

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: P416646

Luminaire Tested: **LXF.LXT-PA1-80-727-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416646
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-PA1-80-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 7692 lumens
Efficiency: N/A
Efficacy: 92.7 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 - G3

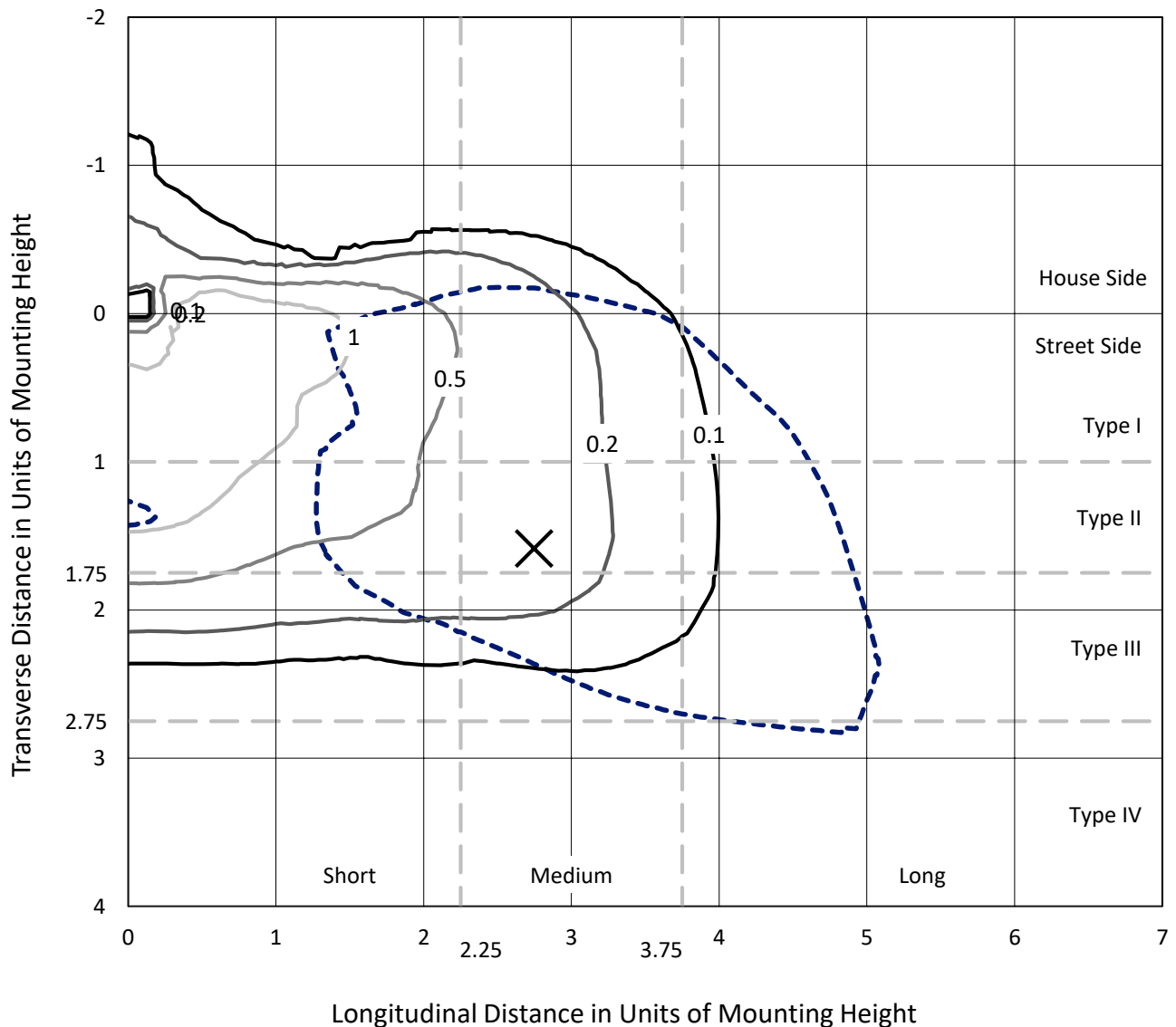
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

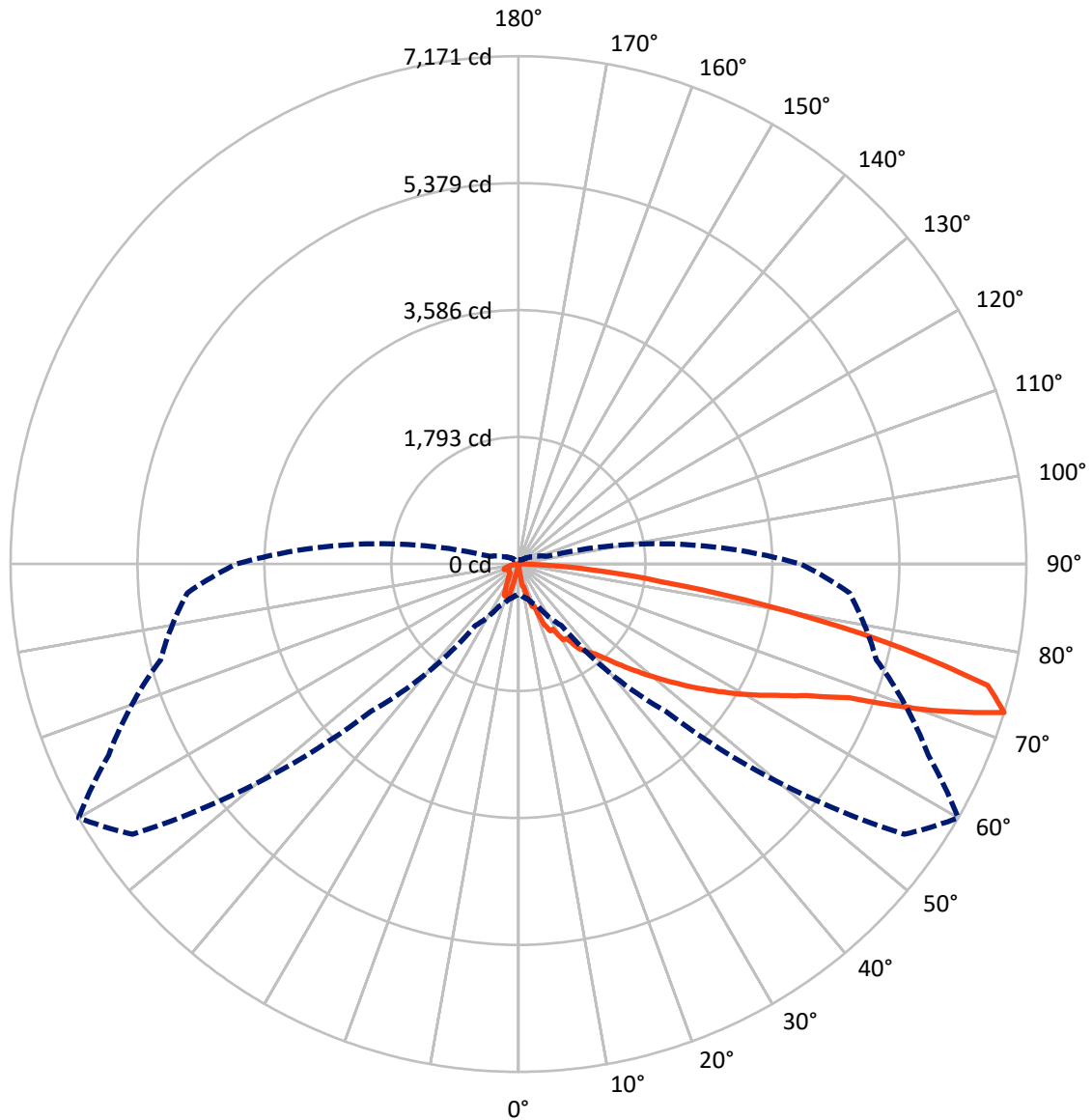
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	1107.8	0.0	1107.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6584.2	0.0	6584.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	7692.0	0.0	7692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	112.2	1.5
20°-30°	337.7	4.4
30°-40°	667.9	8.7
40°-50°	1106.3	14.4
50°-60°	1652.7	21.5
60°-70°	1966.1	25.6
70°-80°	1573.9	20.5
80°-90°	267.1	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°	7692.0	100.0
0°-180°	7692.0	100.0

Coefficient of Utilization



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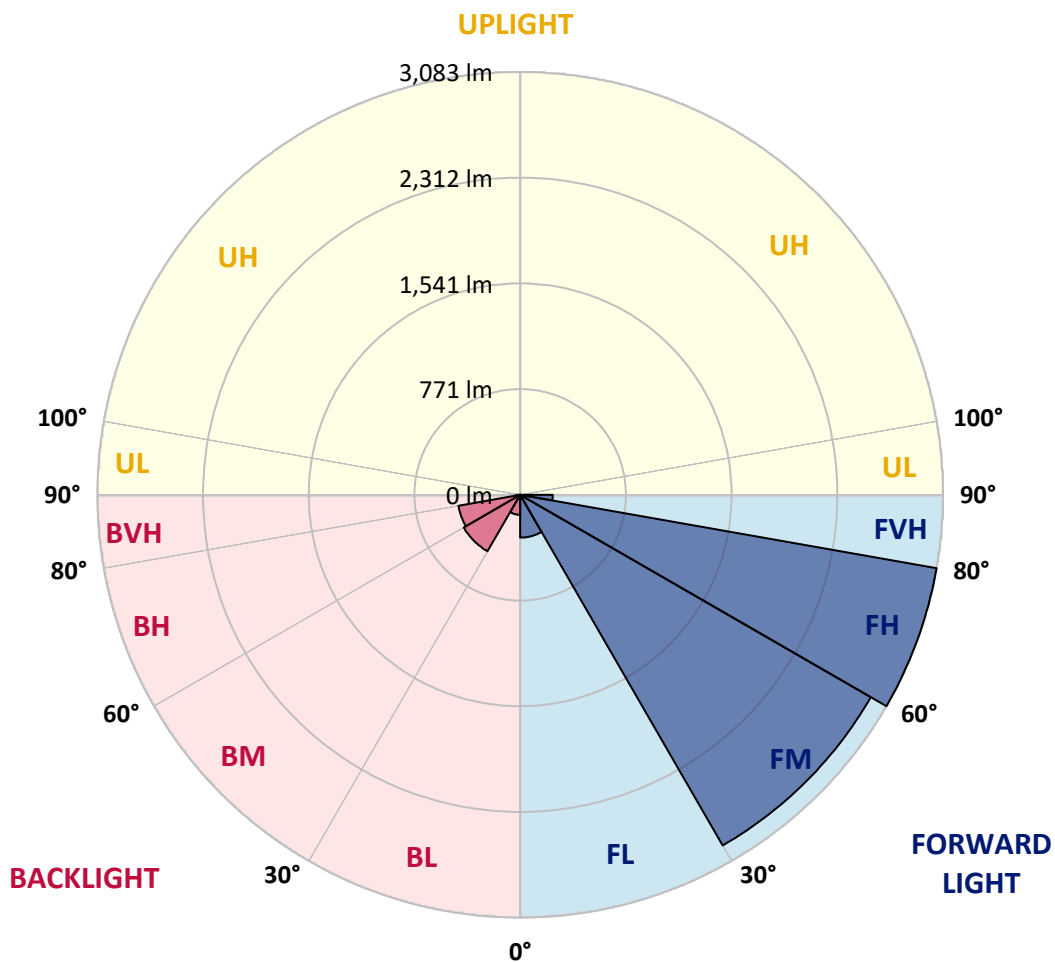
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.2	4.1			
FM	(30°-60°)	2951.7	38.4			
FH	(60°-80°)	3082.7	40.1			G2/5000
FVH	(80°-90°)	237.7	3.1			G3/500
BL	(0°-30°)	145.8	1.9	B1/500		
