

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: P694535

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694535
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-PA16-20-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2613 lumens
Efficiency: N/A
Efficacy: 119.9 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

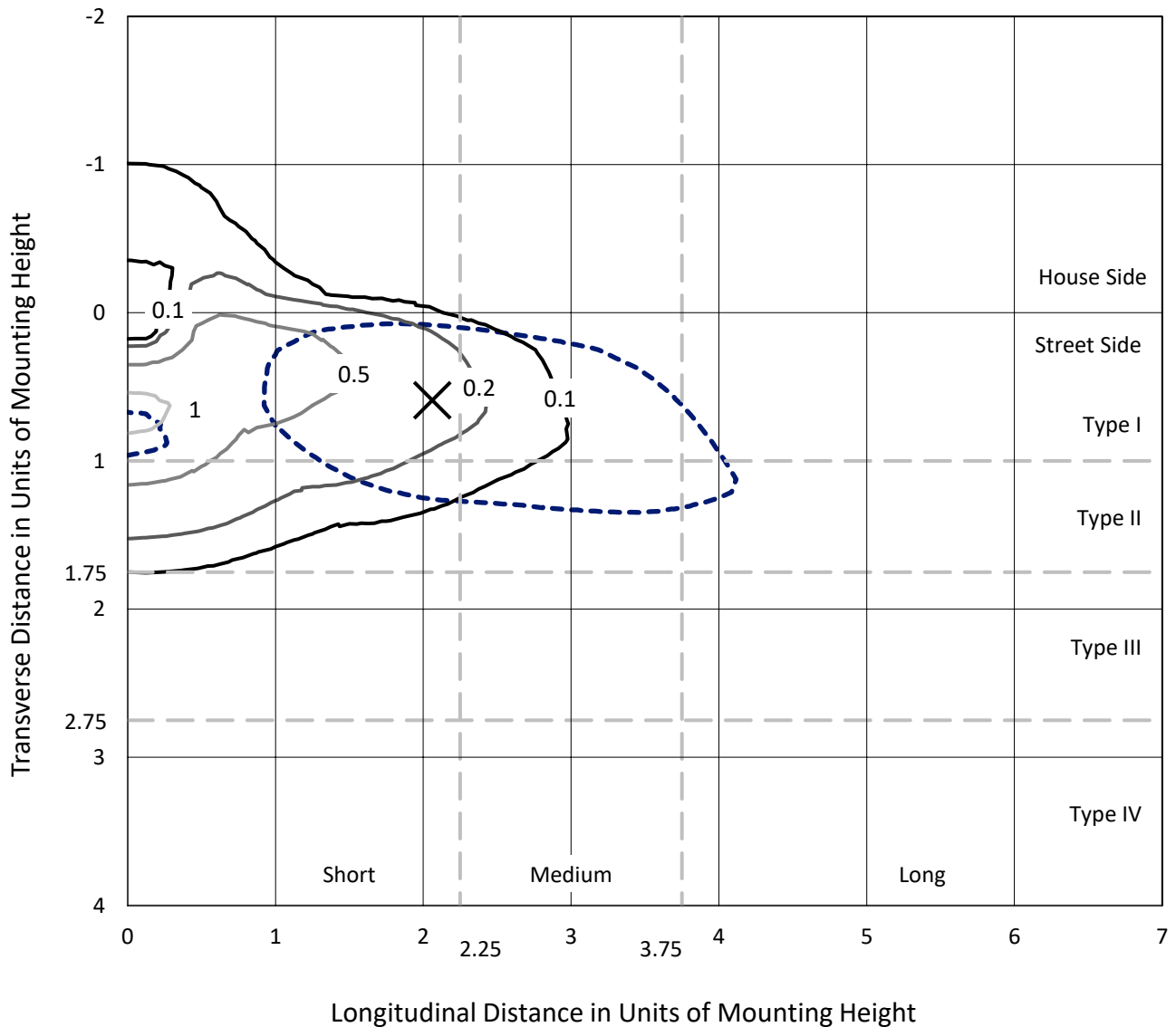
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

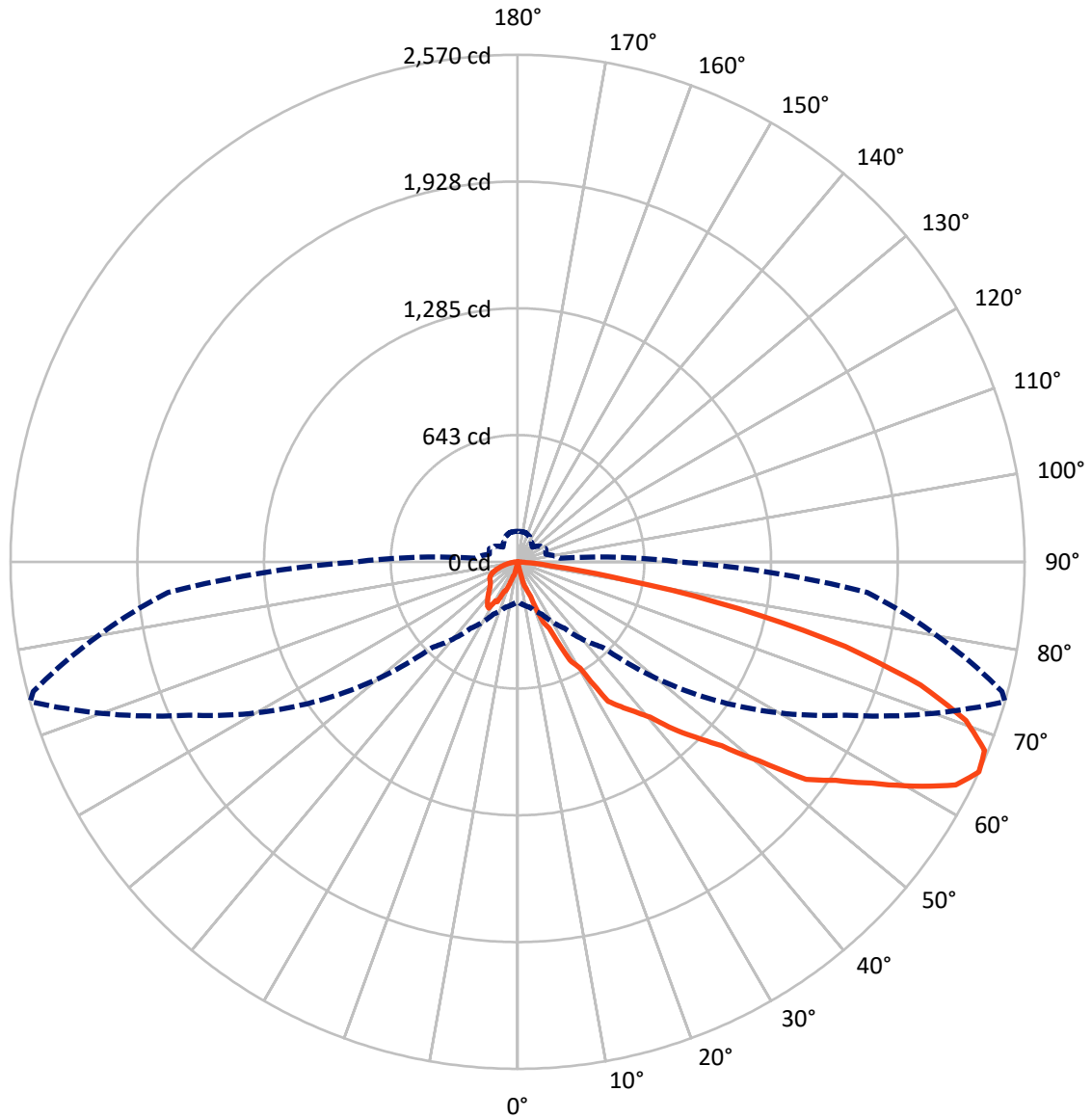
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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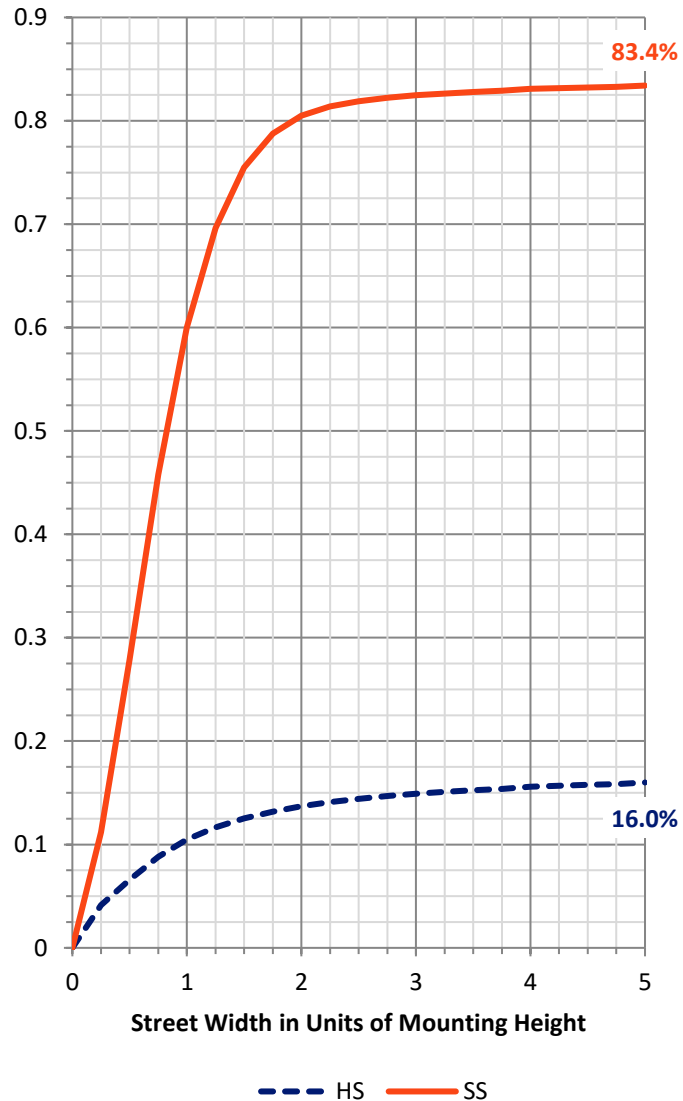
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	428.2	0.0	428.2
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	2184.8	0.0	2184.8
	% Fixture	83.6	0.0	83.6
Total	Lumens	2613.0	0.0	2613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	25.5	1.0
20°-30°	154.1	5.9
30°-40°	373.1	14.3
40°-50°	522.9	20.0
50°-60°	617.8	23.6
60°-70°	566.6	21.7
70°-80°	306.9	11.7
80°-90°	46.0	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°	2613.0	100.0
0°-180°	2613.0	100.0

Coefficient of Utilization

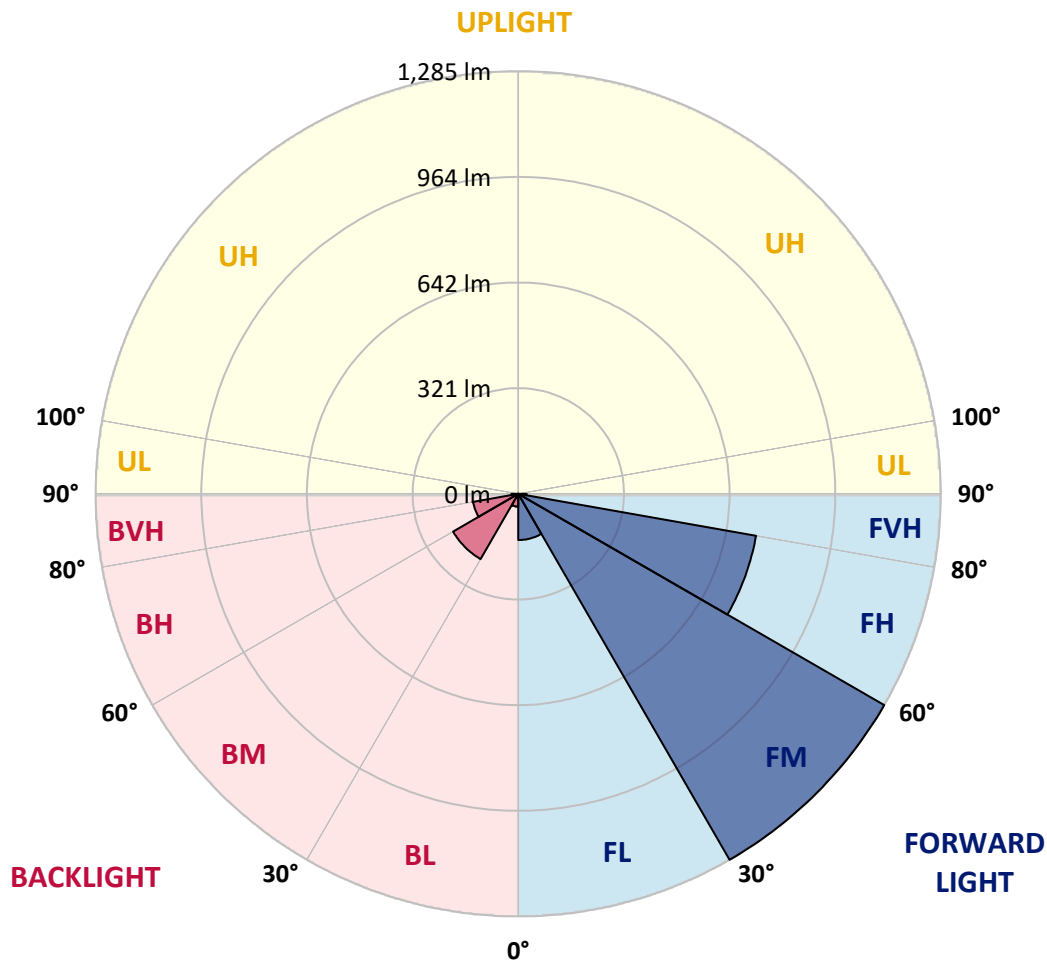


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.5	5.4			
