

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: P694815

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T3**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694815  
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-PA16-30-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3437 lumens  
Efficiency: N/A  
Efficacy: 117.7 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

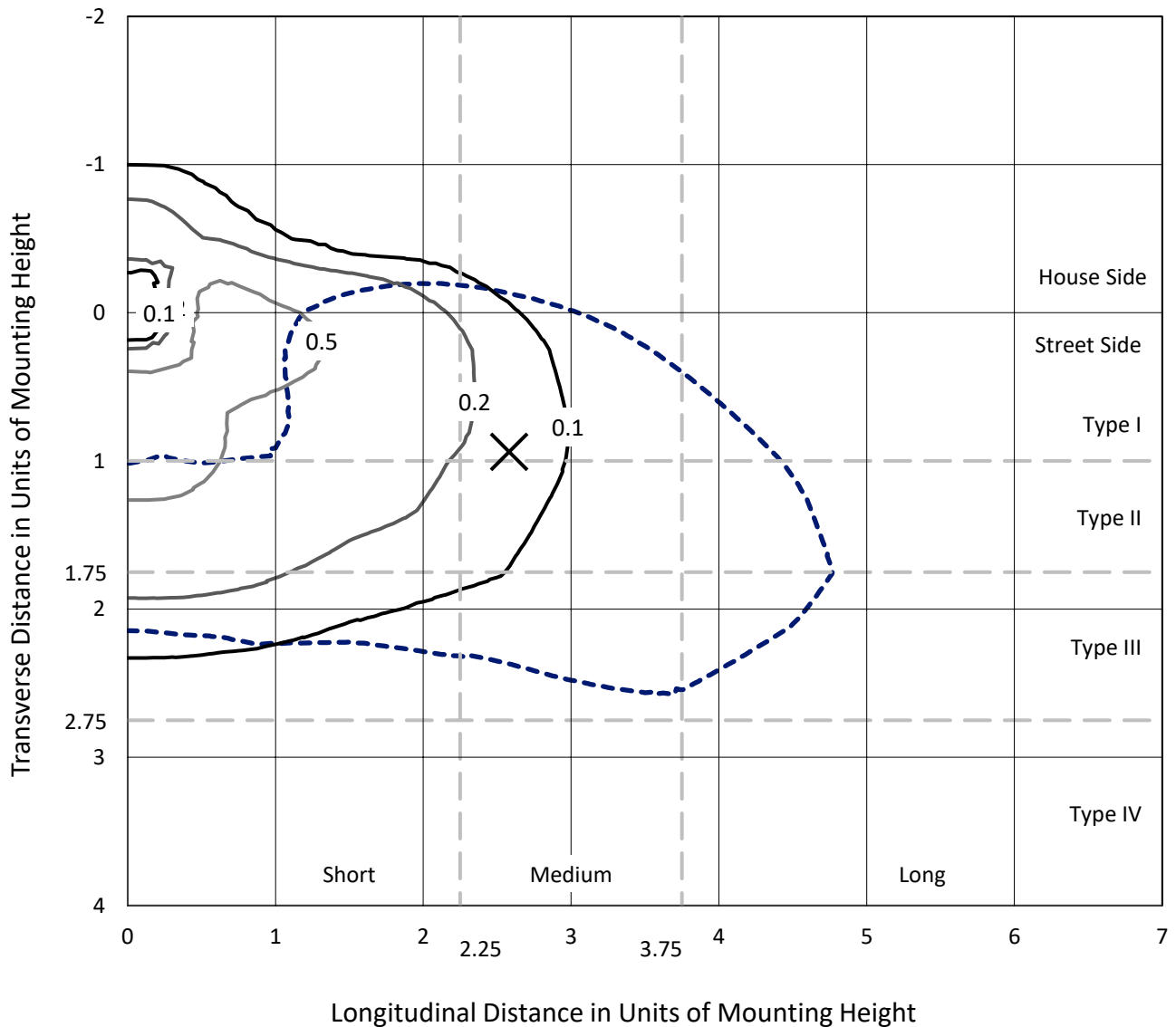
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

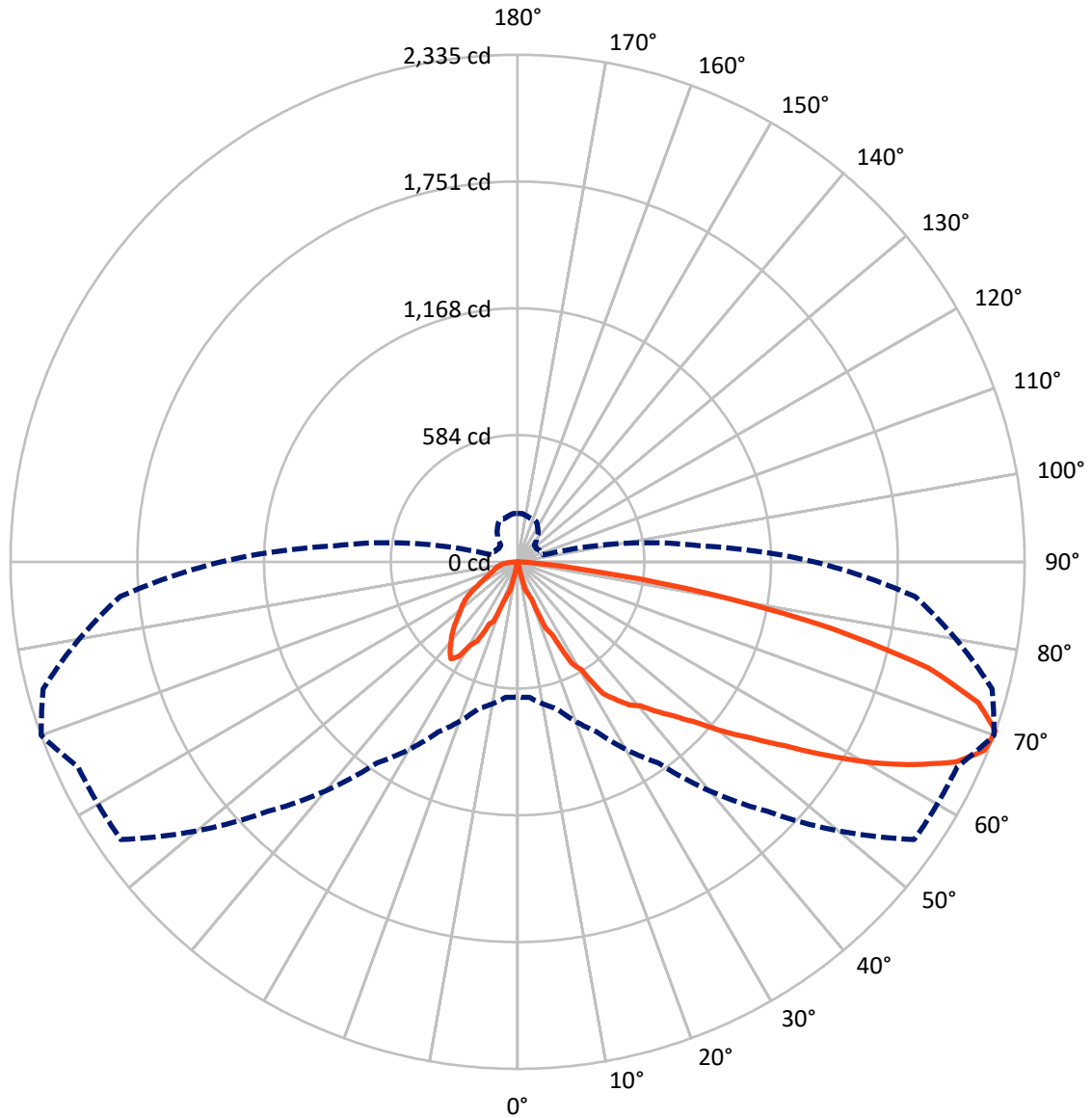
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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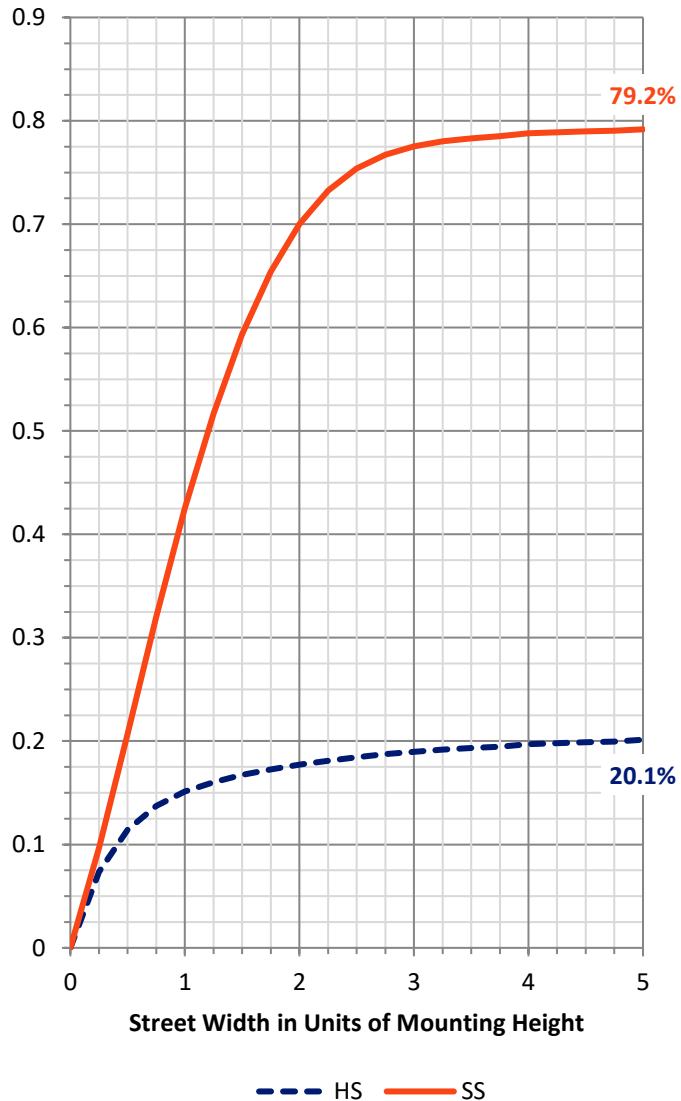
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	708.3	0.0	708.3
	% Fixture	20.6	0.0	20.6
<b>Street Side</b>	Lumens	2728.7	0.0	2728.7
	% Fixture	79.4	0.0	79.4
<b>Total</b>	Lumens	3437.0	0.0	3437.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	29.1	0.8
20°-30°	164.4	4.8
30°-40°	365.7	10.6
40°-50°	523.0	15.2
50°-60°	760.0	22.1
60°-70°	953.8	27.8
70°-80°	566.5	16.5
80°-90°	74.4	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°	3437.0	100.0
0°-180°	3437.0	100.0

**Coefficient of Utilization**

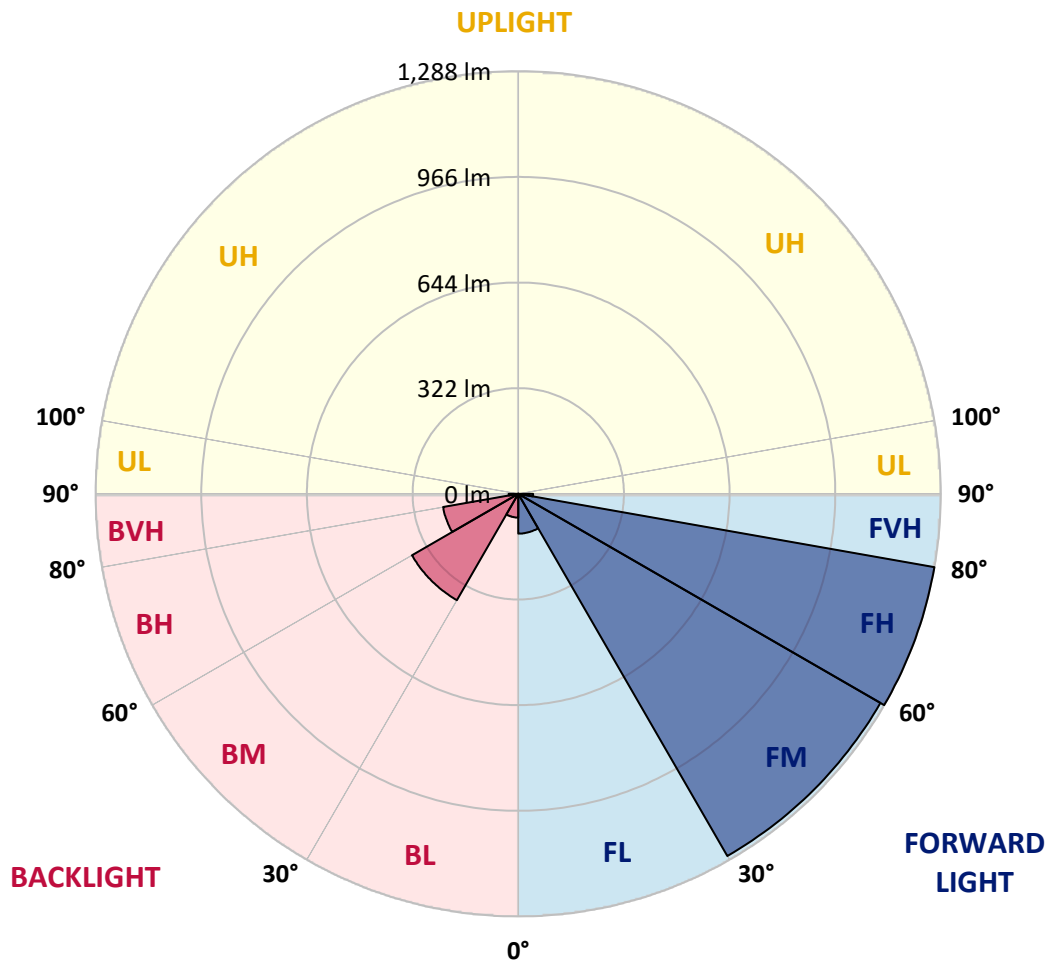


