

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: P694550

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2668 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

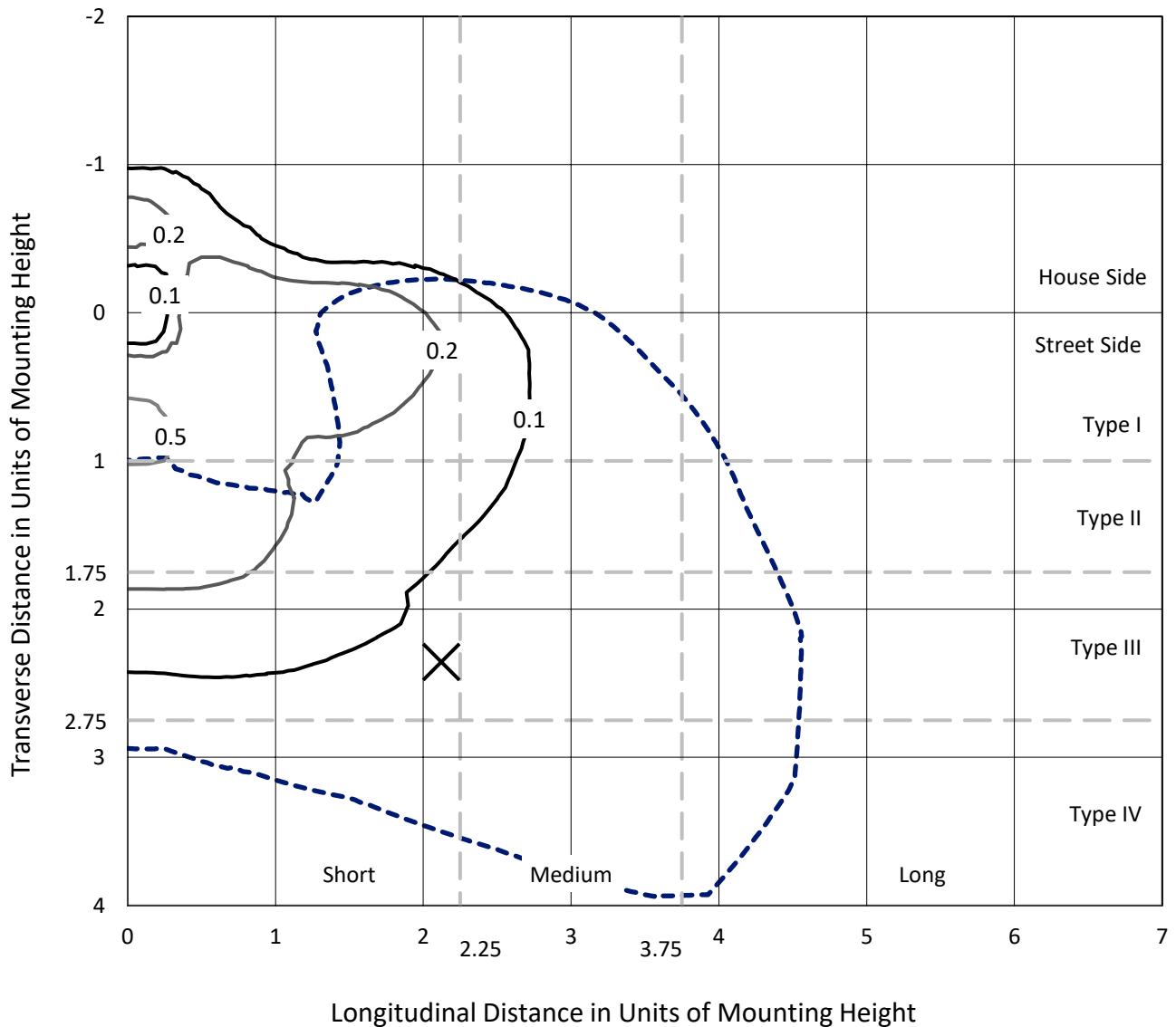
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

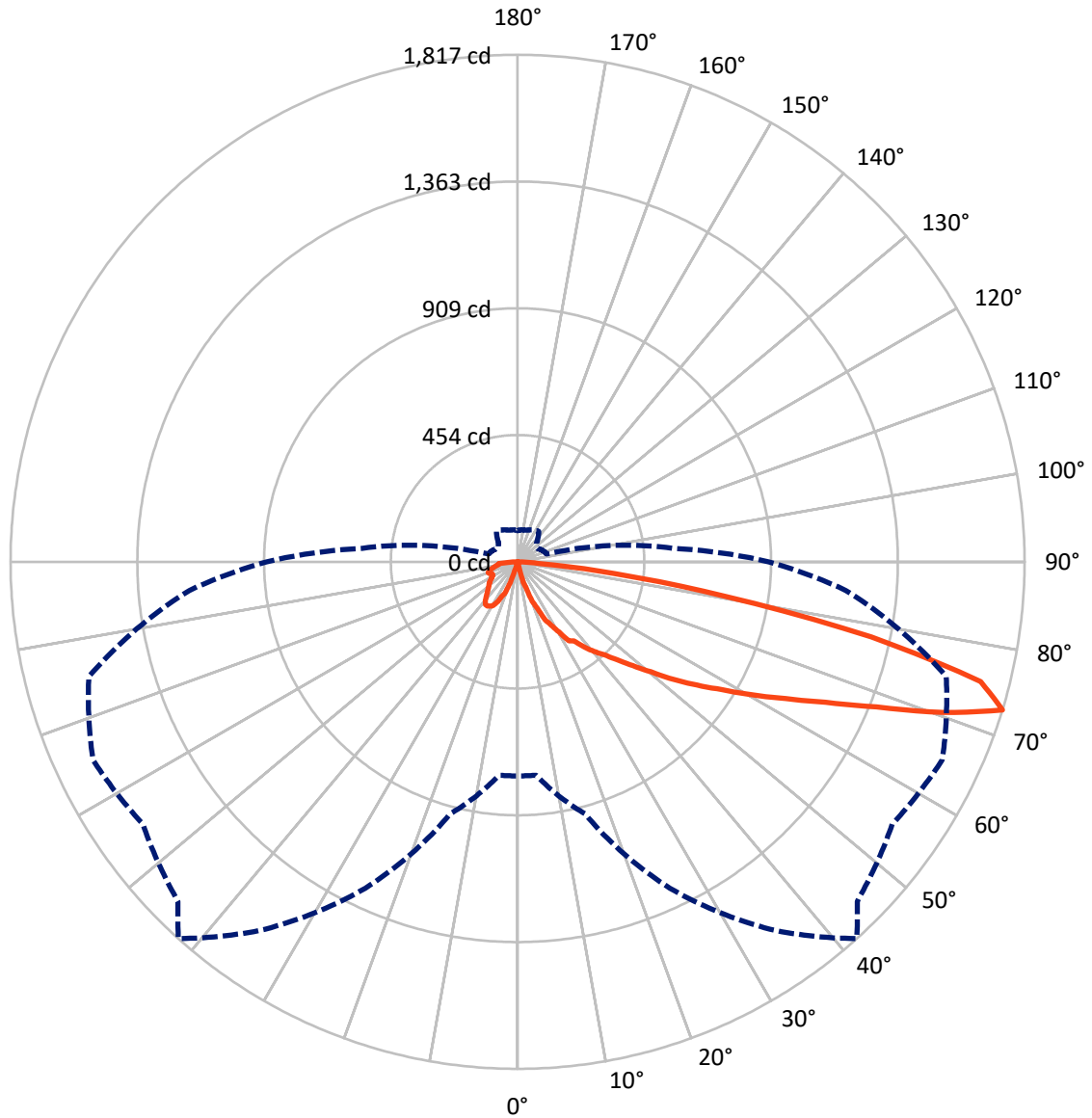
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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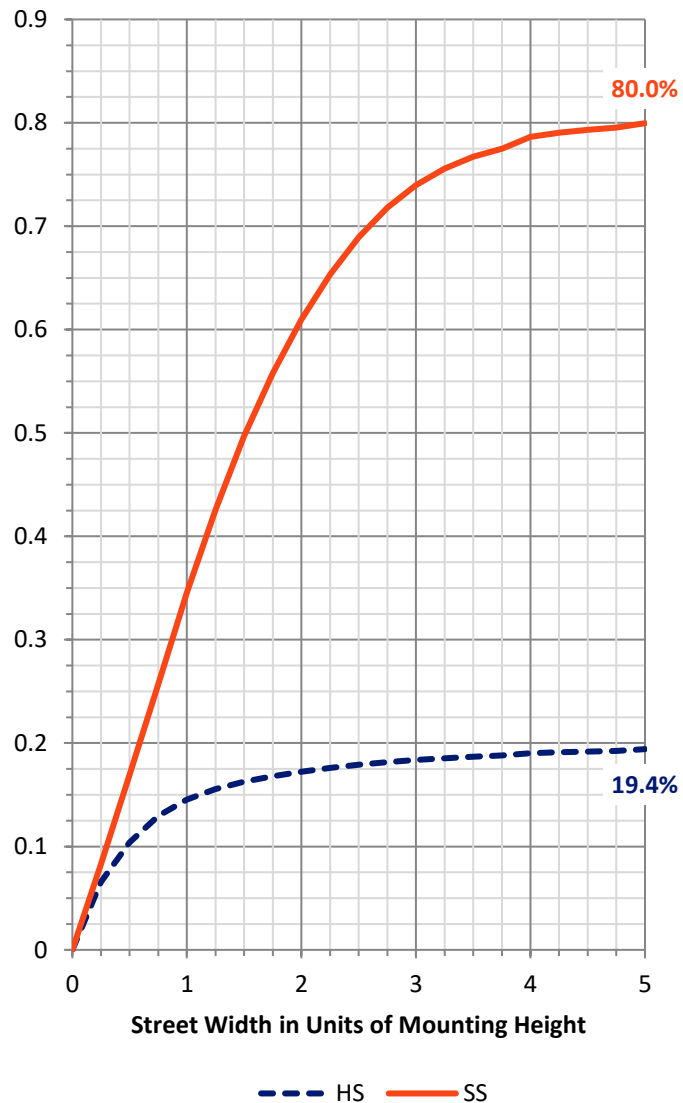
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	532.0	0.0	532.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2136.0	0.0	2136.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	2668.0	0.0	2668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	18.9	0.7
20°-30°	101.3	3.8
30°-40°	229.5	8.6
40°-50°	339.5	12.7
50°-60°	521.9	19.6
60°-70°	765.8	28.7
70°-80°	612.3	22.9
80°-90°	78.8	3.0
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°	2668.0	100.0
0°-180°	2668.0	100.0

Coefficient of Utilization



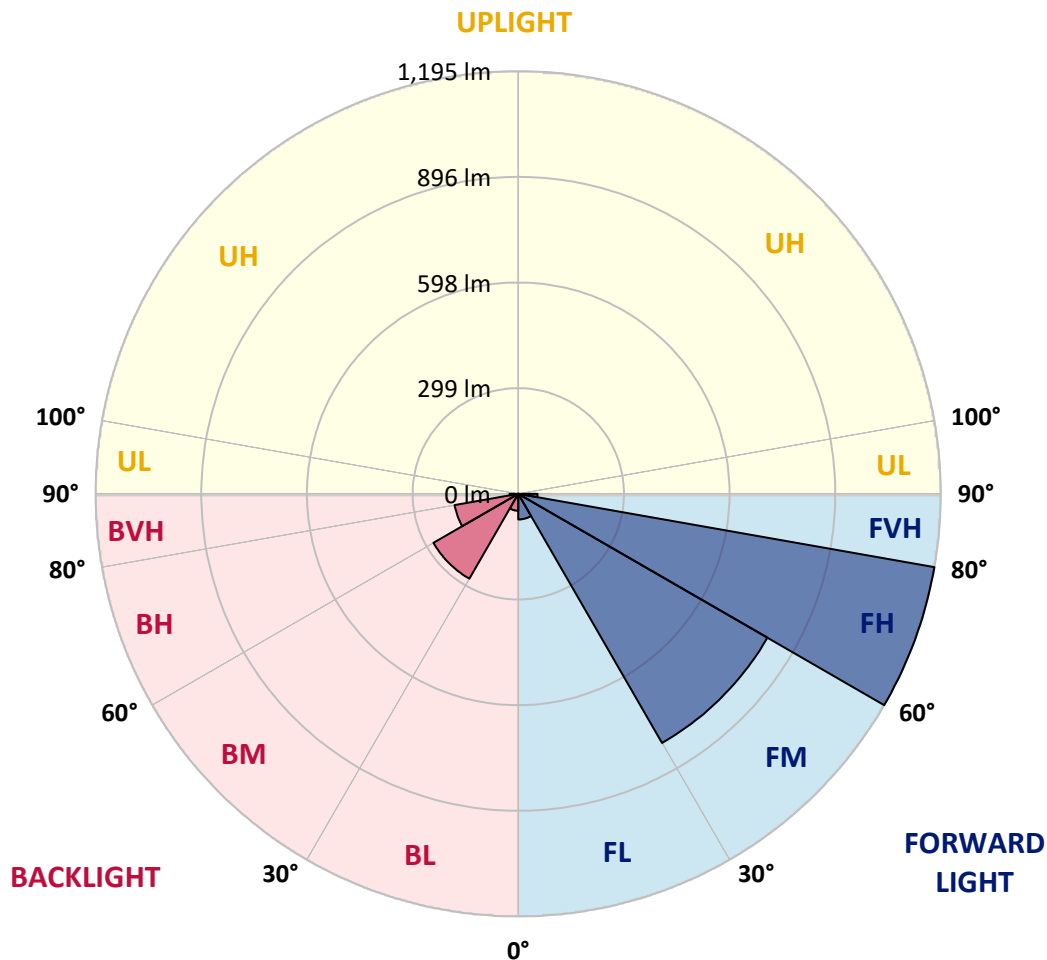
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	72.5	2.7			
FM (30°-60°)	813.8	30.5			
FH (60°-80°)	1195.3	44.8			G1/1800
FVH (80°-90°)	54.4	2.0			G1/100
