

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: P696050

Luminaire Tested: **LXF.LXT-PA16-827-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696050  
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-PA16-827-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5693 lumens  
Efficiency: N/A  
Efficacy: 79.1 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

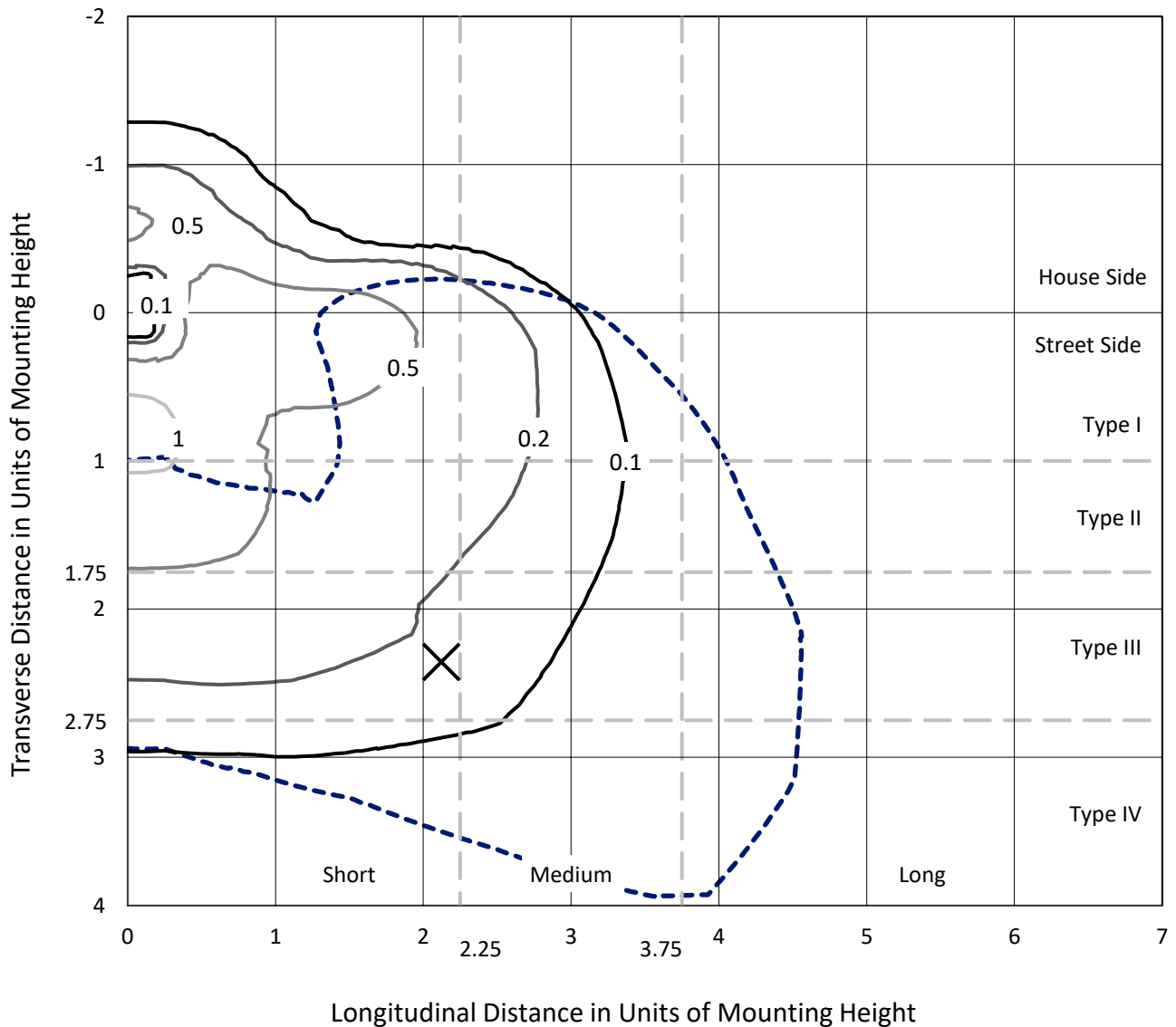
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

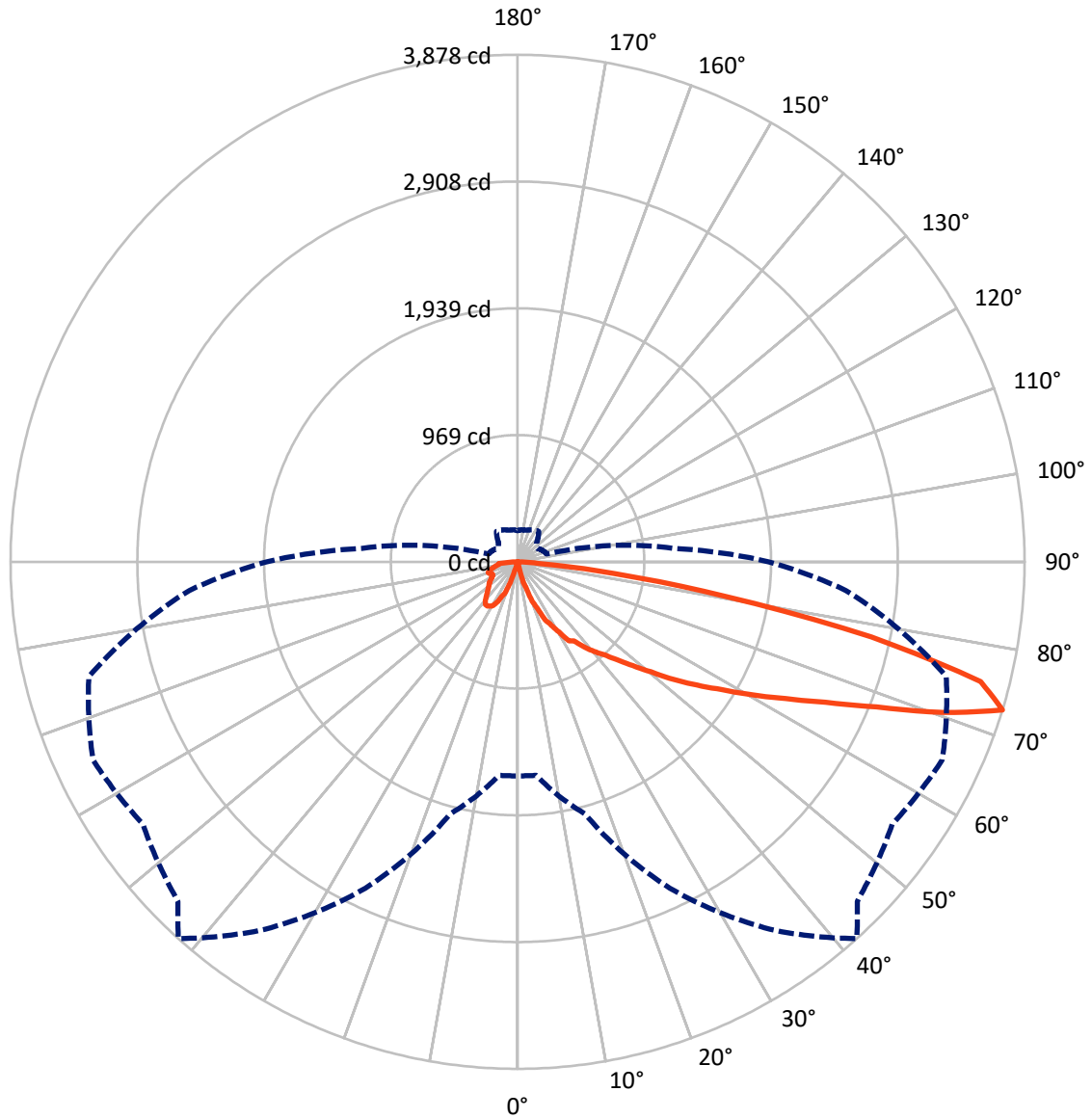
× Max cd  
 - - - 1/2 Max cd



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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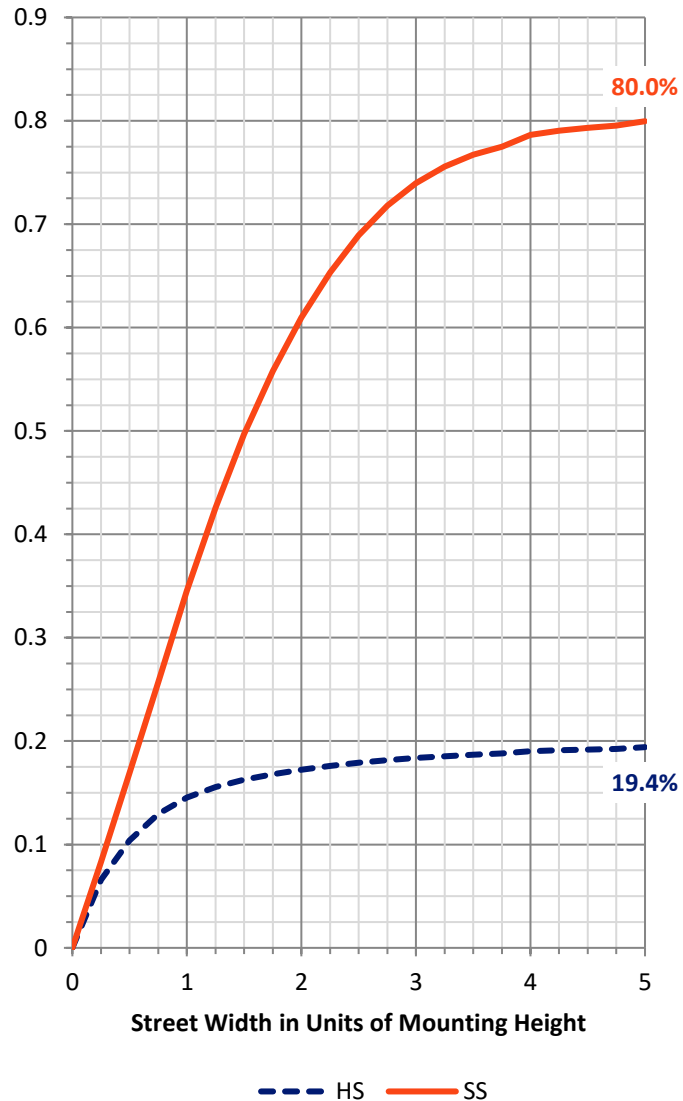
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1135.2	0.0	1135.2
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	4557.8	0.0	4557.8
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	5693.0	0.0	5693.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	40.3	0.7
20°-30°	216.2	3.8
30°-40°	489.6	8.6
40°-50°	724.4	12.7
50°-60°	1113.6	19.6
60°-70°	1634.0	28.7
70°-80°	1306.5	22.9
80°-90°	168.1	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°	5693.0	100.0
0°-180°	5693.0	100.0

**Coefficient of Utilization**

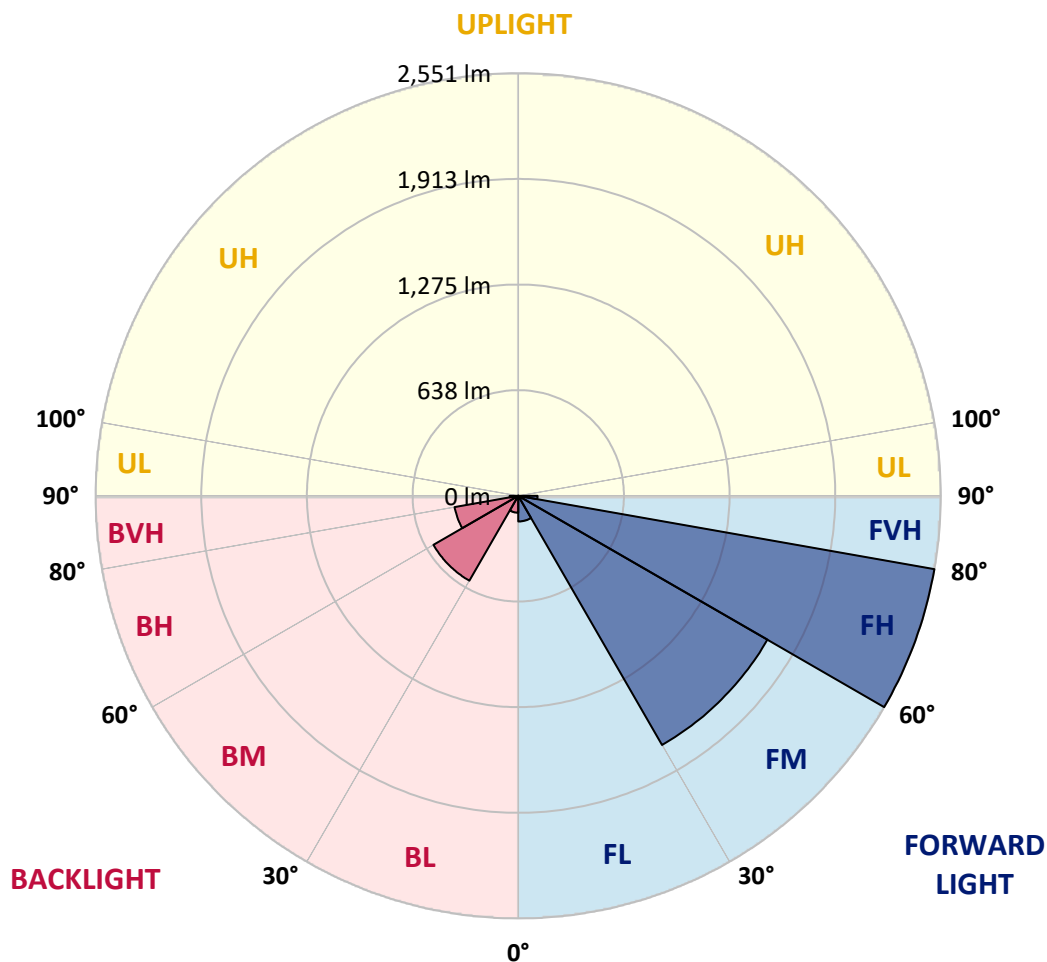


