

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: P695780

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695780  
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-PA16-60-827-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5126 lumens  
Efficiency: N/A  
Efficacy: 82.7 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

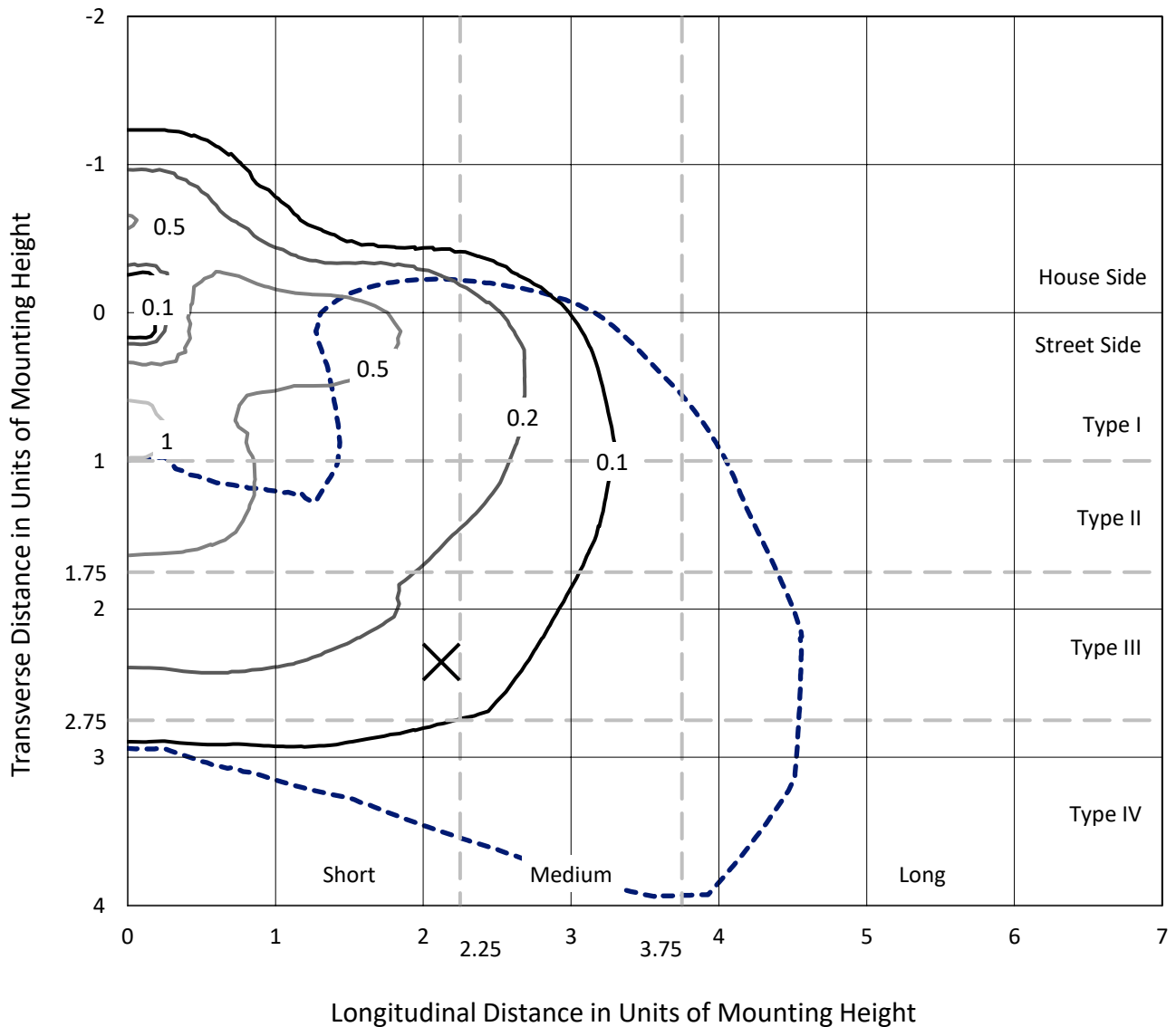
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

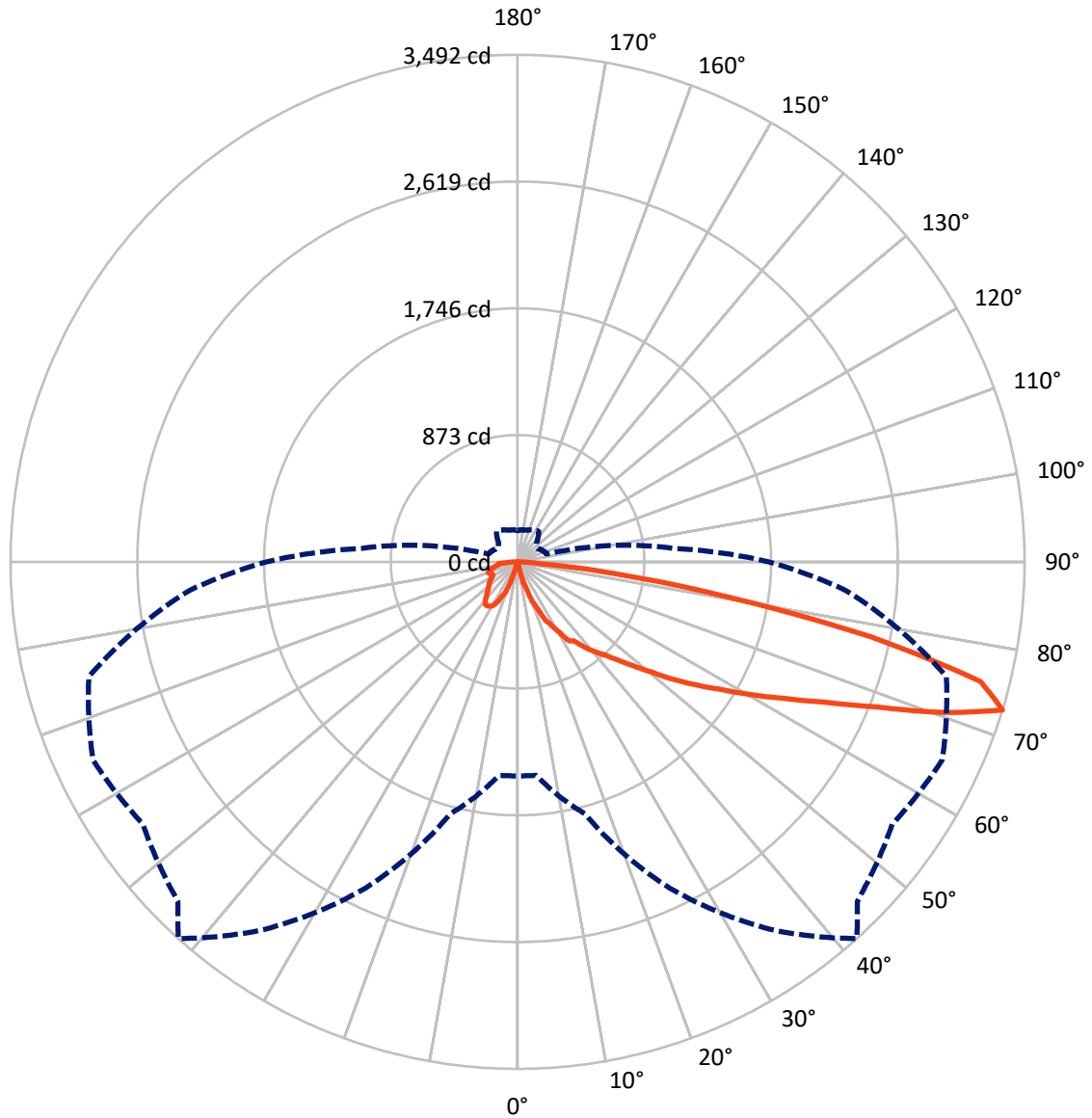
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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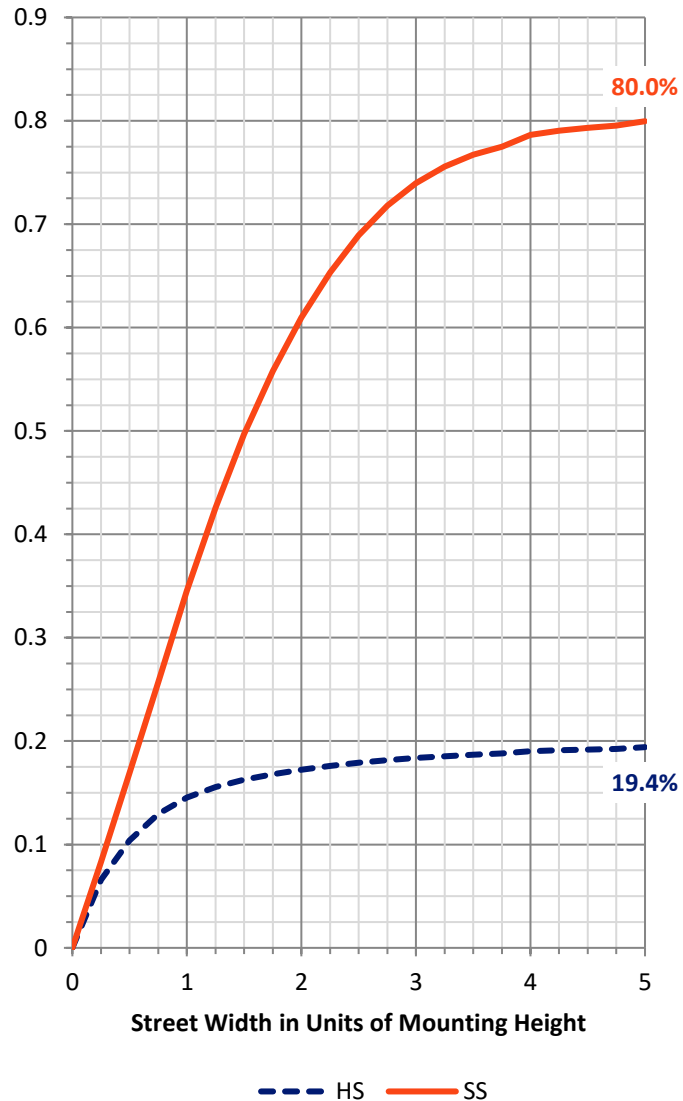
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1022.1	0.0	1022.1
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	4103.9	0.0	4103.9
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	5126.0	0.0	5126.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	36.3	0.7
20°-30°	194.7	3.8
30°-40°	440.9	8.6
40°-50°	652.3	12.7
50°-60°	1002.6	19.6
60°-70°	1471.3	28.7
70°-80°	1176.4	22.9
80°-90°	151.3	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°	5126.0	100.0
0°-180°	5126.0	100.0

**Coefficient of Utilization**

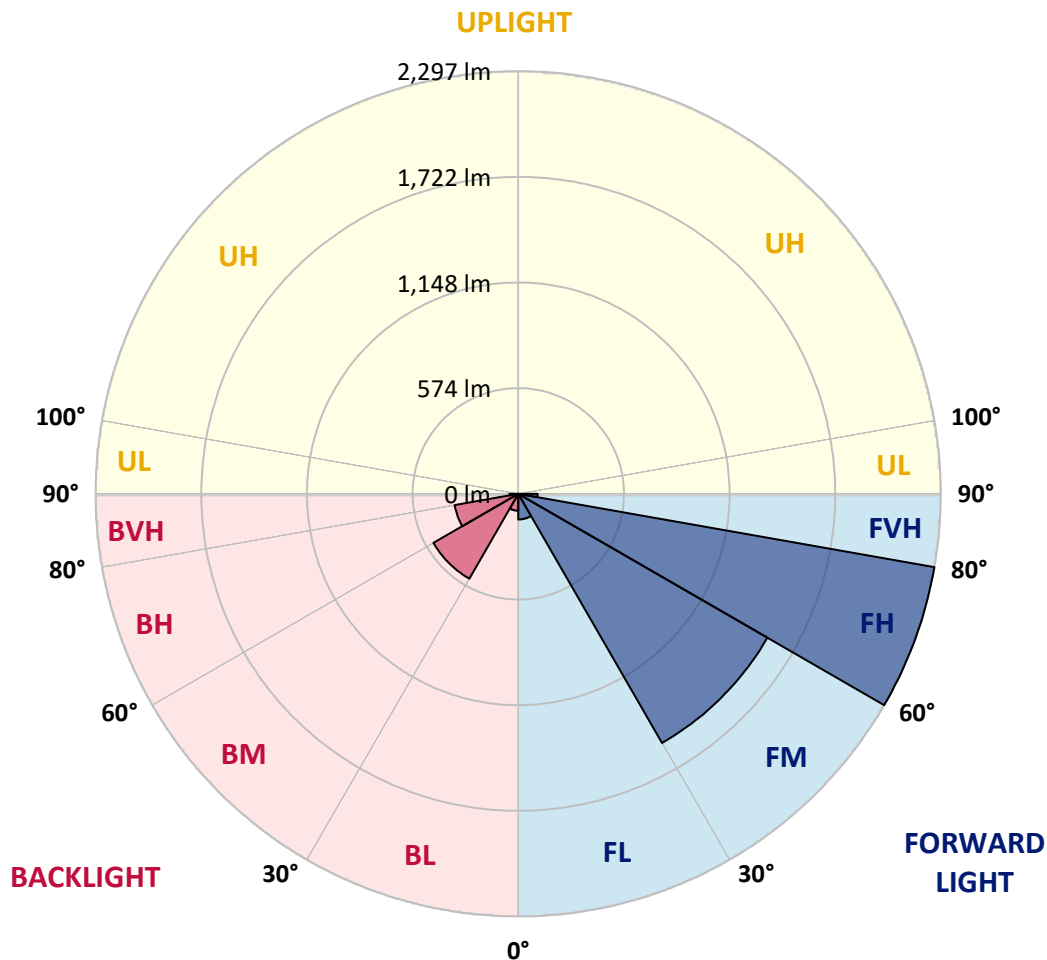


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.3	2.7			
