

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: P417080

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417080  
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-PA1-90-727-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 8374 lumens  
Efficiency: N/A  
Efficacy: 89.1 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

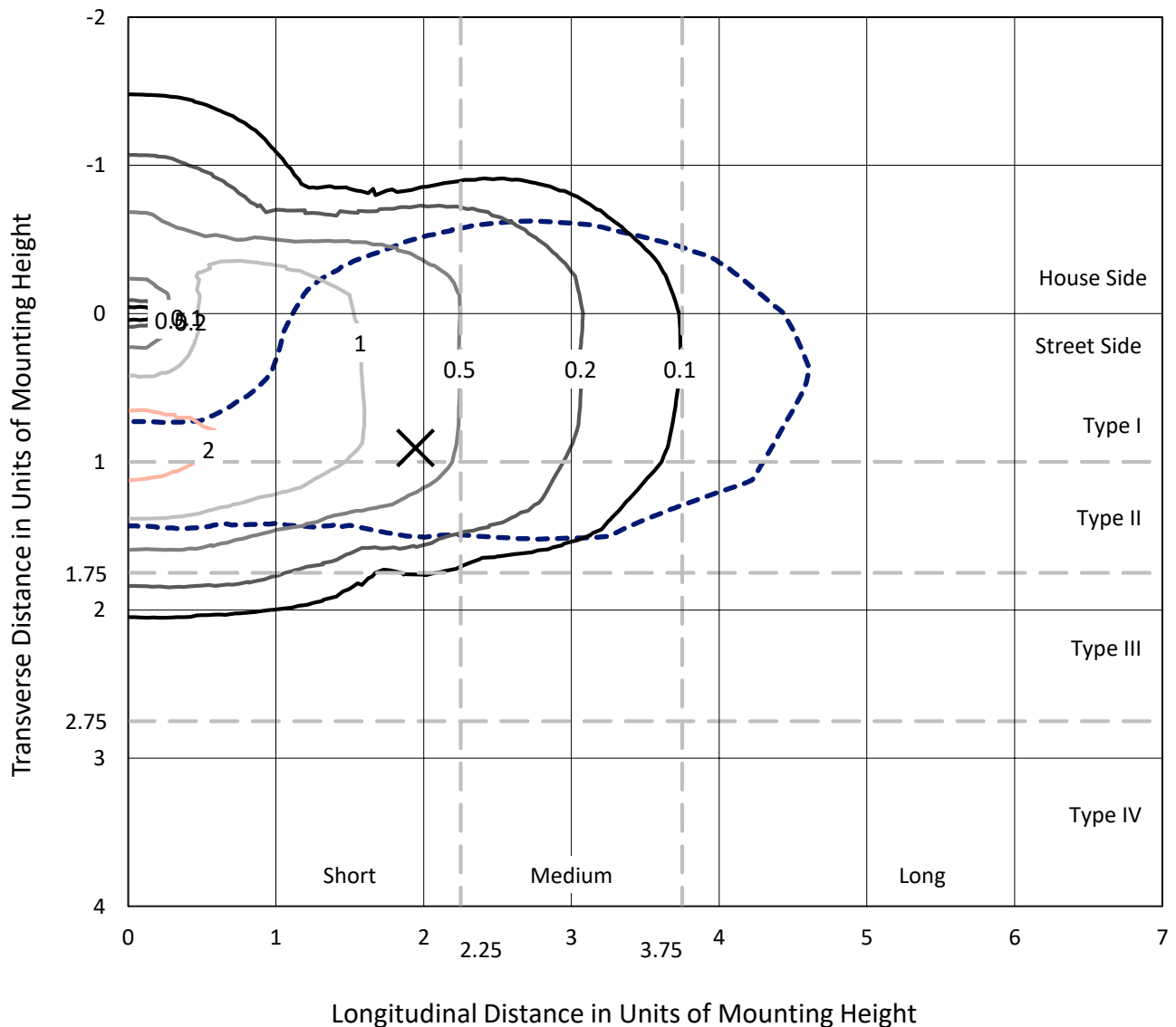
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

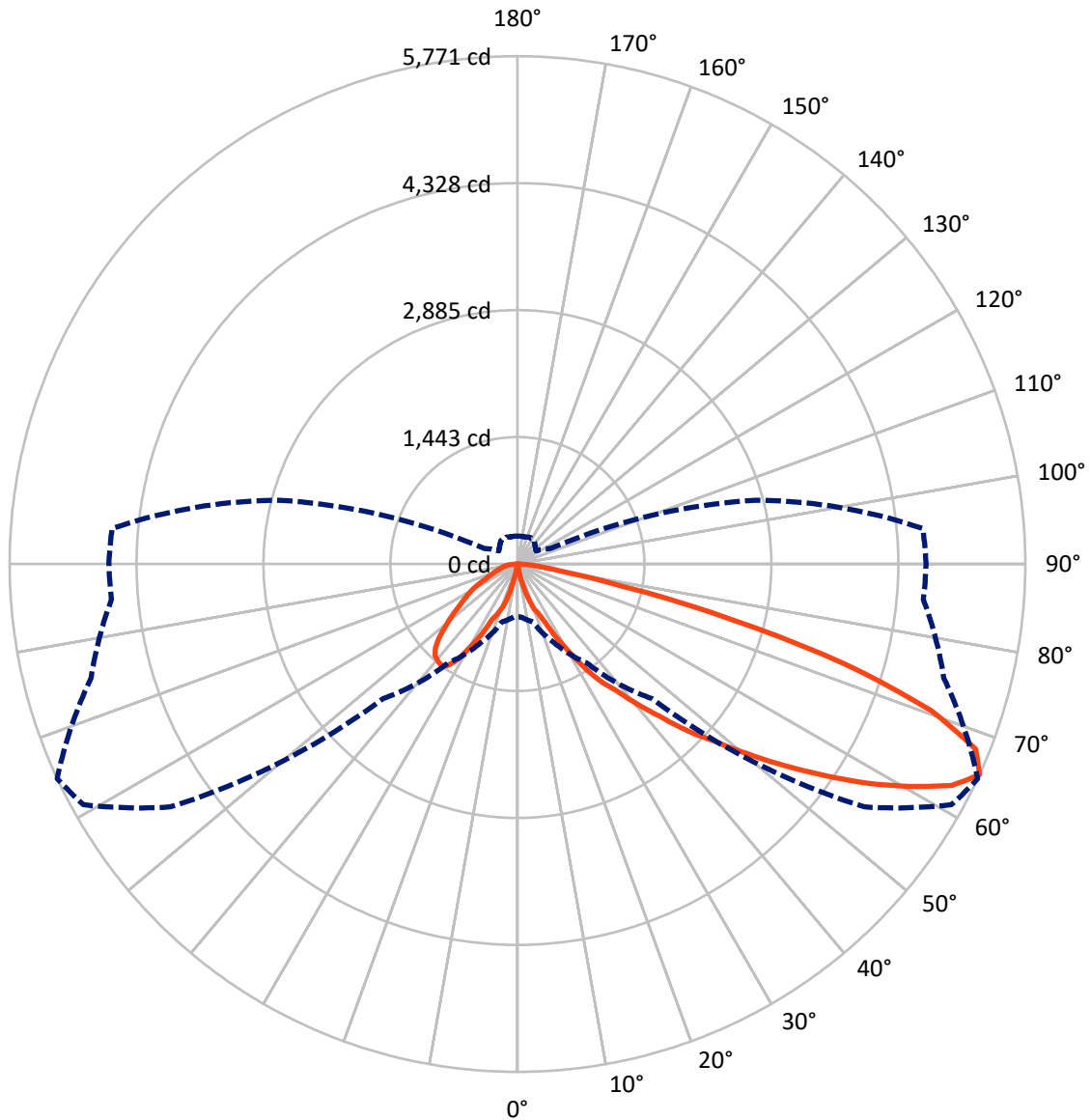
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	2259.5	0.0	2259.5
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	6114.4	0.0	6114.4
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	8374.0	0.0	8374.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	92.5	1.1
20°-30°	356.2	4.3
30°-40°	891.4	10.6
40°-50°	1659.6	19.8
50°-60°	2173.2	26.0
60°-70°	1948.2	23.3
70°-80°	1071.6	12.8
80°-90°	175.1	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°	8374.0	100.0
0°-180°	8374.0	100.0



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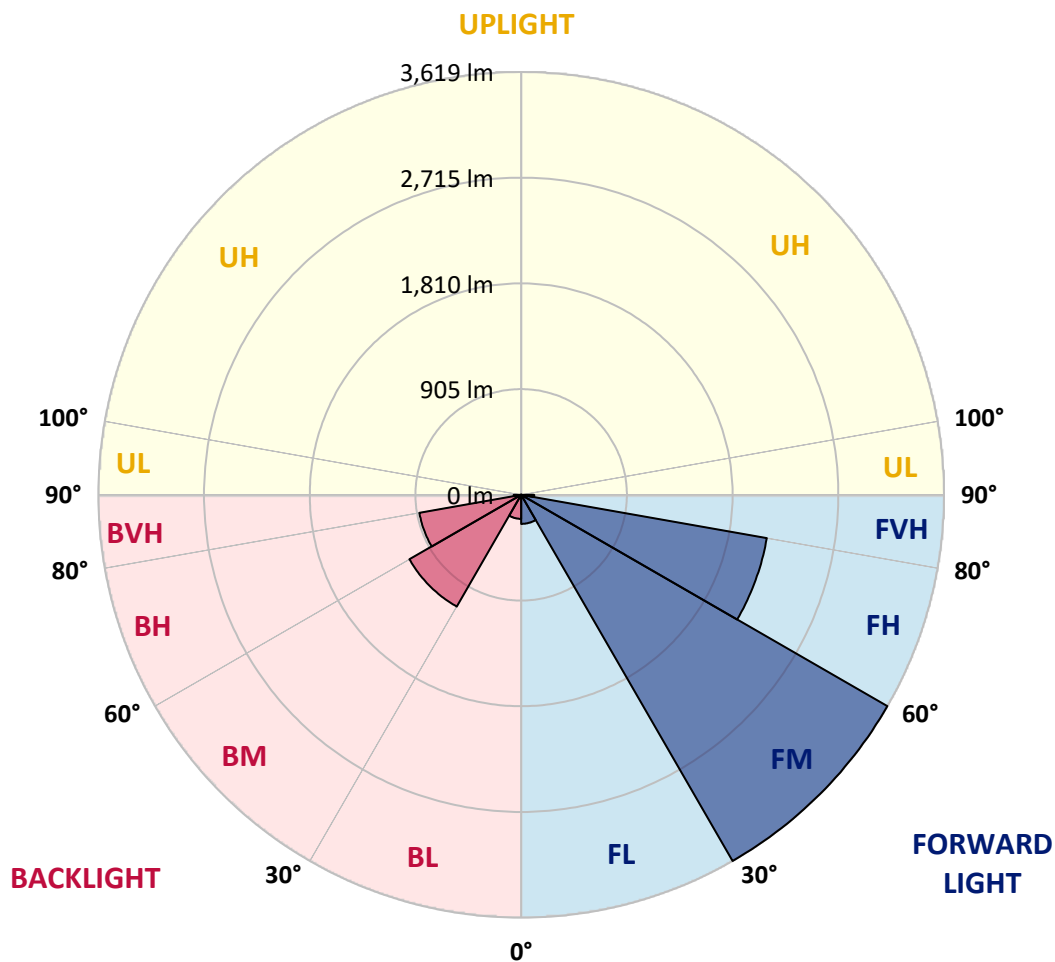
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.9	3.0			
FM	(30°-60°)	3619.4	43.2			
FH	(60°-80°)	2135.0	25.5			G2/5000
FVH	(80°-90°)	111.1	1.3			G2/225
BL	(0°-30°)	205.8	2.5	B1/500		
BM	(30°-60°)	1104.9	13.2	B2/2500		
