

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: P694865

Luminaire Tested: **LXF.LXT-PA16-30-740-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694865
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-PA16-30-740-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3704 lumens
Efficiency: N/A
Efficacy: 126.8 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

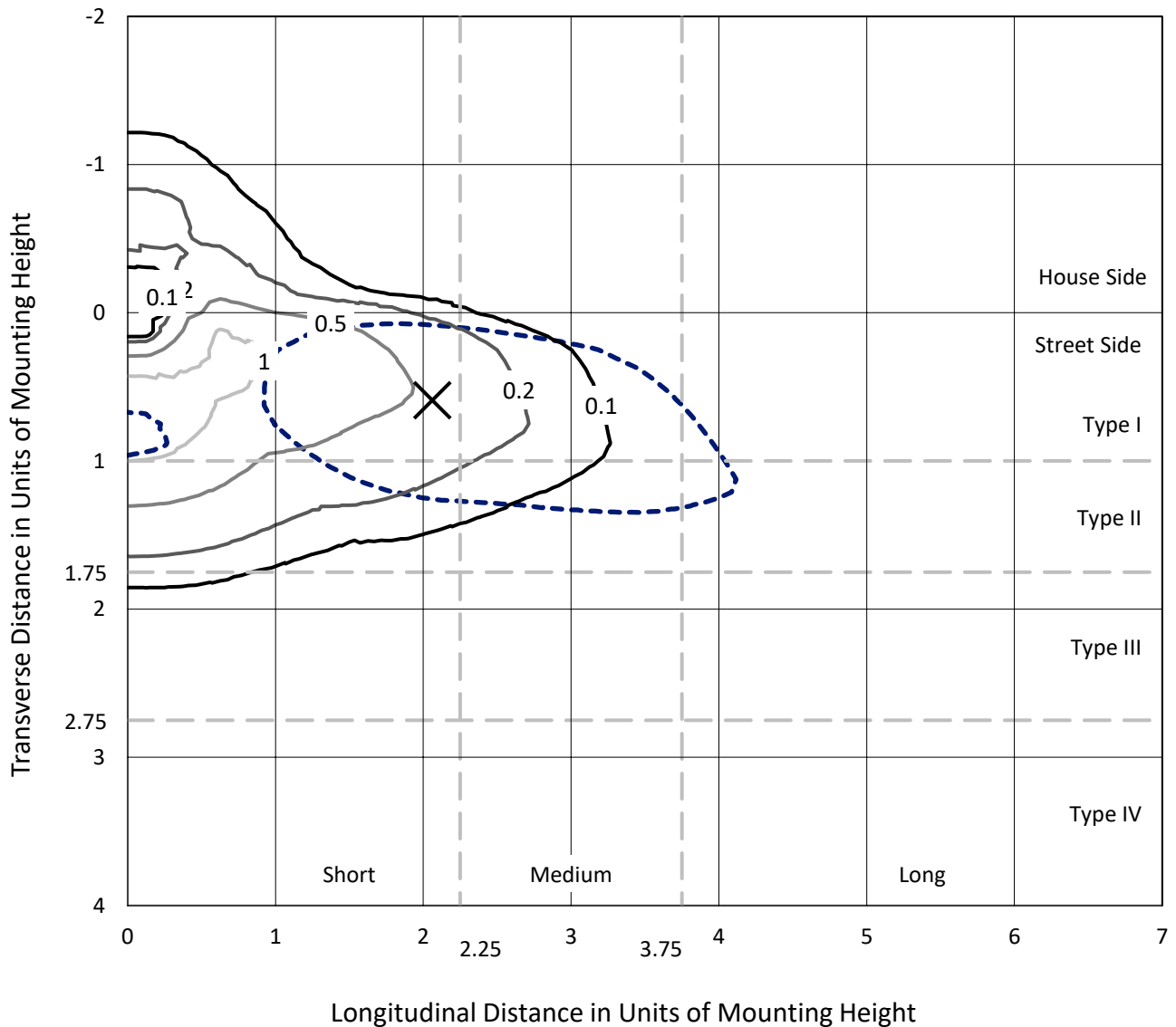
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694865
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

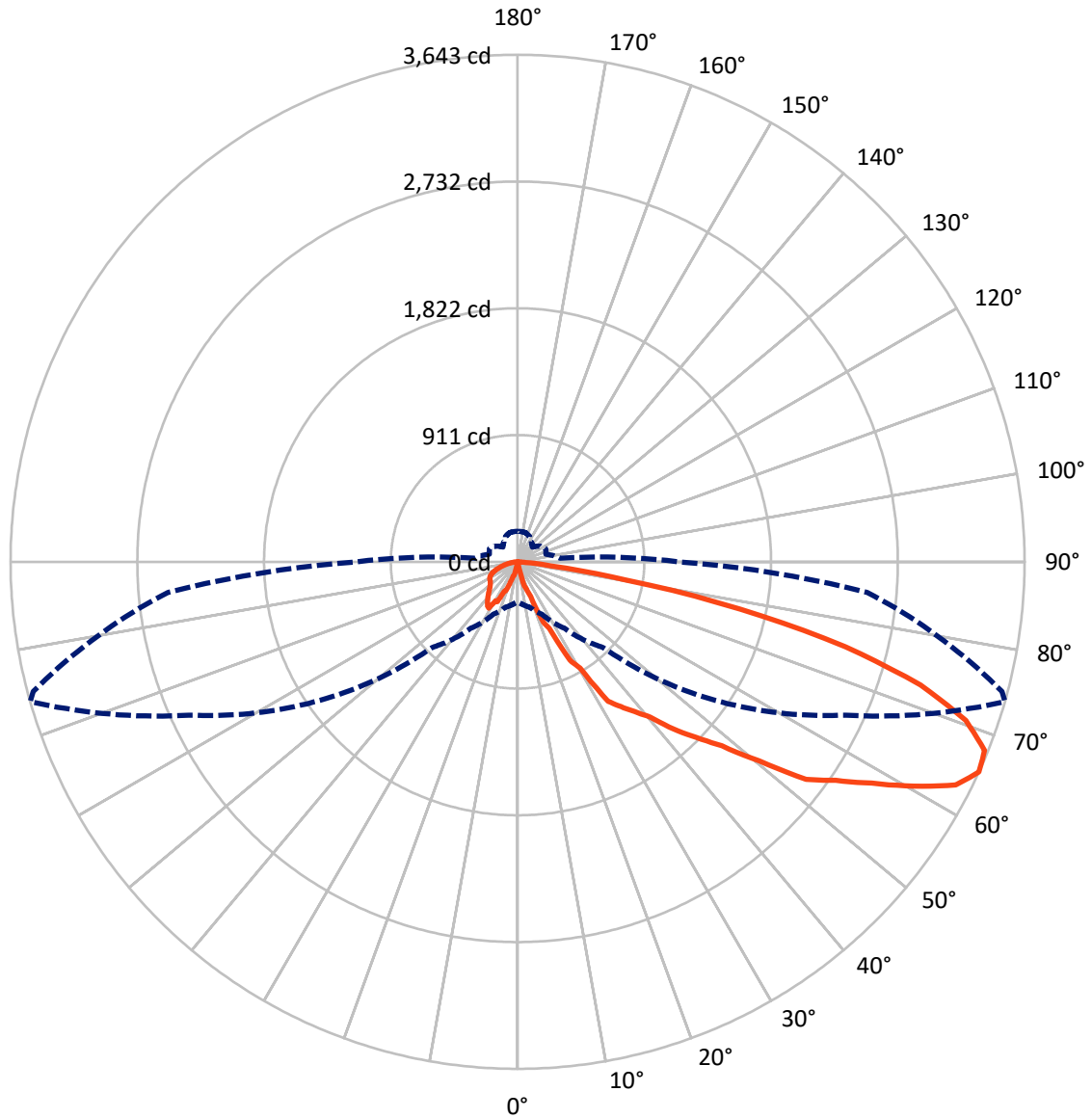
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

REPORT NUMBER: P694865
CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P694865
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2R

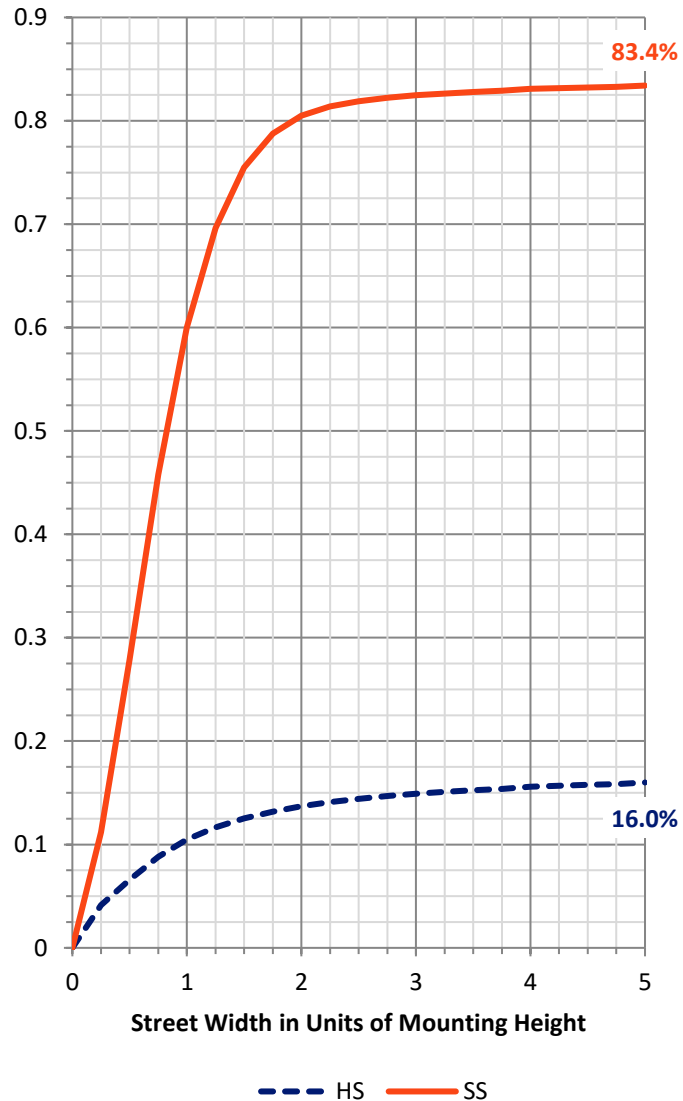
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.9	0.0	606.9
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	3097.1	0.0	3097.1
	% Fixture	83.6	0.0	83.6
Total	Lumens	3704.0	0.0	3704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	36.2	1.0
20°-30°	218.4	5.9
30°-40°	528.9	14.3
40°-50°	741.3	20.0
50°-60°	875.7	23.6
60°-70°	803.1	21.7
70°-80°	435.1	11.7
80°-90°	65.2	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°	3704.0	100.0
0°-180°	3704.0	100.0

