

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: P417089

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417089  
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-PA1-90-727-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8376 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 IV - Medium - 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

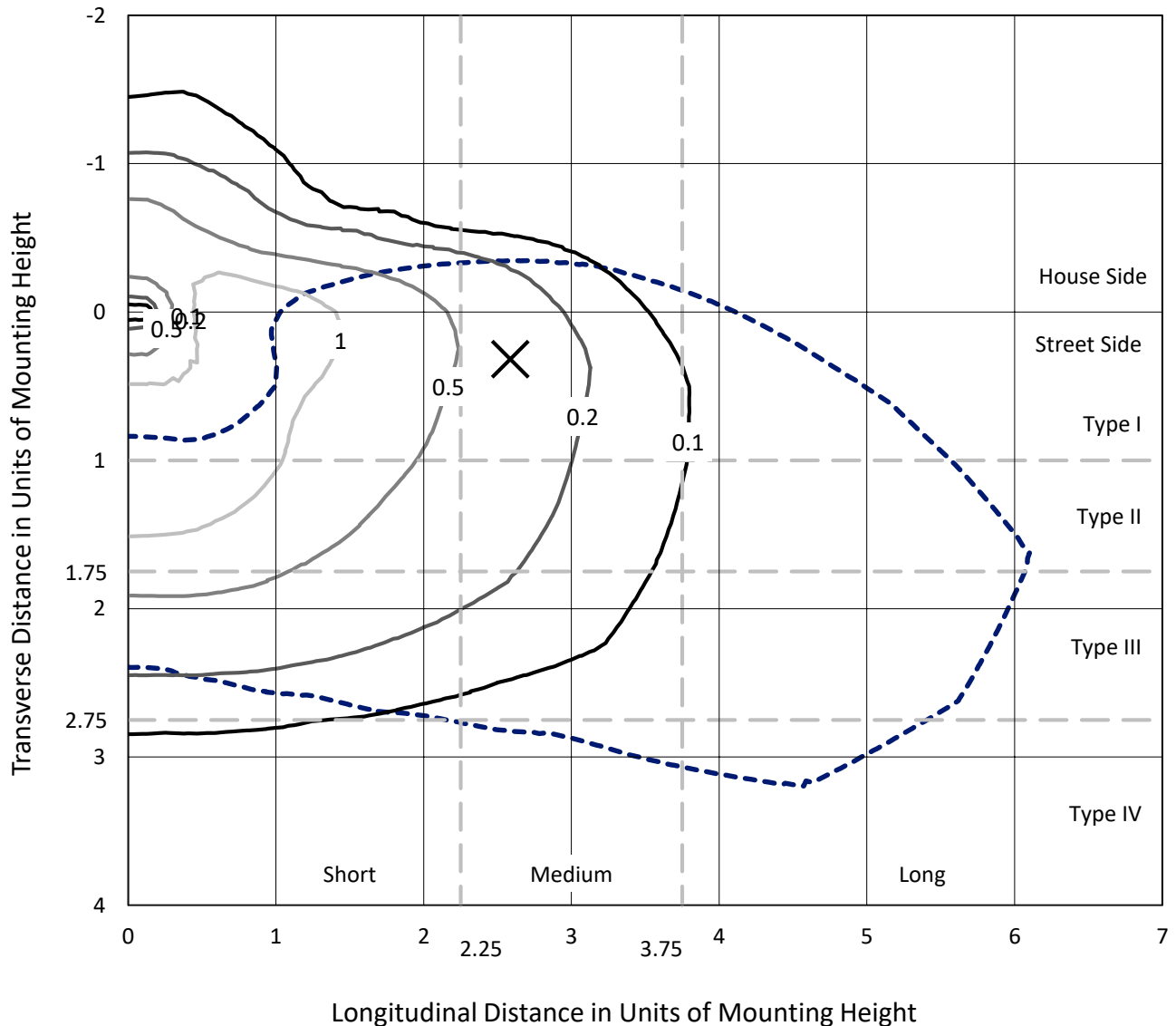


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

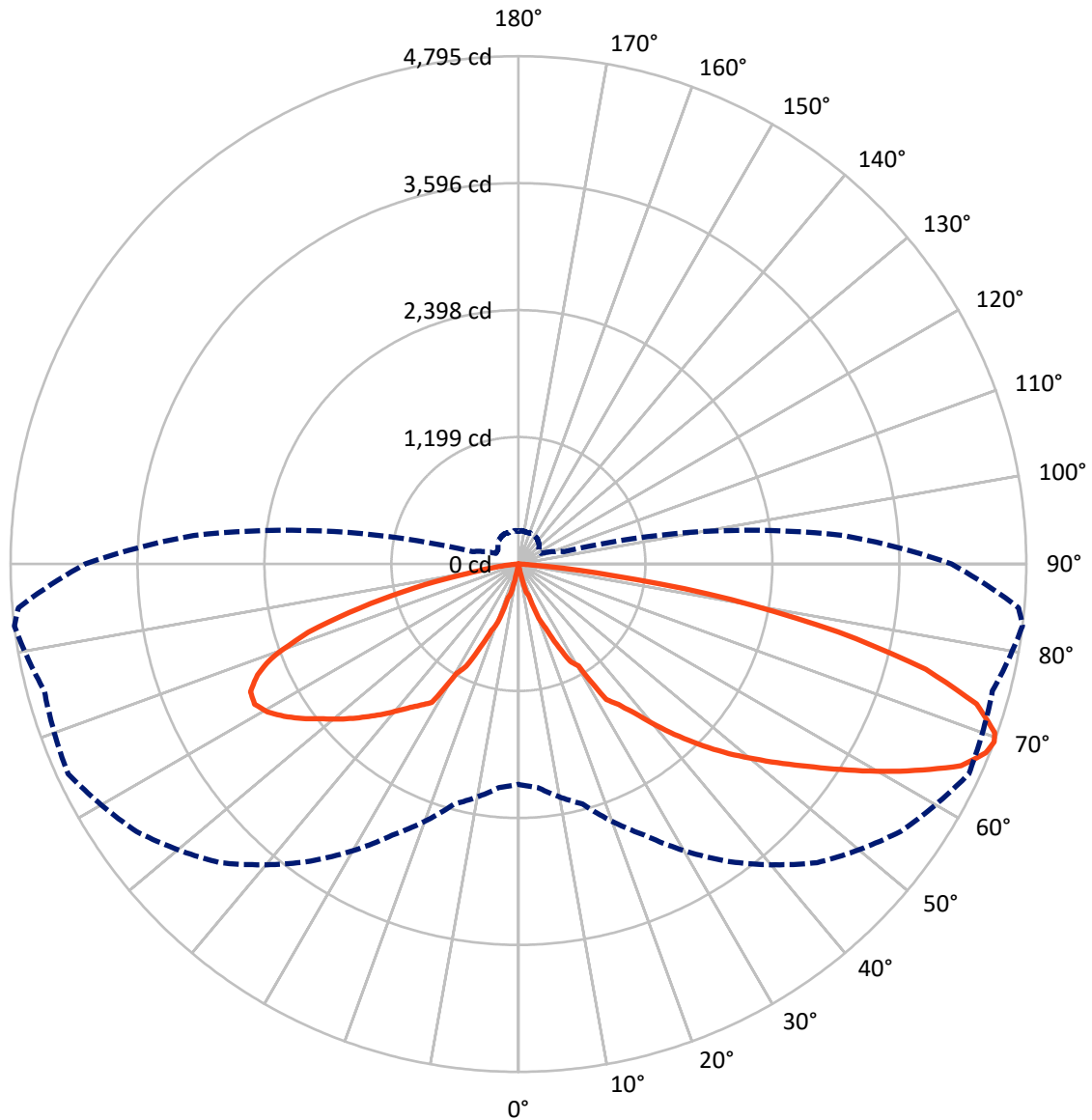


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - Non-Cutoff

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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	1776.6	0.0	1776.6
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	6599.4	0.0	6599.4
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	8376.0	0.0	8376.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	85.1	1.0
20°-30°	335.9	4.0
30°-40°	747.5	8.9
40°-50°	1269.3	15.2
50°-60°	1891.5	22.6
60°-70°	2227.6	26.6
70°-80°	1559.2	18.6
80°-90°	254.5	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°	8376.0	100.0
0°-180°	8376.0	100.0

