

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: P417141

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417141  
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-PA1-90-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9121 lumens  
Efficiency: N/A  
Efficacy: 97.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U0 - G2

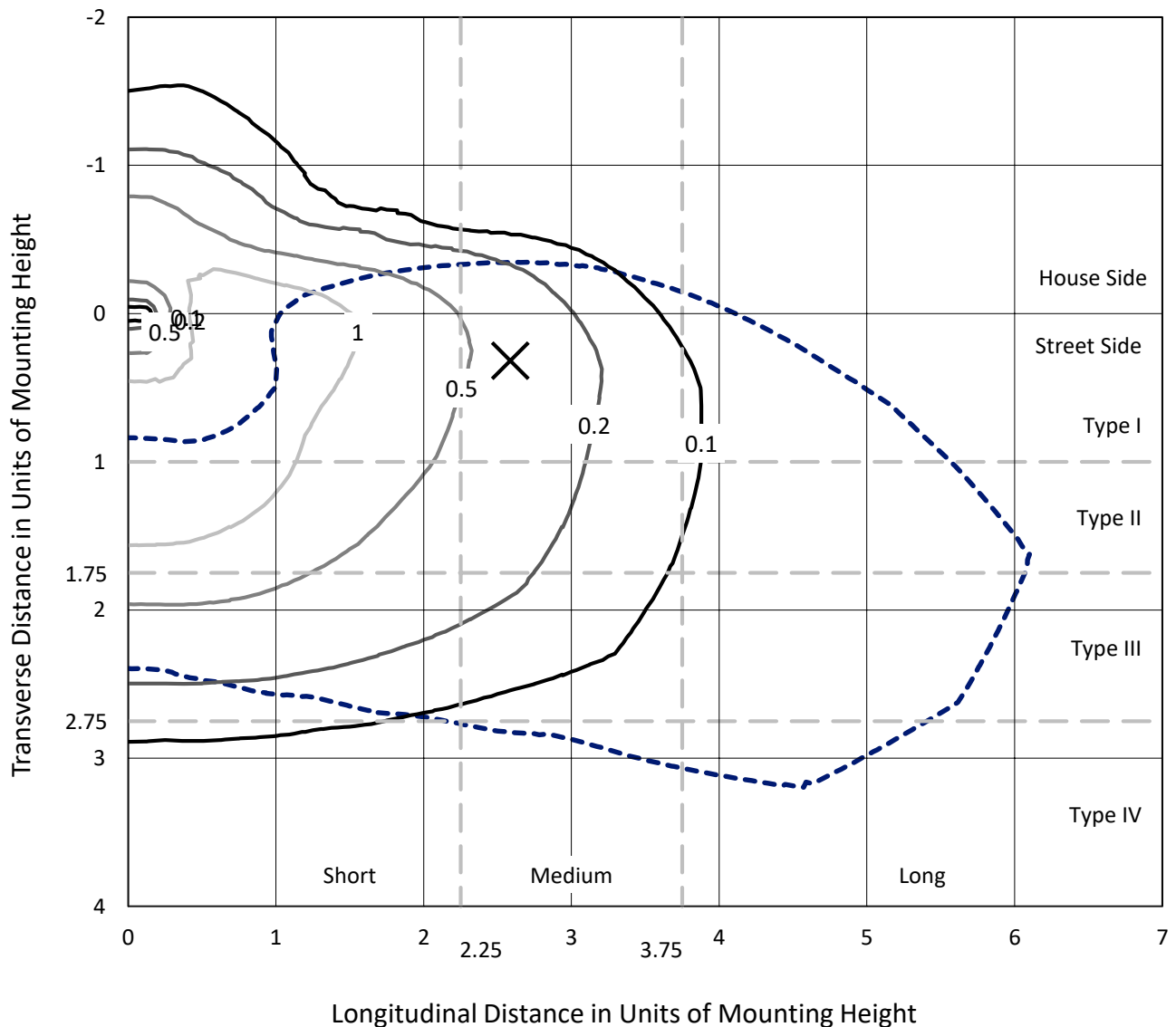
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

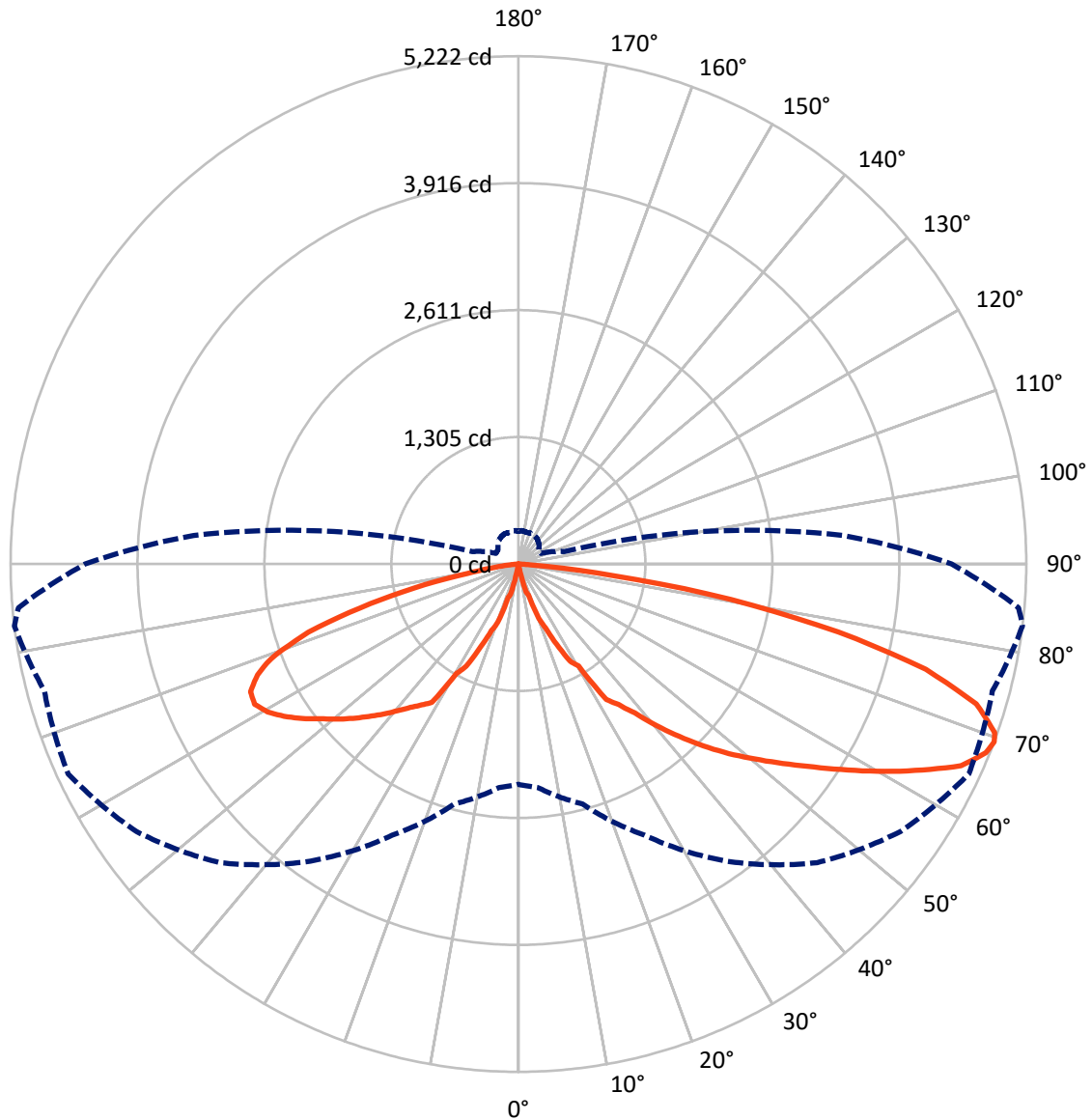


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - Non-Cutoff

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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
<b>House Side</b>	Lumens	1934.6	0.0	1934.6
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	7186.4	0.0	7186.4
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	9121.0	0.0	9121.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	92.7	1.0
20°-30°	365.8	4.0
30°-40°	813.9	8.9
40°-50°	1382.2	15.2
50°-60°	2059.7	22.6
60°-70°	2425.7	26.6
70°-80°	1697.9	18.6
80°-90°	277.2	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°	9121.0	100.0
0°-180°	9121.0	100.0



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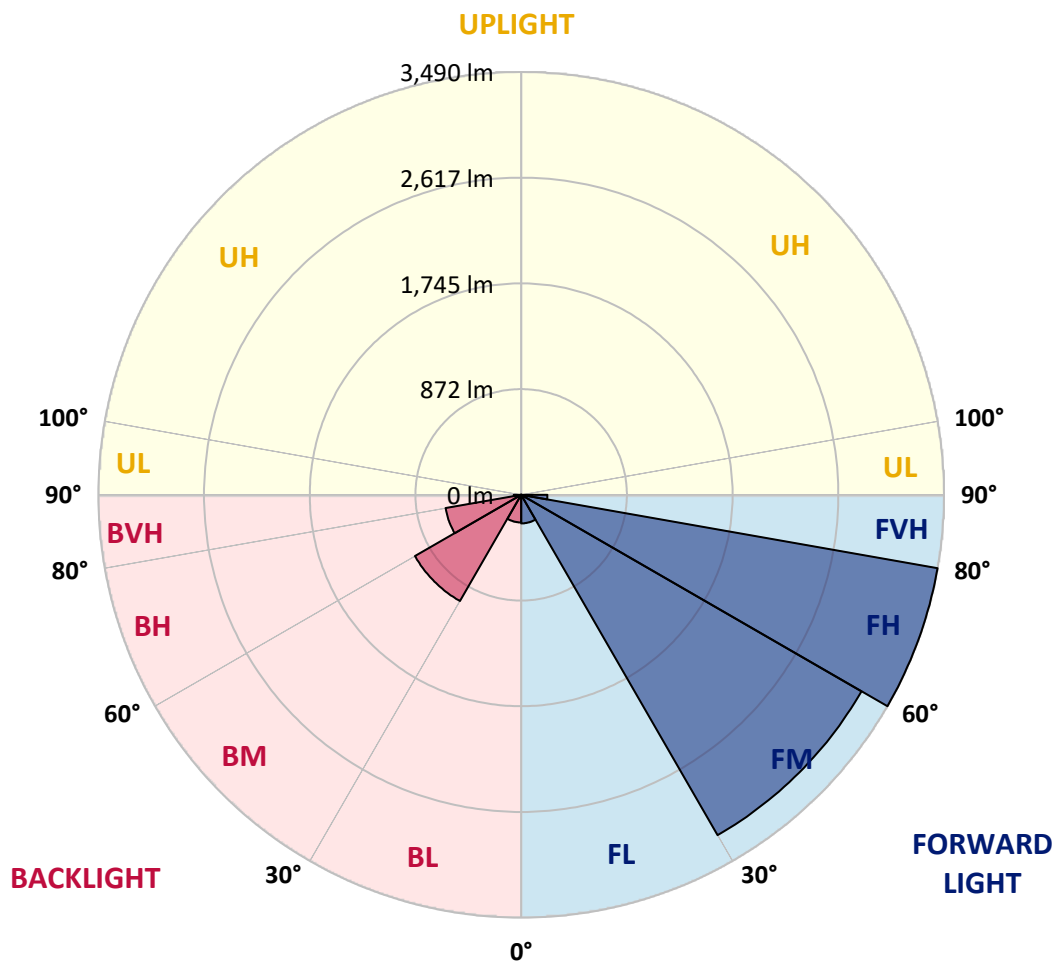
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.2	2.6			
FM	(30°-60°)	3243.6	35.6			
FH	(60°-80°)	3490.0	38.3			G2/5000
FVH	(80°-90°)	216.7	2.4			G2/225