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.3	3.5			
FM (30°-60°)	1274.5	37.1			
FH (60°-80°)	1287.8	37.5			G1/1800
FVH (80°-90°)	45.2	1.3			G1/100
BL (0°-30°)	72.4	2.1	B0/110		
BM (30°-60°)	374.2	10.9	B1/1000		
BH (60°-80°)	232.5	6.8	B1/500		G1/500
BVH (80°-90°)	29.2	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°	15.4	16.5	10.6	5.9	2.4	1.2	1.2	1.2	1.2	1.2	1.2
12.5°	137.1	137.1	135.9	87.5	27.2	5.9	2.4	7.1	13.0	14.2	21.3
15°	152.5	152.5	152.5	150.1	143.0	49.6	22.5	125.3	137.1	140.6	140.6
17.5°	200.9	204.5	185.5	166.6	158.4	138.3	133.5	150.1	152.5	154.8	156.0
20°	341.6	341.6	341.6	304.9	187.9	242.3	222.2	171.4	179.6	215.1	296.6
22.5°	380.6	379.4	371.1	359.3	385.3	269.5	252.9	299.0	329.7	340.4	335.6
25°	582.6	581.5	550.7	406.6	424.3	364.0	380.6	379.4	372.3	375.8	371.1
27.5°	632.3	629.9	627.6	572.0	469.2	491.6	442.0	494.0	527.1	551.9	536.6
30°	888.7	837.9	736.3	648.8	599.2	527.1	568.5	599.2	576.7	587.4	562.6
32.5°	939.6	944.3	939.6	817.8	666.6	600.4	638.2	635.8	724.5	755.2	746.9
35°	990.4	986.8	979.7	871.0	775.3	692.6	672.5	778.8	778.8	796.6	771.7
37.5°	1030.6	1029.4	1019.9	900.6	829.7	725.7	761.1	835.6	836.7	854.5	800.1
40°	1064.8	1066.0	1062.5	932.5	873.4	761.1	802.5	891.1	872.2	898.2	847.4