BH	(60°-80°)	884.9	10.6	B2/1000		G2/1000
BVH	(80°-90°)	64.0	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.5	4.5	5.4	6.3	6.3	5.4	4.5	3.6	2.7	1.8	1.8
5°	41.5	37.0	28.9	19.8	11.7	9.0	7.2	5.4	4.5	2.7	1.8
7.5°	202.9	202.0	201.1	202.0	197.5	77.5	14.4	9.0	7.2	3.6	2.7
10°	203.8	202.9	202.0	203.8	203.8	201.1	191.2	28.0	14.4	9.0	9.0
12.5°	362.5	349.8	241.6	212.8	205.6	205.6	205.6	183.9	174.9	128.9	156.0
15°	380.5	377.8	376.9	378.7	335.4	221.8	310.2	292.1	295.7	252.5	299.4
17.5°	400.3	395.8	392.2	393.1	377.8	435.5	407.6	416.6	420.2	319.2	349.8
20°	620.4	620.4	573.5	434.6	477.0	546.4	450.8	495.0	548.2	477.0	489.6
22.5°	704.2	697.9	691.6	655.5	599.6	596.0	655.5	574.4	609.5	700.6	647.4
25°	957.6	959.4	804.3	756.5	837.7	730.4	782.7	778.1	736.7	849.4	820.5
27.5°	1211.8	1215.5	1198.3	1066.7	957.6	939.5	890.9	960.3	949.5	942.2	1009.9
30°	1449.0	1448.1	1370.5	1315.5	1256.9	1152.3	1098.2	1112.7	1155.9	1116.3	1259.6
32.5°	2016.1	2000.8	1917.9	1568.9	1478.7	1380.5	1365.1	1324.6	1411.1	1383.2	1515.7
35°	2393.9	2390.3	2239.8	2043.2	1758.3	1649.2	1651.0	1575.2	1646.5	1682.5	1703.3
37.5°	3237.9	3225.3	2996.3	2420.1	2195.6	1971.1	1929.6	1893.5	1819.6	1924.2	1923.3
40°	3692.3	3656.3	3454.3	3074.7	2577.9	2307.4	2220.8	2143.3	2090.1	2151.4	2143.3
42.5°	4045.8	4017.9	3875.4	3482.3	3076.5	2866.4	2543.6	2469.7	2362.4	2435.4	2397.5
