

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: P694540

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
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-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2742 lumens
Efficiency: N/A
Efficacy: 125.8 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

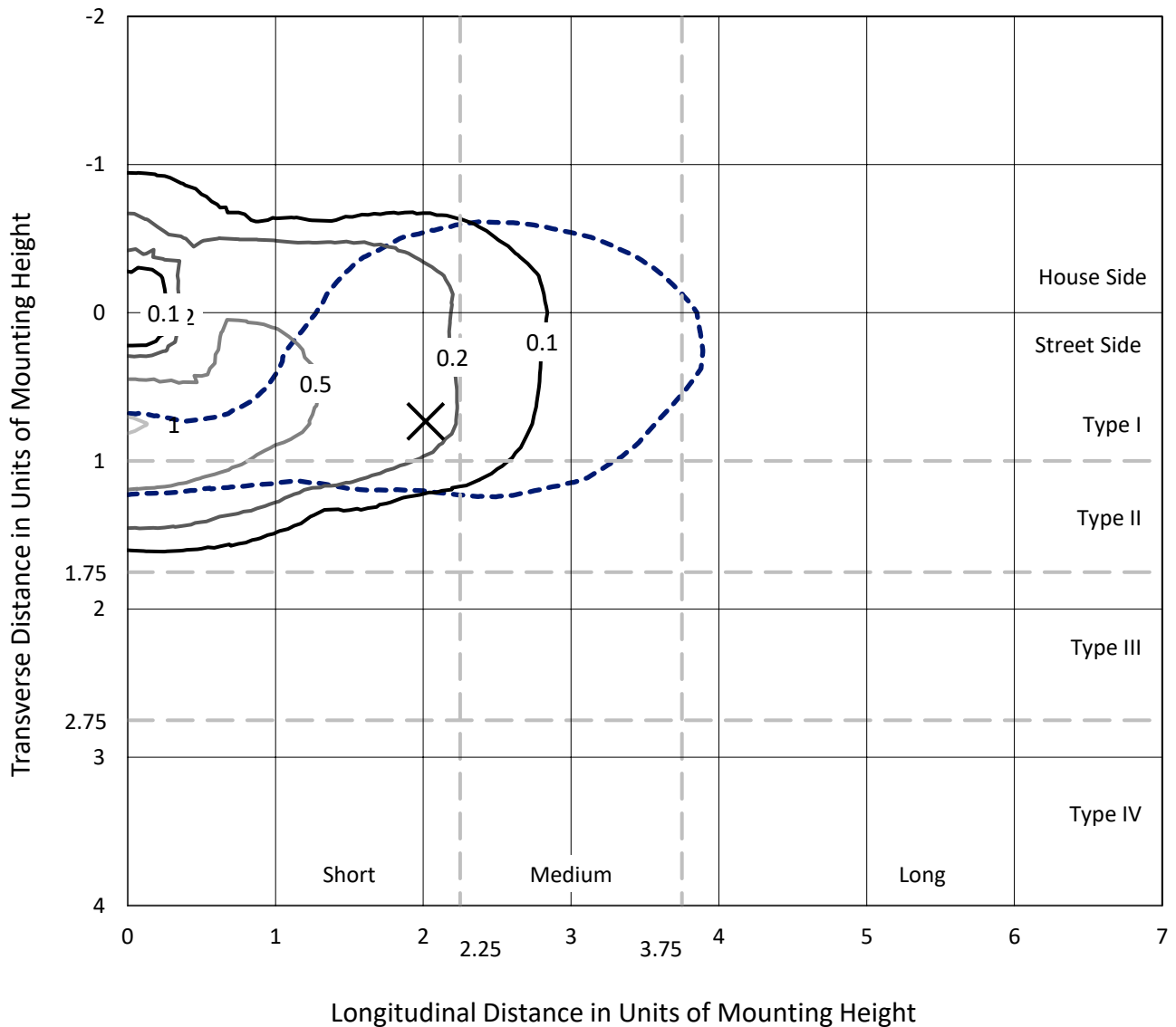
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

