

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: P417132

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
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-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9119 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 II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

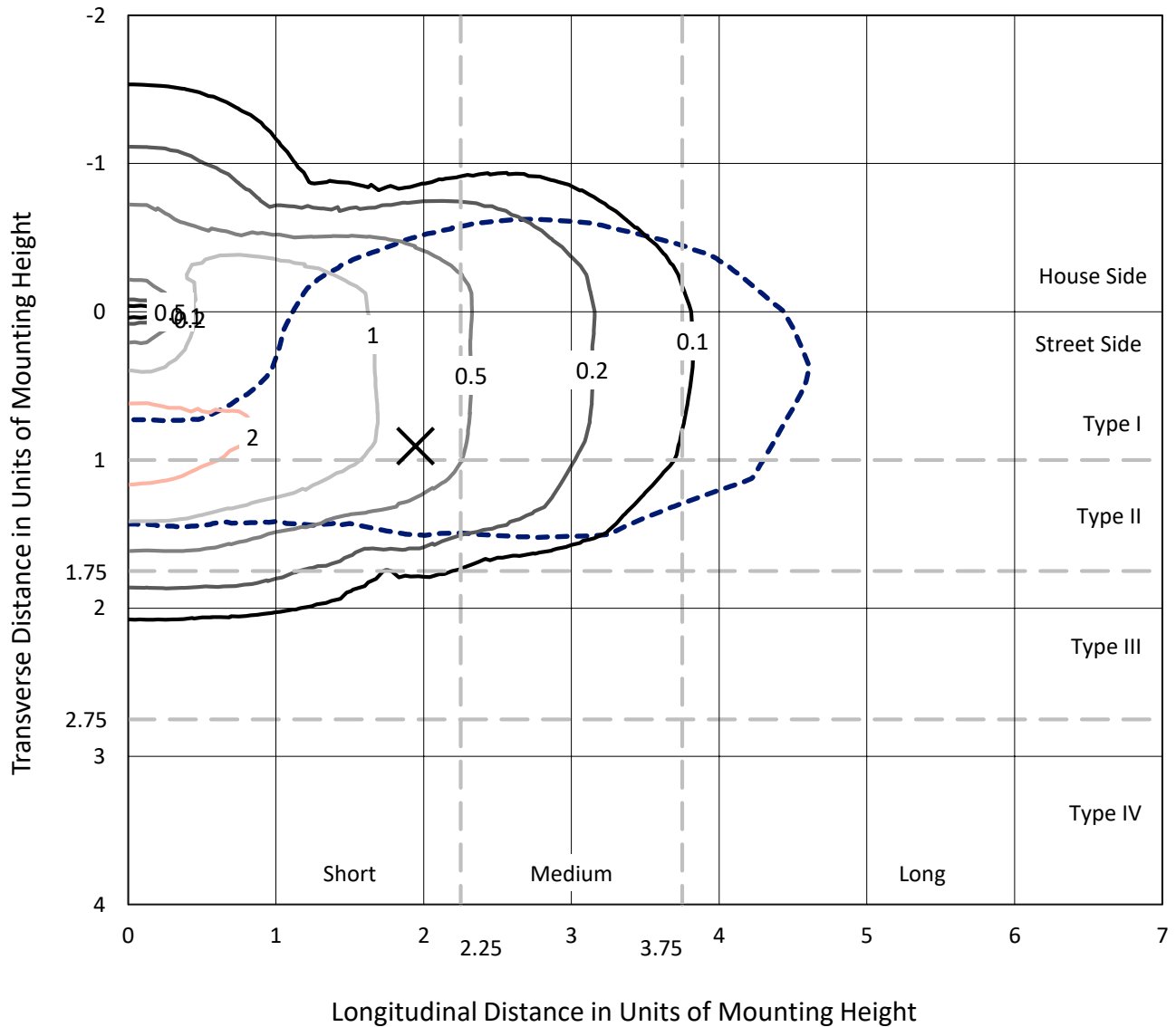
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

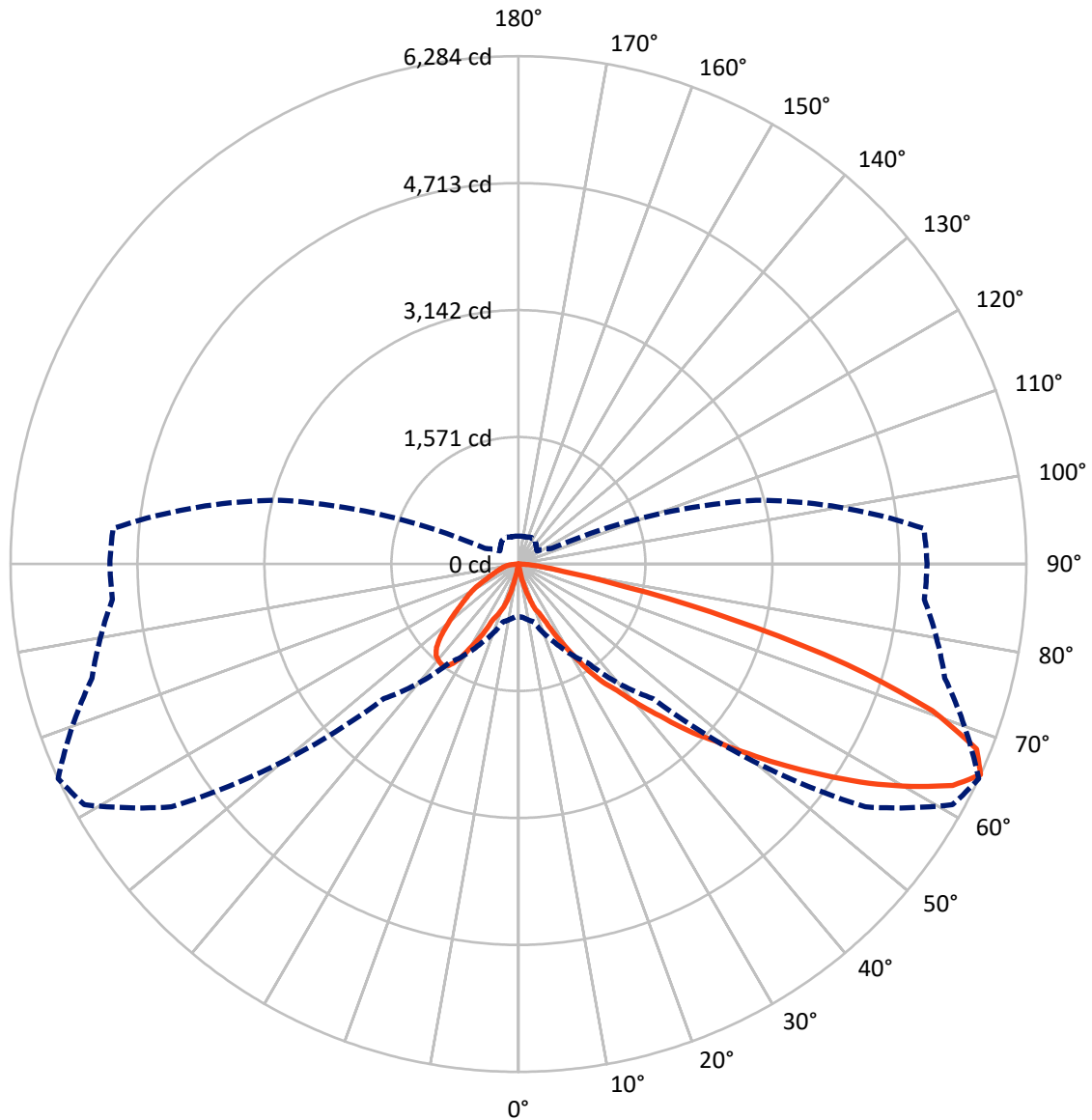
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2460.6	0.0	2460.6
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	6658.4	0.0	6658.4
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	9119.0	0.0	9119.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	100.8	1.1
20°-30°	387.8	4.3
30°-40°	970.7	10.6
40°-50°	1807.3	19.8
50°-60°	2366.6	26.0
60°-70°	2121.6	23.3
70°-80°	1167.0	12.8
80°-90°	190.7	2.1
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°	9119.0	100.0
0°-180°	9119.0	100.0



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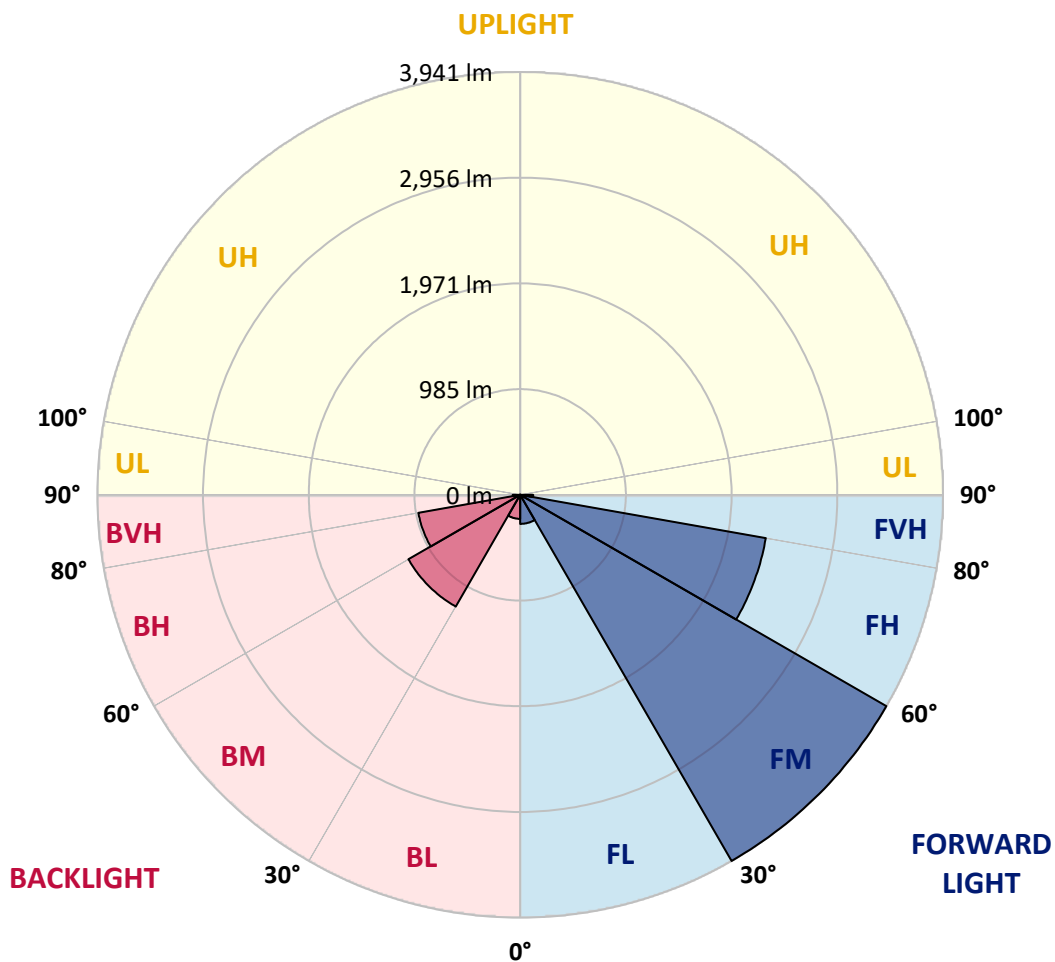
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.1	3.0			
FM	(30°-60°)	3941.4	43.2			
FH	(60°-80°)	2325.0	25.5			G2/5000
FVH	(80°-90°)	121.0	1.3			G2/225
BL	(0°-30°)	224.1	2.5	B1/500		
BM	(30°-60°)	1203.2	13.2	B2/2500		
BH	(60°-80°)	963.6	10.6	B2/1000		G2/1000
