

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: P695235

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3583 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

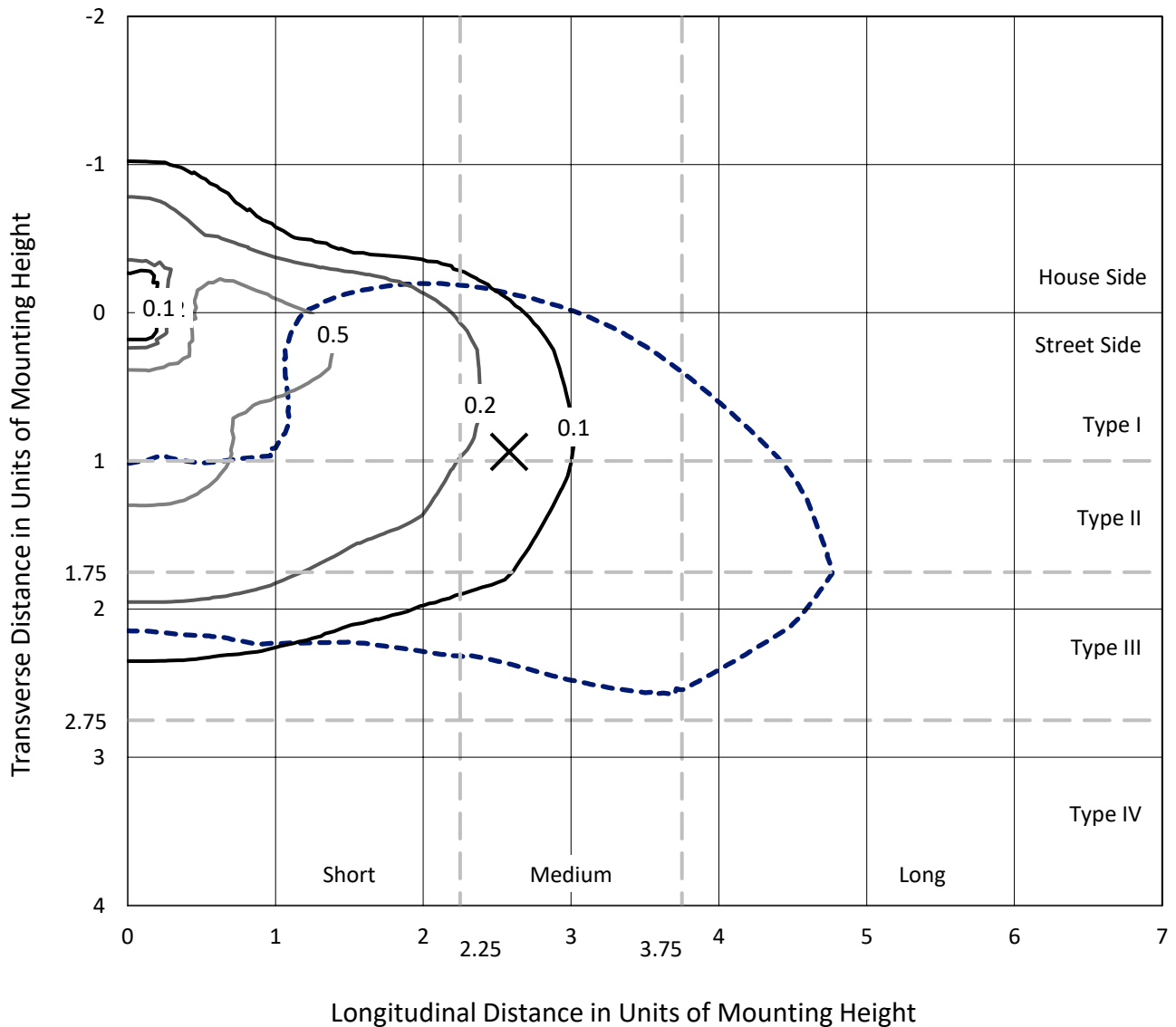
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

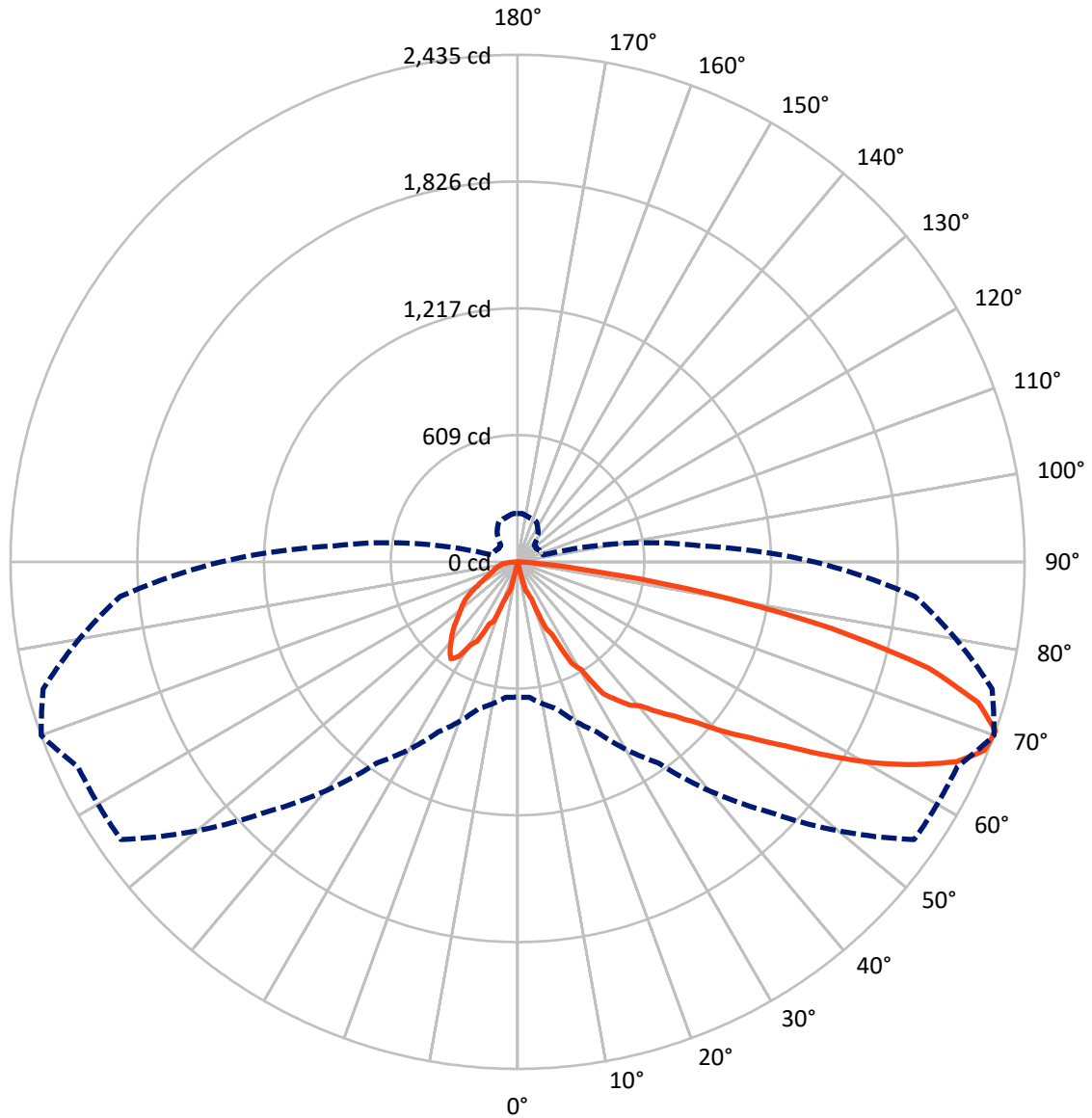
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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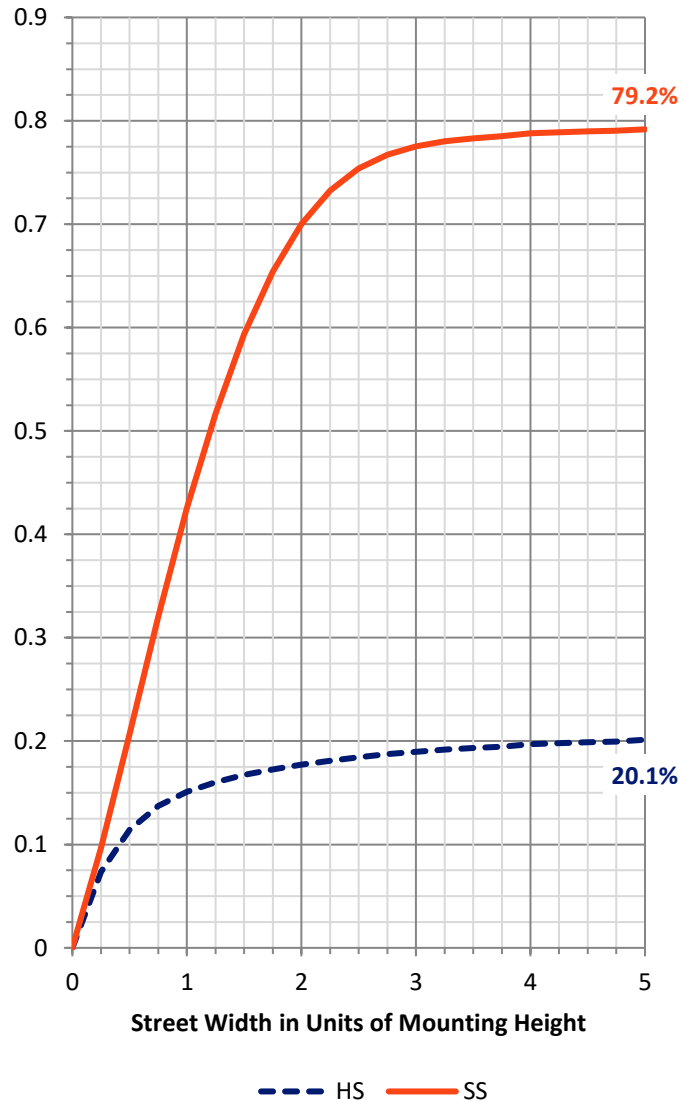
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	738.4	0.0	738.4
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	2844.6	0.0	2844.6
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	3583.0	0.0	3583.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	30.3	0.8
20°-30°	171.4	4.8
30°-40°	381.2	10.6
40°-50°	545.2	15.2
50°-60°	792.3	22.1
60°-70°	994.3	27.8
70°-80°	590.5	16.5
80°-90°	77.6	2.2
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°	3583.0	100.0
0°-180°	3583.0	100.0

**Coefficient of Utilization**

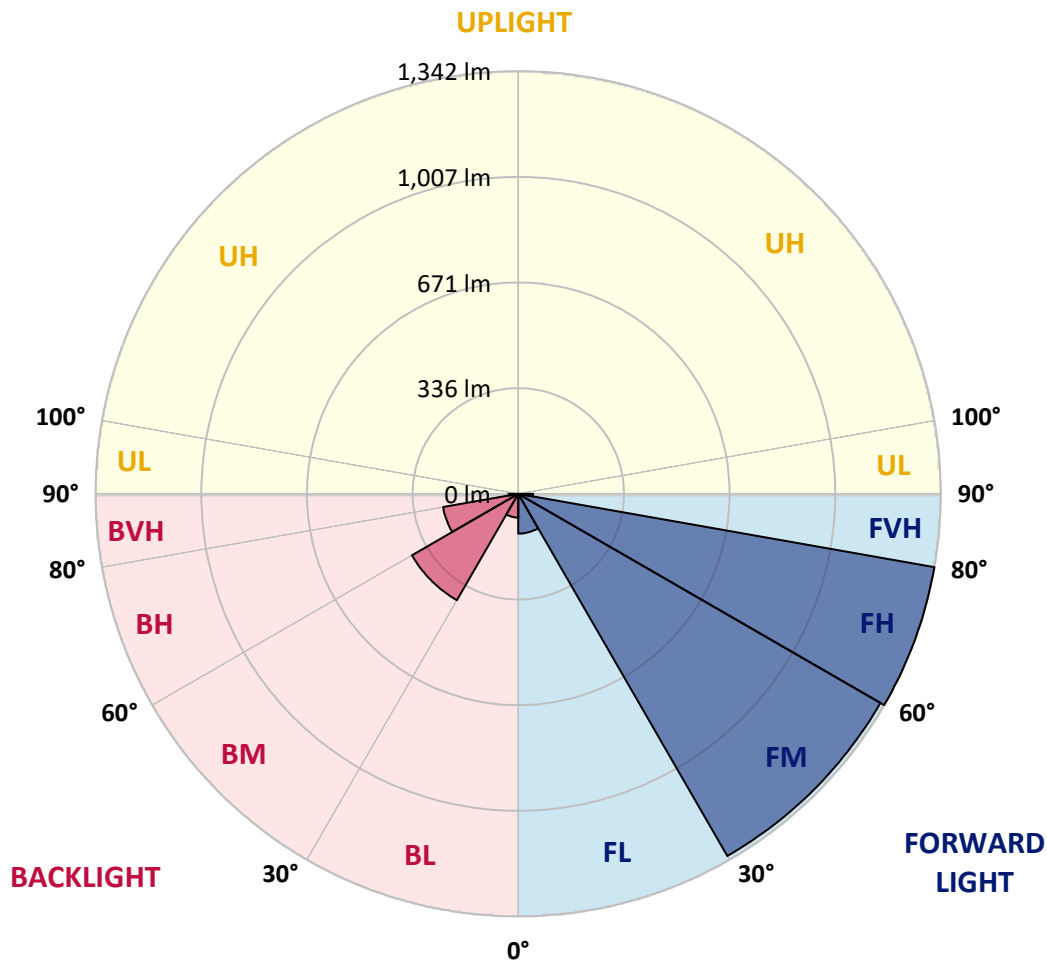


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.4	3.5			
FM (30°-60°)	1328.6	37.1			
FH (60°-80°)	1342.5	37.5			G1/1800
FVH (80°-90°)	47.1	1.3			G1/100
BL (0°-30°)	75.4	2.1	B0/110		