42.5°	1094.4	1097.9	1103.8	979.7	911.2	796.6	841.5	931.3	943.1	973.8	915.9
45°	1148.8	1155.8	1164.1	1054.2	962.0	843.8	894.7	1011.7	1014.0	1060.1	1010.5
47.5°	1217.3	1222.0	1239.8	1134.6	1037.7	912.4	949.0	1070.8	1105.0	1162.9	1123.9
50°	1276.4	1285.8	1309.5	1232.7	1141.7	1012.8	1025.8	1158.2	1226.8	1278.8	1243.3
52.5°	1321.3	1329.6	1365.0	1315.4	1251.6	1120.4	1122.8	1279.9	1349.7	1421.8	1400.5
55°	1357.9	1367.4	1400.5	1393.4	1352.0	1209.0	1256.3	1396.9	1495.0	1580.1	1556.5
57.5°	1363.8	1362.7	1425.3	1446.6	1421.8	1326.0	1425.3	1524.6	1681.8	1749.1	1750.3
60°	1336.7	1342.6	1417.0	1482.0	1484.4	1446.6	1609.7	1694.8	1879.1	1924.0	1938.2
62.5°	1278.8	1291.8	1374.5	1482.0	1535.2	1567.1	1789.3	1886.2	2056.4	2080.0	2064.7
65°	1168.8	1173.6	1255.1	1413.5	1539.9	1677.0	1974.9	2052.9	2220.7	2197.1	2093.0
67.5°	944.3	958.5	1034.1	1217.3	1427.7	1725.5	2143.9	2178.1	2318.8	2269.1	2023.3
70°	622.8	626.4	700.8	863.9	1131.0	1625.0	2230.1	2233.7	2335.3	2262.1	1837.8
72.5°	270.6	249.4	320.3	451.5	693.7	1266.9	2125.0	2175.8	2218.3	2128.5	1522.2
75°	117.0	119.4	138.3	186.7	321.5	716.2	1768.0	1896.9	1954.8	1813.0	1109.8
77.5°	87.5	87.5	100.5	113.5	150.1	270.6	1152.3	1412.3	1480.9	1313.0	690.2
