

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: P694970

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694970  
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-PA16-30-827-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2850 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

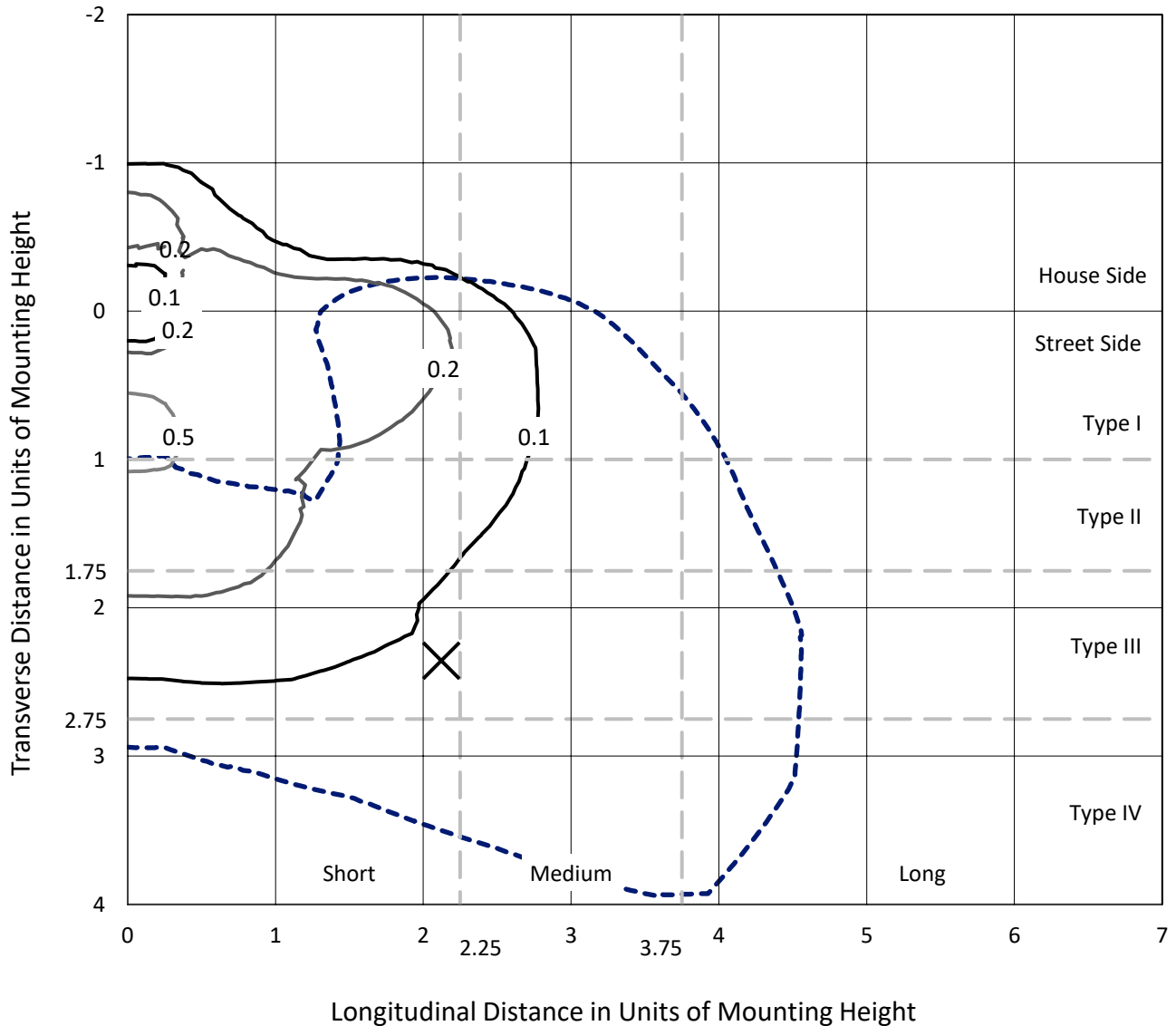
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

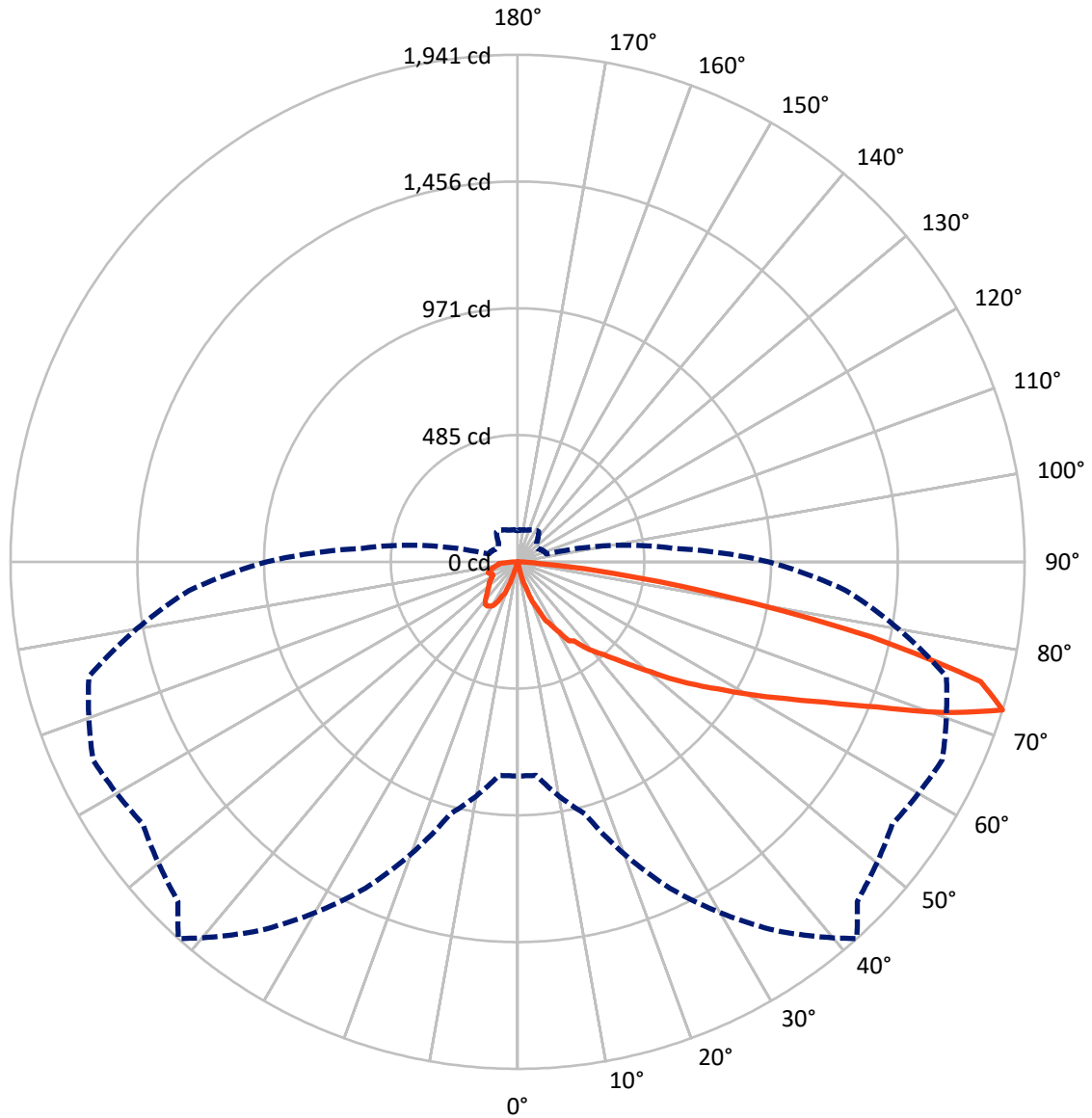
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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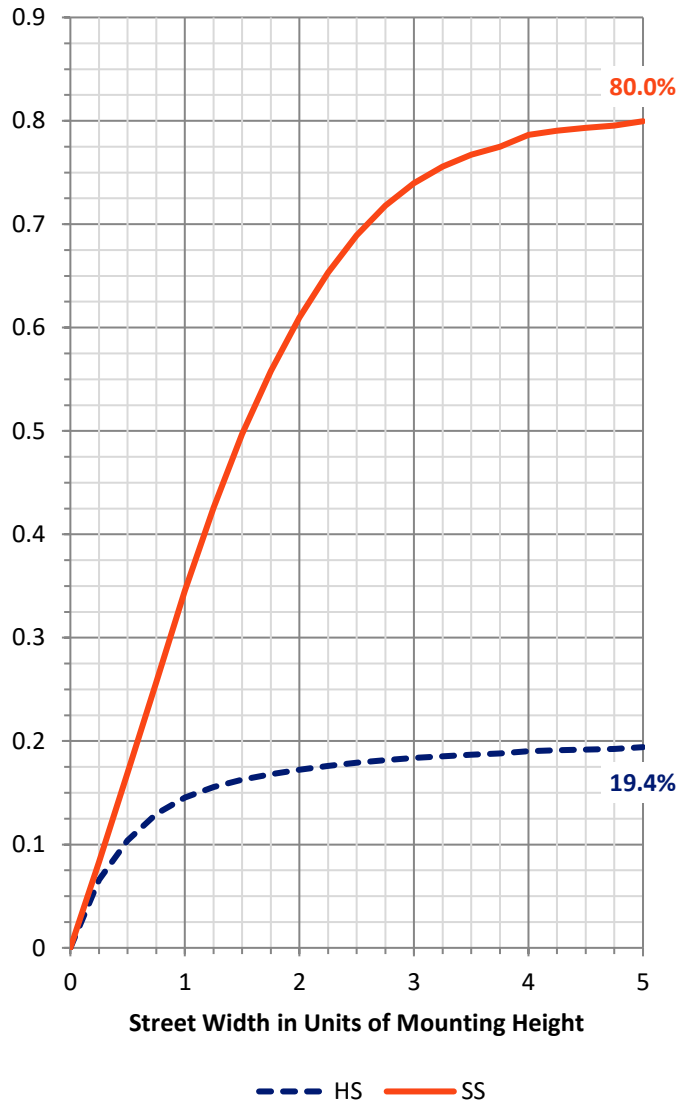
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	568.3	0.0	568.3
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	2281.7	0.0	2281.7
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	2850.0	0.0	2850.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.2	0.7
20°-30°	108.2	3.8
30°-40°	245.1	8.6
40°-50°	362.7	12.7
50°-60°	557.5	19.6
60°-70°	818.0	28.7
70°-80°	654.0	22.9
80°-90°	84.1	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°	2850.0	100.0
0°-180°	2850.0	100.0

**Coefficient of Utilization**



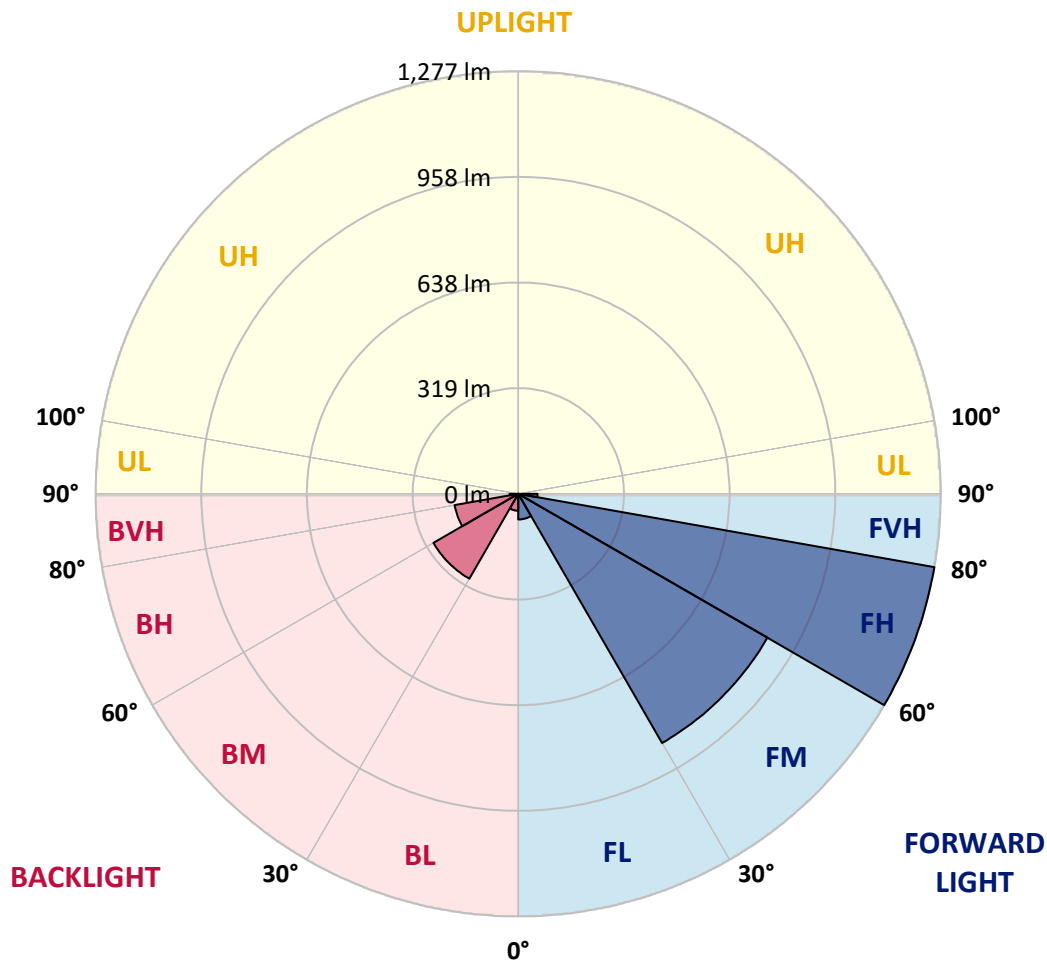
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.5	2.7			