**Coefficient of Utilization**



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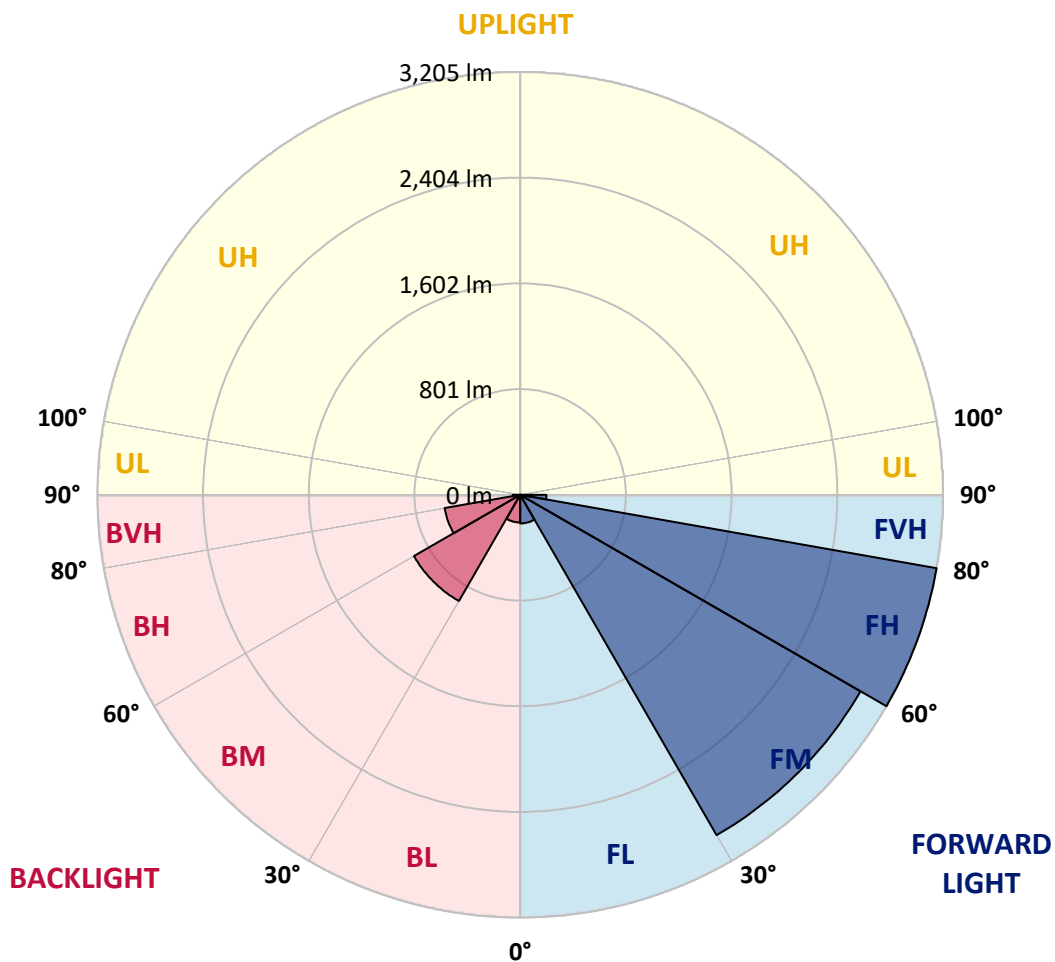
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.9	2.6			
FM (30°-60°)	2978.6	35.6			
FH (60°-80°)	3204.9	38.3			G2/5000
FVH (80°-90°)	199.0	2.4			G2/225
BL (0°-30°)	209.5	2.5	B1/500		
BM (30°-60°)	929.6	11.1	B1/1000		
BH (60°-80°)	581.9	6.9	B2/1000		G2/1000
BVH (80°-90°)	55.6	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.5	3.6	4.5	5.4	5.4	4.5	3.6	3.6	3.6	3.6	2.7
5°	73.0	53.2	47.8	42.4	25.2	9.0	5.4	3.6	3.6	3.6	3.6
7.5°	154.2	154.2	154.2	155.1	154.2	114.5	27.1	6.3	3.6	3.6	3.6
10°	156.0	155.1	154.2	155.1	156.9	157.8	152.4	21.6	9.0	8.1	8.1
12.5°	282.2	280.4	270.5	189.4	160.5	161.4	165.0	119.0	43.3	114.5	133.5
15°	299.4	297.6	297.6	298.5	283.1	175.8	248.0	324.6	230.8	275.9	280.4
17.5°	335.4	325.5	317.4	312.0	313.8	349.9	351.7	358.9	268.7	309.3	314.7
20°	514.0	510.4	481.5	368.8	344.5	454.5	404.9	398.6	503.2	546.4	555.5
22.5°	587.0	583.4	562.7	542.8	566.3	495.0	576.2	594.2	681.7	655.6	663.7
25°	797.1	794.4	679.0	628.5	690.7	569.0	711.5	680.8	752.9	839.5	848.5
27.5°	975.7	969.3	945.9	847.6	771.0	853.0	787.2	909.8	1022.6	1037.0	1064.0
30°	1158.7	1117.2	1045.1	1048.7	949.5	940.5	937.8	1092.0	1095.6	1118.1	1164.1
32.5°	1458.1	1439.1	1378.7	1192.1	1170.4	1045.1	1154.2	1164.1	1431.0	1524.8	1533.8
35°	1697.9	1616.8	1560.0	1454.5	1290.4	1330.9	1285.9	1464.4	1569.9	1630.3	1667.3
37.5°	2080.3	2091.1	1998.2	1614.1	1511.3	1464.4	1542.8	1639.3	1771.0	1785.4	1841.3
40°	2355.3	2348.1	2222.7	1939.6	1709.7	1661.9	1714.2	1808.9	1987.4	2005.4	2019.0
42.5°	2755.7	2720.5	2545.6	2227.2	2014.4	1913.5	1927.9	1967.6	2146.1	2226.3	2210.1
45°	3126.3	3102.8	2926.1	2533.8	2303.0	2184.9	2163.2	2128.1	2342.7	2450.0	2420.2
47.5°	3416.6	3375.1	3274.1	2874.7	2697.0	2496.0	2387.8	2323.7	2537.4	2674.5	2633.0
50°	3727.7	3664.6	3573.5	3212.8	3037.9	2858.5	2620.4	2540.1	2756.6	2892.7	2859.4