BL (0°-30°)	47.8	1.8	B0/110		
BM (30°-60°)	277.0	10.4	B1/1000		
BH (60°-80°)	182.8	6.8	B1/500		G1/500
BVH (80°-90°)	24.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
10°	22.8	21.0	18.3	7.3	2.7	0.9	0.9	0.9	0.9	0.9	0.9
12.5°	97.7	97.7	95.0	87.7	20.1	11.0	5.5	1.8	6.4	13.7	17.4
15°	111.4	111.4	107.8	102.3	93.1	77.6	38.4	17.4	75.8	83.1	81.3
17.5°	199.1	183.6	134.2	116.0	104.1	95.0	94.1	86.8	95.0	93.1	91.3
20°	231.0	230.1	221.9	208.2	124.2	151.6	153.4	143.4	109.6	135.2	169.9
22.5°	250.2	246.6	232.0	216.4	228.3	181.7	168.0	158.0	182.6	202.7	198.2
25°	337.9	336.1	324.2	233.8	242.0	231.0	221.9	225.6	232.0	222.8	225.6
27.5°	359.8	355.2	339.7	305.0	263.9	256.6	274.9	246.6	273.0	327.8	321.4
30°	521.4	515.0	433.8	337.0	316.0	292.2	287.7	307.7	331.5	340.6	337.9
32.5°	592.7	585.4	556.1	442.0	340.6	337.9	321.4	334.2	340.6	421.0	447.5
35°	679.4	672.1	634.7	502.3	410.9	347.9	351.6	338.8	401.8	431.0	462.1
37.5°	739.7	732.4	710.5	554.3	457.5	388.1	366.2	378.1	409.1	448.4	479.4
40°	796.3	791.7	778.0	620.1	507.7	421.9	391.8	394.5	424.6	474.9	502.3
42.5°	854.8	852.0	844.7	682.2	553.4	455.7	423.7	414.6	458.4	499.5	536.0
45°	906.8	913.2	909.5	747.0	602.7	500.4	463.9	446.6	499.5	538.8	589.0