BM	(30°-60°)	475.3	6.2	B1/1000		
BH	(60°-80°)	457.3	5.9	B1/500		G1/500
BVH	(80°-90°)	29.5	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.2	4.2	5.0	5.9	5.9	5.0	4.2	4.2	4.2	3.4	4.2
5°	287.4	145.0	97.2	46.1	34.4	16.8	6.7	5.0	5.0	4.2	4.2
7.5°	330.2	330.2	331.0	334.4	336.9	338.5	41.9	21.8	8.4	4.2	4.2
10°	318.4	315.9	317.6	320.9	324.3	329.3	335.2	318.4	37.7	6.7	5.0
12.5°	588.3	586.6	566.5	345.2	320.1	320.1	328.5	329.3	258.9	25.1	24.3
15°	567.3	566.5	569.0	574.9	584.1	331.0	336.0	489.4	637.7	449.2	522.1
17.5°	583.2	576.5	561.4	558.1	566.5	532.1	626.0	633.5	647.8	516.2	528.8
20°	800.3	797.8	797.8	672.1	553.9	774.3	734.9	634.3	651.1	746.6	935.2
22.5°	797.8	793.6	787.7	786.9	902.5	753.3	765.1	917.6	954.5	1094.4	1056.7
25°	1084.3	1073.4	909.2	792.7	896.6	843.8	1022.3	1049.1	970.4	1135.5	1081.0
27.5°	1177.4	1156.4	1104.5	1012.3	903.3	1025.7	1020.7	1042.4	1070.1	1551.9	1485.7
30°	1598.9	1500.0	1221.8	1175.7	1080.2	1038.3	1163.1	1239.4	1351.7	1520.1	1547.7
32.5°	1789.1	1753.1	1617.3	1447.2	1262.0	1121.2	1272.1	1252.8	1361.7	1847.7	1984.3
35°	2199.7	2155.3	1783.2	1629.9	1467.3	1374.3	1308.1	1463.1	1597.2	1921.5	2022.0
37.5°	2280.1	2270.1	2183.8	1908.9	1691.0	1510.9	1531.0	1572.9	1660.0	2024.6	2128.5
40°	2343.0	2343.8	2369.0	2131.8	1897.2	1730.4	1670.1	1670.9	1745.5	2193.8	2265.1