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	2.7			
FM (30°-60°)	1736.5	30.5			
FH (60°-80°)	2550.5	44.8			G2/5000
FVH (80°-90°)	116.1	2.0			G2/225
BL (0°-30°)	102.1	1.8	B0/110		
BM (30°-60°)	591.2	10.4	B1/1000		
BH (60°-80°)	390.0	6.8	B1/500		G1/500
BVH (80°-90°)	51.9	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	48.7	44.8	39.0	15.6	5.8	1.9	1.9	1.9	1.9	1.9	1.9
12.5°	208.5	208.5	202.7	187.1	42.9	23.4	11.7	3.9	13.6	29.2	37.0
15°	237.7	237.7	229.9	218.2	198.8	165.6	81.8	37.0	161.7	177.3	173.4
17.5°	424.8	391.7	286.4	247.5	222.1	202.7	200.7	185.1	202.7	198.8	194.9
20°	493.0	491.0	473.5	444.3	265.0	323.5	327.4	305.9	233.8	288.4	362.4
22.5°	533.9	526.1	494.9	461.8	487.1	387.8	358.5	337.1	389.7	432.6	422.8
25°	721.0	717.1	691.8	498.8	516.4	493.0	473.5	481.3	494.9	475.5	481.3
27.5°	767.7	758.0	724.9	650.8	563.1	547.6	586.5	526.1	582.6	699.5	685.9
30°	1112.6	1099.0	925.6	719.0	674.2	623.5	613.8	656.7	707.3	726.8	721.0
32.5°	1264.6	1249.0	1186.7	943.1	726.8	721.0	685.9	713.2	726.8	898.3	954.8
35°	1449.8	1434.2	1354.3	1071.7	876.9	742.4	750.2	722.9	857.4	919.7	986.0
37.5°	1578.4	1562.8	1516.0	1182.8	976.2	828.2	781.4	806.7	873.0	956.8	1023.0
40°	1699.2	1689.4	1660.2	1323.1	1083.4	900.2	835.9	841.8	906.1	1013.3	1071.7