BL	(0°-30°)	228.2	2.5	B1/500		
BM	(30°-60°)	1012.3	11.1	B2/2500		
BH	(60°-80°)	633.6	6.9	B2/1000		G2/1000
BVH	(80°-90°)	60.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	4.9	3.9	4.9	5.9	5.9	4.9	3.9	3.9	3.9	3.9	2.9
5°	79.5	57.9	52.0	46.2	27.5	9.8	5.9	3.9	3.9	3.9	3.9
7.5°	167.9	167.9	167.9	168.9	167.9	124.7	29.5	6.9	3.9	3.9	3.9
10°	169.9	168.9	167.9	168.9	170.9	171.8	165.9	23.6	9.8	8.8	8.8
12.5°	307.3	305.4	294.6	206.2	174.8	175.8	179.7	129.6	47.1	124.7	145.3
15°	326.0	324.0	324.0	325.0	308.3	191.5	270.0	353.5	251.4	300.5	305.4
17.5°	365.3	354.5	345.6	339.7	341.7	381.0	383.0	390.8	292.6	336.8	342.7
20°	559.7	555.8	524.3	401.6	375.1	494.9	440.9	434.0	547.9	595.0	604.9
22.5°	639.2	635.3	612.7	591.1	616.6	539.1	627.4	647.1	742.3	713.9	722.7
25°	868.0	865.1	739.4	684.4	752.2	619.6	774.7	741.4	819.9	914.2	924.0
27.5°	1062.4	1055.6	1030.0	923.0	839.5	928.9	857.2	990.8	1113.5	1129.2	1158.7
30°	1261.8	1216.6	1138.0	1142.0	1034.0	1024.1	1021.2	1189.1	1193.0	1217.6	1267.7
32.5°	1587.8	1567.1	1501.4	1298.1	1274.5	1138.0	1256.9	1267.7	1558.3	1660.4	1670.3
35°	1849.0	1760.6	1698.7	1583.8	1405.1	1449.3	1400.2	1594.6	1709.5	1775.3	1815.6
37.5°	2265.3	2277.1	2175.9	1757.6	1645.7	1594.6	1680.1	1785.1	1928.5	1944.2	2005.1
40°	2564.8	2556.9	2420.4	2112.1	1861.7	1809.7	1866.6	1969.7	2164.2	2183.8	2198.5
42.5°	3000.8	2962.5	2772.0	2425.4	2193.6	2083.6	2099.4	2142.6	2337.0	2424.4	2406.7