80°	63.8	66.2	75.6	82.7	96.9	109.9	574.4	855.7	899.4	684.3	303.7
82.5°	48.5	48.5	54.4	59.1	66.2	66.2	195.0	367.6	333.3	232.8	105.2
85°	21.3	17.7	28.4	27.2	29.5	23.6	52.0	67.4	67.4	53.2	23.6
87.5°	0.0	1.2	1.2	1.2	2.4	2.4	4.7	3.5	4.7	4.7	3.5
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°	18.9	22.5	14.2	7.1	1.2	0.0	0.0	1.2	1.2	2.4	2.4
15°	143.0	141.8	141.8	130.0	22.5	3.5	2.4	11.8	40.2	85.1	83.9
17.5°	156.0	156.0	156.0	150.1	135.9	37.8	37.8	125.3	135.9	137.1	138.3
20°	295.5	291.9	225.7	161.9	143.0	135.9	124.1	137.1	139.5	140.6	143.0
22.5°	332.1	328.6	313.2	281.3	160.7	197.4	178.5	146.5	218.6	229.3	231.6
25°	368.7	359.3	335.6	294.3	269.5	199.7	209.2	209.2	218.6	217.5	218.6
27.5°	525.9	515.3	483.4	334.5	291.9	234.0	231.6	204.5	219.8	250.6	252.9
30°	550.7	537.7	494.0	385.3	307.3	255.3	216.3	243.5	255.3	251.7	252.9
32.5°	726.8	711.5	641.7	387.6	309.6	235.2	239.9	243.5	248.2	270.6	273.0
35°	749.3	735.1	640.6	444.4	286.0	234.0	231.6	248.2	275.4	278.9	280.1
37.5°	781.2	767.0	627.6	405.4	284.8	231.6	225.7	244.6	254.1	250.6	248.2
40°	827.3	806.0	602.7	362.8	258.8	219.8	219.8	224.6	231.6	218.6	215.1
42.5°	895.8	852.1	575.6	325.0	237.6	204.5	204.5	205.6	200.9	189.1	189.1
45°	970.3	891.1	540.1	290.7	216.3	187.9	189.1	180.8	185.5	176.1	176.1
