

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: P695420

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-740-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6014 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

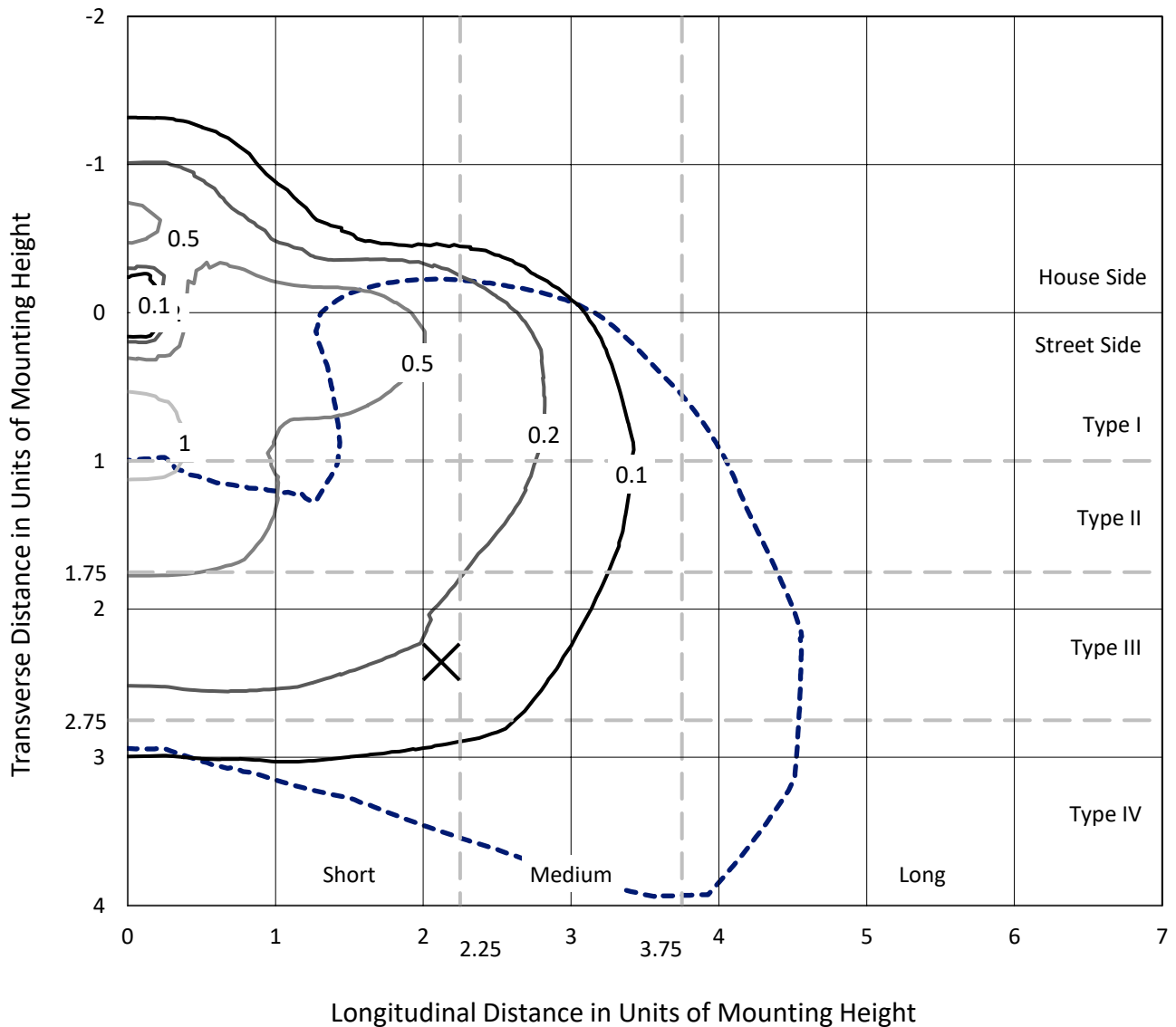
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

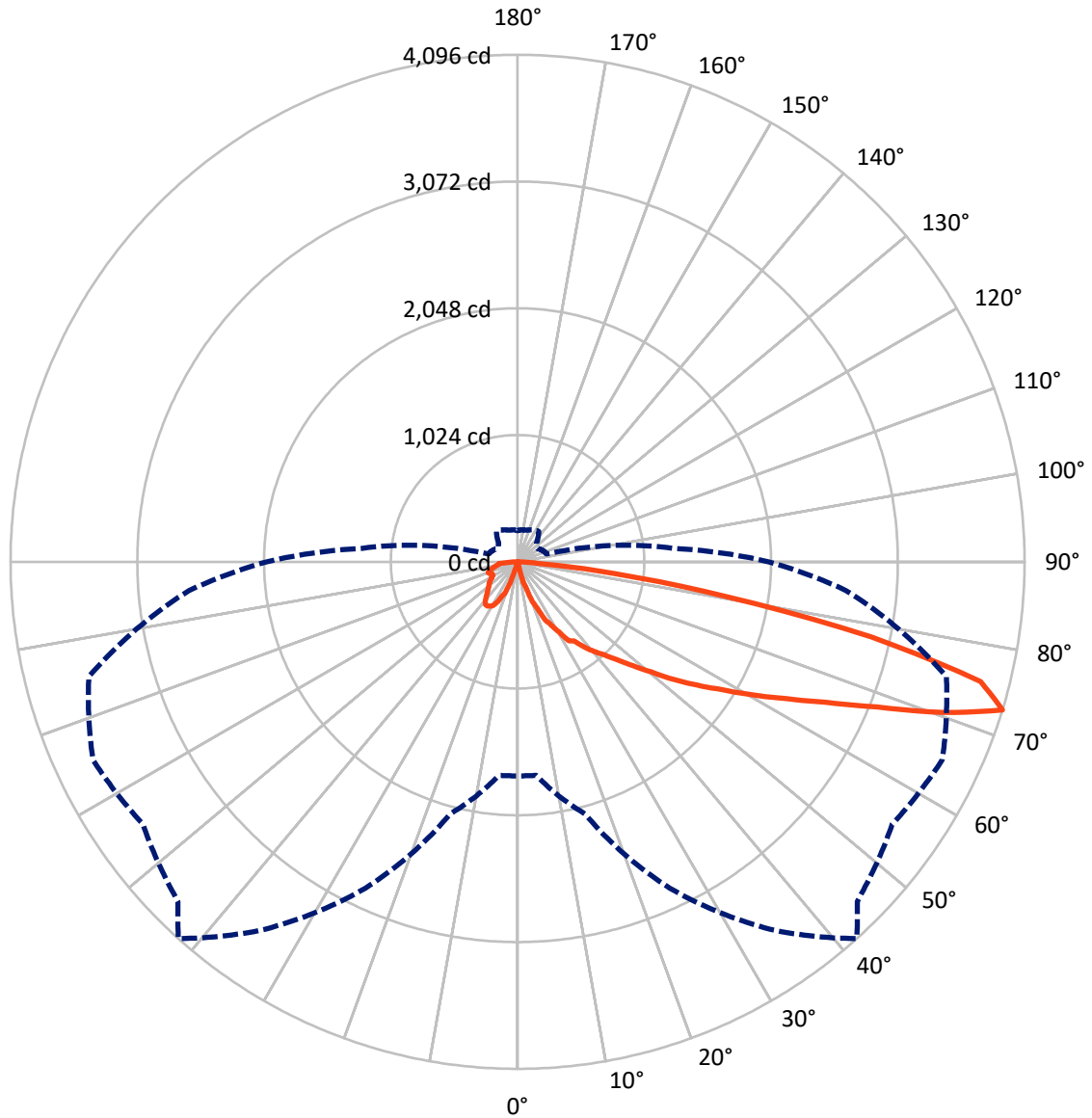
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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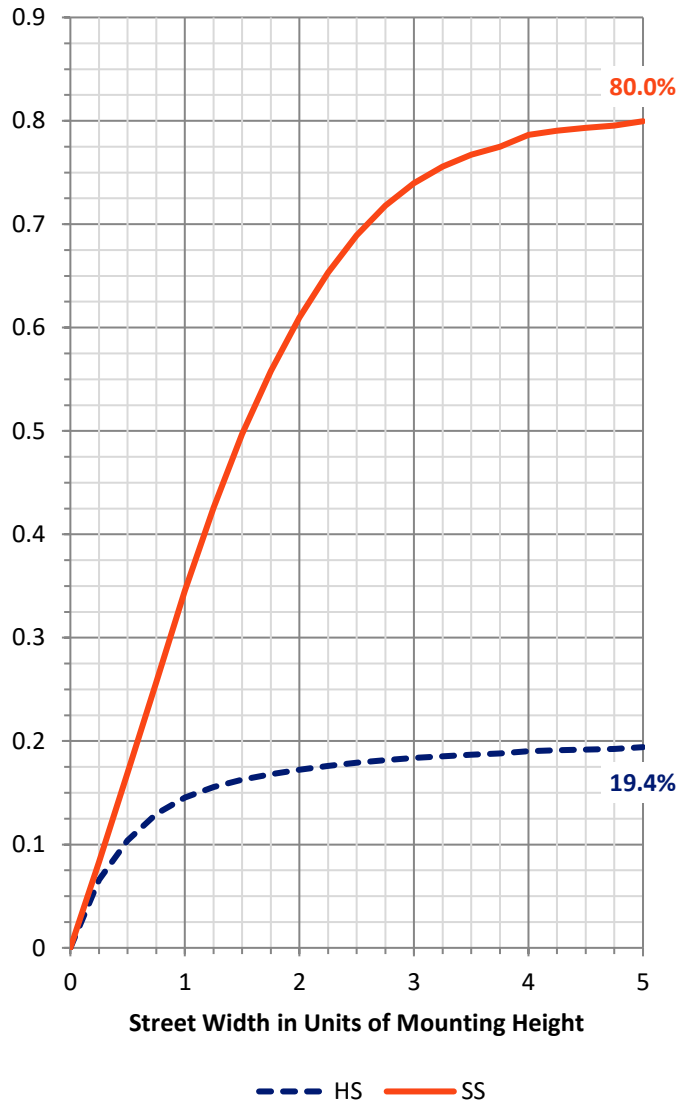
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1199.2	0.0	1199.2
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	4814.8	0.0	4814.8
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	6014.0	0.0	6014.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	42.6	0.7
20°-30°	228.4	3.8
30°-40°	517.2	8.6
40°-50°	765.3	12.7
50°-60°	1176.3	19.6
60°-70°	1726.2	28.7
70°-80°	1380.1	22.9
80°-90°	177.6	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°	6014.0	100.0
0°-180°	6014.0	100.0

**Coefficient of Utilization**



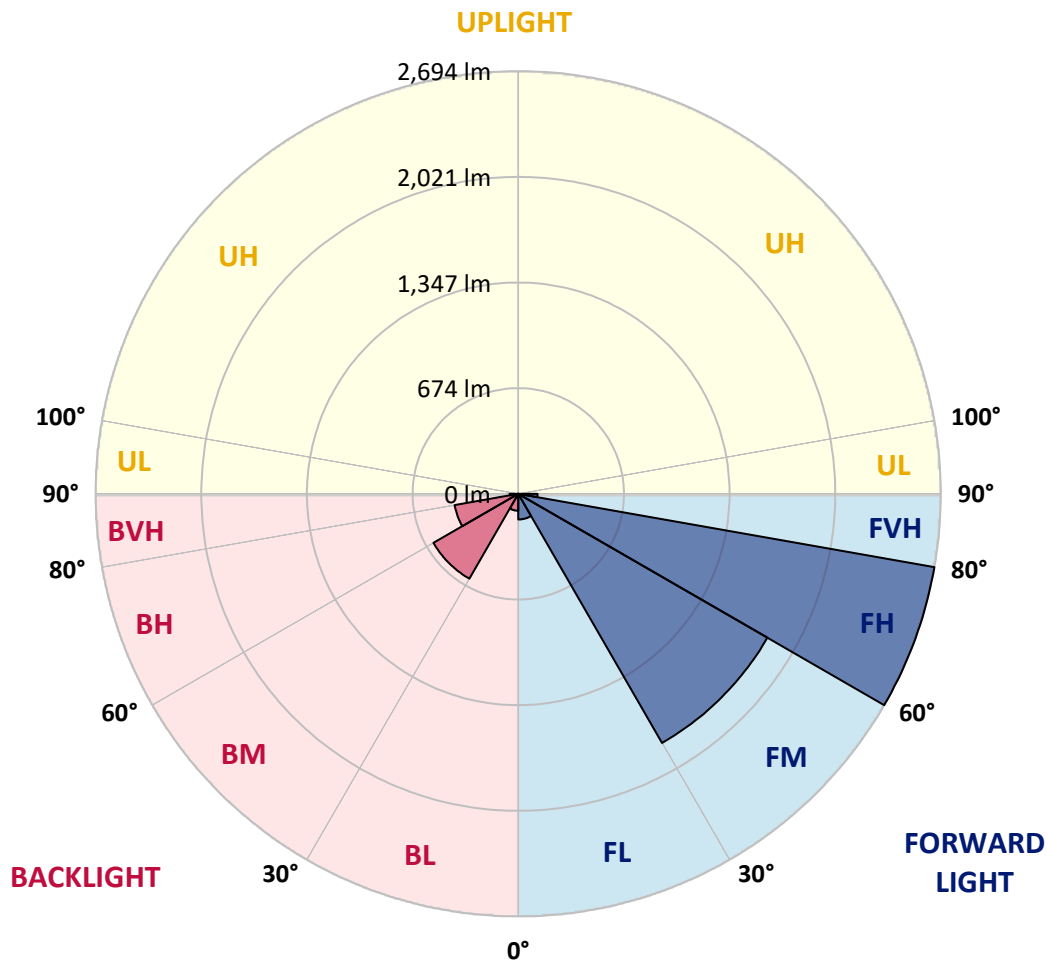
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.4	2.7			
FM (30°-60°)	1834.4	30.5			
FH (60°-80°)	2694.3	44.8			G2/5000
