

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: P694805

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694805
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-PA16-30-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3382 lumens
Efficiency: N/A
Efficacy: 115.8 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

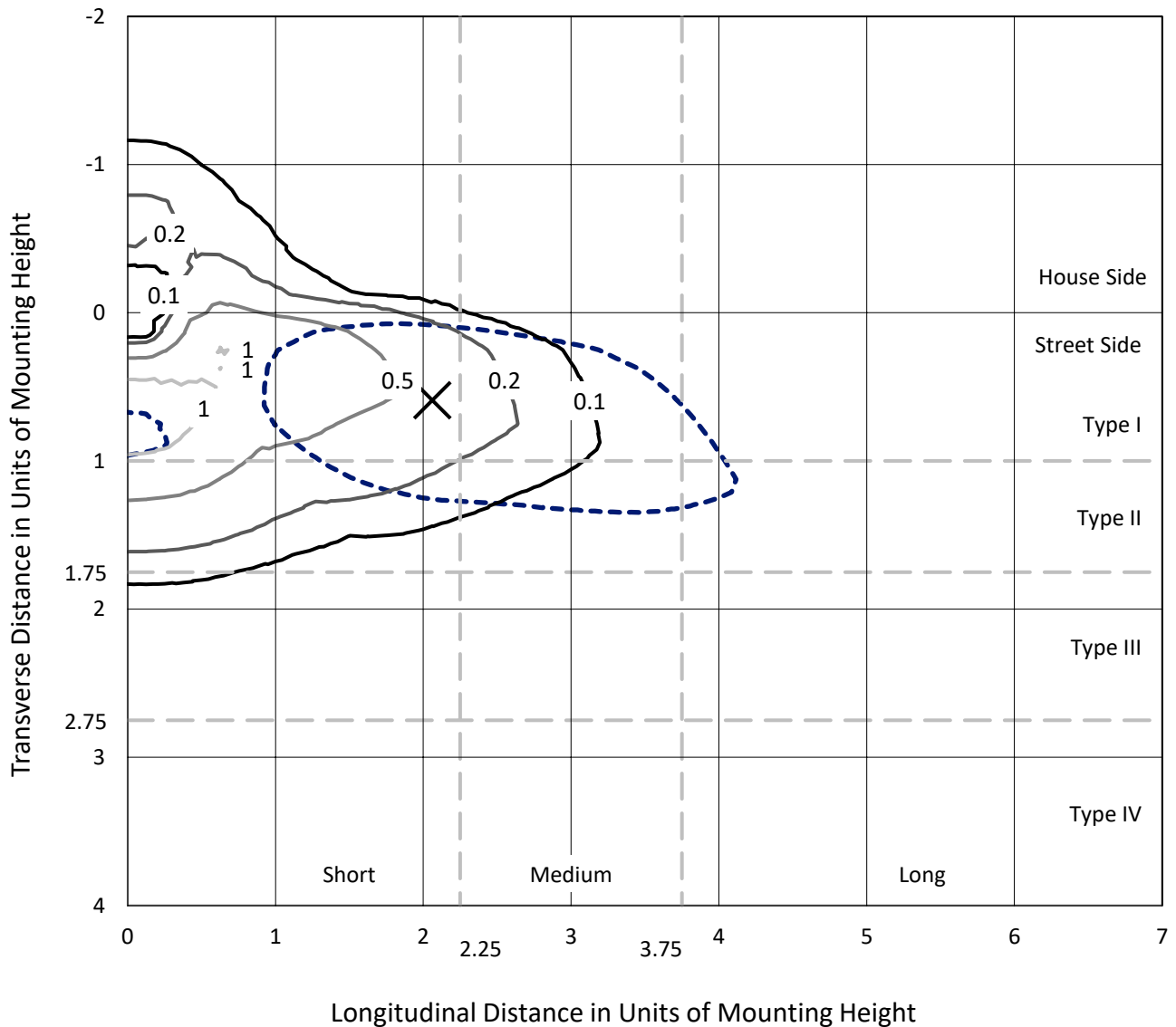
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

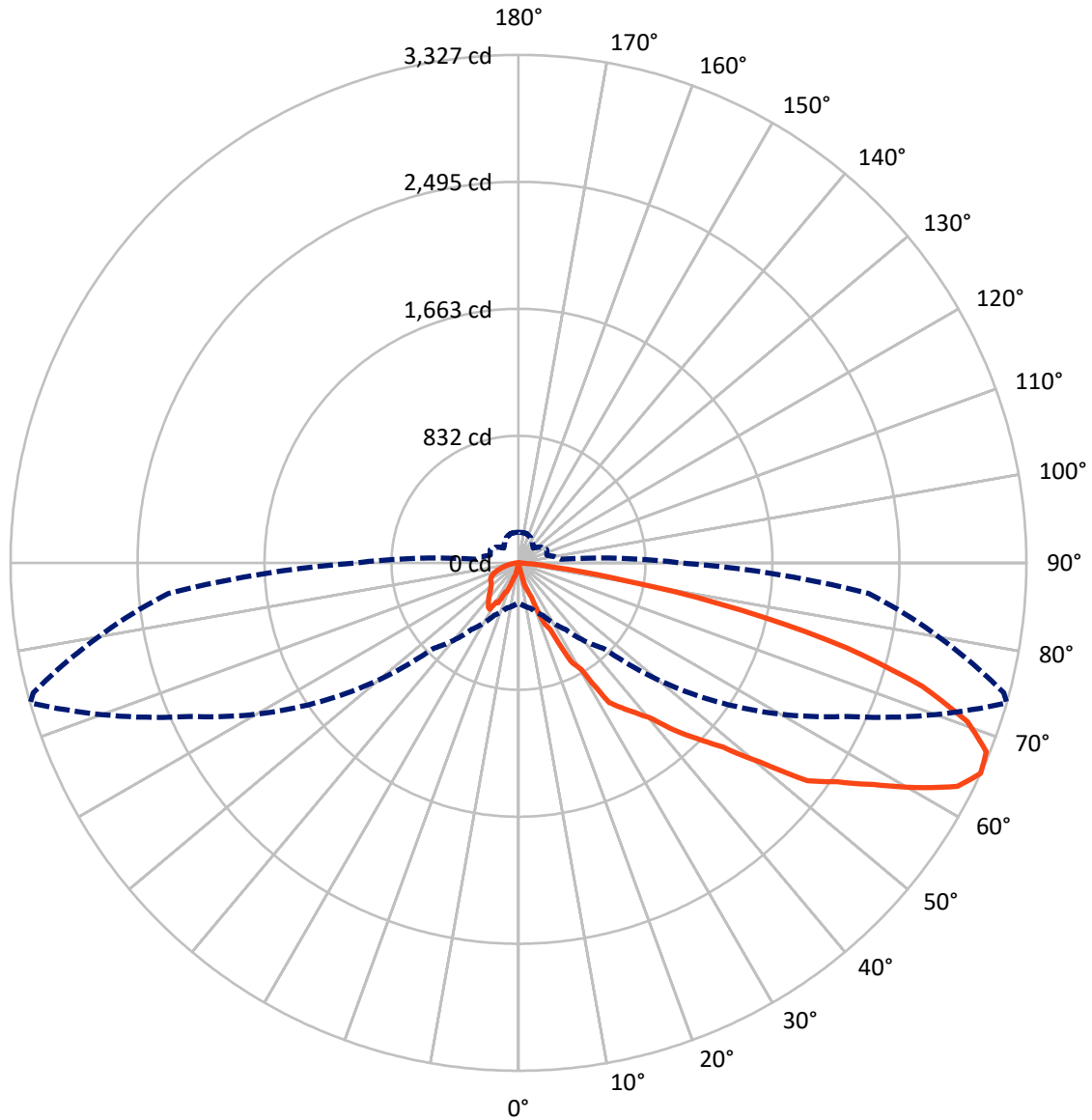
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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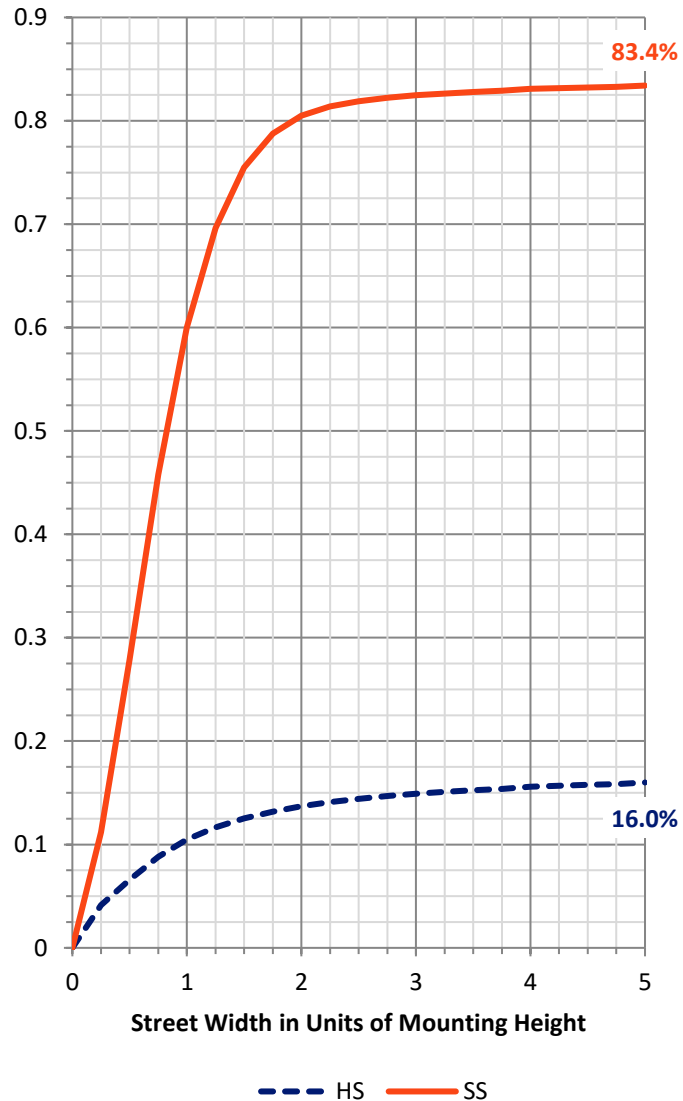
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.2	0.0	554.2
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	2827.8	0.0	2827.8
	% Fixture	83.6	0.0	83.6
Total	Lumens	3382.0	0.0	3382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	33.1	1.0
20°-30°	199.4	5.9
30°-40°	482.9	14.3
40°-50°	676.8	20.0
50°-60°	799.6	23.6
60°-70°	733.3	21.7
70°-80°	397.3	11.7
80°-90°	59.6	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°	3382.0	100.0
0°-180°	3382.0	100.0

Coefficient of Utilization

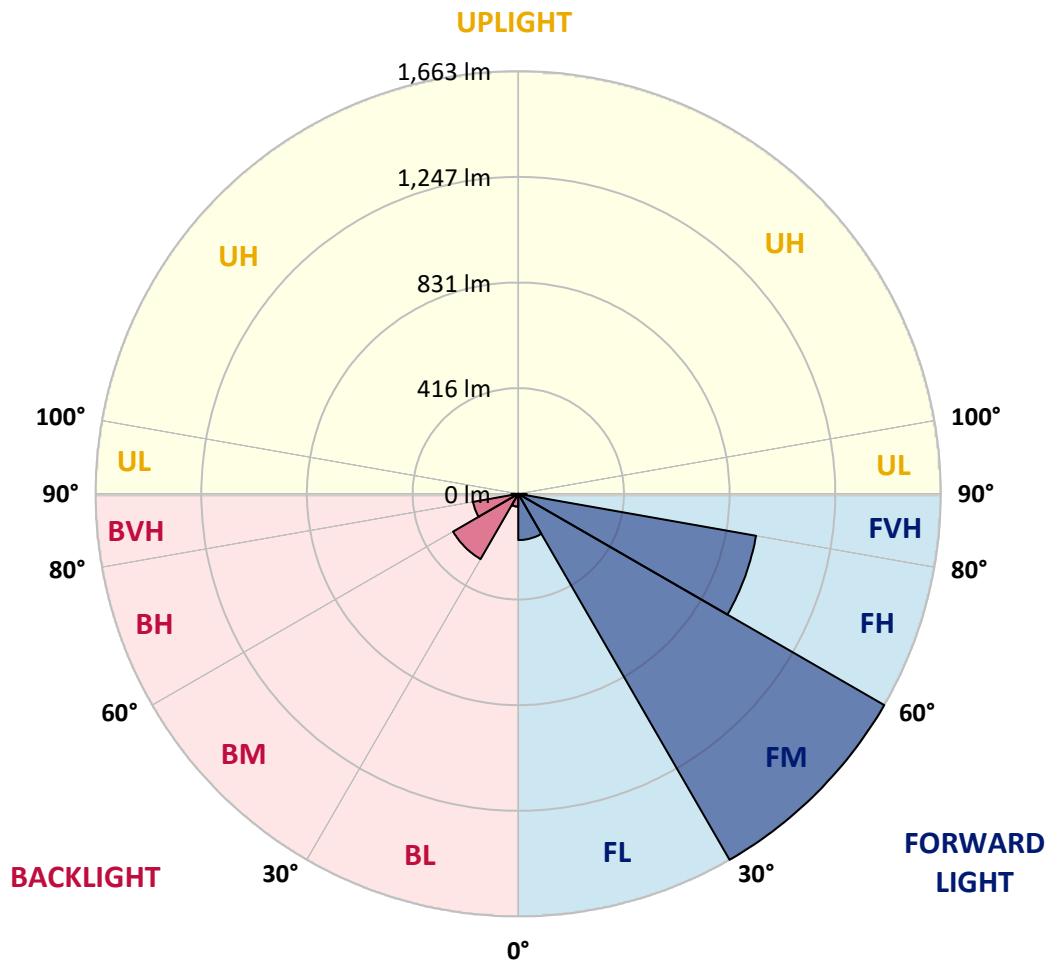


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.9	5.4			
FM (30°-60°)	1662.9	49.2			