42.5°	1823.9	1818.0	1802.4	1455.6	1180.8	972.3	904.1	884.7	978.2	1065.9	1143.8
45°	1935.0	1948.6	1940.8	1593.9	1286.1	1067.8	989.9	952.9	1065.9	1149.7	1256.8
47.5°	1991.5	1991.5	2034.3	1734.2	1399.1	1186.7	1095.1	1048.3	1180.8	1284.1	1416.6
50°	2071.4	2079.1	2083.0	1878.4	1553.0	1323.1	1212.0	1165.3	1299.7	1477.0	1679.7
52.5°	2281.8	2353.9	2186.3	2018.7	1745.9	1496.5	1338.7	1288.0	1455.6	1714.8	2016.8
55°	2355.8	2371.4	2324.7	2207.8	1909.6	1664.1	1479.0	1434.2	1697.2	1991.5	2389.0
57.5°	2420.2	2400.7	2461.1	2412.4	2124.0	1843.4	1648.5	1623.2	1956.4	2297.4	2765.1
60°	2482.5	2490.3	2576.0	2648.1	2320.8	2065.5	1835.6	1896.0	2219.4	2617.0	3121.6
62.5°	2537.1	2556.6	2706.6	2786.5	2494.2	2301.3	2083.0	2246.7	2513.7	2932.6	3413.9
65°	2490.3	2517.6	2825.5	2876.1	2730.0	2587.7	2367.5	2597.5	2874.2	3203.5	3599.0
67.5°	2420.2	2445.5	2806.0	3024.2	3000.8	2959.9	2716.3	2932.6	3250.3	3478.2	3589.3
70°	2203.9	2235.0	2607.2	3076.8	3341.8	3451.0	3187.9	3242.5	3534.7	3585.4	3224.9
72.5°	1636.8	1638.8	1997.3	2753.4	3443.2	3877.7	3673.1	3497.7	3583.5	3394.4	2521.5
75°	775.5	765.8	1028.9	1749.8	2882.0	3657.5	3659.5	3427.6	3234.7	2782.6	1623.2
77.5°	228.0	231.9	325.4	722.9	1847.3	2765.1	2940.4	2809.9	2465.0	1558.9	713.2
80°	115.0	124.7	161.7	251.4	804.8	1613.4	1837.5	1814.1	1399.1	520.3	245.5