Coefficient of Utilization



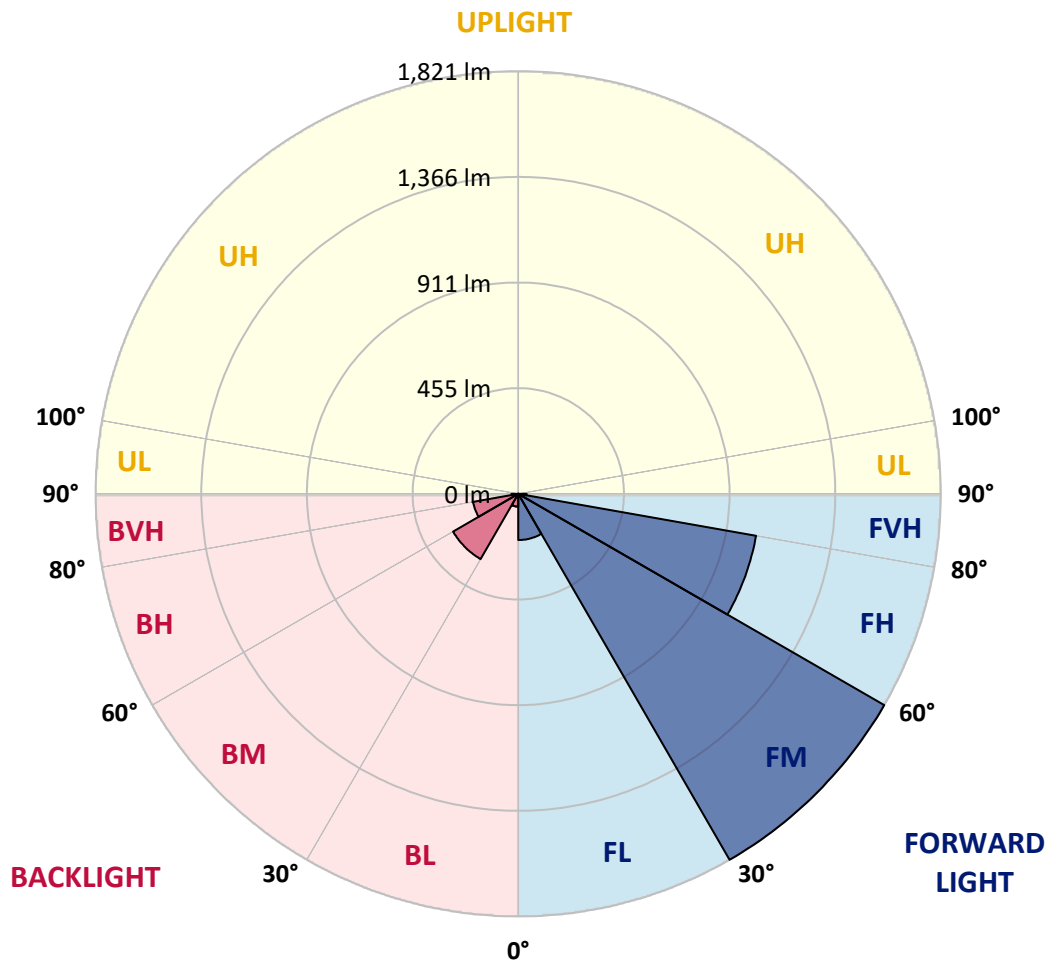
REPORT NUMBER: P694865
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.2	5.4			
FM (30°-60°)	1821.2	49.2			
FH (60°-80°)	1040.5	28.1			G1/1800
FVH (80°-90°)	36.1	1.0			G1/100
BL (0°-30°)	55.5	1.5	B0/110		
BM (30°-60°)	324.6	8.8	B1/1000		
BH (60°-80°)	197.6	5.3	B1/500		G1/500
BVH (80°-90°)	29.2	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: P694865
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
10°	18.1	16.8	12.9	7.8	3.9	1.3	1.3	1.3	1.3	1.3	1.3
12.5°	222.6	222.6	220.0	201.9	25.9	9.1	2.6	6.5	12.9	15.5	16.8
15°	252.4	249.8	249.8	247.2	240.7	55.7	24.6	194.1	177.3	172.1	132.0
17.5°	389.6	440.0	299.0	278.3	270.5	222.6	212.3	229.1	203.2	199.3	152.7
20°	592.8	592.8	588.9	582.4	314.5	433.6	407.7	262.7	266.6	321.0	304.1
22.5°	662.7	660.1	647.1	638.1	685.9	469.8	442.6	482.8	471.1	467.2	357.2
25°	1063.9	1052.2	1034.1	727.4	750.7	660.1	657.5	617.4	528.1	519.0	410.3
27.5°	1163.5	1154.5	1138.9	1038.0	858.1	867.1	688.5	740.3	799.8	805.0	616.1
30°	1659.2	1645.0	1466.4	1150.6	1087.2	944.8	961.6	938.3	885.3	864.6	665.2
32.5°	1771.8	1764.1	1730.4	1501.3	1181.6	1119.5	1076.8	1035.4	1194.6	1167.4	935.7
35°	1861.1	1846.9	1813.2	1558.3	1444.4	1300.7	1176.5	1302.0	1278.7	1252.8	986.2
