

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: P416282

Luminaire Tested: **LXF.LXT-PA1-70-730-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416282
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-PA1-70-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7663 lumens
Efficiency: N/A
Efficacy: 103.6 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

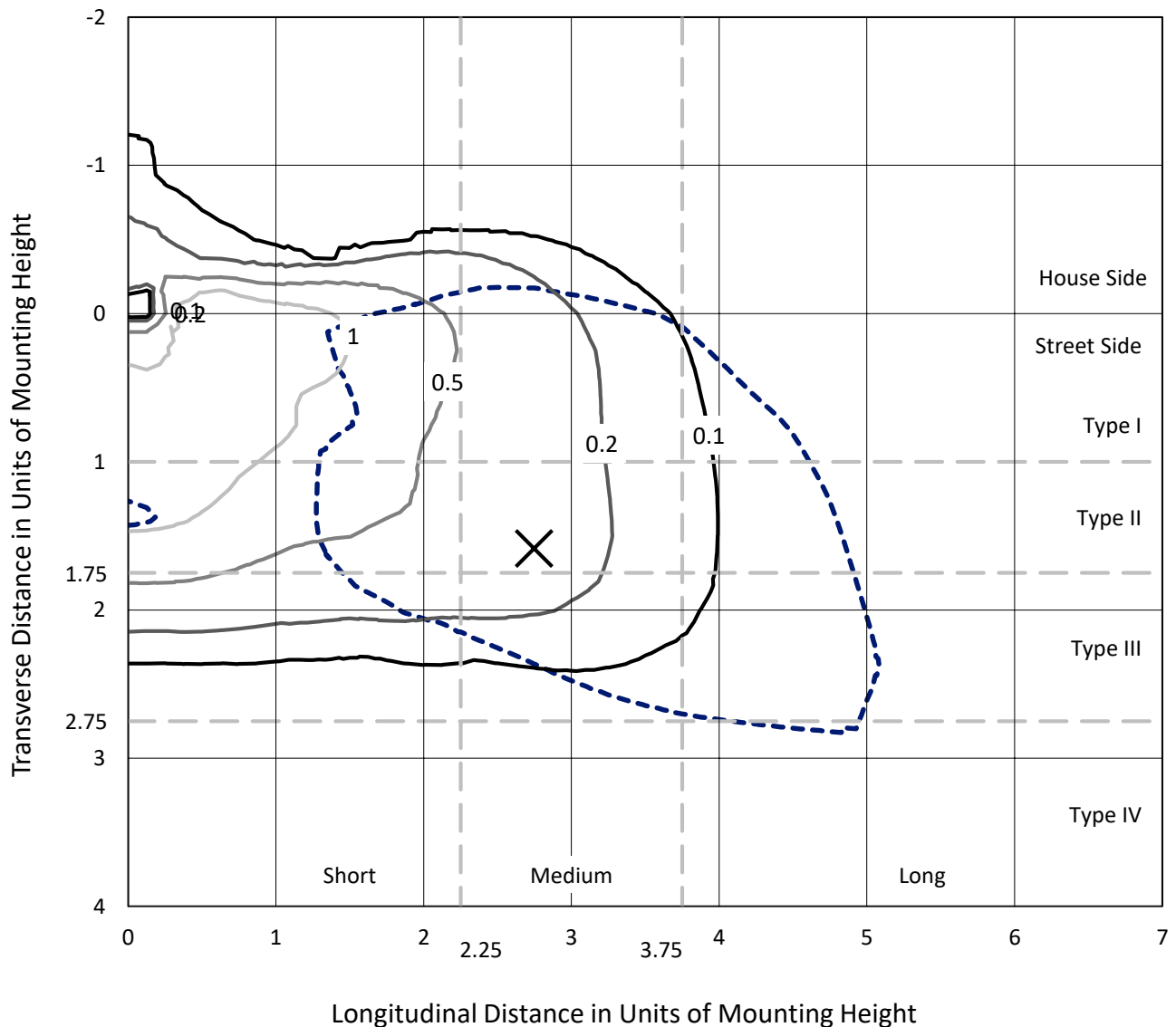
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

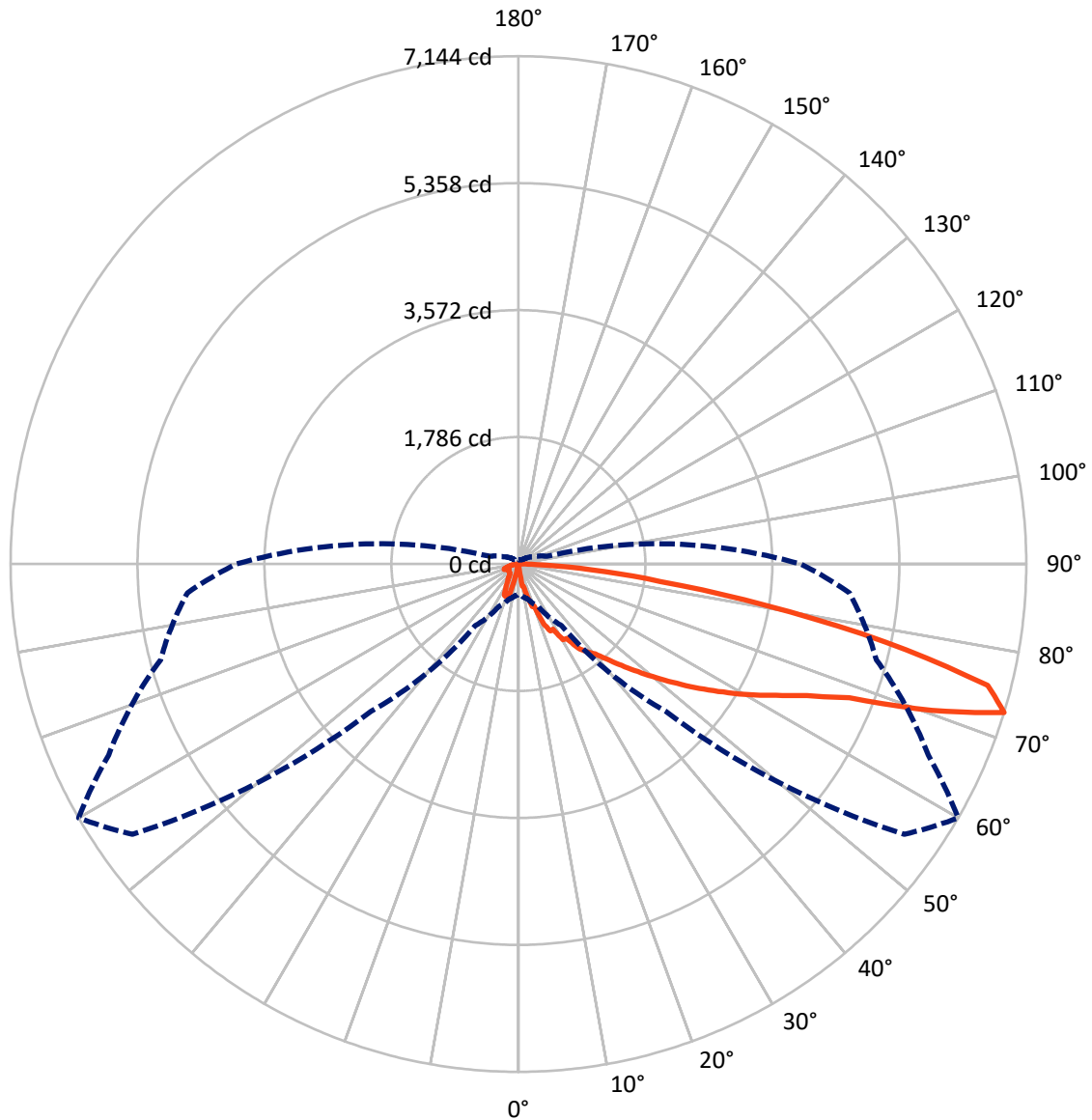
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	1103.6	0.0	1103.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6559.4	0.0	6559.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	7663.0	0.0	7663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.1
10°-20°	111.8	1.5
20°-30°	336.4	4.4
30°-40°	665.4	8.7
40°-50°	1102.2	14.4
50°-60°	1646.5	21.5
60°-70°	1958.7	25.6
70°-80°	1568.0	20.5
80°-90°	266.1	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°	7663.0	100.0
0°-180°	7663.0	100.0

Coefficient of Utilization



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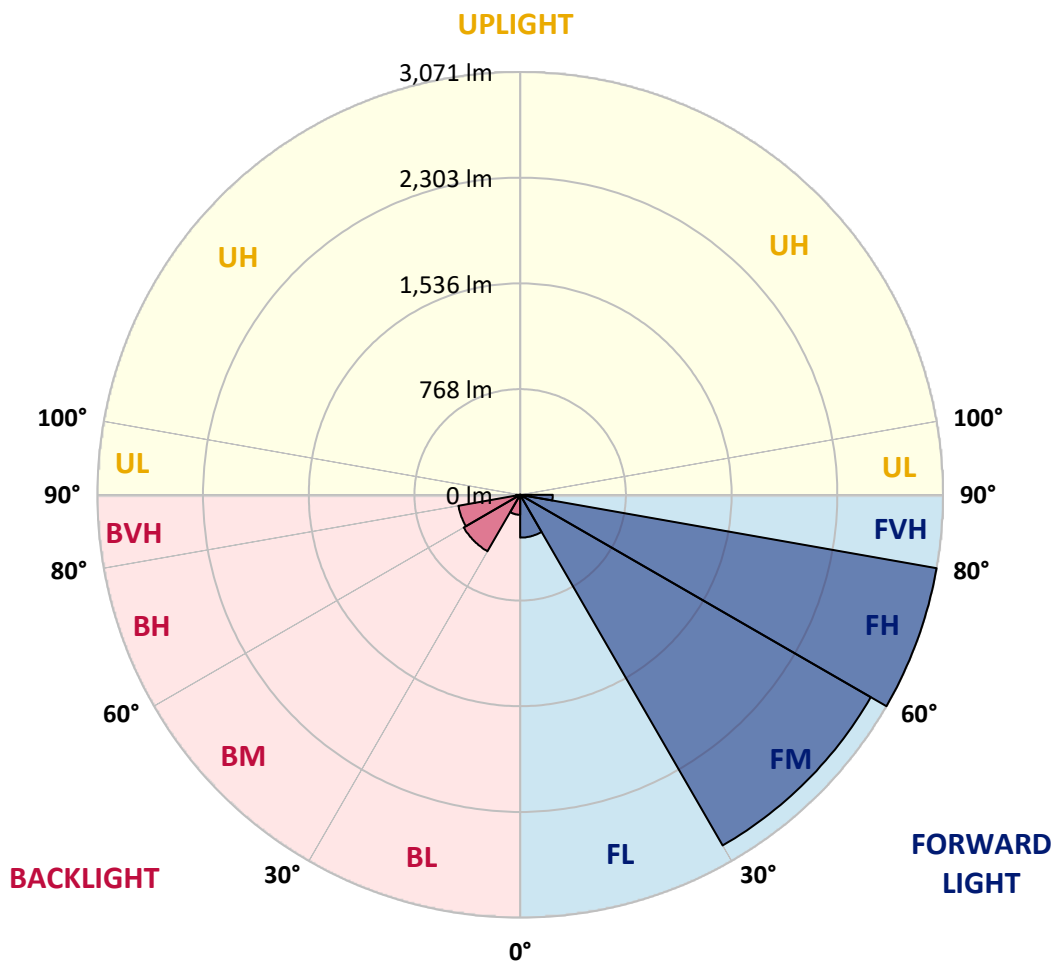
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.0	4.1			
FM	(30°-60°)	2940.5	38.4			
FH	(60°-80°)	3071.1	40.1			G2/5000
FVH	(80°-90°)	236.8	3.1			G3/500
BL	(0°-30°)	145.2	1.9	B1/500		