BM (30°-60°)	390.1	10.9	B1/1000		
BH (60°-80°)	242.4	6.8	B1/500		G1/500
BVH (80°-90°)	30.5	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10°	16.0	17.2	11.1	6.2	2.5	1.2	1.2	1.2	1.2	1.2	1.2
12.5°	142.9	142.9	141.7	91.2	28.3	6.2	2.5	7.4	13.6	14.8	22.2
15°	158.9	158.9	158.9	156.5	149.1	51.7	23.4	130.6	142.9	146.6	146.6
17.5°	209.4	213.1	193.4	173.7	165.1	144.1	139.2	156.5	158.9	161.4	162.6
20°	356.1	356.1	356.1	317.9	195.9	252.6	231.6	178.6	187.3	224.2	309.2
22.5°	396.7	395.5	386.9	374.5	401.6	280.9	263.7	311.7	343.7	354.8	349.9
25°	607.4	606.2	574.1	423.8	442.3	379.5	396.7	395.5	388.1	391.8	386.9
27.5°	659.1	656.7	654.2	596.3	489.1	512.5	460.8	515.0	549.5	575.4	559.4
30°	926.5	873.5	767.6	676.4	624.6	549.5	592.6	624.6	601.2	612.3	586.5
32.5°	979.5	984.4	979.5	852.6	694.9	625.9	665.3	662.8	755.2	787.3	778.7
35°	1032.5	1028.8	1021.4	908.0	808.2	722.0	701.0	811.9	811.9	830.4	804.5
37.5°	1074.3	1073.1	1063.3	938.8	864.9	756.5	793.4	871.1	872.3	890.8	834.1
40°	1110.1	1111.3	1107.6	972.1	910.5	793.4	836.6	929.0	909.3	936.4	883.4
42.5°	1140.9	1144.6	1150.7	1021.4	949.9	830.4	877.2	970.9	983.2	1015.2	954.8
45°	1197.6	1204.9	1213.6	1099.0	1002.9	879.7	932.7	1054.6	1057.1	1105.1	1053.4