47.5°	933.3	933.3	953.4	812.7	655.7	556.1	513.2	491.3	553.4	601.8	663.9
50°	970.7	974.4	976.2	880.3	727.8	620.1	568.0	546.1	609.1	692.2	787.2
52.5°	1069.4	1103.1	1024.6	946.1	818.2	701.3	627.4	603.6	682.2	803.6	945.2
55°	1104.1	1111.4	1089.4	1034.7	894.9	779.9	693.1	672.1	795.4	933.3	1119.6
57.5°	1134.2	1125.1	1153.4	1130.5	995.4	863.9	772.6	760.7	916.9	1076.7	1295.8
60°	1163.4	1167.1	1207.2	1241.0	1087.6	968.0	860.2	888.5	1040.1	1226.4	1462.9
62.5°	1189.0	1198.1	1268.4	1305.9	1168.9	1078.5	976.2	1052.9	1178.0	1374.4	1599.9
65°	1167.1	1179.9	1324.1	1347.9	1279.4	1212.7	1109.5	1217.3	1347.0	1501.3	1686.7
67.5°	1134.2	1146.1	1315.0	1417.3	1406.3	1387.1	1273.0	1374.4	1523.2	1630.1	1682.1
70°	1032.8	1047.4	1221.9	1441.9	1566.1	1617.3	1494.0	1519.6	1656.5	1680.3	1511.3
72.5°	767.1	768.0	936.0	1290.4	1613.6	1817.3	1721.4	1639.2	1679.4	1590.8	1181.7
75°	363.5	358.9	482.2	820.1	1350.6	1714.1	1715.0	1606.3	1515.9	1304.0	760.7
77.5°	106.8	108.7	152.5	338.8	865.7	1295.8	1378.0	1316.8	1155.2	730.6	334.2
80°	53.9	58.4	75.8	117.8	377.2	756.1	861.1	850.2	655.7	243.8	115.1
82.5°	26.5	27.4	41.1	63.9	164.4	351.6	450.2	394.5	209.1	116.9	58.4