BM	(30°-60°)	473.5	6.2	B1/1000		
BH	(60°-80°)	455.5	5.9	B1/500		G1/500
BVH	(80°-90°)	29.3	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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.2	4.2	5.0	5.8	5.8	5.0	4.2	4.2	4.2	3.3	4.2
5°	286.3	144.4	96.8	45.9	34.2	16.7	6.7	5.0	5.0	4.2	4.2
7.5°	328.9	328.9	329.8	333.1	335.6	337.3	41.7	21.7	8.3	4.2	4.2
10°	317.2	314.7	316.4	319.7	323.1	328.1	333.9	317.2	37.6	6.7	5.0
12.5°	586.0	584.4	564.3	343.9	318.9	318.9	327.2	328.1	258.0	25.0	24.2
15°	565.2	564.3	566.8	572.7	581.9	329.8	334.8	487.5	635.3	447.5	520.1
17.5°	581.0	574.4	559.3	556.0	564.3	530.1	623.6	631.1	645.3	514.2	526.8
20°	797.3	794.7	794.7	669.5	551.8	771.4	732.1	632.0	648.7	743.8	931.7
22.5°	794.7	790.6	784.7	783.9	899.1	750.5	762.2	914.1	950.9	1090.3	1052.7
25°	1080.3	1069.4	905.8	789.7	893.3	840.7	1018.5	1045.2	966.7	1131.2	1076.9
27.5°	1172.9	1152.0	1100.3	1008.5	899.9	1021.8	1016.8	1038.5	1066.1	1546.1	1480.1
30°	1592.8	1494.3	1217.2	1171.3	1076.1	1034.3	1158.7	1234.7	1346.6	1514.4	1541.9
32.5°	1782.3	1746.4	1611.2	1441.7	1257.2	1117.0	1267.3	1248.1	1356.6	1840.8	1976.9
35°	2191.4	2147.2	1776.5	1623.7	1461.8	1369.1	1303.2	1457.6	1591.2	1914.2	2014.4
37.5°	2271.5	2261.5	2175.5	1901.7	1684.7	1505.2	1525.2	1567.0	1653.8	2016.9	2120.4
40°	2334.2	2335.0	2360.0	2123.8	1890.0	1723.9	1663.8	1664.6	1738.9	2185.6	2256.5
