

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: P695505

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695505
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-PA16-50-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4510 lumens
Efficiency: N/A
Efficacy: 84.9 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

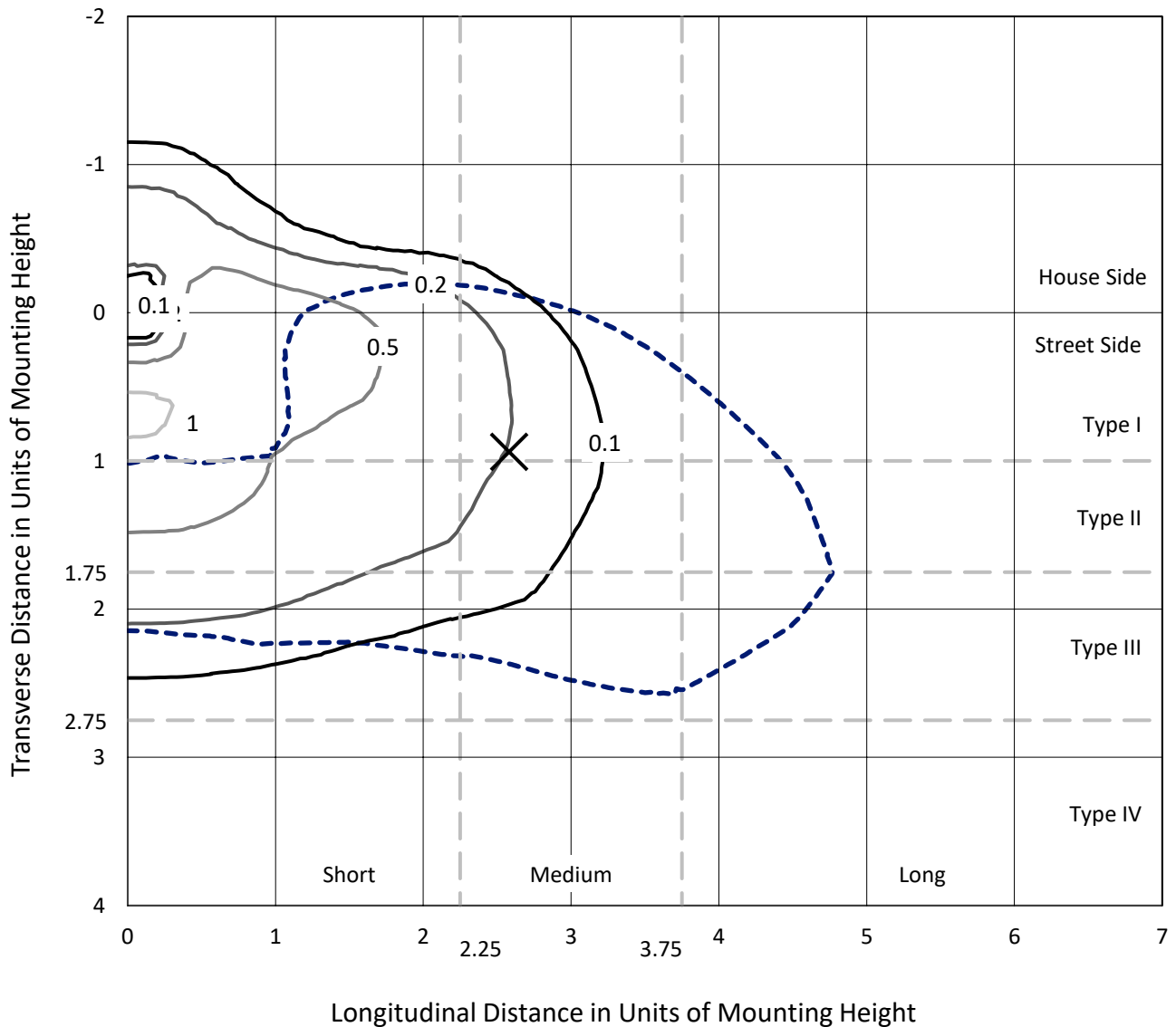
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695505
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

