

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: P694775

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3114 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

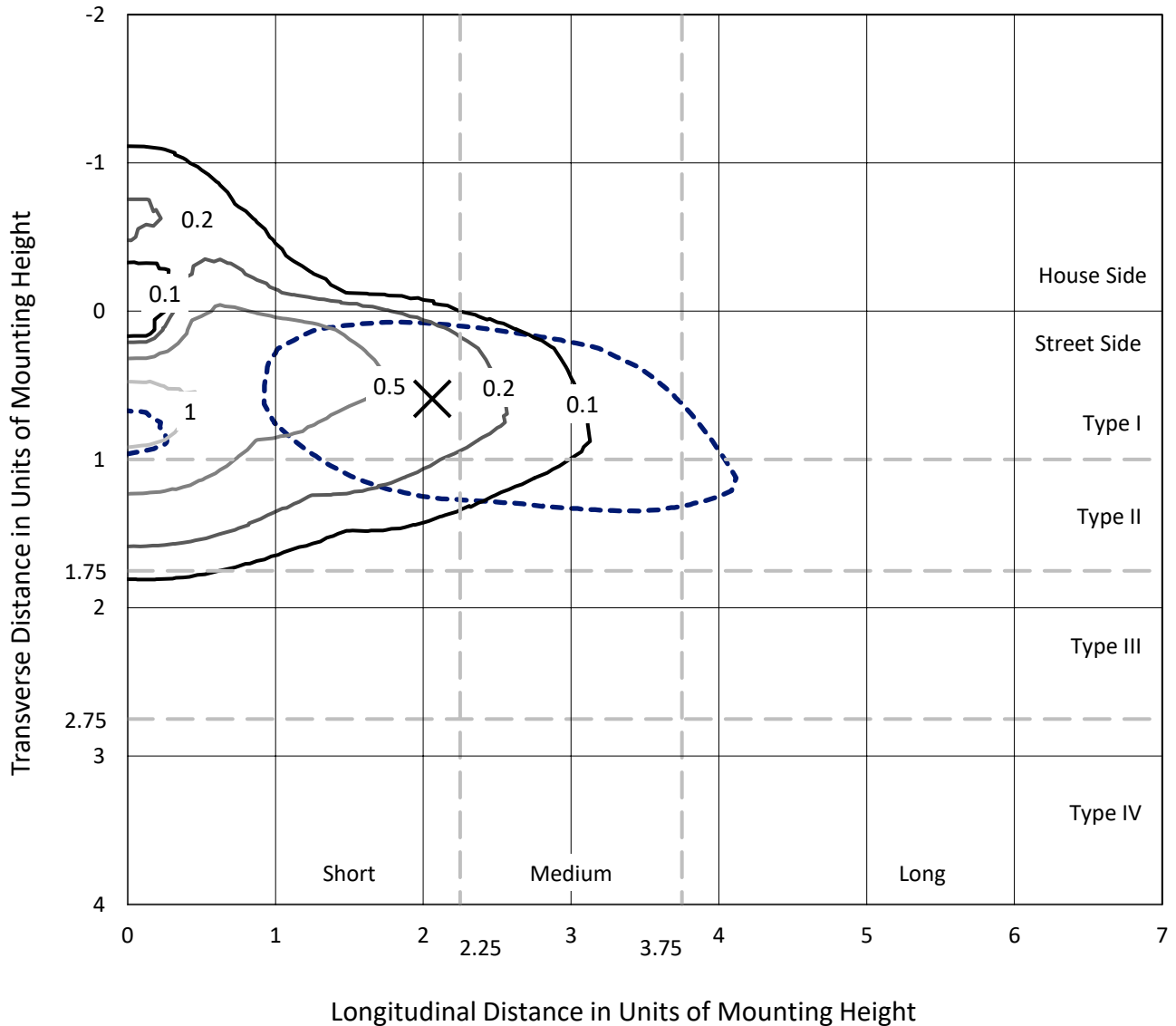
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694775
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