52.5°	3934.2	3835.9	3779.1	3514.0	3352.6	3195.7	2846.7	2792.6	2997.3	3128.1	3120.9
55°	3830.5	3826.9	3884.6	3716.9	3560.0	3394.1	3082.1	3079.4	3248.9	3383.3	3389.6
57.5°	3650.2	3669.1	3833.2	3858.5	3791.7	3597.0	3373.3	3400.4	3544.7	3669.1	3682.6
60°	3420.2	3472.5	3708.8	3842.2	3895.4	3798.9	3653.8	3695.2	3867.5	3974.8	3971.2
62.5°	3116.3	3158.7	3452.7	3754.8	3863.0	3954.0	3912.6	4046.0	4182.2	4283.2	4309.3
65°	2757.5	2774.6	3092.9	3500.5	3780.0	4033.4	4129.0	4371.5	4437.4	4592.5	4597.9
67.5°	2359.8	2365.2	2642.0	3128.1	3599.7	4027.1	4312.9	4612.3	4595.2	4760.2	4747.6
69°	2080.3	2119.0	2346.3	2825.1	3424.7	3988.3	4404.0	4691.6	4633.9	4795.3	4740.3
70°	1883.7	1881.0	2140.7	2568.1	3270.5	3938.7	4461.7	4712.4	4634.8	4771.0	4688.0
72.5°	1200.2	1218.2	1442.8	1822.4	2635.7	3652.0	4532.9	4657.4	4535.7	4522.1	4344.5
75°	530.2	481.5	622.2	964.8	1657.4	2840.4	4361.6	4409.4	4253.4	3974.8	3670.0
77.5°	185.8	193.0	234.4	392.2	798.0	1692.5	3615.0	3879.2	3756.6	3086.6	2746.6
80°	132.6	133.5	156.9	219.1	386.8	596.9	2301.2	2806.2	2890.9	2035.2	1749.3
82.5°	93.8	93.8	116.3	139.8	267.8	266.9	990.1	1543.7	1649.2	902.6	675.4
85°	78.4	80.3	89.3	81.2	156.9	136.2	244.4	476.1	390.4	110.0	96.5
87.5°	11.7	10.8	30.7	27.1	23.4	19.8	27.1	30.7	20.7	16.2	11.7
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°	3.6	3.6	3.6	3.6	2.7	1.8	1.8	1.8	2.7	2.7	2.7
5°	3.6	3.6	3.6	3.6	3.6	3.6	4.5	6.3	7.2	8.1	8.1
7.5°	3.6	3.6	3.6	4.5	5.4	8.1	44.2	153.3	167.7	174.9	179.4
10°	7.2	8.1	8.1	8.1	19.8	169.5	202.0	209.2	216.4	220.0	219.1
12.5°	139.8	144.3	36.1	26.1	157.8	211.9	218.2	225.4	232.6	238.1	237.2
15°	287.6	294.9	283.1	293.1	311.1	229.9	235.3	398.6	431.9	438.2	439.1
17.5°	321.0	326.4	331.8	431.9	442.7	340.9	407.6	437.3	440.9	442.7	443.6
20°	611.4	608.7	492.3	473.4	468.9	591.5	432.8	440.9	527.5	600.5	604.2
22.5°	674.5	682.6	650.1	695.2	615.9	598.7	545.5	584.3	616.8	615.9	613.2
25°	874.7	885.5	745.7	723.2	738.5	595.1	680.8	583.4	592.4	593.3	598.7