37.5°	1910.3	1894.8	1861.1	1621.7	1514.3	1365.4	1395.2	1381.0	1365.4	1355.1	1040.6
40°	1901.2	1888.3	1867.6	1663.1	1557.0	1405.5	1501.3	1479.3	1466.4	1520.7	1107.9
42.5°	1858.5	1845.6	1831.4	1683.8	1581.6	1435.3	1590.6	1620.4	1645.0	1634.6	1182.9
45°	1770.5	1758.9	1758.9	1663.1	1568.6	1459.9	1668.3	1765.3	1800.3	1761.5	1280.0
47.5°	1678.6	1669.6	1670.9	1606.2	1544.0	1483.2	1764.1	1883.1	1975.0	1928.4	1419.8
50°	1551.8	1547.9	1567.3	1551.8	1514.3	1485.8	1868.9	2078.6	2249.4	2233.9	1632.0
52.5°	1365.4	1368.0	1422.4	1457.3	1454.7	1467.7	1918.1	2266.2	2596.3	2554.8	1795.1
55°	1204.9	1195.9	1239.9	1320.1	1347.3	1436.6	1945.2	2316.7	2773.6	2733.4	1933.6
57.5°	1003.0	1004.3	1053.5	1136.3	1210.1	1364.1	1968.5	2408.6	3001.4	2954.8	2126.4
60°	750.7	776.5	830.9	915.0	1022.5	1243.8	1964.7	2534.1	3274.4	3244.7	2347.8
62.5°	490.5	499.6	575.9	658.8	824.4	1088.5	1897.4	2624.7	3533.3	3478.9	2494.0
65°	286.0	302.9	337.8	416.7	581.1	871.0	1735.6	2606.6	3643.3	3603.2	2521.2
67.5°	192.8	195.4	212.3	257.6	363.7	626.4	1465.1	2435.8	3618.7	3582.5	2446.1
70°	161.8	163.1	168.3	173.4	209.7	405.1	1062.6	2095.4	3416.8	3389.6	2263.6
72.5°	145.0	146.2	148.8	145.0	147.5	234.3	697.6	1738.2	3027.2	2993.6	1960.8
75°	132.0	132.0	132.0	129.4	125.5	143.7	388.3	1334.4	2433.2	2362.0	1491.0
77.5°	115.2	115.2	113.9	113.9	112.6	107.4	190.3	942.2	1635.9	1566.0	880.1