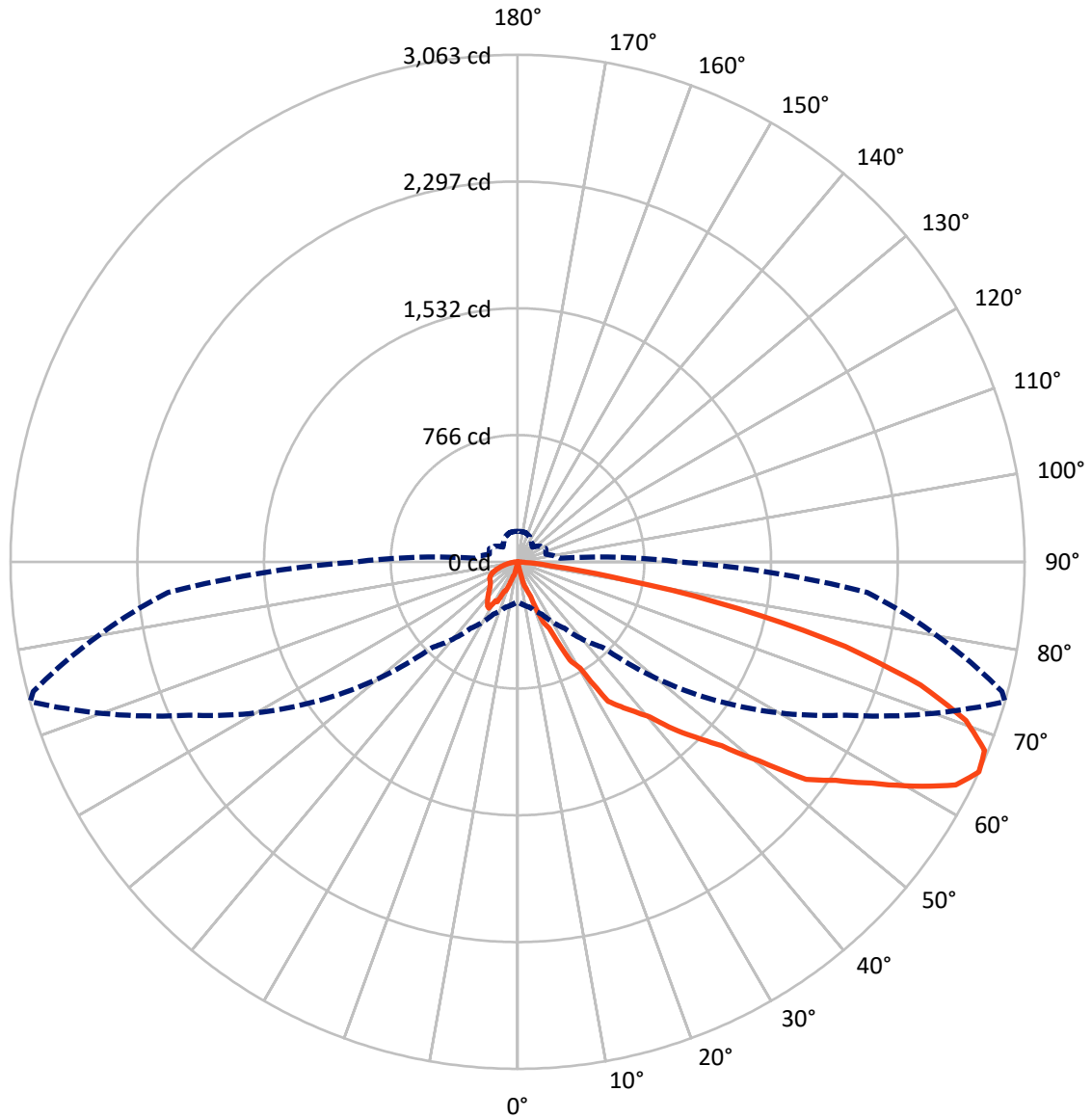
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

REPORT NUMBER: P694775
CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P694775
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R