42.5°	2499.4	2506.1	2573.7	2321.6	2138.8	1979.4	1875.0	1829.1	1885.9	2379.2	2423.5
45°	2797.5	2782.5	2840.1	2525.3	2325.8	2188.9	2105.4	2035.3	2065.3	2585.4	2636.4
47.5°	3172.3	3140.6	3121.4	2779.1	2529.5	2411.8	2334.2	2260.7	2269.9	2782.5	2880.1
50°	3462.0	3446.1	3346.8	2971.1	2704.8	2636.4	2603.8	2512.8	2473.6	3002.0	3159.0
52.5°	3585.5	3570.5	3447.8	3116.4	2843.4	2850.9	2907.7	2789.1	2678.9	3239.9	3424.4
55°	3563.8	3551.3	3470.3	3188.2	2943.6	3057.9	3206.5	3088.0	2945.2	3464.5	3694.9
57.5°	3403.6	3409.4	3408.6	3193.2	3020.4	3252.5	3498.7	3396.9	3227.4	3687.4	3914.5
60°	3049.6	3080.5	3195.7	3157.3	3118.0	3436.1	3782.6	3735.0	3555.5	3932.0	4117.3
62.5°	2442.7	2503.6	2755.7	2961.1	3196.5	3693.2	4059.7	4065.6	3895.3	4121.5	4274.3
65°	1647.9	1642.9	2018.6	2527.8	3103.9	4097.3	4473.8	4462.1	4210.0	4337.7	4505.5
67.5°	915.8	935.8	1182.1	1673.0	2747.4	4347.7	5268.5	5018.1	4644.1	4667.5	4830.3
70°	566.8	591.1	673.7	935.0	1759.0	4055.5	6289.5	6172.6	5446.4	5104.9	4961.3
72.5°	430.8	444.1	510.9	662.8	1058.6	2933.6	6628.5	7144.4	6361.3	5212.6	4675.8
75°	257.1	273.0	364.0	572.7	882.4	1518.5	5746.9	6817.1	6651.8	5144.2	4080.6
77.5°	160.3	164.5	196.2	399.9	813.1	955.9	3937.0	5280.2	5421.3	4356.9	2883.5
80°	122.7	123.6	135.2	212.9	657.0	904.9	2279.9	3526.3	3456.1	2326.6	1132.8
82.5°	77.6	82.6	105.2	130.2	312.2	882.4	1347.4	2007.7	1767.3	629.5	315.6