42.5°	2508.9	2515.6	2583.5	2330.4	2146.9	1986.8	1882.1	1836.0	1893.0	2388.2	2432.7
45°	2808.1	2793.0	2850.8	2534.9	2334.6	2197.2	2113.4	2043.0	2073.2	2595.2	2646.3
47.5°	3184.3	3152.5	3133.2	2789.6	2539.1	2420.9	2343.0	2269.2	2278.5	2793.0	2891.0
50°	3475.1	3459.2	3359.5	2982.4	2715.0	2646.3	2613.7	2522.3	2482.9	3013.4	3170.9
52.5°	3599.1	3584.0	3460.8	3128.2	2854.2	2861.7	2918.7	2799.7	2689.1	3252.2	3437.4
55°	3577.3	3564.8	3483.5	3200.2	2954.7	3069.5	3218.7	3099.7	2956.4	3477.6	3708.9
57.5°	3416.4	3422.3	3421.5	3205.3	3031.8	3264.8	3512.0	3409.7	3239.6	3701.3	3929.3
60°	3061.1	3092.1	3207.8	3169.2	3129.8	3449.1	3796.9	3749.1	3568.9	3946.9	4132.9
62.5°	2451.9	2513.1	2766.2	2972.3	3208.6	3707.2	4075.1	4081.0	3910.0	4137.1	4290.4
65°	1654.2	1649.1	2026.2	2537.4	3115.6	4112.8	4490.7	4479.0	4225.9	4354.1	4522.6
67.5°	919.3	939.4	1186.6	1679.3	2757.8	4364.2	5288.5	5037.1	4661.7	4685.1	4848.5
70°	569.0	593.3	676.2	938.5	1765.6	4070.9	6313.3	6196.0	5467.0	5124.2	4980.1
72.5°	432.4	445.8	512.8	665.4	1062.6	2944.7	6653.5	7171.4	6385.4	5232.3	4693.5
75°	258.1	274.0	365.4	574.9	885.7	1524.3	5768.6	6842.9	6677.0	5163.6	4096.0
77.5°	160.9	165.1	196.9	401.4	816.2	959.5	3951.9	5300.2	5441.8	4373.4	2894.4
80°	123.2	124.0	135.8	213.7	659.5	908.4	2288.5	3539.6	3469.2	2335.4	1137.1