45°	4299.2	4284.7	4157.6	3865.5	3554.4	3400.2	2907.9	2792.5	2699.6	2689.7	2667.1
47.5°	4347.9	4317.2	4279.3	4115.2	3982.7	3936.7	3358.7	3159.5	3006.2	2977.3	2939.5
50°	4117.9	4108.9	4158.5	4128.8	4290.2	4397.5	3879.0	3603.1	3388.5	3286.6	3213.6
52.5°	3585.0	3604.0	3794.2	3926.8	4328.9	4718.5	4367.7	4100.8	3807.8	3583.2	3485.0
55°	2848.4	2916.9	3199.1	3475.0	4086.4	4857.3	4831.2	4621.1	4243.3	3915.1	3769.9
57.5°	2187.5	2180.2	2543.6	2794.3	3594.1	4764.4	5132.3	5072.8	4701.3	4259.5	4042.2
60°	1417.4	1411.1	1840.3	2161.3	2769.9	4288.4	5288.3	5444.3	5131.4	4557.1	4287.5
62.5°	925.1	963.9	1127.1	1583.3	1978.3	3316.4	5236.0	5675.1	5540.8	4833.0	4522.8
65°	595.1	609.5	680.8	986.4	1371.4	2163.1	4812.2	5640.9	5770.7	5016.9	4630.1
67.5°	443.6	447.2	481.5	613.1	933.2	1130.7	3777.1	5164.8	5614.7	5029.5	4594.9
70°	389.5	396.7	430.1	462.6	694.3	711.4	2208.2	4152.2	4989.0	4848.3	4417.3
72.5°	332.7	339.9	384.1	431.0	531.1	533.8	825.9	2759.1	3906.0	4480.4	4132.4
75°	271.4	275.9	314.7	377.8	442.7	428.3	477.9	1247.0	2500.3	3723.9	3686.0
77.5°	219.1	222.7	250.7	301.2	392.2	328.2	356.2	534.7	1242.5	2688.8	2986.3
80°	158.7	160.5	187.5	230.8	294.8	293.0	266.0	339.0	513.1	1570.7	1977.4
82.5°	101.0	101.0	128.9	151.5	195.7	289.4	186.6	228.1	286.7	781.7	951.3
85°	56.8	58.6	81.2	88.4	114.5	175.8	134.3	126.2	155.1	283.1	234.4