47.5°	1269.0	1273.9	1292.4	1182.8	1081.7	951.1	989.3	1116.2	1152.0	1212.3	1171.7
50°	1330.6	1340.5	1365.1	1285.0	1190.2	1055.9	1069.4	1207.4	1278.9	1333.1	1296.1
52.5°	1377.4	1386.1	1423.0	1371.3	1304.7	1168.0	1170.4	1334.3	1407.0	1482.2	1460.0
55°	1415.6	1425.5	1460.0	1452.6	1409.5	1260.4	1309.7	1456.3	1558.5	1647.2	1622.6
57.5°	1421.8	1420.6	1485.9	1508.0	1482.2	1382.4	1485.9	1589.3	1753.2	1823.4	1824.7
60°	1393.4	1399.6	1477.2	1545.0	1547.5	1508.0	1678.1	1766.8	1959.0	2005.8	2020.6
62.5°	1333.1	1346.6	1432.9	1545.0	1600.4	1633.7	1865.3	1966.4	2143.8	2168.4	2152.4
65°	1218.5	1223.4	1308.4	1473.5	1605.4	1748.3	2058.8	2140.1	2315.0	2290.4	2182.0
67.5°	984.4	999.2	1078.0	1269.0	1488.3	1798.8	2234.9	2270.7	2417.3	2365.5	2109.3
70°	649.3	653.0	730.6	900.6	1179.1	1694.1	2324.9	2328.6	2434.5	2358.1	1915.8
72.5°	282.1	260.0	333.9	470.6	723.2	1320.8	2215.2	2268.2	2312.6	2218.9	1586.9
75°	122.0	124.4	144.1	194.7	335.1	746.6	1843.1	1977.4	2037.8	1890.0	1156.9
77.5°	91.2	91.2	104.7	118.3	156.5	282.1	1201.2	1472.3	1543.8	1368.8	719.5
80°	66.5	69.0	78.9	86.2	101.0	114.6	598.8	892.0	937.6	713.4	316.6
82.5°	50.5	50.5	56.7	61.6	69.0	69.0	203.3	383.2	347.4	242.7	109.7
85°	22.2	18.5	29.6	28.3	30.8	24.6	54.2	70.2	70.2	55.4	24.6
