.8	453.8	327.4	200.3	179.1	162.7	200.3	224.9	226.2
27.5°	1193.4	1081.3	782.6	385.5	252.9	175.7	167.5	153.1	179.8	222.8	223.5
30°	1183.1	1051.2	725.2	373.2	195.5	162.0	144.9	159.9	169.5	181.1	181.1
32.5°	1538.6	1349.2	804.5	300.7	164.0	134.6	136.7	145.6	146.3	172.9	175.0
35°	1539.2	1319.8	693.1	274.8	140.8	123.0	125.1	134.6	149.0	166.1	168.8
37.5°	1563.2	1306.9	597.4	213.9	140.8	123.0	118.9	128.5	138.8	162.7	165.4
40°	1613.7	1312.3	506.5	177.7	136.0	121.0	117.6	125.1	137.4	151.1	152.4
42.5°	1699.9	1343.1	420.4	160.6	132.6	121.0	112.8	118.2	125.1	153.1	155.8
45°	1836.6	1408.7	354.1	153.8	131.2	116.2	107.3	108.7	113.5	181.1	188.6
47.5°	1996.5	1499.6	296.6	150.4	129.2	111.4	99.1	100.5	111.4	205.7	216.0
50°	2181.0	1634.2	262.5	149.7	127.1	104.6	93.0	100.5	123.0	205.0	209.8
52.5°	2397.7	1770.9	244.0	152.4	125.8	98.4	96.4	112.8	116.9	164.7	164.7
55°	2592.5	1922.7	245.4	154.5	121.7	98.4	99.1	95.7	92.3	113.5	114.1
57.5°	2783.9	2073.7	267.9	150.4	115.5	99.1	85.4	78.6	80.0	96.4	98.4
60°	2950.0	2219.3	335.6	141.5	110.0	89.5	79.3	73.8	75.2	97.1	99.1
62.5°	3129.1	2397.0	464.8	144.9	109.4	84.8	73.8	67.7	70.4	80.7	82.0
65°	3371.0	2645.1	581.0	170.9	113.5	82.0	67.7	64.2	64.9	65.6	65.6
67.5°	3608.2	2798.2	560.5	201.6	127.1	80.7	64.2	60.1	59.5	59.5	59.5
70°	3585.0	2632.2	444.3	213.9	138.1	80.7	61.5	56.0	54.7	54.7	54.7
72.5°	3249.4	2251.4	341.1	198.2	127.1	77.2	57.4	51.3	49.2	49.2	49.2
75°	2764.8	1805.8	286.4	172.2	103.9	66.3	50.6	45.8	44.4	44.4	43.7
77.5°	1766.2	1067.6	243.3	140.1	80.0	54.0	43.7	39.6	39.6	39.6	37.6
80°	708.8	469.6	189.3	110.7	62.2	43.1	36.2	34.2	33.5	32.8	30.8
82.5°	269.3	231.7	123.0	80.7	47.8	32.8	29.4	27.3	27.3	26.7	23.2
85°	96.4	90.2	56.7	46.5	29.4	20.5	22.6	20.5	19.8	17.8	15.0
87.5°	20.5	22.6	15.7	10.3	10.3	6.2	7.5	8.2	8.2	7.5	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)