FM (30°-60°)	1563.5	30.5			
FH (60°-80°)	2296.5	44.8			G2/5000
FVH (80°-90°)	104.6	2.0			G2/225
BL (0°-30°)	91.9	1.8	B0/110		
BM (30°-60°)	532.3	10.4	B1/1000		
BH (60°-80°)	351.1	6.8	B1/500		G1/500
BVH (80°-90°)	46.8	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10°	43.9	40.4	35.1	14.0	5.3	1.8	1.8	1.8	1.8	1.8	1.8
12.5°	187.7	187.7	182.5	168.4	38.6	21.1	10.5	3.5	12.3	26.3	33.3
15°	214.1	214.1	207.0	196.5	179.0	149.1	73.7	33.3	145.6	159.7	156.2
17.5°	382.5	352.7	257.9	222.8	200.0	182.5	180.7	166.7	182.5	179.0	175.5
20°	443.9	442.1	426.3	400.0	238.6	291.3	294.8	275.5	210.5	259.7	326.3
22.5°	480.7	473.7	445.6	415.8	438.6	349.1	322.8	303.5	350.9	389.5	380.7
25°	649.2	645.7	622.9	449.2	464.9	443.9	426.3	433.4	445.6	428.1	433.4
27.5°	691.3	682.5	652.7	586.0	507.1	493.0	528.1	473.7	524.6	629.9	617.6
30°	1001.8	989.5	833.4	647.4	607.1	561.4	552.7	591.3	636.9	654.4	649.2
32.5°	1138.7	1124.6	1068.5	849.2	654.4	649.2	617.6	642.2	654.4	808.8	859.7
35°	1305.4	1291.3	1219.4	965.0	789.5	668.5	675.5	650.9	772.0	828.1	887.8
37.5°	1421.2	1407.1	1365.0	1065.0	879.0	745.7	703.6	726.4	786.0	861.5	921.1
40°	1529.9	1521.2	1494.9	1191.3	975.5	810.6	752.7	758.0	815.9	912.4	965.0
42.5°	1642.2	1637.0	1622.9	1310.6	1063.2	875.5	814.1	796.6	880.8	959.7	1029.9