82.5°	56.5	58.5	87.7	136.4	350.7	750.2	960.7	841.8	446.2	249.4	124.7
85°	15.6	13.6	25.3	46.8	109.1	159.8	192.9	157.8	134.5	105.2	50.7
87.5°	0.0	1.9	1.9	3.9	3.9	5.8	5.8	5.8	5.8	5.8	5.8
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
10°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
12.5°	37.0	33.1	25.3	13.6	3.9	1.9	1.9	1.9	1.9	3.9	3.9
15°	169.5	167.6	165.6	152.0	33.1	5.8	3.9	17.5	60.4	91.6	111.1
17.5°	192.9	191.0	189.0	185.1	171.5	42.9	56.5	153.9	185.1	187.1	189.0
20°	356.6	348.8	263.1	204.6	189.0	171.5	163.7	189.0	196.8	202.7	204.6
22.5°	415.1	407.3	389.7	362.4	218.2	265.0	247.5	206.6	323.5	348.8	352.7
25°	471.6	461.8	420.9	387.8	370.2	282.5	313.7	333.2	366.3	374.1	378.0
27.5°	676.2	650.8	600.2	430.6	403.4	341.0	366.3	352.7	420.9	491.0	496.9
30°	719.0	693.7	623.5	516.4	426.7	393.6	366.3	459.9	508.6	524.2	532.0
32.5°	958.7	933.4	806.7	520.3	454.0	387.8	428.7	469.6	504.7	609.9	619.7
35°	995.7	964.6	818.4	602.1	438.4	403.4	424.8	487.1	580.7	615.8	621.6
37.5°	1036.7	1001.6	806.7	565.1	465.7	405.3	415.1	479.4	533.9	549.5	557.3
40°	1099.0	1046.4	787.2	524.2	438.4	381.9	403.4	440.4	471.6	465.7	471.6
42.5°	1182.8	1101.0	756.1	477.4	405.3	350.7	374.1	397.5	417.0	399.5	395.6
45°	1288.0	1178.9	721.0	436.5	370.2	323.5	344.9	364.4	378.0	346.8	343.0