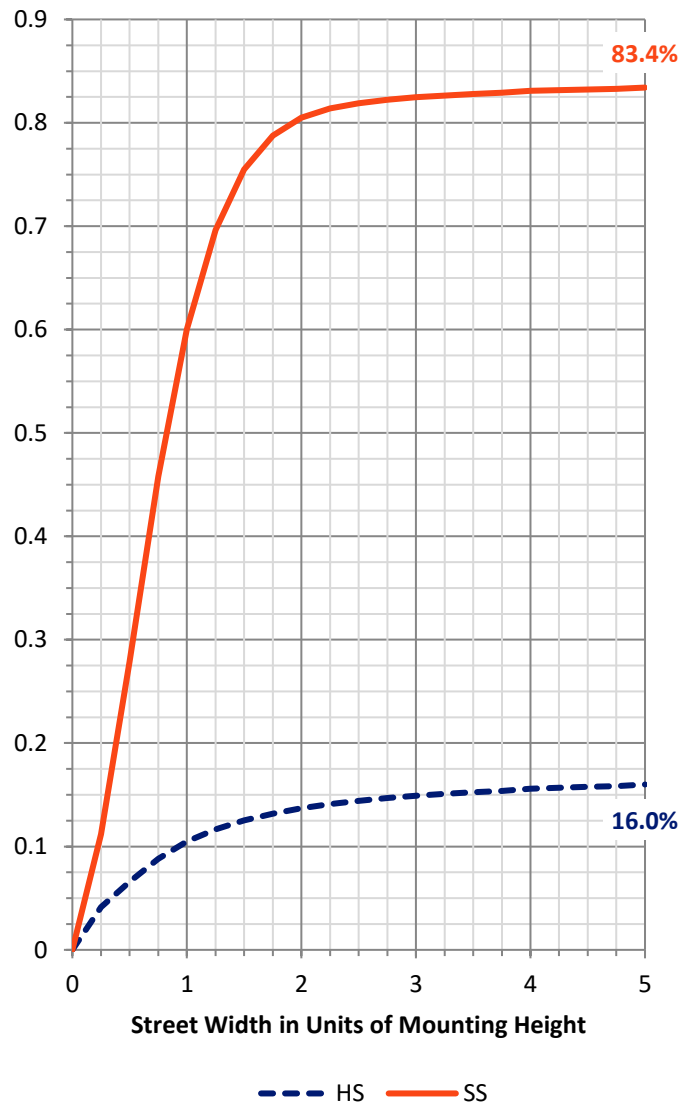
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	510.3	0.0	510.3
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	2603.7	0.0	2603.7
	% Fixture	83.6	0.0	83.6
Total	Lumens	3114.0	0.0	3114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	30.4	1.0
20°-30°	183.6	5.9
30°-40°	444.6	14.3
40°-50°	623.2	20.0
50°-60°	736.2	23.6
60°-70°	675.2	21.7
70°-80°	365.8	11.7
80°-90°	54.8	1.8
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°	3114.0	100.0
0°-180°	3114.0	100.0