FM (30°-60°)	869.3	30.5			
FH (60°-80°)	1276.8	44.8			G1/1800
FVH (80°-90°)	58.1	2.0			G1/100
BL (0°-30°)	51.1	1.8	B0/110		
BM (30°-60°)	296.0	10.4	B1/1000		
BH (60°-80°)	195.2	6.8	B1/500		G1/500
BVH (80°-90°)	26.0	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-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10°	24.4	22.4	19.5	7.8	2.9	1.0	1.0	1.0	1.0	1.0	1.0
12.5°	104.4	104.4	101.5	93.6	21.5	11.7	5.9	2.0	6.8	14.6	18.5
15°	119.0	119.0	115.1	109.3	99.5	82.9	41.0	18.5	81.0	88.8	86.8
17.5°	212.7	196.1	143.4	123.9	111.2	101.5	100.5	92.7	101.5	99.5	97.5
20°	246.8	245.8	237.0	222.4	132.7	161.9	163.9	153.2	117.1	144.4	181.4
22.5°	267.3	263.4	247.8	231.2	243.9	194.1	179.5	168.8	195.1	216.6	211.7
25°	360.9	359.0	346.3	249.7	258.5	246.8	237.0	240.9	247.8	238.0	240.9
27.5°	384.3	379.5	362.9	325.8	281.9	274.1	293.6	263.4	291.7	350.2	343.4
30°	557.0	550.2	463.4	360.0	337.5	312.2	307.3	328.7	354.1	363.9	360.9
32.5°	633.1	625.3	594.1	472.1	363.9	360.9	343.4	357.0	363.9	449.7	478.0
35°	725.8	718.0	678.0	536.5	439.0	371.7	375.6	361.9	429.2	460.4	493.6
37.5°	790.2	782.3	758.9	592.1	488.7	414.6	391.2	403.9	437.0	479.0	512.1
40°	850.6	845.8	831.1	662.4	542.4	450.7	418.5	421.4	453.6	507.3	536.5