47.5°	1440.0	1268.5	678.1	393.6	341.0	302.0	321.5	335.2	343.0	313.7	307.9
50°	1646.6	1387.4	629.4	358.5	315.7	282.5	305.9	313.7	307.9	286.4	282.5
52.5°	1905.7	1568.6	580.7	331.3	294.2	268.9	290.3	288.4	282.5	267.0	265.0
55°	2229.2	1810.2	539.8	311.8	276.7	255.3	270.9	270.9	268.9	255.3	255.3
57.5°	2568.2	2038.2	491.0	294.2	257.2	235.8	255.3	259.2	257.2	247.5	245.5
60°	2850.8	2225.3	418.9	278.6	235.8	220.2	241.6	249.4	247.5	237.7	235.8
62.5°	3012.5	2254.5	344.9	257.2	218.2	206.6	233.8	245.5	259.2	265.0	265.0
65°	3045.6	2135.7	296.2	241.6	206.6	202.7	241.6	276.7	288.4	296.2	300.1
67.5°	2911.2	1888.2	267.0	231.9	198.8	210.4	274.8	294.2	282.5	278.6	278.6
70°	2539.0	1566.7	245.5	220.2	189.0	220.2	286.4	280.6	265.0	268.9	267.0
72.5°	1921.3	1192.5	229.9	208.5	179.3	204.6	282.5	268.9	249.4	245.5	237.7
75°	1163.3	699.5	212.4	194.9	155.9	181.2	270.9	257.2	237.7	229.9	224.1
77.5°	450.1	323.5	192.9	179.3	134.5	159.8	251.4	245.5	226.0	210.4	208.5
80°	191.0	171.5	165.6	157.8	115.0	138.4	226.0	228.0	198.8	179.3	173.4
82.5°	107.2	105.2	128.6	128.6	95.5	122.8	204.6	204.6	175.4	163.7	150.0
85°	35.1	40.9	68.2	77.9	70.1	115.0	198.8	189.0	152.0	126.7	120.8
87.5°	3.9	3.9	7.8	15.6	17.5	29.2	56.5	66.3	46.8	39.0	39.0
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)