FH (60°-80°)	950.1	28.1			G1/1800
FVH (80°-90°)	32.9	1.0			G1/100
BL (0°-30°)	50.7	1.5	B0/110		
BM (30°-60°)	296.4	8.8	B1/1000		
BH (60°-80°)	180.5	5.3	B1/500		G1/500
BVH (80°-90°)	26.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	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	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10°	16.5	15.4	11.8	7.1	3.5	1.2	1.2	1.2	1.2	1.2	1.2
12.5°	203.3	203.3	200.9	184.4	23.6	8.3	2.4	5.9	11.8	14.2	15.4
15°	230.4	228.1	228.1	225.7	219.8	50.8	22.5	177.3	161.9	157.2	120.5
17.5°	355.7	401.8	273.0	254.1	247.0	203.3	193.8	209.2	185.5	182.0	139.4
20°	541.2	541.2	537.7	531.8	287.2	395.9	372.2	239.9	243.4	293.1	277.7
22.5°	605.0	602.7	590.9	582.6	626.3	429.0	404.2	440.8	430.2	426.6	326.2
25°	971.4	960.7	944.2	664.1	685.4	602.7	600.3	563.7	482.1	473.9	374.6
27.5°	1062.4	1054.1	1039.9	947.7	783.5	791.8	628.7	676.0	730.3	735.0	562.5
30°	1515.0	1502.0	1338.9	1050.6	992.7	862.7	878.0	856.8	808.3	789.4	607.4
32.5°	1617.8	1610.7	1580.0	1370.8	1078.9	1022.2	983.2	945.4	1090.7	1065.9	854.4
35°	1699.3	1686.3	1655.6	1422.8	1318.8	1187.6	1074.2	1188.8	1167.6	1143.9	900.5
37.5°	1744.2	1730.1	1699.3	1480.7	1382.6	1246.7	1273.9	1260.9	1246.7	1237.3	950.1