42.5°	913.1	910.1	902.3	728.7	591.1	486.8	452.6	442.9	489.7	533.6	572.6
45°	968.7	975.5	971.6	798.0	643.8	534.6	495.6	477.0	533.6	575.5	629.2
47.5°	997.0	997.0	1018.4	868.2	700.4	594.1	548.2	524.8	591.1	642.9	709.2
50°	1037.0	1040.9	1042.8	940.4	777.5	662.4	606.8	583.3	650.7	739.4	840.9
52.5°	1142.3	1178.4	1094.5	1010.6	874.0	749.2	670.2	644.8	728.7	858.4	1009.6
55°	1179.4	1187.2	1163.8	1105.2	956.0	833.1	740.4	718.0	849.7	997.0	1196.0
57.5°	1211.6	1201.8	1232.0	1207.7	1063.3	922.8	825.3	812.6	979.4	1150.1	1384.2
60°	1242.8	1246.7	1289.6	1325.7	1161.8	1034.0	918.9	949.2	1111.1	1310.1	1562.7
62.5°	1270.1	1279.8	1355.0	1395.0	1248.6	1152.1	1042.8	1124.7	1258.4	1468.1	1709.1
65°	1246.7	1260.3	1414.5	1439.8	1366.7	1295.5	1185.2	1300.3	1438.9	1603.7	1801.7
67.5°	1211.6	1224.2	1404.7	1514.0	1502.3	1481.8	1359.8	1468.1	1627.1	1741.3	1796.9
70°	1103.3	1118.9	1305.2	1540.3	1673.0	1727.6	1595.9	1623.2	1769.5	1794.9	1614.4
72.5°	819.4	820.4	999.9	1378.4	1723.7	1941.2	1838.8	1751.0	1793.9	1699.3	1262.3
75°	388.2	383.4	515.1	876.0	1442.8	1831.0	1832.0	1715.9	1619.3	1393.0	812.6
77.5°	114.1	116.1	162.9	361.9	924.8	1384.2	1472.0	1406.7	1234.0	780.4	357.0
80°	57.6	62.4	81.0	125.8	402.9	807.7	919.9	908.2	700.4	260.5	122.9