FM (30°-60°)	1284.8	49.2			
FH (60°-80°)	734.1	28.1			G1/1800
FVH (80°-90°)	25.4	1.0			G1/100
BL (0°-30°)	39.2	1.5	B0/110		
BM (30°-60°)	229.0	8.8	B1/1000		
BH (60°-80°)	139.4	5.3	B1/500		G1/500
BVH (80°-90°)	20.6	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°	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	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.0	0.0	0.0	0.0	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°	12.8	11.9	9.1	5.5	2.7	0.9	0.9	0.9	0.9	0.9	0.9
12.5°	157.0	157.0	155.2	142.4	18.3	6.4	1.8	4.6	9.1	11.0	11.9
15°	178.0	176.2	176.2	174.4	169.8	39.3	17.3	137.0	125.1	121.4	93.1
17.5°	274.8	310.4	210.9	196.3	190.8	157.0	149.7	161.6	143.3	140.6	107.7
20°	418.2	418.2	415.4	410.9	221.9	305.9	287.6	185.3	188.1	226.4	214.6
22.5°	467.5	465.6	456.5	450.1	483.9	331.4	312.3	340.6	332.3	329.6	252.0
25°	750.5	742.3	729.5	513.1	529.6	465.6	463.8	435.5	372.5	366.1	289.4
27.5°	820.8	814.4	803.5	732.2	605.3	611.7	485.7	522.3	564.3	567.9	434.6
30°	1170.5	1160.5	1034.5	811.7	766.9	666.5	678.4	661.9	624.5	609.9	469.3
32.5°	1249.9	1244.5	1220.7	1059.1	833.6	789.8	759.6	730.4	842.7	823.6	660.1
35°	1312.9	1302.9	1279.2	1099.3	1018.9	917.6	829.9	918.5	902.1	883.8	695.7
37.5°	1347.6	1336.7	1312.9	1144.0	1068.2	963.2	984.2	974.2	963.2	955.9	734.1