FVH (80°-90°)	122.7	2.0			G2/225
BL (0°-30°)	107.8	1.8	B0/110		
BM (30°-60°)	624.5	10.4	B1/1000		
BH (60°-80°)	412.0	6.8	B1/500		G1/500
BVH (80°-90°)	54.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	51.5	47.3	41.2	16.5	6.2	2.1	2.1	2.1	2.1	2.1	2.1
12.5°	220.3	220.3	214.1	197.6	45.3	24.7	12.4	4.1	14.4	30.9	39.1
15°	251.1	251.1	242.9	230.5	210.0	175.0	86.5	39.1	170.9	187.3	183.2
17.5°	448.7	413.8	302.6	261.4	234.7	214.1	212.0	195.6	214.1	210.0	205.8
20°	520.8	518.7	500.2	469.3	280.0	341.7	345.8	323.2	247.0	304.7	382.9
22.5°	564.0	555.8	522.8	487.9	514.6	409.6	378.8	356.1	411.7	457.0	446.7
25°	761.6	757.5	730.8	527.0	545.5	520.8	500.2	508.4	522.8	502.3	508.4
27.5°	811.0	800.7	765.7	687.5	594.9	578.4	619.6	555.8	615.5	739.0	724.6
30°	1175.4	1161.0	977.8	759.6	712.2	658.7	648.4	693.7	747.2	767.8	761.6
32.5°	1335.9	1319.5	1253.6	996.3	767.8	761.6	724.6	753.4	767.8	949.0	1008.6
35°	1531.5	1515.0	1430.6	1132.2	926.3	784.3	792.5	763.7	905.7	971.6	1041.6
37.5°	1667.4	1650.9	1601.5	1249.5	1031.3	874.8	825.4	852.2	922.2	1010.7	1080.7
40°	1795.0	1784.7	1753.8	1397.7	1144.5	951.0	883.1	889.3	957.2	1070.4	1132.2
42.5°	1926.7	1920.5	1904.1	1537.7	1247.4	1027.2	955.1	934.5	1033.3	1126.0	1208.3