47.5°	1057.8	938.4	496.4	257.6	197.4	172.5	170.2	171.4	177.3	170.2	170.2
50°	1158.2	995.1	463.3	228.1	180.8	157.2	163.1	166.6	173.7	167.8	166.6
52.5°	1277.6	1055.4	437.3	204.5	166.6	144.2	158.4	163.1	171.4	167.8	166.6
55°	1417.0	1131.0	395.9	185.5	153.6	137.1	154.8	163.1	172.5	170.2	169.0
57.5°	1547.0	1196.0	338.0	166.6	144.2	132.4	153.6	163.1	174.9	172.5	171.4
60°	1664.0	1257.5	267.1	152.5	135.9	126.5	150.1	163.1	176.1	177.3	176.1
62.5°	1723.1	1261.0	216.3	141.8	127.6	120.5	146.5	161.9	174.9	182.0	182.0
65°	1694.8	1190.1	172.5	131.2	120.5	113.5	143.0	165.5	185.5	197.4	197.4
67.5°	1578.9	1047.1	143.0	122.9	112.3	107.5	147.7	186.7	205.6	217.5	217.5
70°	1367.4	846.2	122.9	115.8	106.4	109.9	164.3	204.5	210.4	223.4	222.2
72.5°	1084.9	632.3	109.9	108.7	102.8	115.8	174.9	197.4	197.4	202.1	197.4
75°	763.5	401.8	99.3	101.6	94.5	106.4	165.5	184.4	176.1	173.7	172.5
77.5°	434.9	217.5	87.5	92.2	85.1	92.2	144.2	164.3	156.0	150.1	147.7
80°	186.7	111.1	75.6	82.7	74.5	78.0	120.5	141.8	135.9	128.8	126.5
82.5°	74.5	57.9	63.8	73.3	62.6	66.2	102.8	120.5	115.8	108.7	101.6
85°	21.3	22.5	39.0	52.0	47.3	52.0	82.7	95.7	88.6	69.7	67.4
87.5°	2.4	3.5	8.3	10.6	11.8	9.5	18.9	26.0	23.6	17.7	14.2
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)