40°	1341.2	1332.1	1317.5	1173.2	1098.4	991.5	1059.1	1043.6	1034.5	1072.8	781.6
42.5°	1311.1	1302.0	1291.9	1187.9	1115.7	1012.5	1122.1	1143.1	1160.5	1153.2	834.5
45°	1249.0	1240.8	1240.8	1173.2	1106.6	1029.9	1176.9	1245.4	1270.0	1242.6	903.0
47.5°	1184.2	1177.8	1178.7	1133.1	1089.2	1046.3	1244.5	1328.5	1393.3	1360.4	1001.6
50°	1094.7	1092.0	1105.7	1094.7	1068.2	1048.2	1318.4	1466.3	1586.8	1575.9	1151.3
52.5°	963.2	965.1	1003.4	1028.1	1026.2	1035.4	1353.1	1598.7	1831.5	1802.3	1266.4
55°	850.0	843.6	874.7	931.3	950.5	1013.5	1372.3	1634.3	1956.6	1928.3	1364.1
57.5°	707.6	708.5	743.2	801.6	853.7	962.3	1388.7	1699.1	2117.3	2084.4	1500.1
60°	529.6	547.8	586.2	645.5	721.3	877.4	1386.0	1787.7	2310.0	2289.0	1656.2
62.5°	346.0	352.4	406.3	464.7	581.6	767.9	1338.5	1851.6	2492.6	2454.2	1759.4
65°	201.8	213.6	238.3	294.0	410.0	614.5	1224.4	1838.8	2570.2	2541.9	1778.6
67.5°	136.0	137.9	149.7	181.7	256.6	441.9	1033.5	1718.3	2552.8	2527.3	1725.6
70°	114.1	115.0	118.7	122.3	147.9	285.8	749.6	1478.2	2410.4	2391.2	1596.9
72.5°	102.3	103.2	105.0	102.3	104.1	165.3	492.1	1226.2	2135.6	2111.8	1383.2
75°	93.1	93.1	93.1	91.3	88.6	101.3	273.9	941.3	1716.5	1666.3	1051.8
77.5°	81.3	81.3	80.3	80.3	79.4	75.8	134.2	664.7	1154.1	1104.8	620.9
