

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: P416725

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416725  
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-PA1-80-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8460 lumens  
Efficiency: N/A  
Efficacy: 101.9 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

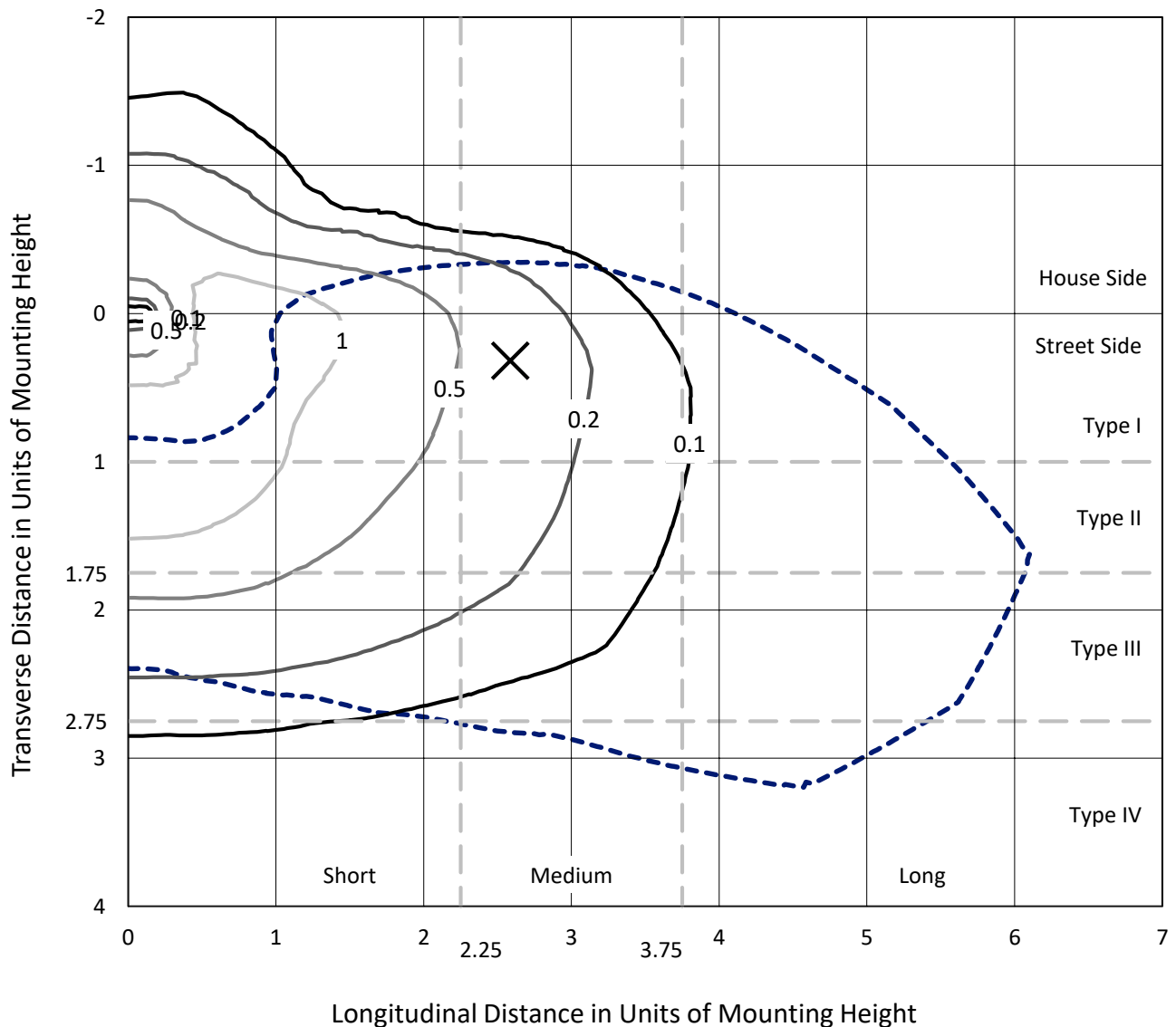
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

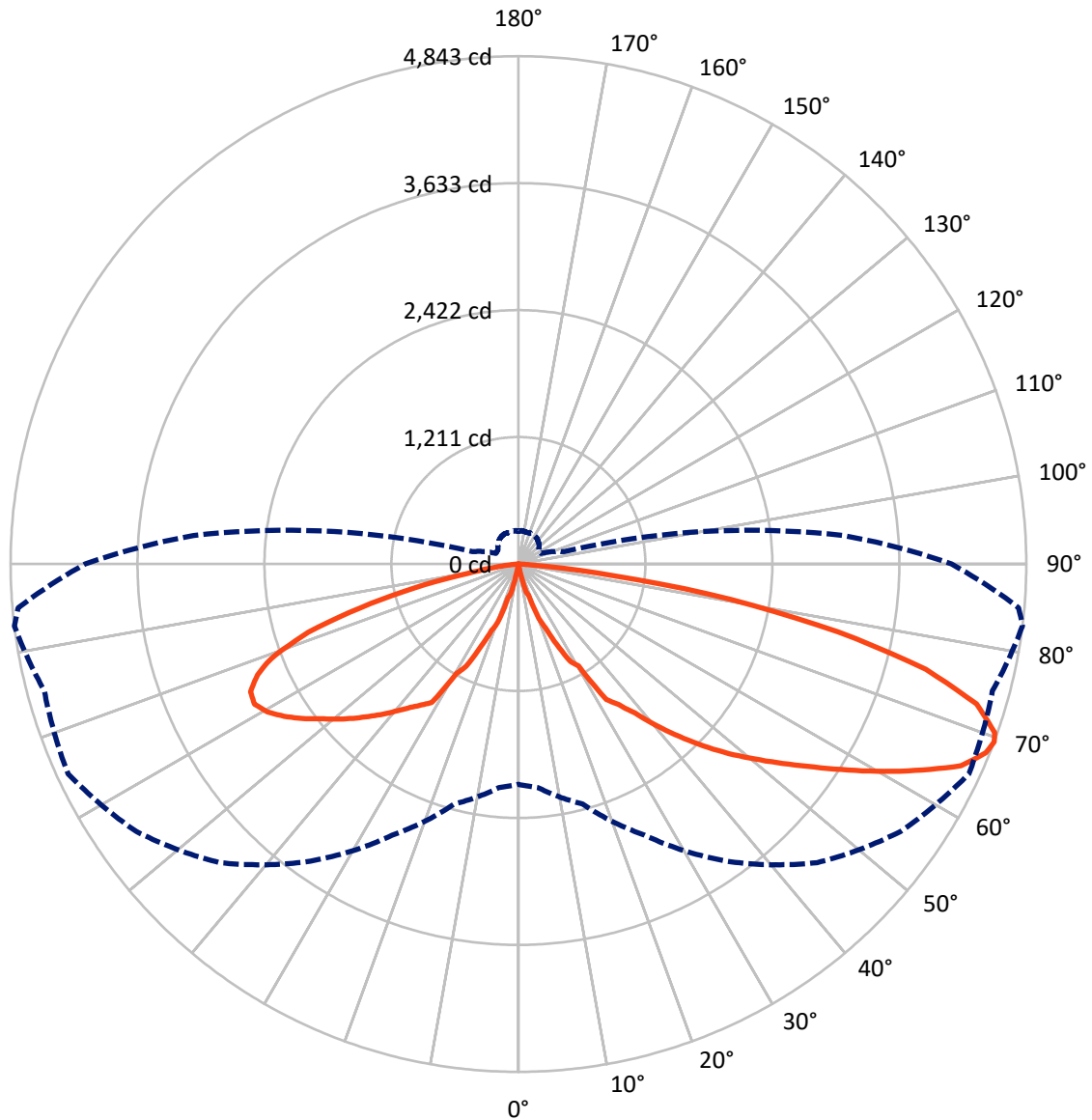


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - Non-Cutoff

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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	1794.4	0.0	1794.4
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	6665.6	0.0	6665.6
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	8460.0	0.0	8460.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	86.0	1.0
20°-30°	339.3	4.0
30°-40°	755.0	8.9
40°-50°	1282.0	15.2
50°-60°	1910.5	22.6
60°-70°	2249.9	26.6
70°-80°	1574.8	18.6
80°-90°	257.1	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°	8460.0	100.0
0°-180°	8460.0	100.0



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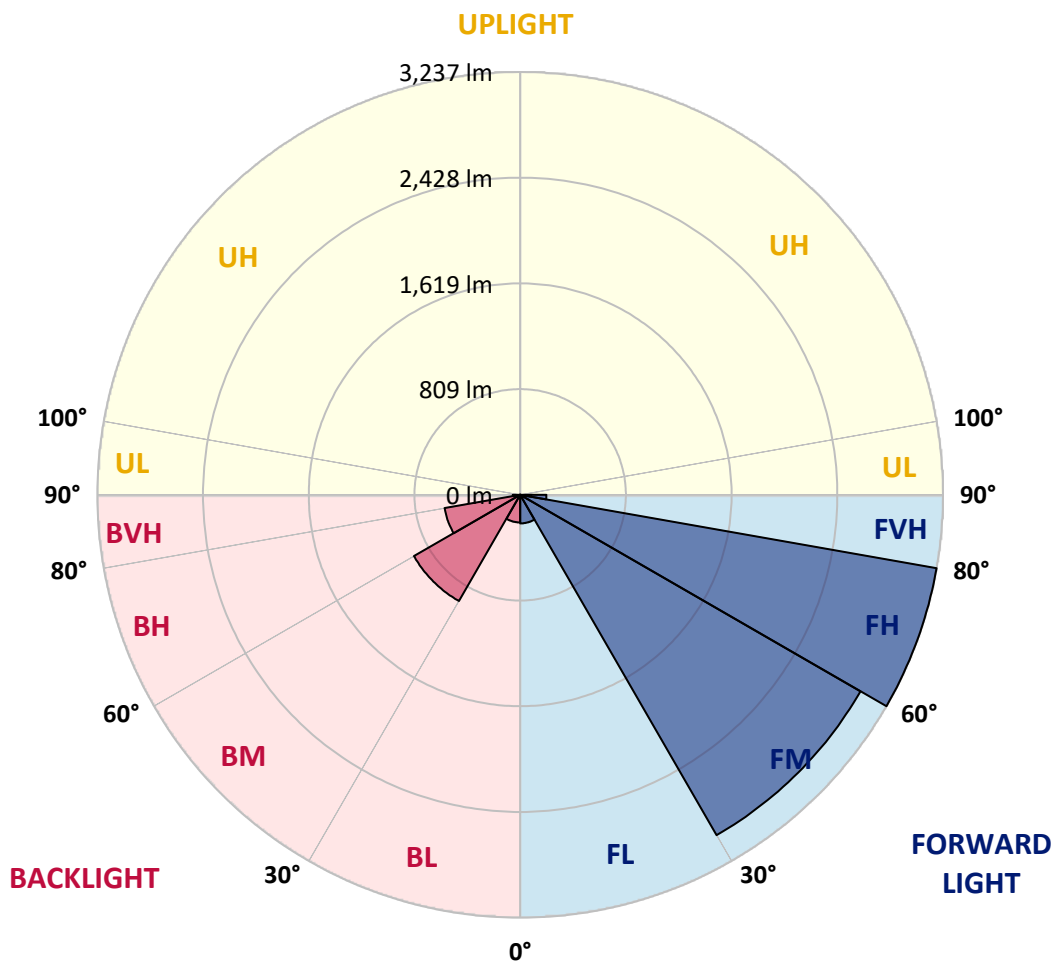
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.1	2.6			
FM (30°-60°)	3008.5	35.6			
FH (60°-80°)	3237.0	38.3			G2/5000
FVH (80°-90°)	201.0	2.4			G2/225
BL (0°-30°)	211.6	2.5	B1/500		