45°	3404.3	3378.8	3186.3	2759.2	2507.8	2379.2	2355.6	2317.3	2551.0	2667.9	2635.5
47.5°	3720.5	3675.3	3565.4	3130.4	2936.9	2718.0	2600.1	2530.4	2763.1	2912.4	2867.2
50°	4059.3	3990.5	3891.4	3498.6	3308.1	3112.7	2853.5	2766.1	3001.7	3150.0	3113.7
52.5°	4284.1	4177.1	4115.2	3826.6	3650.8	3479.9	3099.9	3041.0	3263.9	3406.3	3398.4
55°	4171.2	4167.3	4230.1	4047.5	3876.6	3696.0	3356.2	3353.3	3537.9	3684.2	3691.0
57.5°	3974.8	3995.4	4174.2	4201.6	4129.0	3916.9	3673.4	3702.8	3859.9	3995.4	4010.2
60°	3724.4	3781.4	4038.7	4184.0	4241.9	4136.8	3978.8	4023.9	4211.5	4328.3	4324.4
62.5°	3393.5	3439.7	3759.8	4088.7	4206.6	4305.7	4260.6	4405.9	4554.2	4664.1	4692.6
65°	3002.7	3021.4	3368.0	3811.8	4116.2	4392.1	4496.2	4760.4	4832.0	5000.9	5006.8
67.5°	2569.7	2575.6	2877.0	3406.3	3919.8	4385.3	4696.5	5022.5	5003.9	5183.6	5169.8
69°	2265.3	2307.5	2555.0	3076.4	3729.3	4343.0	4795.7	5108.9	5046.1	5221.9	5162.0
70°	2051.2	2048.3	2331.1	2796.5	3561.4	4289.0	4858.6	5131.5	5047.1	5195.4	5105.0
72.5°	1306.9	1326.6	1571.1	1984.5	2870.2	3976.8	4936.1	5071.6	4939.1	4924.3	4730.9
75°	577.4	524.3	677.5	1050.7	1804.8	3093.1	4749.6	4801.6	4631.7	4328.3	3996.4
77.5°	202.3	210.1	255.3	427.1	869.0	1843.1	3936.5	4224.2	4090.7	3361.1	2990.9
80°	144.3	145.3	170.9	238.6	421.2	650.0	2505.9	3055.7	3148.0	2216.2	1904.9
82.5°	102.1	102.1	126.7	152.2	291.6	290.6	1078.2	1681.1	1795.9	982.9	735.5
85°	85.4	87.4	97.2	88.4	170.9	148.3	266.1	518.5	425.2	119.8	105.1