85°	39.2	44.2	74.3	89.3	151.1	955.9	955.9	1029.3	723.8	211.2	119.4
87.5°	6.7	6.7	10.0	23.4	30.1	162.0	267.1	232.9	153.6	28.4	23.4
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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	4.2	4.2	4.2	3.3	2.5	1.7	0.8	0.8	0.8	1.7	1.7
5°	4.2	4.2	4.2	3.3	2.5	1.7	0.8	0.8	1.7	2.5	2.5
7.5°	4.2	4.2	4.2	3.3	2.5	2.5	1.7	3.3	7.5	97.7	66.0
10°	5.0	5.0	5.0	4.2	3.3	9.2	285.5	301.4	302.2	300.5	297.2
12.5°	26.7	29.2	21.7	7.5	30.9	286.3	274.7	261.3	256.3	250.4	250.4
15°	527.6	520.9	491.7	362.3	222.1	255.5	229.6	212.0	328.9	324.7	328.1
17.5°	529.3	517.6	475.8	518.4	480.9	229.6	260.5	283.0	267.1	261.3	263.8
20°	1004.3	950.0	482.5	483.4	412.4	407.4	221.2	208.7	211.2	216.2	217.9
22.5°	1022.7	960.0	740.5	626.1	354.0	326.4	226.2	181.2	268.0	298.0	301.4
25°	1031.0	952.5	699.6	554.3	399.9	244.6	218.7	198.7	244.6	274.7	276.3
27.5°	1457.6	1320.7	955.9	470.8	308.9	214.5	204.5	187.0	219.6	272.2	273.0
30°	1445.1	1284.0	885.7	455.8	238.8	197.9	177.0	195.3	207.0	221.2	221.2
32.5°	1879.2	1647.9	982.6	367.3	200.4	164.5	167.0	177.8	178.7	211.2	213.7
35°	1880.0	1612.0	846.5	335.6	172.0	150.3	152.8	164.5	182.0	202.9	206.2
37.5°	1909.2	1596.2	729.6	261.3	172.0	150.3	145.3	156.9	169.5	198.7	202.0
40°	1971.0	1602.9	618.6	217.1	166.1	147.8	143.6	152.8	167.8	184.5	186.2