80°	94.5	94.5	94.5	95.8	94.5	80.2	102.2	566.9	792.1	776.5	340.4
82.5°	56.9	58.2	66.0	76.4	75.1	56.9	68.6	261.4	240.7	226.5	106.1
85°	7.8	6.5	18.1	25.9	31.1	20.7	28.5	59.5	55.7	58.2	25.9
87.5°	0.0	0.0	0.0	1.3	1.3	2.6	3.9	3.9	3.9	3.9	3.9
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: P694865
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	0.0
5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	20.7	19.4	12.9	5.2	0.0	0.0	0.0	0.0	0.0	1.3	1.3
15°	117.8	107.4	98.4	82.8	16.8	2.6	1.3	9.1	20.7	46.6	47.9
17.5°	134.6	121.7	110.0	102.2	91.9	27.2	19.4	94.5	99.7	99.7	99.7
20°	260.1	230.4	159.2	115.2	99.7	82.8	90.6	102.2	106.1	107.4	107.4
22.5°	299.0	258.8	223.9	196.7	115.2	142.4	133.3	111.3	174.7	179.9	181.2
25°	340.4	292.5	236.8	205.8	195.4	146.2	152.7	172.1	185.1	185.1	185.1
27.5°	499.6	409.0	330.0	236.8	209.7	178.6	187.7	177.3	191.5	234.3	242.0
30°	534.5	427.1	328.7	264.0	222.6	208.4	187.7	231.7	248.5	248.5	247.2
32.5°	730.0	559.1	406.4	262.7	240.7	205.8	225.2	239.4	251.1	267.9	274.4
35°	759.7	557.8	390.9	302.9	236.8	216.1	229.1	255.0	297.7	304.1	300.3
37.5°	783.0	547.5	367.6	288.6	255.0	225.2	235.6	279.6	299.0	296.4	291.2
40°	810.2	533.2	341.7	278.3	245.9	225.2	251.1	278.3	286.0	274.4	271.8
42.5°	843.8	515.1	318.4	265.3	236.8	223.9	248.5	262.7	262.7	260.1	257.6