87.5°	10.8	13.5	23.4	25.2	29.8	41.5	48.7	44.2	46.0	65.8	38.8
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	1.8	2.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.7	2.7
5°	1.8	2.7	3.6	3.6	4.5	6.3	7.2	7.2	8.1	9.0	8.1
7.5°	1.8	2.7	3.6	5.4	7.2	14.4	52.3	184.8	198.4	201.1	204.7
10°	8.1	8.1	9.0	9.9	40.6	193.9	208.3	210.1	211.9	212.8	213.7
12.5°	158.7	156.9	156.0	119.9	184.8	213.7	216.4	218.2	220.9	263.3	284.9
15°	303.0	303.9	288.5	276.8	321.9	234.4	249.8	385.9	399.4	403.9	406.7
17.5°	347.1	362.5	321.9	427.4	423.8	357.1	393.1	413.9	415.7	418.4	419.3
20°	493.2	489.6	468.9	535.6	459.0	587.0	486.9	419.3	527.5	580.7	581.6
22.5°	640.2	641.1	611.3	618.5	660.0	604.1	487.8	553.6	567.2	566.3	563.5
25°	825.0	817.8	803.4	688.0	779.0	657.3	649.2	536.5	538.3	581.6	609.5
27.5°	1009.0	990.9	934.1	891.8	808.8	731.3	613.1	580.7	625.8	623.1	624.0
30°	1263.2	1235.3	1078.4	1073.0	858.4	724.0	624.0	578.0	562.6	566.3	564.4
32.5°	1517.5	1467.0	1325.5	1279.5	915.2	674.5	572.6	533.8	578.0	584.3	580.7
35°	1674.4	1632.9	1584.2	1401.2	921.5	621.3	518.5	527.5	524.8	522.1	523.9
37.5°	1857.4	1789.8	1747.4	1442.7	869.2	554.5	494.1	486.9	530.2	531.1	527.5
40°	2062.1	1985.5	1890.8	1423.7	750.2	502.2	459.0	482.4	485.1	474.3	471.6
42.5°	2293.0	2181.1	2040.5	1398.5	622.2	471.6	445.4	448.1	449.9	438.2	433.7