40°	1736.0	1724.1	1705.2	1518.5	1421.6	1283.4	1370.8	1350.7	1338.9	1388.5	1011.6
42.5°	1697.0	1685.1	1672.2	1537.4	1444.1	1310.5	1452.3	1479.5	1502.0	1492.5	1080.1
45°	1616.6	1606.0	1606.0	1518.5	1432.3	1333.0	1523.3	1611.9	1643.8	1608.3	1168.7
47.5°	1532.7	1524.4	1525.6	1466.5	1409.8	1354.3	1610.7	1719.4	1803.3	1760.8	1296.4
50°	1416.9	1413.4	1431.1	1416.9	1382.6	1356.6	1706.4	1897.9	2053.9	2039.7	1490.2
52.5°	1246.7	1249.1	1298.7	1330.6	1328.3	1340.1	1751.3	2069.2	2370.6	2332.7	1639.1
55°	1100.2	1091.9	1132.1	1205.4	1230.2	1311.7	1776.1	2115.3	2532.5	2495.8	1765.5
57.5°	915.8	917.0	961.9	1037.6	1104.9	1245.5	1797.4	2199.2	2740.4	2697.9	1941.6
60°	685.4	709.0	758.7	835.5	933.6	1135.6	1793.9	2313.8	2989.8	2962.6	2143.7
62.5°	447.9	456.1	525.9	601.5	752.8	993.8	1732.4	2396.6	3226.1	3176.5	2277.2
65°	261.2	276.5	308.4	380.5	530.6	795.3	1584.7	2380.0	3326.6	3289.9	2302.0
67.5°	176.1	178.4	193.8	235.2	332.1	572.0	1337.7	2224.0	3304.1	3271.0	2233.5
70°	147.7	148.9	153.6	158.4	191.4	369.9	970.2	1913.2	3119.8	3095.0	2066.8
72.5°	132.4	133.5	135.9	132.4	134.7	213.9	637.0	1587.1	2764.1	2733.3	1790.3
75°	120.5	120.5	120.5	118.2	114.6	131.2	354.5	1218.4	2221.7	2156.7	1361.4
77.5°	105.2	105.2	104.0	104.0	102.8	98.1	173.7	860.3	1493.7	1429.9	803.6