BM (30°-60°)	938.9	11.1	B1/1000		
BH (60°-80°)	587.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	56.1	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°	4.6	3.6	4.6	5.5	5.5	4.6	3.6	3.6	3.6	3.6	2.7
5°	73.8	53.7	48.3	42.8	25.5	9.1	5.5	3.6	3.6	3.6	3.6
7.5°	155.7	155.7	155.7	156.7	155.7	115.7	27.3	6.4	3.6	3.6	3.6
10°	157.6	156.7	155.7	156.7	158.5	159.4	153.9	21.9	9.1	8.2	8.2
12.5°	285.1	283.2	273.2	191.3	162.1	163.0	166.7	120.2	43.7	115.7	134.8
15°	302.4	300.6	300.6	301.5	286.0	177.6	250.5	327.9	233.2	278.7	283.2
17.5°	338.8	328.8	320.6	315.1	316.9	353.4	355.2	362.5	271.4	312.4	317.9
20°	519.1	515.5	486.3	372.5	347.9	459.0	408.9	402.6	508.2	551.9	561.0
22.5°	592.9	589.3	568.3	548.3	572.0	500.0	582.0	600.2	688.5	662.1	670.3
25°	805.1	802.4	685.8	634.8	697.6	574.7	718.6	687.6	760.5	847.9	857.0
27.5°	985.4	979.1	955.4	856.1	778.7	861.6	795.1	919.0	1032.8	1047.4	1074.7
30°	1170.3	1128.4	1055.6	1059.2	959.0	949.9	947.2	1102.9	1106.6	1129.3	1175.8
32.5°	1472.7	1453.6	1392.6	1204.0	1182.2	1055.6	1165.8	1175.8	1445.4	1540.1	1549.2
35°	1715.0	1633.0	1575.6	1469.1	1303.3	1344.3	1298.7	1479.1	1585.6	1646.7	1684.0
37.5°	2101.1	2112.1	2018.3	1630.3	1526.4	1479.1	1558.3	1655.8	1788.7	1803.3	1859.8
40°	2378.9	2371.6	2245.0	1959.1	1726.8	1678.5	1731.4	1827.0	2007.3	2025.5	2039.2
42.5°	2783.3	2747.8	2571.1	2249.6	2034.6	1932.6	1947.2	1987.3	2167.6	2248.7	2232.3