45°	2525.6	2394.8	2168.5	1328.2	529.3	440.9	424.7	423.8	414.8	403.9	401.2
47.5°	2786.2	2632.9	2274.0	1205.5	463.5	417.5	411.2	394.0	396.7	386.8	385.9
50°	3054.9	2889.9	2334.4	1058.6	420.2	397.6	386.8	381.4	388.6	376.9	375.1
52.5°	3318.2	3180.2	2430.0	926.9	383.2	380.5	376.0	377.8	380.5	367.9	367.0
55°	3604.0	3504.8	2517.5	801.6	350.8	357.1	372.4	371.5	370.6	358.9	358.9
57.5°	3866.4	3817.7	2606.7	705.1	325.5	336.3	364.3	364.3	359.8	349.8	348.9
60°	4171.1	4135.1	2691.5	618.5	303.9	317.4	354.4	355.3	347.1	339.9	338.1
62.5°	4448.0	4420.9	2759.1	527.5	280.4	301.2	339.9	346.2	334.5	329.1	329.1
65°	4642.7	4623.8	2796.1	414.8	257.9	284.9	324.6	333.6	318.3	317.4	317.4
67.5°	4659.8	4648.1	2719.4	346.2	241.6	269.6	305.7	314.7	301.2	303.9	298.5
70°	4500.2	4414.6	2502.1	288.5	225.4	249.8	283.1	293.9	280.4	281.3	272.3
72.5°	4163.0	3916.0	2118.0	245.3	207.4	228.1	258.8	268.7	256.1	253.4	243.5
75°	3595.9	3214.5	1474.2	212.8	188.4	204.7	229.0	238.9	230.8	217.3	214.6
77.5°	2785.3	2356.1	903.5	183.9	171.3	180.3	198.4	203.8	195.7	179.4	176.7
80°	1755.6	1412.9	435.5	159.6	148.8	153.3	165.0	169.5	163.2	147.0	138.0
82.5°	804.3	610.4	229.9	128.9	120.8	120.8	132.5	128.9	123.5	108.2	87.5
85°	187.5	193.0	106.4	79.3	76.6	68.5	79.3	78.4	70.3	54.1	45.1
87.5°	30.7	34.3	27.1	24.3	19.8	15.3	17.1	14.4	12.6	6.3	2.7
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)