87.5°	0.0	1.2	1.2	1.2	2.5	2.5	4.9	3.7	4.9	4.9	3.7
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
7.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2
10°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2
12.5°	19.7	23.4	14.8	7.4	1.2	0.0	0.0	1.2	1.2	2.5	2.5
15°	149.1	147.8	147.8	135.5	23.4	3.7	2.5	12.3	41.9	88.7	87.5
17.5°	162.6	162.6	162.6	156.5	141.7	39.4	39.4	130.6	141.7	142.9	144.1
20°	308.0	304.3	235.3	168.8	149.1	141.7	129.4	142.9	145.4	146.6	149.1
22.5°	346.2	342.5	326.5	293.2	167.6	205.8	186.0	152.8	227.9	239.0	241.5
25°	384.4	374.5	349.9	306.8	280.9	208.2	218.1	218.1	227.9	226.7	227.9
27.5°	548.3	537.2	503.9	348.7	304.3	243.9	241.5	213.1	229.2	261.2	263.7
30°	574.1	560.6	515.0	401.6	320.3	266.1	225.5	253.8	266.1	262.4	263.7
32.5°	757.7	741.7	669.0	404.1	322.8	245.2	250.1	253.8	258.7	282.1	284.6
35°	781.1	766.3	667.8	463.3	298.2	243.9	241.5	258.7	287.1	290.8	292.0
37.5°	814.4	799.6	654.2	422.6	296.9	241.5	235.3	255.0	264.9	261.2	258.7
40°	862.4	840.3	628.3	378.2	269.8	229.2	229.2	234.1	241.5	227.9	224.2
42.5°	933.9	888.3	600.0	338.8	247.6	213.1	213.1	214.4	209.4	197.1	197.1
45°	1011.5	929.0	563.0	303.1	225.5	195.9	197.1	188.5	193.4	183.6	183.6