80°	66.7	66.7	66.7	67.6	66.7	56.6	72.1	399.9	558.8	547.8	240.1
82.5°	40.2	41.1	46.6	53.9	53.0	40.2	48.4	184.4	169.8	159.8	74.9
85°	5.5	4.6	12.8	18.3	21.9	14.6	20.1	42.0	39.3	41.1	18.3
87.5°	0.0	0.0	0.0	0.9	0.9	1.8	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	0.0	0.0	0.0	0.9	0.9	0.0
5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	14.6	13.7	9.1	3.7	0.0	0.0	0.0	0.0	0.0	0.9	0.9
15°	83.1	75.8	69.4	58.4	11.9	1.8	0.9	6.4	14.6	32.9	33.8
17.5°	95.0	85.8	77.6	72.1	64.8	19.2	13.7	66.7	70.3	70.3	70.3
20°	183.5	162.5	112.3	81.3	70.3	58.4	63.9	72.1	74.9	75.8	75.8
22.5°	210.9	182.6	158.0	138.8	81.3	100.4	94.0	78.5	123.3	126.9	127.8
25°	240.1	206.3	167.1	145.2	137.9	103.2	107.7	121.4	130.6	130.6	130.6
27.5°	352.4	288.5	232.8	167.1	147.9	126.0	132.4	125.1	135.1	165.3	170.7
30°	377.1	301.3	231.9	186.3	157.0	147.0	132.4	163.4	175.3	175.3	174.4
32.5°	514.9	394.4	286.7	185.3	169.8	145.2	158.9	168.9	177.1	189.0	193.6
35°	535.9	393.5	275.7	213.6	167.1	152.5	161.6	179.9	210.0	214.6	211.8
37.5°	552.4	386.2	259.3	203.6	179.9	158.9	166.2	197.2	210.9	209.1	205.4
40°	571.6	376.2	241.0	196.3	173.5	158.9	177.1	196.3	201.8	193.6	191.7
42.5°	595.3	363.4	224.6	187.2	167.1	158.0	175.3	185.3	185.3	183.5	181.7