82.5°	77.9	83.0	105.6	130.7	313.4	885.7	1352.5	2015.3	1774.0	631.8	316.8
85°	39.4	44.4	74.6	89.7	151.7	959.5	959.5	1033.2	726.5	212.0	119.8
87.5°	6.7	6.7	10.1	23.5	30.2	162.6	268.2	233.8	154.2	28.5	23.5
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.2	4.2	4.2	3.4	2.5	1.7	0.8	0.8	0.8	1.7	1.7
5°	4.2	4.2	4.2	3.4	2.5	1.7	0.8	0.8	1.7	2.5	2.5
7.5°	4.2	4.2	4.2	3.4	2.5	2.5	1.7	3.4	7.5	98.0	66.2
10°	5.0	5.0	5.0	4.2	3.4	9.2	286.6	302.5	303.3	301.7	298.3
12.5°	26.8	29.3	21.8	7.5	31.0	287.4	275.7	262.3	257.3	251.4	251.4
15°	529.6	522.9	493.6	363.7	222.9	256.4	230.4	212.8	330.2	326.0	329.3
17.5°	531.3	519.5	477.6	520.4	482.7	230.4	261.4	284.1	268.2	262.3	264.8
20°	1008.1	953.6	484.4	485.2	414.0	408.9	222.1	209.5	212.0	217.0	218.7
22.5°	1026.5	963.7	743.3	628.5	355.3	327.6	227.1	181.8	269.0	299.2	302.5
25°	1034.9	956.1	702.2	556.4	401.4	245.5	219.6	199.4	245.5	275.7	277.4
27.5°	1463.1	1325.7	959.5	472.6	310.1	215.4	205.3	187.7	220.4	273.2	274.0
30°	1450.5	1288.8	889.1	457.5	239.7	198.6	177.7	196.1	207.8	222.1	222.1
32.5°	1886.3	1654.2	986.3	368.7	201.1	165.1	167.6	178.5	179.3	212.0	214.5
35°	1887.1	1618.1	849.7	336.9	172.6	150.8	153.3	165.1	182.7	203.6	207.0
37.5°	1916.5	1602.2	732.4	262.3	172.6	150.8	145.8	157.5	170.1	199.4	202.8
40°	1978.5	1608.9	620.9	217.9	166.8	148.3	144.1	153.3	168.4	185.2	186.9