Coefficient of Utilization

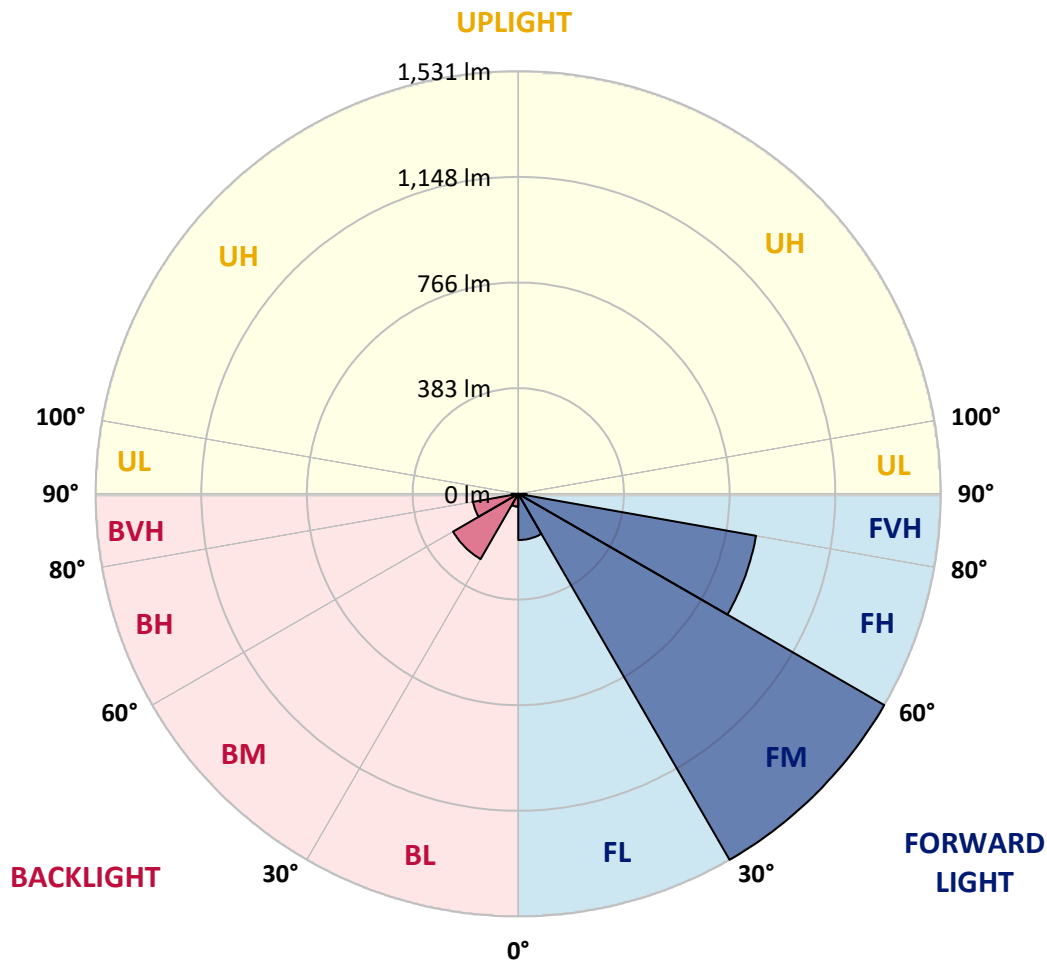


REPORT NUMBER: P694775
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.5	5.4			
FM (30°-60°)	1531.1	49.2			
FH (60°-80°)	874.8	28.1			G1/1800
FVH (80°-90°)	30.3	1.0			G1/100
BL (0°-30°)	46.7	1.5	B0/110		
BM (30°-60°)	272.9	8.8	B1/1000		
BH (60°-80°)	166.2	5.3	B1/500		G1/500
BVH (80°-90°)	24.5	0.8			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 II Short