45°	3157.6	3133.9	2955.4	2559.2	2326.1	2206.8	2184.9	2149.4	2366.2	2474.5	2444.5
47.5°	3450.9	3409.0	3307.0	2903.5	2724.1	2521.0	2411.7	2347.0	2562.9	2701.3	2659.4
50°	3765.1	3701.3	3609.4	3245.0	3068.4	2887.1	2646.7	2565.6	2784.2	2921.7	2888.0
52.5°	3973.7	3874.4	3817.0	3549.2	3386.2	3227.7	2875.3	2820.6	3027.4	3159.4	3152.2
55°	3868.9	3865.3	3923.6	3754.2	3595.7	3428.1	3113.0	3110.3	3281.5	3417.2	3423.6
57.5°	3686.8	3705.9	3871.7	3897.2	3829.8	3633.0	3407.2	3434.5	3580.2	3705.9	3719.6
60°	3454.5	3507.3	3746.0	3880.8	3934.5	3837.0	3690.4	3732.3	3906.3	4014.6	4011.0
62.5°	3147.6	3190.4	3487.3	3792.4	3901.7	3993.7	3951.8	4086.6	4224.1	4326.1	4352.5
65°	2785.1	2802.4	3123.9	3535.6	3817.9	4073.8	4170.4	4415.4	4481.9	4638.5	4644.0
67.5°	2383.5	2388.9	2668.5	3159.4	3635.8	4067.5	4356.2	4658.6	4641.2	4807.9	4795.2
69°	2101.1	2140.3	2369.8	2853.4	3459.1	4028.3	4448.2	4738.7	4680.4	4843.4	4787.9
70°	1902.6	1899.9	2162.2	2593.9	3303.3	3978.2	4506.5	4759.6	4681.3	4818.8	4735.1
72.5°	1212.2	1230.4	1457.2	1840.7	2662.2	3688.6	4578.4	4704.1	4581.1	4567.5	4388.1
75°	535.5	486.3	628.4	974.5	1674.0	2868.9	4405.4	4453.6	4296.1	4014.6	3706.8
77.5°	187.6	194.9	236.8	396.2	806.0	1709.5	3651.2	3918.1	3794.2	3117.5	2774.2
80°	133.9	134.8	158.5	221.3	390.7	602.9	2324.3	2834.3	2919.9	2055.6	1766.9
82.5°	94.7	94.7	117.5	141.2	270.5	269.6	1000.0	1559.2	1665.8	911.7	682.2