42.5°	2084.1	1646.6	515.4	196.9	162.6	148.3	138.3	145.0	153.3	187.7	191.1
45°	2251.6	1727.1	434.1	188.5	160.9	142.5	131.6	133.2	139.1	222.1	231.3
47.5°	2447.7	1838.5	363.7	184.4	158.4	136.6	121.5	123.2	136.6	252.2	264.8
50°	2674.0	2003.6	321.8	183.5	155.9	128.2	114.0	123.2	150.8	251.4	257.3
52.5°	2939.6	2171.2	299.2	186.9	154.2	120.7	118.2	138.3	143.3	202.0	202.0
55°	3178.5	2357.2	300.8	189.4	149.2	120.7	121.5	117.3	113.1	139.1	139.9
57.5°	3413.1	2542.4	328.5	184.4	141.6	121.5	104.7	96.4	98.0	118.2	120.7
60°	3616.7	2720.9	411.4	173.5	134.9	109.8	97.2	90.5	92.2	119.0	121.5
62.5°	3836.3	2938.8	569.8	177.7	134.1	103.9	90.5	83.0	86.3	98.9	100.6
65°	4132.9	3243.0	712.3	209.5	139.1	100.6	83.0	78.8	79.6	80.4	80.4
67.5°	4423.7	3430.7	687.1	247.2	155.9	98.9	78.8	73.7	72.9	72.9	72.9
70°	4395.2	3227.1	544.7	262.3	169.3	98.9	75.4	68.7	67.0	67.0	67.0
72.5°	3983.7	2760.3	418.2	243.0	155.9	94.7	70.4	62.8	60.3	60.3	60.3
75°	3389.6	2213.9	351.1	211.2	127.4	81.3	62.0	56.1	54.5	54.5	53.6
77.5°	2165.3	1308.9	298.3	171.8	98.0	66.2	53.6	48.6	48.6	48.6	46.1
80°	869.0	575.7	232.1	135.8	76.3	52.8	44.4	41.9	41.1	40.2	37.7
82.5°	330.2	284.1	150.8	98.9	58.7	40.2	36.0	33.5	33.5	32.7	28.5
85°	118.2	110.6	69.6	57.0	36.0	25.1	27.7	25.1	24.3	21.8	18.4
87.5°	25.1	27.7	19.3	12.6	12.6	7.5	9.2	10.1	10.1	9.2	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)