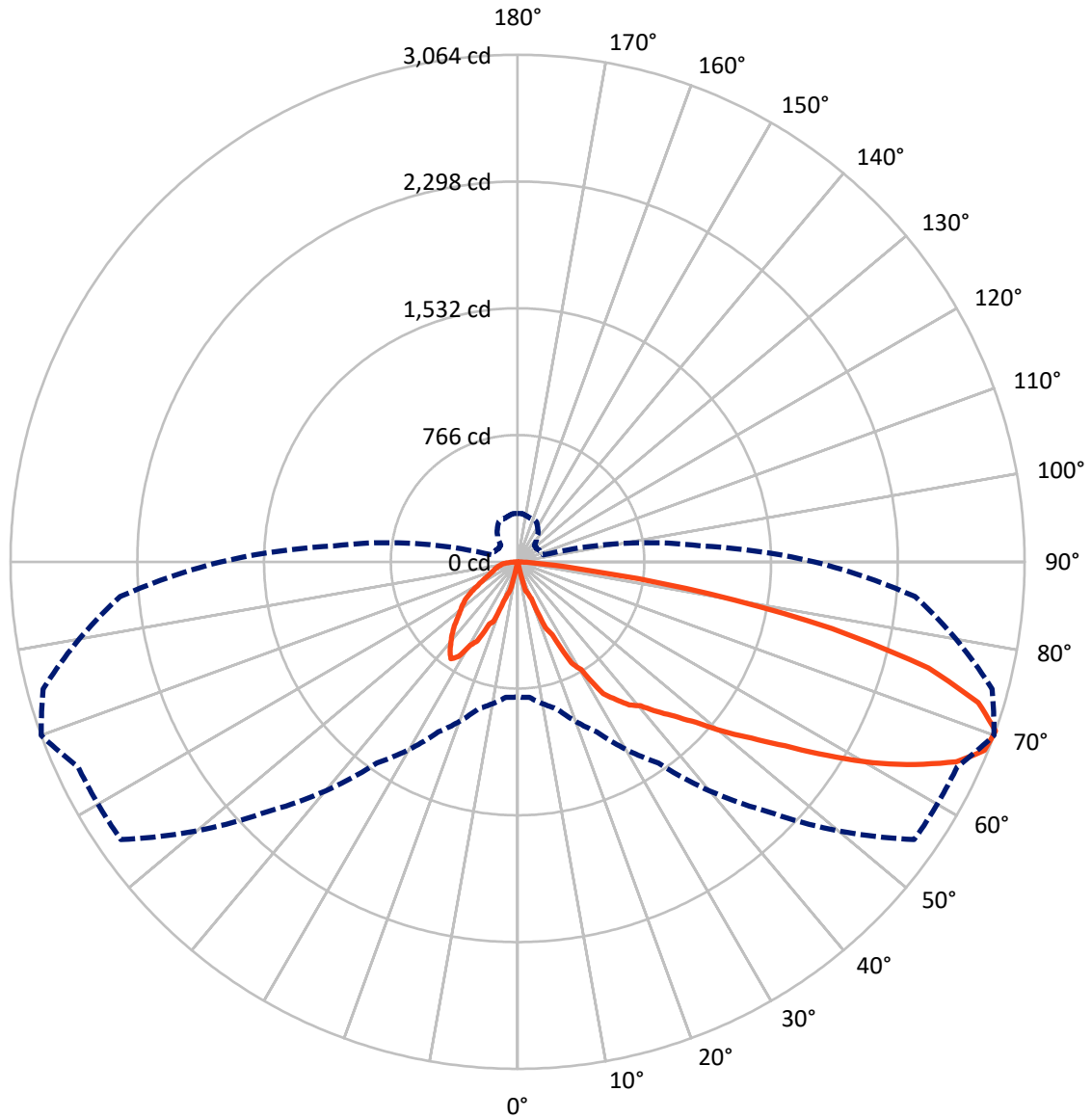
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P695505
CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695505
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3