45°	1742.2	1754.5	1747.5	1435.2	1158.0	961.5	891.3	858.0	959.7	1035.2	1131.7
47.5°	1793.1	1793.1	1831.7	1561.5	1259.7	1068.5	986.0	943.9	1063.2	1156.2	1275.5
50°	1865.1	1872.1	1875.6	1691.4	1398.4	1191.3	1091.3	1049.2	1170.3	1329.9	1512.4
52.5°	2054.5	2119.5	1968.6	1817.7	1572.1	1347.5	1205.4	1159.7	1310.6	1544.0	1815.9
55°	2121.2	2135.3	2093.1	1987.9	1719.4	1498.4	1331.7	1291.3	1528.2	1793.1	2151.0
57.5°	2179.1	2161.6	2216.0	2172.1	1912.4	1659.8	1484.3	1461.5	1761.5	2068.6	2489.7
60°	2235.3	2242.3	2319.5	2384.4	2089.6	1859.8	1652.8	1707.1	1998.4	2356.3	2810.7
62.5°	2284.4	2301.9	2437.0	2509.0	2245.8	2072.1	1875.6	2023.0	2263.3	2640.6	3073.9
65°	2242.3	2266.8	2544.1	2589.7	2458.1	2330.0	2131.7	2338.8	2587.9	2884.4	3240.6
67.5°	2179.1	2201.9	2526.5	2723.0	2702.0	2665.1	2445.8	2640.6	2926.5	3131.8	3231.8
70°	1984.4	2012.4	2347.5	2770.4	3009.0	3107.3	2870.4	2919.5	3182.7	3228.3	2903.7
72.5°	1473.8	1475.6	1798.4	2479.1	3100.2	3491.5	3307.3	3149.4	3226.6	3056.4	2270.3
75°	698.3	689.5	926.4	1575.6	2594.9	3293.2	3295.0	3086.2	2912.5	2505.5	1461.5
77.5°	205.3	208.8	293.0	650.9	1663.3	2489.7	2647.6	2530.0	2219.5	1403.6	642.2
80°	103.5	112.3	145.6	226.3	724.6	1452.7	1654.5	1633.5	1259.7	468.5	221.1