85°	7.3	6.4	11.9	21.9	51.1	74.9	90.4	74.0	63.0	49.3	23.7
87.5°	0.0	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
7.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
10°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
12.5°	17.4	15.5	11.9	6.4	1.8	0.9	0.9	0.9	0.9	1.8	1.8
15°	79.4	78.5	77.6	71.2	15.5	2.7	1.8	8.2	28.3	42.9	52.1
17.5°	90.4	89.5	88.6	86.8	80.4	20.1	26.5	72.1	86.8	87.7	88.6
20°	167.1	163.5	123.3	95.9	88.6	80.4	76.7	88.6	92.2	95.0	95.9
22.5°	194.5	190.9	182.6	169.9	102.3	124.2	116.0	96.8	151.6	163.5	165.3
25°	221.0	216.4	197.3	181.7	173.5	132.4	147.0	156.2	171.7	175.3	177.2
27.5°	316.9	305.0	281.3	201.8	189.0	159.8	171.7	165.3	197.3	230.1	232.9
30°	337.0	325.1	292.2	242.0	200.0	184.5	171.7	215.5	238.3	245.7	249.3
32.5°	449.3	437.4	378.1	243.8	212.8	181.7	200.9	220.1	236.5	285.8	290.4
35°	466.6	452.0	383.5	282.2	205.5	189.0	199.1	228.3	272.1	288.6	291.3
37.5°	485.8	469.4	378.1	264.8	218.3	189.9	194.5	224.6	250.2	257.5	261.2
40°	515.0	490.4	368.9	245.7	205.5	179.0	189.0	206.4	221.0	218.3	221.0
42.5°	554.3	516.0	354.3	223.7	189.9	164.4	175.3	186.3	195.4	187.2	185.4
45°	603.6	552.5	337.9	204.6	173.5	151.6	161.6	170.8	177.2	162.5	160.7