82.5°	28.3	29.3	43.9	68.3	175.6	375.6	480.9	421.4	223.4	124.9	62.4
85°	7.8	6.8	12.7	23.4	54.6	80.0	96.6	79.0	67.3	52.7	25.4
87.5°	0.0	1.0	1.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
10°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
12.5°	18.5	16.6	12.7	6.8	2.0	1.0	1.0	1.0	1.0	2.0	2.0
15°	84.9	83.9	82.9	76.1	16.6	2.9	2.0	8.8	30.2	45.8	55.6
17.5°	96.6	95.6	94.6	92.7	85.8	21.5	28.3	77.1	92.7	93.6	94.6
20°	178.5	174.6	131.7	102.4	94.6	85.8	81.9	94.6	98.5	101.5	102.4
22.5°	207.8	203.9	195.1	181.4	109.3	132.7	123.9	103.4	161.9	174.6	176.6
25°	236.1	231.2	210.7	194.1	185.3	141.4	157.1	166.8	183.4	187.3	189.2
27.5°	338.5	325.8	300.5	215.6	201.9	170.7	183.4	176.6	210.7	245.8	248.8
30°	360.0	347.3	312.2	258.5	213.6	197.0	183.4	230.2	254.6	262.4	266.3
32.5°	479.9	467.3	403.9	260.5	227.3	194.1	214.6	235.1	252.7	305.3	310.2
35°	498.5	482.9	409.7	301.4	219.5	201.9	212.7	243.9	290.7	308.3	311.2
37.5°	519.0	501.4	403.9	282.9	233.1	202.9	207.8	240.0	267.3	275.1	279.0
40°	550.2	523.8	394.1	262.4	219.5	191.2	201.9	220.5	236.1	233.1	236.1
42.5°	592.1	551.2	378.5	239.0	202.9	175.6	187.3	199.0	208.8	200.0	198.0
45°	644.8	590.2	360.9	218.5	185.3	161.9	172.7	182.4	189.2	173.6	171.7