45°	628.2	351.5	209.1	177.1	164.3	154.3	170.7	170.7	181.7	179.9	179.0
47.5°	685.7	339.6	195.4	168.9	160.7	149.7	158.9	165.3	178.0	177.1	176.2
50°	747.8	326.9	184.4	163.4	157.0	144.3	145.2	159.8	174.4	173.5	172.6
52.5°	787.0	304.0	176.2	161.6	153.4	138.8	140.6	155.2	171.6	169.8	168.0
55°	816.2	284.0	170.7	160.7	149.7	126.0	137.0	151.6	168.0	165.3	163.4
57.5°	856.4	267.5	167.1	162.5	147.0	116.9	132.4	147.9	164.3	161.6	161.6
60°	895.7	253.8	163.4	163.4	146.1	112.3	128.7	145.2	160.7	159.8	159.8
62.5°	894.8	237.4	157.0	162.5	145.2	108.7	126.0	142.4	157.0	158.0	157.0
65°	817.2	216.4	147.9	157.0	138.8	105.9	122.3	142.4	153.4	154.3	154.3
67.5°	718.6	189.9	133.3	147.9	127.8	104.1	119.6	139.7	147.0	151.6	151.6
70°	606.3	156.1	115.0	135.1	116.9	102.3	119.6	135.1	139.7	148.8	147.9
72.5°	496.7	123.3	95.9	117.8	105.0	100.4	120.5	128.7	130.6	142.4	138.8
75°	378.0	93.1	76.7	95.9	90.4	98.6	118.7	119.6	118.7	122.3	116.9
77.5°	245.6	70.3	62.1	73.0	74.9	94.0	115.0	108.7	103.2	100.4	97.7
80°	112.3	50.2	47.5	56.6	55.7	86.7	108.7	96.8	88.6	84.0	80.3
82.5°	45.7	32.9	32.9	41.1	38.3	75.8	97.7	83.1	73.0	69.4	67.6
85°	12.8	13.7	14.6	21.9	22.8	58.4	78.5	64.8	53.0	78.5	72.1
87.5°	1.8	1.8	1.8	2.7	2.7	3.7	11.0	14.6	19.2	8.2	7.3
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)