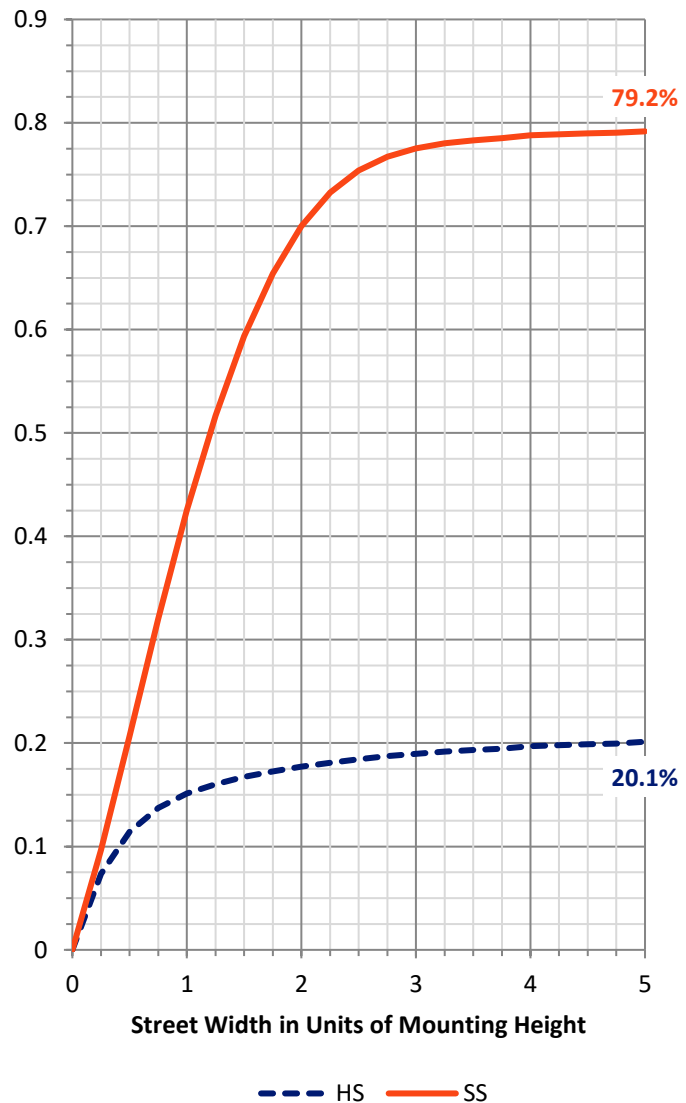
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	929.4	0.0	929.4
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	3580.6	0.0	3580.6
	% Fixture	79.4	0.0	79.4
Total	Lumens	4510.0	0.0	4510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	38.2	0.8
20°-30°	215.7	4.8
30°-40°	479.8	10.6
40°-50°	686.3	15.2
50°-60°	997.2	22.1
60°-70°	1251.6	27.8
70°-80°	743.3	16.5
80°-90°	97.7	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°	4510.0	100.0
0°-180°	4510.0	100.0