82.5°	50.9	52.6	79.0	122.8	315.8	675.5	865.0	758.0	401.8	224.6	112.3
85°	14.0	12.3	22.8	42.1	98.3	143.9	173.7	142.1	121.1	94.7	45.6
87.5°	0.0	1.8	1.8	3.5	3.5	5.3	5.3	5.3	5.3	5.3	5.3
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
10°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
12.5°	33.3	29.8	22.8	12.3	3.5	1.8	1.8	1.8	1.8	3.5	3.5
15°	152.6	150.9	149.1	136.9	29.8	5.3	3.5	15.8	54.4	82.5	100.0
17.5°	173.7	171.9	170.2	166.7	154.4	38.6	50.9	138.6	166.7	168.4	170.2
20°	321.1	314.1	236.9	184.2	170.2	154.4	147.4	170.2	177.2	182.5	184.2
22.5°	373.7	366.7	350.9	326.3	196.5	238.6	222.8	186.0	291.3	314.1	317.6
25°	424.6	415.8	379.0	349.1	333.4	254.4	282.5	300.0	329.8	336.9	340.4
27.5°	608.8	586.0	540.4	387.7	363.2	307.0	329.8	317.6	379.0	442.1	447.4
30°	647.4	624.6	561.4	464.9	384.2	354.4	329.8	414.1	457.9	472.0	479.0
32.5°	863.2	840.4	726.4	468.5	408.8	349.1	386.0	422.8	454.4	549.2	557.9
35°	896.6	868.5	736.9	542.1	394.8	363.2	382.5	438.6	522.8	554.4	559.7
37.5°	933.4	901.8	726.4	508.8	419.3	364.9	373.7	431.6	480.7	494.8	501.8
40°	989.5	942.2	708.8	472.0	394.8	343.9	363.2	396.5	424.6	419.3	424.6
42.5°	1065.0	991.3	680.8	429.9	364.9	315.8	336.9	357.9	375.5	359.7	356.2
45°	1159.7	1061.5	649.2	393.0	333.4	291.3	310.6	328.1	340.4	312.3	308.8