47.5°	674.9	594.5	317.8	184.5	159.8	141.5	150.7	157.1	160.7	147.0	144.3
50°	771.7	650.2	295.0	168.0	147.9	132.4	143.4	147.0	144.3	134.2	132.4
52.5°	893.1	735.1	272.1	155.2	137.9	126.0	136.1	135.2	132.4	125.1	124.2
55°	1044.7	848.4	253.0	146.1	129.7	119.6	126.9	126.9	126.0	119.6	119.6
57.5°	1203.6	955.2	230.1	137.9	120.5	110.5	119.6	121.5	120.5	116.0	115.1
60°	1336.0	1042.9	196.3	130.6	110.5	103.2	113.2	116.9	116.0	111.4	110.5
62.5°	1411.8	1056.6	161.6	120.5	102.3	96.8	109.6	115.1	121.5	124.2	124.2
65°	1427.3	1000.9	138.8	113.2	96.8	95.0	113.2	129.7	135.2	138.8	140.6
67.5°	1364.3	884.9	125.1	108.7	93.1	98.6	128.8	137.9	132.4	130.6	130.6
70°	1189.9	734.2	115.1	103.2	88.6	103.2	134.2	131.5	124.2	126.0	125.1
72.5°	900.4	558.9	107.8	97.7	84.0	95.9	132.4	126.0	116.9	115.1	111.4
75°	545.2	327.8	99.5	91.3	73.1	84.9	126.9	120.5	111.4	107.8	105.0
77.5°	210.9	151.6	90.4	84.0	63.0	74.9	117.8	115.1	105.9	98.6	97.7
80°	89.5	80.4	77.6	74.0	53.9	64.8	105.9	106.8	93.1	84.0	81.3
82.5°	50.2	49.3	60.3	60.3	44.7	57.5	95.9	95.9	82.2	76.7	70.3
85°	16.4	19.2	32.0	36.5	32.9	53.9	93.1	88.6	71.2	59.4	56.6
87.5°	1.8	1.8	3.7	7.3	8.2	13.7	26.5	31.0	21.9	18.3	18.3
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)