Coefficient of Utilization

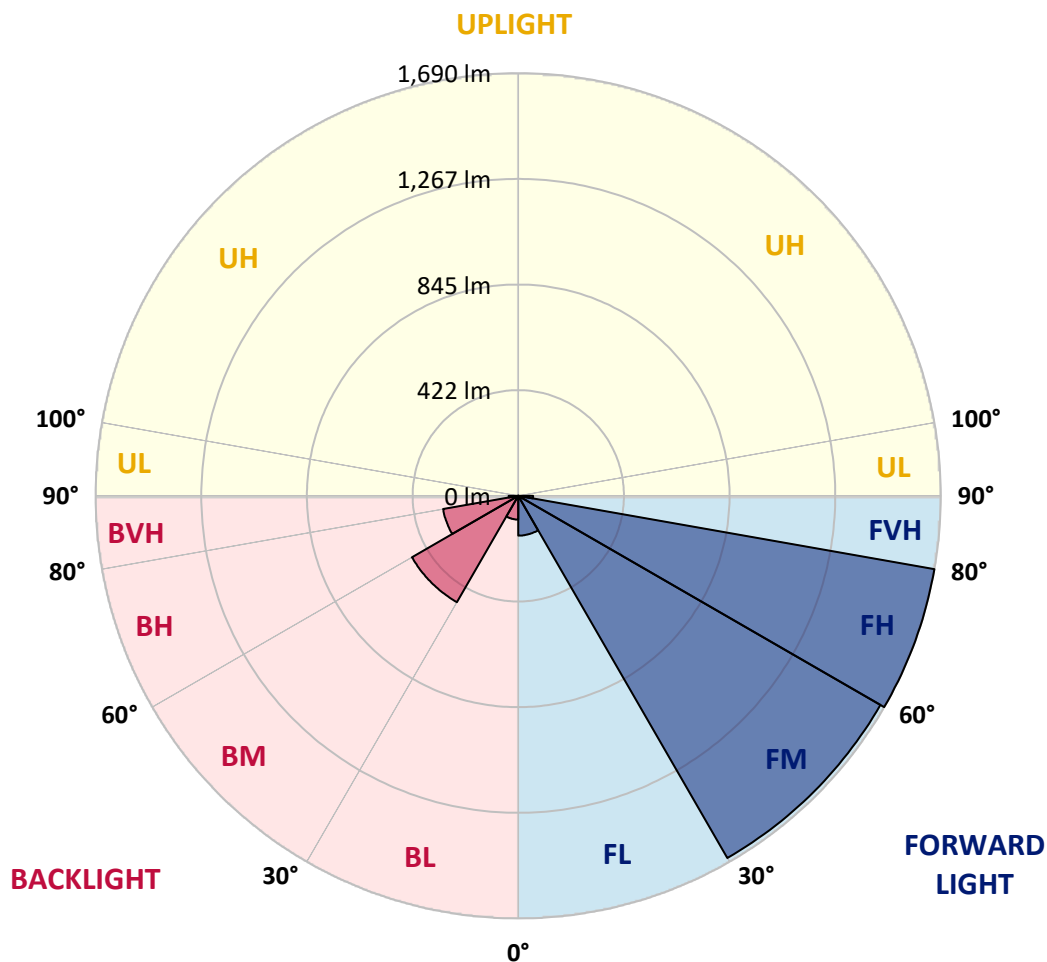


REPORT NUMBER: P695505
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.1	3.5			
FM (30°-60°)	1672.3	37.1			
FH (60°-80°)	1689.8	37.5			G1/1800
FVH (80°-90°)	59.3	1.3			G1/100
BL (0°-30°)	95.0	2.1	B0/110		
BM (30°-60°)	491.0	10.9	B1/1000		
BH (60°-80°)	305.1	6.8	B1/500		G1/500
BVH (80°-90°)	38.4	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