BVH	(80°-90°)	69.7	0.8			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	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	4.9	5.9	6.9	6.9	5.9	4.9	3.9	2.9	2.0	2.0
5°	45.2	40.3	31.4	21.6	12.8	9.8	7.9	5.9	4.9	2.9	2.0
7.5°	220.9	219.9	219.0	219.9	215.0	84.4	15.7	9.8	7.9	3.9	2.9
10°	221.9	220.9	219.9	221.9	221.9	219.0	208.2	30.4	15.7	9.8	9.8
12.5°	394.7	381.0	263.1	231.7	223.9	223.9	223.9	200.3	190.5	140.4	169.9
15°	414.4	411.4	410.4	412.4	365.3	241.5	337.8	318.1	322.1	274.9	326.0
17.5°	436.0	431.0	427.1	428.1	411.4	474.3	443.8	453.6	457.6	347.6	381.0
20°	675.5	675.5	624.5	473.3	519.4	595.0	490.9	539.1	597.0	519.4	533.2
22.5°	766.9	760.0	753.1	713.8	653.0	649.0	713.8	625.5	663.8	762.9	705.0
25°	1042.8	1044.7	875.8	823.8	912.2	795.3	852.3	847.4	802.2	924.9	893.5
27.5°	1319.7	1323.6	1304.9	1161.6	1042.8	1023.1	970.1	1045.7	1033.9	1026.1	1099.7
30°	1577.9	1576.9	1492.5	1432.6	1368.8	1254.9	1195.9	1211.7	1258.8	1215.6	1371.7
32.5°	2195.5	2178.8	2088.5	1708.5	1610.3	1503.3	1486.6	1442.4	1536.7	1506.2	1650.6
35°	2606.9	2603.0	2439.0	2225.0	1914.7	1795.9	1797.8	1715.4	1792.9	1832.2	1854.8
37.5°	3526.0	3512.2	3262.8	2635.4	2390.9	2146.4	2101.2	2062.0	1981.5	2095.4	2094.4
40°	4020.8	3981.6	3761.6	3348.2	2807.2	2512.7	2418.4	2334.0	2276.0	2342.8	2334.0
42.5°	4405.7	4375.3	4220.2	3792.1	3350.2	3121.4	2769.9	2689.4	2572.6	2652.1	2610.8