27.5°	1093.8	1096.5	1035.2	814.3	726.8	736.7	641.1	621.3	694.3	698.8	698.8
30°	1191.2	1208.3	1093.8	943.2	752.9	696.1	621.3	677.2	644.7	650.1	650.1
32.5°	1582.5	1569.0	1428.3	934.2	780.0	640.2	649.2	627.6	695.2	713.3	715.1
35°	1685.3	1657.4	1436.4	1044.2	727.7	653.7	593.3	637.5	637.5	636.6	632.1
37.5°	1812.5	1763.8	1419.3	966.6	732.2	596.9	572.6	573.5	625.8	637.5	629.4
40°	1963.0	1890.0	1416.6	902.6	663.7	565.4	525.7	551.9	551.0	535.6	526.6
42.5°	2126.3	2029.8	1410.3	826.9	596.0	530.2	495.9	487.8	492.3	464.4	461.7
45°	2317.4	2174.0	1392.3	760.2	541.9	492.3	453.6	440.9	442.7	421.1	415.7
47.5°	2520.3	2322.8	1387.7	707.9	496.8	454.5	422.9	406.7	413.0	388.6	383.2
50°	2746.6	2476.1	1372.4	659.2	447.3	419.3	395.9	376.9	377.8	358.9	354.4
52.5°	2992.8	2624.9	1355.3	592.4	402.2	389.5	376.0	361.6	377.8	352.6	347.2
55°	3245.3	2806.2	1332.7	514.9	361.6	367.0	353.5	364.3	387.7	348.1	340.9
57.5°	3525.7	2976.6	1290.4	430.1	329.1	341.8	350.8	365.2	384.1	347.2	333.6
60°	3791.7	3140.7	1189.4	363.4	301.2	321.0	345.4	359.8	358.0	340.9	331.8
62.5°	4062.2	3275.9	1002.7	312.0	277.7	311.1	337.2	343.6	335.4	329.1	323.7
65°	4211.0	3309.3	777.3	277.7	258.8	297.6	327.3	332.7	321.0	321.0	316.5
67.5°	4186.7	3202.0	573.5	249.8	242.6	284.0	310.2	322.8	314.7	321.0	313.8
69°	4089.3	3079.4	450.9	235.3	234.4	273.2	300.3	314.7	308.4	317.4	308.4
70°	3974.8	2955.8	398.6	227.2	226.3	265.1	294.0	308.4	301.2	308.4	300.3
72.5°	3535.6	2536.5	285.8	204.7	207.4	248.9	278.6	289.5	283.1	284.9	274.1
75°	2826.9	1885.5	226.3	185.8	188.5	229.9	261.5	267.8	263.3	255.2	248.9
77.5°	1987.4	1215.5	185.8	168.6	169.5	207.4	243.5	242.6	235.3	227.2	219.1
80°	1083.9	571.7	157.8	147.9	150.6	184.9	217.3	214.6	205.6	197.5	187.6
82.5°	468.9	230.8	122.6	118.1	126.2	155.1	186.7	179.4	171.3	174.9	136.2
85°	83.9	79.4	71.2	75.7	85.7	110.0	131.7	125.3	120.8	102.8	94.7
87.5°	7.2	10.8	10.8	13.5	18.9	20.7	37.0	27.1	28.0	10.8	5.4
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)