87.5°	12.8	11.8	33.4	29.5	25.5	21.6	29.5	33.4	22.6	17.7	12.8
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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.9	3.9	3.9	3.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9
5°	3.9	3.9	3.9	3.9	3.9	3.9	4.9	6.9	7.9	8.8	8.8
7.5°	3.9	3.9	3.9	4.9	5.9	8.8	48.1	166.9	182.6	190.5	195.4
10°	7.9	8.8	8.8	8.8	21.6	184.6	220.0	227.8	235.7	239.6	238.6
12.5°	152.2	157.1	39.3	28.5	171.8	230.8	237.6	245.5	253.3	259.2	258.2
15°	313.2	321.1	308.3	319.1	338.8	250.4	256.3	434.0	470.3	477.2	478.2
17.5°	349.6	355.5	361.3	470.3	482.1	371.2	443.8	476.2	480.2	482.1	483.1
20°	665.7	662.8	536.1	515.5	510.6	644.1	471.3	480.2	574.4	654.0	657.9
22.5°	734.5	743.3	708.0	757.1	670.7	652.0	594.1	636.3	671.6	670.7	667.7
25°	952.5	964.2	812.1	787.5	804.2	648.1	741.4	635.3	645.1	646.1	652.0
27.5°	1191.1	1194.0	1127.2	886.7	791.4	802.2	698.1	676.5	756.1	761.0	761.0
30°	1297.1	1315.8	1191.1	1027.1	819.9	758.0	676.5	737.4	702.1	708.0	708.0
32.5°	1723.3	1708.5	1555.4	1017.3	849.4	697.2	707.0	683.4	757.1	776.7	778.7
35°	1835.2	1804.8	1564.2	1137.1	792.4	711.9	646.1	694.2	694.2	693.2	688.3
37.5°	1973.7	1920.6	1545.5	1052.6	797.3	650.0	623.5	624.5	681.5	694.2	685.4
40°	2137.6	2058.1	1542.6	982.9	722.7	615.7	572.5	600.9	600.0	583.3	573.4
42.5°	2315.4	2210.3	1535.7	900.4	649.1	577.4	540.1	531.2	536.1	505.7	502.7