45°	4681.7	4665.9	4527.5	4209.4	3870.6	3702.7	3166.6	3040.9	2939.8	2929.0	2904.4
47.5°	4734.7	4701.3	4660.1	4481.3	4337.0	4286.9	3657.5	3440.5	3273.6	3242.2	3201.0
50°	4484.3	4474.5	4528.5	4496.1	4671.8	4788.7	4224.1	3923.6	3689.9	3579.0	3499.5
52.5°	3904.0	3924.6	4131.8	4276.1	4714.1	5138.2	4756.3	4465.6	4146.5	3902.0	3795.0
55°	3101.8	3176.4	3483.7	3784.2	4449.9	5289.4	5261.0	5032.2	4620.8	4263.4	4105.3
57.5°	2382.1	2374.2	2769.9	3042.9	3913.8	5188.3	5588.9	5524.1	5119.6	4638.5	4401.8
60°	1543.5	1536.7	2004.0	2353.6	3016.4	4669.9	5758.8	5928.7	5587.9	4962.5	4668.9
62.5°	1007.4	1049.6	1227.4	1724.2	2154.3	3611.4	5701.8	6180.0	6033.7	5262.9	4925.2
65°	648.0	663.8	741.3	1074.2	1493.5	2355.6	5240.3	6142.7	6284.1	5463.2	5042.0
67.5°	483.1	487.0	524.3	667.7	1016.3	1231.3	4113.1	5624.3	6114.2	5477.0	5003.7
70°	424.2	432.0	468.4	503.7	756.1	774.7	2404.6	4521.6	5432.8	5279.6	4810.3
72.5°	362.3	370.2	418.3	469.3	578.3	581.3	899.4	3004.6	4253.5	4879.0	4500.0
75°	295.5	300.5	342.7	411.4	482.1	466.4	520.4	1358.0	2722.8	4055.2	4014.0
77.5°	238.6	242.5	273.0	328.0	427.1	357.4	387.8	582.3	1353.0	2928.0	3252.0
80°	172.8	174.8	204.2	251.4	321.1	319.1	289.7	369.2	558.7	1710.5	2153.3
82.5°	110.0	110.0	140.4	165.0	213.1	315.2	203.3	248.4	312.2	851.3	1035.9
85°	61.9	63.8	88.4	96.2	124.7	191.5	146.3	137.5	168.9	308.3	255.3