85°	79.2	81.1	90.2	82.0	158.5	137.5	246.8	480.9	394.4	111.1	97.5
87.5°	11.8	10.9	31.0	27.3	23.7	20.0	27.3	31.0	20.9	16.4	11.8
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°	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	4.6	6.4	7.3	8.2	8.2
7.5°	3.6	3.6	3.6	4.6	5.5	8.2	44.6	154.8	169.4	176.7	181.2
10°	7.3	8.2	8.2	8.2	20.0	171.2	204.0	211.3	218.6	222.2	221.3
12.5°	141.2	145.7	36.4	26.4	159.4	214.0	220.4	227.7	235.0	240.4	239.5
15°	290.5	297.8	286.0	296.0	314.2	232.2	237.7	402.6	436.3	442.6	443.5
17.5°	324.2	329.7	335.2	436.3	447.2	344.3	411.7	441.7	445.4	447.2	448.1
20°	617.5	614.8	497.3	478.2	473.6	597.5	437.2	445.4	532.8	606.6	610.2
22.5°	681.3	689.4	656.7	702.2	622.1	604.7	551.0	590.2	623.0	622.1	619.3
25°	883.4	894.4	753.2	730.4	745.9	601.1	687.6	589.3	598.4	599.3	604.7
27.5°	1104.8	1107.5	1045.6	822.4	734.1	744.1	647.6	627.5	701.3	705.8	705.8
30°	1203.1	1220.4	1104.8	952.7	760.5	703.1	627.5	684.0	651.2	656.7	656.7
32.5°	1598.4	1584.7	1442.6	943.6	787.8	646.6	655.7	633.9	702.2	720.4	722.2
35°	1702.2	1674.0	1450.8	1054.7	735.0	660.3	599.3	643.9	643.9	643.0	638.4
37.5°	1830.6	1781.5	1433.5	976.3	739.5	602.9	578.3	579.2	632.1	643.9	635.7
40°	1982.7	1909.0	1430.8	911.7	670.3	571.0	531.0	557.4	556.5	541.0	531.9
42.5°	2147.6	2050.1	1424.4	835.2	602.0	535.5	500.9	492.7	497.3	469.0	466.3
45°	2340.7	2195.8	1406.2	767.8	547.4	497.3	458.1	445.4	447.2	425.3	419.9