47.5°	1296.6	1142.2	610.6	354.4	307.0	272.0	289.5	301.8	308.8	282.5	277.2
50°	1482.6	1249.2	566.7	322.8	284.2	254.4	275.5	282.5	277.2	257.9	254.4
52.5°	1715.9	1412.4	522.8	298.3	264.9	242.1	261.4	259.7	254.4	240.4	238.6
55°	2007.2	1629.9	486.0	280.7	249.1	229.8	243.9	243.9	242.1	229.8	229.8
57.5°	2312.5	1835.2	442.1	264.9	231.6	212.3	229.8	233.4	231.6	222.8	221.1
60°	2566.9	2003.7	377.2	250.9	212.3	198.3	217.6	224.6	222.8	214.1	212.3
62.5°	2712.5	2030.0	310.6	231.6	196.5	186.0	210.5	221.1	233.4	238.6	238.6
65°	2742.3	1923.0	266.7	217.6	186.0	182.5	217.6	249.1	259.7	266.7	270.2
67.5°	2621.3	1700.1	240.4	208.8	179.0	189.5	247.4	264.9	254.4	250.9	250.9
70°	2286.1	1410.6	221.1	198.3	170.2	198.3	257.9	252.7	238.6	242.1	240.4
72.5°	1730.0	1073.8	207.0	187.7	161.4	184.2	254.4	242.1	224.6	221.1	214.1
75°	1047.4	629.9	191.2	175.5	140.4	163.2	243.9	231.6	214.1	207.0	201.8
77.5°	405.3	291.3	173.7	161.4	121.1	143.9	226.3	221.1	203.5	189.5	187.7
80°	171.9	154.4	149.1	142.1	103.5	124.6	203.5	205.3	179.0	161.4	156.2
82.5°	96.5	94.7	115.8	115.8	86.0	110.5	184.2	184.2	157.9	147.4	135.1
85°	31.6	36.8	61.4	70.2	63.2	103.5	179.0	170.2	136.9	114.0	108.8
87.5°	3.5	3.5	7.0	14.0	15.8	26.3	50.9	59.7	42.1	35.1	35.1
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)