80°	86.3	86.3	86.3	87.4	86.3	73.3	93.4	517.6	723.2	709.0	310.8
82.5°	52.0	53.2	60.3	69.7	68.5	52.0	62.6	238.7	219.8	206.8	96.9
85°	7.1	5.9	16.5	23.6	28.4	18.9	26.0	54.4	50.8	53.2	23.6
87.5°	0.0	0.0	0.0	1.2	1.2	2.4	3.5	3.5	3.5	3.5	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	0.0	0.0	0.0	1.2	1.2	0.0
5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	18.9	17.7	11.8	4.7	0.0	0.0	0.0	0.0	0.0	1.2	1.2
15°	107.5	98.1	89.8	75.6	15.4	2.4	1.2	8.3	18.9	42.5	43.7
17.5°	122.9	111.1	100.4	93.4	83.9	24.8	17.7	86.3	91.0	91.0	91.0
20°	237.5	210.3	145.4	105.2	91.0	75.6	82.7	93.4	96.9	98.1	98.1
22.5°	273.0	236.3	204.4	179.6	105.2	130.0	121.7	101.6	159.5	164.3	165.4
25°	310.8	267.1	216.3	187.9	178.4	133.5	139.4	157.2	169.0	169.0	169.0
27.5°	456.1	373.4	301.3	216.3	191.4	163.1	171.4	161.9	174.9	213.9	221.0
30°	488.1	390.0	300.2	241.1	203.3	190.3	171.4	211.5	226.9	226.9	225.7
32.5°	666.5	510.5	371.1	239.9	219.8	187.9	205.6	218.6	229.3	244.6	250.5
35°	693.7	509.3	356.9	276.5	216.3	197.3	209.2	232.8	271.8	277.7	274.2
37.5°	714.9	499.9	335.6	263.5	232.8	205.6	215.1	255.3	273.0	270.6	265.9
40°	739.8	486.9	312.0	254.1	224.5	205.6	229.3	254.1	261.2	250.5	248.2
42.5°	770.5	470.3	290.7	242.3	216.3	204.4	226.9	239.9	239.9	237.5	235.2
45°	813.0	455.0	270.6	229.3	212.7	199.7	221.0	221.0	235.2	232.8	231.6