87.5°	11.8	14.7	25.5	27.5	32.4	45.2	53.0	48.1	50.1	71.7	42.2
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°	2.0	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.9
5°	2.0	2.9	3.9	3.9	4.9	6.9	7.9	7.9	8.8	9.8	8.8
7.5°	2.0	2.9	3.9	5.9	7.9	15.7	56.9	201.3	216.0	219.0	222.9
10°	8.8	8.8	9.8	10.8	44.2	211.1	226.8	228.8	230.7	231.7	232.7
12.5°	172.8	170.8	169.9	130.6	201.3	232.7	235.7	237.6	240.6	286.7	310.3
15°	329.9	330.9	314.2	301.4	350.5	255.3	272.0	420.2	435.0	439.9	442.8
17.5°	378.0	394.7	350.5	465.4	461.5	388.8	428.1	450.7	452.7	455.6	456.6
20°	537.1	533.2	510.6	583.2	499.8	639.2	530.2	456.6	574.4	632.3	633.3
22.5°	697.1	698.1	665.7	673.6	718.7	657.9	531.2	602.9	617.6	616.6	613.7
25°	898.4	890.6	874.9	749.2	848.4	715.8	707.0	584.2	586.2	633.3	663.8
27.5°	1098.7	1079.1	1017.2	971.1	880.8	796.3	667.7	632.3	681.4	678.5	679.5
30°	1375.6	1345.2	1174.3	1168.4	934.8	788.5	679.5	629.4	612.7	616.6	614.7
32.5°	1652.5	1597.5	1443.4	1393.3	996.6	734.5	623.5	581.3	629.4	636.3	632.3
35°	1823.4	1778.2	1725.2	1525.9	1003.5	676.5	564.6	574.4	571.5	568.5	570.5
37.5°	2022.7	1949.1	1902.9	1571.0	946.5	603.9	538.1	530.2	577.4	578.3	574.4
40°	2245.6	2162.1	2059.0	1550.4	816.9	546.9	499.8	525.3	528.3	516.5	513.5
42.5°	2496.9	2375.2	2222.0	1522.9	677.5	513.5	485.1	488.0	490.0	477.2	472.3