45°	2523.5	2367.4	1516.1	827.8	590.1	536.1	493.9	480.2	482.1	458.6	452.7
47.5°	2744.5	2529.4	1511.2	770.8	541.0	494.9	460.5	442.8	449.7	423.2	417.3
50°	2990.9	2696.4	1494.5	717.8	487.0	456.6	431.1	410.4	411.4	390.8	385.9
52.5°	3259.0	2858.4	1475.8	645.1	437.9	424.2	409.5	393.8	411.4	383.9	378.0
55°	3533.9	3055.7	1451.3	560.7	393.8	399.6	384.9	396.7	422.2	379.0	371.2
57.5°	3839.3	3241.3	1405.1	468.4	358.4	372.1	382.0	397.7	418.3	378.0	363.3
60°	4129.0	3420.0	1295.2	395.7	328.0	349.6	376.1	391.8	389.8	371.2	361.3
62.5°	4423.6	3567.3	1091.9	339.7	302.4	338.8	367.2	374.1	365.3	358.4	352.5
65°	4585.6	3603.7	846.4	302.4	281.8	324.0	356.4	362.3	349.6	349.6	344.7
67.5°	4559.1	3486.8	624.5	272.0	264.1	309.3	337.8	351.5	342.7	349.6	341.7
69°	4453.0	3353.3	491.0	256.3	255.3	297.5	327.0	342.7	335.8	345.6	335.8
70°	4328.3	3218.7	434.0	247.4	246.5	288.7	320.1	335.8	328.0	335.8	327.0
72.5°	3850.1	2762.2	311.3	222.9	225.8	271.0	303.4	315.2	308.3	310.3	298.5
75°	3078.3	2053.2	246.5	202.3	205.2	250.4	284.8	291.6	286.7	277.9	271.0
77.5°	2164.2	1323.6	202.3	183.6	184.6	225.8	265.1	264.1	256.3	247.4	238.6
80°	1180.3	622.5	171.8	161.0	164.0	201.3	236.6	233.7	223.9	215.0	204.2
82.5°	510.6	251.4	133.5	128.6	137.5	168.9	203.3	195.4	186.6	190.5	148.3
85°	91.3	86.4	77.6	82.5	93.3	119.8	143.4	136.5	131.6	111.9	103.1
87.5°	7.9	11.8	11.8	14.7	20.6	22.6	40.3	29.5	30.4	11.8	5.9
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)