47.5°	1102.7	978.2	517.5	268.6	205.8	179.9	177.4	178.6	184.8	177.4	177.4
50°	1207.4	1037.4	483.0	237.8	188.5	163.9	170.0	173.7	181.1	175.0	173.7
52.5°	1331.8	1100.2	455.9	213.1	173.7	150.3	165.1	170.0	178.6	175.0	173.7
55°	1477.2	1179.1	412.7	193.4	160.2	142.9	161.4	170.0	179.9	177.4	176.2
57.5°	1612.8	1246.8	352.4	173.7	150.3	138.0	160.2	170.0	182.3	179.9	178.6
60°	1734.7	1310.9	278.4	158.9	141.7	131.8	156.5	170.0	183.6	184.8	183.6
62.5°	1796.3	1314.6	225.5	147.8	133.1	125.7	152.8	168.8	182.3	189.7	189.7
65°	1766.8	1240.7	179.9	136.8	125.7	118.3	149.1	172.5	193.4	205.8	205.8
67.5°	1646.0	1091.6	149.1	128.1	117.0	112.1	154.0	194.7	214.4	226.7	226.7
70°	1425.5	882.1	128.1	120.7	110.9	114.6	171.3	213.1	219.3	232.9	231.6
72.5°	1131.0	659.1	114.6	113.3	107.2	120.7	182.3	205.8	205.8	210.7	205.8
75°	795.9	418.9	103.5	106.0	98.6	110.9	172.5	192.2	183.6	181.1	179.9
77.5°	453.4	226.7	91.2	96.1	88.7	96.1	150.3	171.3	162.6	156.5	154.0
80°	194.7	115.8	78.9	86.2	77.6	81.3	125.7	147.8	141.7	134.3	131.8
82.5°	77.6	60.4	66.5	76.4	65.3	69.0	107.2	125.7	120.7	113.3	106.0
85°	22.2	23.4	40.7	54.2	49.3	54.2	86.2	99.8	92.4	72.7	70.2
87.5°	2.5	3.7	8.6	11.1	12.3	9.9	19.7	27.1	24.6	18.5	14.8
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)