42.5°	2076.2	1640.4	513.4	196.2	162.0	147.8	137.7	144.4	152.8	187.0	190.3
45°	2243.2	1720.6	432.4	187.8	160.3	141.9	131.1	132.7	138.6	221.2	230.4
47.5°	2438.5	1831.6	362.3	183.7	157.8	136.1	121.0	122.7	136.1	251.3	263.8
50°	2663.9	1996.1	320.6	182.8	155.3	127.7	113.5	122.7	150.3	250.4	256.3
52.5°	2928.5	2163.0	298.0	186.2	153.6	120.2	117.7	137.7	142.8	201.2	201.2
55°	3166.5	2348.3	299.7	188.7	148.6	120.2	121.0	116.9	112.7	138.6	139.4
57.5°	3400.2	2532.8	327.2	183.7	141.1	121.0	104.4	96.0	97.7	117.7	120.2
60°	3603.1	2710.7	409.9	172.8	134.4	109.4	96.8	90.2	91.8	118.5	121.0
62.5°	3821.8	2927.7	567.7	177.0	133.6	103.5	90.2	82.6	86.0	98.5	100.2
65°	4117.3	3230.7	709.6	208.7	138.6	100.2	82.6	78.5	79.3	80.1	80.1
67.5°	4407.0	3417.7	684.6	246.3	155.3	98.5	78.5	73.5	72.6	72.6	72.6
70°	4378.6	3214.9	542.6	261.3	168.6	98.5	75.1	68.5	66.8	66.8	66.8
72.5°	3968.7	2749.9	416.6	242.1	155.3	94.3	70.1	62.6	60.1	60.1	60.1
75°	3376.8	2205.6	349.8	210.4	126.9	81.0	61.8	55.9	54.3	54.3	53.4
77.5°	2157.2	1304.0	297.2	171.1	97.7	66.0	53.4	48.4	48.4	48.4	45.9
80°	865.7	573.5	231.2	135.2	76.0	52.6	44.2	41.7	40.9	40.1	37.6
82.5°	328.9	283.0	150.3	98.5	58.4	40.1	35.9	33.4	33.4	32.6	28.4
85°	117.7	110.2	69.3	56.8	35.9	25.0	27.5	25.0	24.2	21.7	18.4
87.5°	25.0	27.5	19.2	12.5	12.5	7.5	9.2	10.0	10.0	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)