45°	2750.3	2607.9	2361.4	1446.3	576.4	480.1	462.5	461.5	451.7	439.9	436.9
47.5°	3034.0	2867.1	2476.3	1312.8	504.7	454.6	447.7	429.1	432.0	421.2	420.2
50°	3326.6	3147.0	2542.1	1152.7	457.6	433.0	421.2	415.3	423.2	410.4	408.5
52.5°	3613.4	3463.1	2646.2	1009.4	417.3	414.4	409.4	411.4	414.4	400.6	399.6
55°	3924.6	3816.6	2741.4	872.9	382.0	388.8	405.5	404.5	403.6	390.8	390.8
57.5°	4210.3	4157.3	2838.6	767.8	354.5	366.2	396.7	396.7	391.8	381.0	380.0
60°	4542.2	4502.9	2930.9	673.6	330.9	345.6	385.9	386.9	378.0	370.2	368.2
62.5°	4843.7	4814.2	3004.6	574.4	305.4	328.0	370.2	377.0	364.3	358.4	358.4
65°	5055.8	5035.1	3044.8	451.7	280.8	310.3	353.5	363.3	346.6	345.6	345.6
67.5°	5074.4	5061.6	2961.4	377.0	263.1	293.6	332.9	342.7	328.0	330.9	325.0
70°	4900.6	4807.3	2724.7	314.2	245.5	272.0	308.3	320.1	305.4	306.3	296.5
72.5°	4533.4	4264.4	2306.5	267.1	225.8	248.4	281.8	292.6	278.9	275.9	265.1
75°	3915.8	3500.4	1605.4	231.7	205.2	222.9	249.4	260.2	251.4	236.6	233.7
77.5°	3033.1	2565.7	983.9	200.3	186.6	196.4	216.0	221.9	213.1	195.4	192.5
80°	1911.7	1538.6	474.3	173.8	162.0	166.9	179.7	184.6	177.7	160.0	150.2
82.5°	875.8	664.7	250.4	140.4	131.6	131.6	144.3	140.4	134.5	117.8	95.2
85°	204.2	210.1	115.9	86.4	83.5	74.6	86.4	85.4	76.6	58.9	49.1
87.5°	33.4	37.3	29.5	26.5	21.6	16.7	18.7	15.7	13.7	6.9	2.9
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)