45°	2044.1	2058.5	2050.2	1683.8	1358.6	1128.0	1045.7	1006.6	1126.0	1214.5	1327.7
47.5°	2103.7	2103.7	2149.0	1832.0	1478.0	1253.6	1156.9	1107.5	1247.4	1356.5	1496.5
50°	2188.1	2196.4	2200.5	1984.4	1640.6	1397.7	1280.4	1231.0	1373.0	1560.3	1774.4
52.5°	2410.5	2486.6	2309.6	2132.6	1844.4	1580.9	1414.2	1360.6	1537.7	1811.4	2130.5
55°	2488.7	2505.2	2455.7	2332.2	2017.3	1757.9	1562.4	1515.0	1792.9	2103.7	2523.7
57.5°	2556.6	2536.0	2599.8	2548.4	2243.7	1947.3	1741.5	1714.7	2066.7	2426.9	2921.0
60°	2622.5	2630.7	2721.3	2797.5	2451.6	2182.0	1939.1	2002.9	2344.6	2764.5	3297.7
62.5°	2680.1	2700.7	2859.2	2943.6	2634.8	2431.0	2200.5	2373.4	2655.4	3098.0	3606.4
65°	2630.7	2659.5	2984.8	3038.3	2883.9	2733.6	2501.0	2743.9	3036.2	3384.1	3802.0
67.5°	2556.6	2583.4	2964.2	3194.7	3170.0	3126.8	2869.5	3098.0	3433.5	3674.4	3791.7
70°	2328.1	2361.1	2754.2	3250.3	3530.3	3645.5	3367.6	3425.3	3734.1	3787.6	3406.8
72.5°	1729.1	1731.2	2109.9	2908.6	3637.3	4096.3	3880.2	3694.9	3785.5	3585.8	2663.7
75°	819.3	809.0	1086.9	1848.5	3044.5	3863.7	3865.8	3620.8	3417.0	2939.5	1714.7
77.5°	240.8	245.0	343.8	763.7	1951.4	2921.0	3106.2	2968.3	2604.0	1646.8	753.4
80°	121.4	131.7	170.9	265.5	850.1	1704.4	1941.1	1916.4	1478.0	549.6	259.4
82.5°	59.7	61.8	92.6	144.1	370.5	792.5	1014.8	889.3	471.4	263.5	131.7