47.5°	887.5	439.6	252.9	218.6	208.0	193.8	205.6	213.9	230.4	229.3	228.1
50°	967.8	423.1	238.7	211.5	203.3	186.7	187.9	206.8	225.7	224.5	223.3
52.5°	1018.7	393.5	228.1	209.2	198.5	179.6	182.0	200.9	222.2	219.8	217.4
55°	1056.5	367.5	221.0	208.0	193.8	163.1	177.3	196.2	217.4	213.9	211.5
57.5°	1108.5	346.2	216.3	210.3	190.3	151.3	171.4	191.4	212.7	209.2	209.2
60°	1159.3	328.5	211.5	211.5	189.1	145.4	166.6	187.9	208.0	206.8	206.8
62.5°	1158.1	307.3	203.3	210.3	187.9	140.6	163.1	184.4	203.3	204.4	203.3
65°	1057.7	280.1	191.4	203.3	179.6	137.1	158.4	184.4	198.5	199.7	199.7
67.5°	930.0	245.8	172.5	191.4	165.4	134.7	154.8	180.8	190.3	196.2	196.2
70°	784.7	202.1	148.9	174.9	151.3	132.4	154.8	174.9	180.8	192.6	191.4
72.5°	642.9	159.5	124.1	152.4	135.9	130.0	156.0	166.6	169.0	184.4	179.6
75°	489.2	120.5	99.3	124.1	117.0	127.6	153.6	154.8	153.6	158.4	151.3
77.5°	317.9	91.0	80.4	94.5	96.9	121.7	148.9	140.6	133.5	130.0	126.4
80°	145.4	65.0	61.5	73.3	72.1	112.3	140.6	125.3	114.6	108.7	104.0
82.5°	59.1	42.5	42.5	53.2	49.6	98.1	126.4	107.5	94.5	89.8	87.4
85°	16.5	17.7	18.9	28.4	29.5	75.6	101.6	83.9	68.5	101.6	93.4
87.5°	2.4	2.4	2.4	3.5	3.5	4.7	14.2	18.9	24.8	10.6	9.5
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)