REPORT NUMBER: P695505
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
10°	20.2	21.7	14.0	7.8	3.1	1.6	1.6	1.6	1.6	1.6	1.6
12.5°	179.9	179.9	178.3	114.8	35.7	7.8	3.1	9.3	17.1	18.6	27.9
15°	200.1	200.1	200.1	197.0	187.6	65.1	29.5	164.4	179.9	184.5	184.5
17.5°	263.6	268.3	243.5	218.7	207.8	181.4	175.2	197.0	200.1	203.2	204.7
20°	448.2	448.2	448.2	400.1	246.6	317.9	291.6	224.9	235.7	282.2	389.3
22.5°	499.4	497.8	487.0	471.4	505.6	353.6	331.9	392.4	432.7	446.6	440.4
25°	764.5	763.0	722.7	533.5	556.7	477.6	499.4	497.8	488.5	493.2	487.0
27.5°	829.7	826.6	823.5	750.6	615.7	645.1	580.0	648.2	691.7	724.2	704.1
30°	1166.2	1099.5	966.2	851.4	786.3	691.7	745.9	786.3	756.8	770.8	738.2
32.5°	1232.9	1239.1	1232.9	1073.2	874.7	787.8	837.4	834.3	950.6	991.0	980.1
35°	1299.6	1294.9	1285.6	1142.9	1017.3	908.8	882.4	1022.0	1022.0	1045.2	1012.7
37.5°	1352.3	1350.8	1338.3	1181.7	1088.7	952.2	998.7	1096.4	1098.0	1121.2	1049.9
40°	1397.3	1398.8	1394.2	1223.6	1146.0	998.7	1053.0	1169.3	1144.5	1178.6	1111.9
42.5°	1436.0	1440.7	1448.5	1285.6	1195.7	1045.2	1104.2	1222.0	1237.5	1277.9	1201.9
45°	1507.4	1516.7	1527.5	1383.3	1262.4	1107.3	1174.0	1327.5	1330.6	1391.1	1325.9
47.5°	1597.3	1603.5	1626.8	1488.8	1361.6	1197.2	1245.3	1405.0	1450.0	1526.0	1474.8
50°	1674.9	1687.3	1718.3	1617.5	1498.1	1329.0	1346.1	1519.8	1609.7	1678.0	1631.4
52.5°	1733.8	1744.7	1791.2	1726.0	1642.3	1470.2	1473.3	1679.5	1771.0	1865.6	1837.7
55°	1781.9	1794.3	1837.7	1828.4	1774.1	1586.5	1648.5	1833.1	1961.8	2073.4	2042.4
57.5°	1789.6	1788.1	1870.3	1898.2	1865.6	1740.0	1870.3	2000.5	2206.8	2295.2	2296.7
60°	1754.0	1761.7	1859.4	1944.7	1947.8	1898.2	2112.2	2223.9	2465.8	2524.7	2543.3
62.5°	1678.0	1695.0	1803.6	1944.7	2014.5	2056.4	2347.9	2475.1	2698.4	2729.4	2709.3
65°	1533.7	1540.0	1647.0	1854.8	2020.7	2200.6	2591.4	2693.8	2914.0	2882.9	2746.5
67.5°	1239.1	1257.7	1357.0	1597.3	1873.4	2264.2	2813.2	2858.1	3042.7	2977.5	2655.0
70°	817.3	821.9	919.6	1133.6	1484.1	2132.4	2926.4	2931.0	3064.4	2968.2	2411.5
72.5°	355.1	327.2	420.3	592.4	910.3	1662.5	2788.4	2855.0	2910.9	2793.0	1997.4
75°	153.5	156.6	181.4	245.0	421.8	939.8	2320.0	2489.0	2565.0	2378.9	1456.2
77.5°	114.8	114.8	131.8	148.9	197.0	355.1	1512.0	1853.2	1943.2	1722.9	905.7
80°	83.7	86.8	99.3	108.6	127.2	144.2	753.7	1122.8	1180.2	897.9	398.6
82.5°	63.6	63.6	71.3	77.5	86.8	86.8	255.9	482.3	437.3	305.5	138.0
85°	27.9	23.3	37.2	35.7	38.8	31.0	68.2	88.4	88.4	69.8	31.0
87.5°	0.0	1.6	1.6	1.6	3.1	3.1	6.2	4.7	6.2	6.2	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P695505
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
7.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
10°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	1.6	1.6	1.6	1.6
12.5°	24.8	29.5	18.6	9.3	1.6	0.0	0.0	1.6	1.6	3.1	3.1
15°	187.6	186.1	186.1	170.6	29.5	4.7	3.1	15.5	52.7	111.7	110.1
17.5°	204.7	204.7	204.7	197.0	178.3	49.6	49.6	164.4	178.3	179.9	181.4
20°	387.7	383.0	296.2	212.5	187.6	178.3	162.8	179.9	183.0	184.5	187.6
22.5°	435.8	431.1	411.0	369.1	210.9	259.0	234.2	192.3	286.9	300.9	304.0
25°	483.9	471.4	440.4	386.2	353.6	262.1	274.5	274.5	286.9	285.3	286.9
27.5°	690.1	676.2	634.3	438.9	383.0	307.1	304.0	268.3	288.5	328.8	331.9
30°	722.7	705.6	648.2	505.6	403.2	335.0	283.8	319.5	335.0	330.3	331.9
32.5°	953.7	933.6	842.1	508.7	406.3	308.6	314.8	319.5	325.7	355.1	358.2
35°	983.2	964.6	840.5	583.1	375.3	307.1	304.0	325.7	361.3	366.0	367.5
37.5°	1025.1	1006.5	823.5	531.9	373.7	304.0	296.2	321.0	333.4	328.8	325.7
40°	1085.6	1057.7	790.9	476.1	339.6	288.5	288.5	294.7	304.0	286.9	282.2
42.5°	1175.5	1118.1	755.2	426.5	311.7	268.3	268.3	269.8	263.6	248.1	248.1
45°	1273.2	1169.3	708.7	381.5	283.8	246.6	248.1	237.3	243.5	231.1	231.1
47.5°	1388.0	1231.3	651.3	338.1	259.0	226.4	223.3	224.9	232.6	223.3	223.3
50°	1519.8	1305.8	607.9	299.3	237.3	206.3	214.0	218.7	228.0	220.2	218.7
52.5°	1676.4	1384.9	573.8	268.3	218.7	189.2	207.8	214.0	224.9	220.2	218.7
55°	1859.4	1484.1	519.5	243.5	201.6	179.9	203.2	214.0	226.4	223.3	221.8
57.5°	2030.0	1569.4	443.5	218.7	189.2	173.7	201.6	214.0	229.5	226.4	224.9
60°	2183.5	1650.1	350.5	200.1	178.3	165.9	197.0	214.0	231.1	232.6	231.1
62.5°	2261.1	1654.7	283.8	186.1	167.5	158.2	192.3	212.5	229.5	238.8	238.8
65°	2223.9	1561.7	226.4	172.1	158.2	148.9	187.6	217.1	243.5	259.0	259.0
67.5°	2071.9	1374.0	187.6	161.3	147.3	141.1	193.9	245.0	269.8	285.3	285.3
70°	1794.3	1110.4	161.3	152.0	139.6	144.2	215.6	268.3	276.0	293.1	291.6
72.5°	1423.6	829.7	144.2	142.7	134.9	152.0	229.5	259.0	259.0	265.2	259.0
75°	1001.8	527.3	130.3	133.4	124.1	139.6	217.1	241.9	231.1	228.0	226.4
77.5°	570.7	285.3	114.8	121.0	111.7	121.0	189.2	215.6	204.7	197.0	193.9
80°	245.0	145.8	99.3	108.6	97.7	102.4	158.2	186.1	178.3	169.0	165.9
82.5°	97.7	76.0	83.7	96.2	82.2	86.8	134.9	158.2	152.0	142.7	133.4
85°	27.9	29.5	51.2	68.2	62.0	68.2	108.6	125.6	116.3	91.5	88.4
87.5°	3.1	4.7	10.9	14.0	15.5	12.4	24.8	34.1	31.0	23.3	18.6
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)