85°	16.5	14.4	26.8	49.4	115.3	168.8	203.8	166.7	142.0	111.2	53.5
87.5°	0.0	2.1	2.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
10°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
12.5°	39.1	35.0	26.8	14.4	4.1	2.1	2.1	2.1	2.1	4.1	4.1
15°	179.1	177.0	175.0	160.6	35.0	6.2	4.1	18.5	63.8	96.7	117.3
17.5°	203.8	201.7	199.7	195.6	181.1	45.3	59.7	162.6	195.6	197.6	199.7
20°	376.7	368.5	277.9	216.1	199.7	181.1	172.9	199.7	207.9	214.1	216.1
22.5°	438.5	430.2	411.7	382.9	230.5	280.0	261.4	218.2	341.7	368.5	372.6
25°	498.1	487.9	444.6	409.6	391.1	298.5	331.4	352.0	387.0	395.2	399.3
27.5°	714.3	687.5	634.0	454.9	426.1	360.2	387.0	372.6	444.6	518.7	524.9
30°	759.6	732.8	658.7	545.5	450.8	415.8	387.0	485.8	537.3	553.7	562.0
32.5°	1012.8	986.0	852.2	549.6	479.6	409.6	452.9	496.1	533.1	644.3	654.6
35°	1051.9	1018.9	864.6	636.1	463.2	426.1	448.7	514.6	613.4	650.5	656.6
37.5°	1095.1	1058.1	852.2	597.0	492.0	428.2	438.5	506.4	564.0	580.5	588.7
40°	1161.0	1105.4	831.6	553.7	463.2	403.5	426.1	465.2	498.1	492.0	498.1
42.5°	1249.5	1163.0	798.7	504.3	428.2	370.5	395.2	419.9	440.5	422.0	417.9
45°	1360.6	1245.4	761.6	461.1	391.1	341.7	364.3	384.9	399.3	366.4	362.3
47.5°	1521.2	1340.1	716.3	415.8	360.2	319.1	339.6	354.1	362.3	331.4	325.2