47.5°	720.9	635.0	339.5	197.0	170.7	151.2	161.0	167.8	171.7	157.1	154.1
50°	824.3	694.6	315.1	179.5	158.0	141.4	153.2	157.1	154.1	143.4	141.4
52.5°	954.0	785.3	290.7	165.8	147.3	134.6	145.3	144.4	141.4	133.6	132.7
55°	1116.0	906.2	270.2	156.1	138.5	127.8	135.6	135.6	134.6	127.8	127.8
57.5°	1285.7	1020.4	245.8	147.3	128.8	118.0	127.8	129.7	128.8	123.9	122.9
60°	1427.1	1114.0	209.7	139.5	118.0	110.2	121.0	124.9	123.9	119.0	118.0
62.5°	1508.1	1128.6	172.7	128.8	109.3	103.4	117.1	122.9	129.7	132.7	132.7
65°	1524.7	1069.1	148.3	121.0	103.4	101.5	121.0	138.5	144.4	148.3	150.2
67.5°	1457.4	945.3	133.6	116.1	99.5	105.4	137.5	147.3	141.4	139.5	139.5
70°	1271.1	784.3	122.9	110.2	94.6	110.2	143.4	140.5	132.7	134.6	133.6
72.5°	961.8	597.0	115.1	104.4	89.7	102.4	141.4	134.6	124.9	122.9	119.0
75°	582.4	350.2	106.3	97.5	78.0	90.7	135.6	128.8	119.0	115.1	112.2
77.5°	225.3	161.9	96.6	89.7	67.3	80.0	125.8	122.9	113.2	105.4	104.4
80°	95.6	85.8	82.9	79.0	57.6	69.3	113.2	114.1	99.5	89.7	86.8
82.5°	53.7	52.7	64.4	64.4	47.8	61.5	102.4	102.4	87.8	81.9	75.1
85°	17.6	20.5	34.1	39.0	35.1	57.6	99.5	94.6	76.1	63.4	60.5
87.5°	2.0	2.0	3.9	7.8	8.8	14.6	28.3	33.2	23.4	19.5	19.5
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)