REPORT NUMBER: P694775
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10°	15.2	14.1	10.9	6.5	3.3	1.1	1.1	1.1	1.1	1.1	1.1
12.5°	187.2	187.2	185.0	169.7	21.8	7.6	2.2	5.4	10.9	13.1	14.1
15°	212.2	210.0	210.0	207.8	202.4	46.8	20.7	163.2	149.1	144.7	111.0
17.5°	327.5	369.9	251.3	233.9	227.4	187.2	178.4	192.6	170.8	167.6	128.4
20°	498.3	498.3	495.1	489.6	264.4	364.5	342.7	220.9	224.1	269.8	255.7
22.5°	557.1	554.9	544.0	536.4	576.7	395.0	372.1	405.9	396.1	392.8	300.3
25°	894.4	884.6	869.4	611.5	631.1	554.9	552.7	519.0	443.9	436.3	344.9
27.5°	978.2	970.6	957.5	872.6	721.4	729.0	578.9	622.4	672.4	676.8	517.9
30°	1394.9	1383.0	1232.8	967.3	914.0	794.3	808.4	788.9	744.3	726.8	559.3
32.5°	1489.6	1483.1	1454.8	1262.2	993.4	941.2	905.3	870.5	1004.3	981.5	786.7
35°	1564.7	1552.7	1524.4	1310.1	1214.3	1093.5	989.1	1094.6	1075.0	1053.3	829.1
37.5°	1606.0	1593.0	1564.7	1363.4	1273.1	1147.9	1173.0	1161.0	1147.9	1139.2	874.8
40°	1598.4	1587.5	1570.1	1398.2	1309.0	1181.7	1262.2	1243.7	1232.8	1278.5	931.4
42.5°	1562.5	1551.6	1539.6	1415.6	1329.6	1206.7	1337.3	1362.3	1383.0	1374.3	994.5
45°	1488.5	1478.7	1478.7	1398.2	1318.8	1227.4	1402.5	1484.2	1513.5	1480.9	1076.1
47.5°	1411.3	1403.6	1404.7	1350.3	1298.1	1246.9	1483.1	1583.2	1660.4	1621.3	1193.6
50°	1304.6	1301.4	1317.7	1304.6	1273.1	1249.1	1571.2	1747.5	1891.1	1878.0	1372.1
52.5°	1147.9	1150.1	1195.8	1225.2	1223.0	1233.9	1612.5	1905.2	2182.7	2147.9	1509.2
55°	1013.0	1005.4	1042.4	1109.8	1132.7	1207.8	1635.4	1947.7	2331.8	2298.0	1625.6
57.5°	843.3	844.4	885.7	955.3	1017.4	1146.8	1655.0	2024.9	2523.3	2484.1	1787.7
60°	631.1	652.9	698.6	769.3	859.6	1045.7	1651.7	2130.5	2752.9	2727.8	1973.8
62.5°	412.4	420.0	484.2	553.8	693.1	915.1	1595.1	2206.6	2970.5	2924.8	2096.7
65°	240.5	254.6	284.0	350.4	488.6	732.3	1459.1	2191.4	3063.0	3029.2	2119.6
67.5°	162.1	164.3	178.4	216.5	305.8	526.6	1231.7	2047.8	3042.3	3011.8	2056.5
70°	136.0	137.1	141.5	145.8	176.3	340.6	893.3	1761.6	2872.6	2849.7	1903.1
72.5°	121.9	123.0	125.1	121.9	124.0	196.9	586.5	1461.3	2545.0	2516.7	1648.5
75°	111.0	111.0	111.0	108.8	105.5	120.8	326.4	1121.8	2045.6	1985.8	1253.5
77.5°	96.8	96.8	95.8	95.8	94.7	90.3	159.9	792.1	1375.3	1316.6	739.9
80°	79.4	79.4	79.4	80.5	79.4	67.5	86.0	476.6	665.9	652.9	286.2
82.5°	47.9	49.0	55.5	64.2	63.1	47.9	57.7	219.8	202.4	190.4	89.2
85°	6.5	5.4	15.2	21.8	26.1	17.4	23.9	50.1	46.8	49.0	21.8
87.5°	0.0	0.0	0.0	1.1	1.1	2.2	3.3	3.3	3.3	3.3	3.3
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: P694775
 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	0.0
5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	17.4	16.3	10.9	4.4	0.0	0.0	0.0	0.0	0.0	1.1	1.1
15°	99.0	90.3	82.7	69.6	14.1	2.2	1.1	7.6	17.4	39.2	40.3
17.5°	113.2	102.3	92.5	86.0	77.3	22.8	16.3	79.4	83.8	83.8	83.8
20°	218.7	193.7	133.8	96.8	83.8	69.6	76.2	86.0	89.2	90.3	90.3
22.5°	251.3	217.6	188.2	165.4	96.8	119.7	112.1	93.6	146.9	151.2	152.3
25°	286.2	245.9	199.1	173.0	164.3	123.0	128.4	144.7	155.6	155.6	155.6
27.5°	420.0	343.8	277.5	199.1	176.3	150.2	157.8	149.1	161.0	196.9	203.5
30°	449.4	359.1	276.4	222.0	187.2	175.2	157.8	194.8	208.9	208.9	207.8
32.5°	613.7	470.1	341.7	220.9	202.4	173.0	189.3	201.3	211.1	225.2	230.7
35°	638.7	469.0	328.6	254.6	199.1	181.7	192.6	214.4	250.3	255.7	252.4
37.5°	658.3	460.3	309.0	242.6	214.4	189.3	198.0	235.0	251.3	249.2	244.8
40°	681.1	448.3	287.3	233.9	206.7	189.3	211.1	233.9	240.5	230.7	228.5
42.5°	709.4	433.1	267.7	223.1	199.1	188.2	208.9	220.9	220.9	218.7	216.5
45°	748.6	418.9	249.2	211.1	195.9	183.9	203.5	203.5	216.5	214.4	213.3
47.5°	817.2	404.8	232.9	201.3	191.5	178.4	189.3	196.9	212.2	211.1	210.0
50°	891.1	389.5	219.8	194.8	187.2	171.9	173.0	190.4	207.8	206.7	205.6
52.5°	937.9	362.3	210.0	192.6	182.8	165.4	167.6	185.0	204.6	202.4	200.2
55°	972.8	338.4	203.5	191.5	178.4	150.2	163.2	180.6	200.2	196.9	194.8
57.5°	1020.6	318.8	199.1	193.7	175.2	139.3	157.8	176.3	195.9	192.6	192.6
60°	1067.4	302.5	194.8	194.8	174.1	133.8	153.4	173.0	191.5	190.4	190.4
62.5°	1066.3	282.9	187.2	193.7	173.0	129.5	150.2	169.7	187.2	188.2	187.2
65°	973.8	257.9	176.3	187.2	165.4	126.2	145.8	169.7	182.8	183.9	183.9
67.5°	856.3	226.3	158.9	176.3	152.3	124.0	142.5	166.5	175.2	180.6	180.6
70°	722.5	186.1	137.1	161.0	139.3	121.9	142.5	161.0	166.5	177.4	176.3
72.5°	591.9	146.9	114.2	140.4	125.1	119.7	143.6	153.4	155.6	169.7	165.4
75°	450.5	111.0	91.4	114.2	107.7	117.5	141.5	142.5	141.5	145.8	139.3
77.5°	292.7	83.8	74.0	87.0	89.2	112.1	137.1	129.5	123.0	119.7	116.4
80°	133.8	59.8	56.6	67.5	66.4	103.4	129.5	115.3	105.5	100.1	95.8
82.5°	54.4	39.2	39.2	49.0	45.7	90.3	116.4	99.0	87.0	82.7	80.5
85°	15.2	16.3	17.4	26.1	27.2	69.6	93.6	77.3	63.1	93.6	86.0
87.5°	2.2	2.2	2.2	3.3	3.3	4.4	13.1	17.4	22.8	9.8	8.7
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)