50°	1739.4	1465.6	664.9	378.8	333.5	298.5	323.2	331.4	325.2	302.6	298.5
52.5°	2013.2	1657.1	613.4	349.9	310.8	284.1	306.7	304.7	298.5	282.0	280.0
55°	2354.9	1912.3	570.2	329.4	292.3	269.7	286.1	286.1	284.1	269.7	269.7
57.5°	2713.1	2153.2	518.7	310.8	271.7	249.1	269.7	273.8	271.7	261.4	259.4
60°	3011.5	2350.8	442.6	294.4	249.1	232.6	255.2	263.5	261.4	251.1	249.1
62.5°	3182.4	2381.6	364.3	271.7	230.5	218.2	247.0	259.4	273.8	280.0	280.0
65°	3217.4	2256.1	312.9	255.2	218.2	214.1	255.2	292.3	304.7	312.9	317.0
67.5°	3075.3	1994.7	282.0	245.0	210.0	222.3	290.2	310.8	298.5	294.4	294.4
70°	2682.2	1655.0	259.4	232.6	199.7	232.6	302.6	296.4	280.0	284.1	282.0
72.5°	2029.6	1259.8	242.9	220.3	189.4	216.1	298.5	284.1	263.5	259.4	251.1
75°	1228.9	739.0	224.4	205.8	164.7	191.4	286.1	271.7	251.1	242.9	236.7
77.5°	475.5	341.7	203.8	189.4	142.0	168.8	265.5	259.4	238.8	222.3	220.3
80°	201.7	181.1	175.0	166.7	121.4	146.2	238.8	240.8	210.0	189.4	183.2
82.5°	113.2	111.2	135.9	135.9	100.9	129.7	216.1	216.1	185.3	172.9	158.5
85°	37.1	43.2	72.0	82.3	74.1	121.4	210.0	199.7	160.6	133.8	127.6
87.5°	4.1	4.1	8.2	16.5	18.5	30.9	59.7	70.0	49.4	41.2	41.2
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)