45°	890.4	498.3	296.4	251.1	233.0	218.7	242.0	242.0	257.6	255.0	253.7
47.5°	972.0	481.5	277.0	239.4	227.8	212.3	225.2	234.3	252.4	251.1	249.8
50°	1060.0	463.3	261.4	231.7	222.6	204.5	205.8	226.5	247.2	245.9	244.6
52.5°	1115.6	431.0	249.8	229.1	217.4	196.7	199.3	220.0	243.3	240.7	238.1
55°	1157.1	402.5	242.0	227.8	212.3	178.6	194.1	214.8	238.1	234.3	231.7
57.5°	1214.0	379.2	236.8	230.4	208.4	165.7	187.7	209.7	233.0	229.1	229.1
60°	1269.7	359.8	231.7	231.7	207.1	159.2	182.5	205.8	227.8	226.5	226.5
62.5°	1268.4	336.5	222.6	230.4	205.8	154.0	178.6	201.9	222.6	223.9	222.6
65°	1158.3	306.7	209.7	222.6	196.7	150.1	173.4	201.9	217.4	218.7	218.7
67.5°	1018.6	269.2	189.0	209.7	181.2	147.5	169.5	198.0	208.4	214.8	214.8
70°	859.4	221.3	163.1	191.5	165.7	145.0	169.5	191.5	198.0	211.0	209.7
72.5°	704.1	174.7	135.9	167.0	148.8	142.4	170.8	182.5	185.1	201.9	196.7
75°	535.8	132.0	108.7	135.9	128.1	139.8	168.3	169.5	168.3	173.4	165.7
77.5°	348.2	99.7	88.0	103.5	106.1	133.3	163.1	154.0	146.2	142.4	138.5
80°	159.2	71.2	67.3	80.2	78.9	123.0	154.0	137.2	125.5	119.1	113.9
82.5°	64.7	46.6	46.6	58.2	54.4	107.4	138.5	117.8	103.5	98.4	95.8
85°	18.1	19.4	20.7	31.1	32.4	82.8	111.3	91.9	75.1	111.3	102.2
87.5°	2.6	2.6	2.6	3.9	3.9	5.2	15.5	20.7	27.2	11.6	10.4
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)