47.5°	2545.6	2346.1	1401.7	714.9	501.8	459.0	427.1	410.8	417.1	392.5	387.1
50°	2774.2	2501.0	1386.2	665.8	451.7	423.5	399.8	380.7	381.6	362.5	357.9
52.5°	3022.8	2651.2	1368.9	598.4	406.2	393.4	379.8	365.2	381.6	356.1	350.6
55°	3277.8	2834.3	1346.1	520.0	365.2	370.7	357.0	367.9	391.6	351.6	344.3
57.5°	3561.1	3006.4	1303.3	434.4	332.4	345.2	354.3	368.9	388.0	350.6	337.0
60°	3829.8	3172.2	1201.3	367.0	304.2	324.2	348.8	363.4	361.6	344.3	335.2
62.5°	4103.0	3308.8	1012.8	315.1	280.5	314.2	340.6	347.0	338.8	332.4	327.0
65°	4253.3	3342.5	785.1	280.5	261.4	300.6	330.6	336.1	324.2	324.2	319.7
67.5°	4228.7	3234.1	579.2	252.3	245.0	286.9	313.3	326.1	317.9	324.2	316.9
69°	4130.3	3110.3	455.4	237.7	236.8	276.0	303.3	317.9	311.5	320.6	311.5
70°	4014.6	2985.5	402.6	229.5	228.6	267.8	296.9	311.5	304.2	311.5	303.3
72.5°	3571.1	2562.0	288.7	206.7	209.5	251.4	281.4	292.4	286.0	287.8	276.9
75°	2855.2	1904.4	228.6	187.6	190.3	232.2	264.1	270.5	265.9	257.7	251.4
77.5°	2007.3	1227.7	187.6	170.3	171.2	209.5	245.9	245.0	237.7	229.5	221.3
80°	1094.7	577.4	159.4	149.4	152.1	186.7	219.5	216.8	207.7	199.5	189.4
82.5°	473.6	233.2	123.9	119.3	127.5	156.7	188.5	181.2	173.0	176.7	137.5
85°	84.7	80.1	72.0	76.5	86.5	111.1	133.0	126.6	122.0	103.8	95.6
87.5°	7.3	10.9	10.9	13.7	19.1	20.9	37.3	27.3	28.2	10.9	5.5
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)