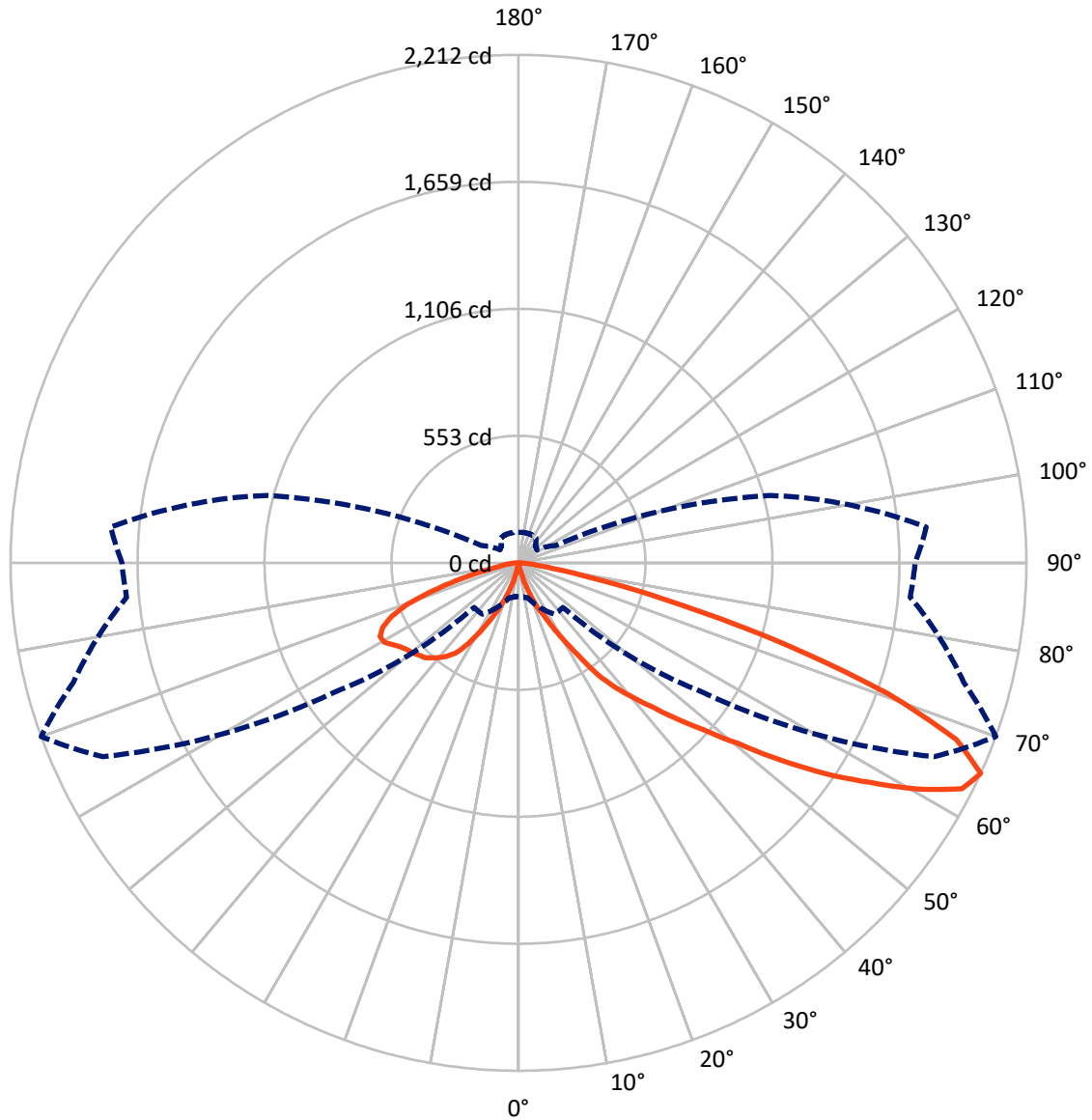
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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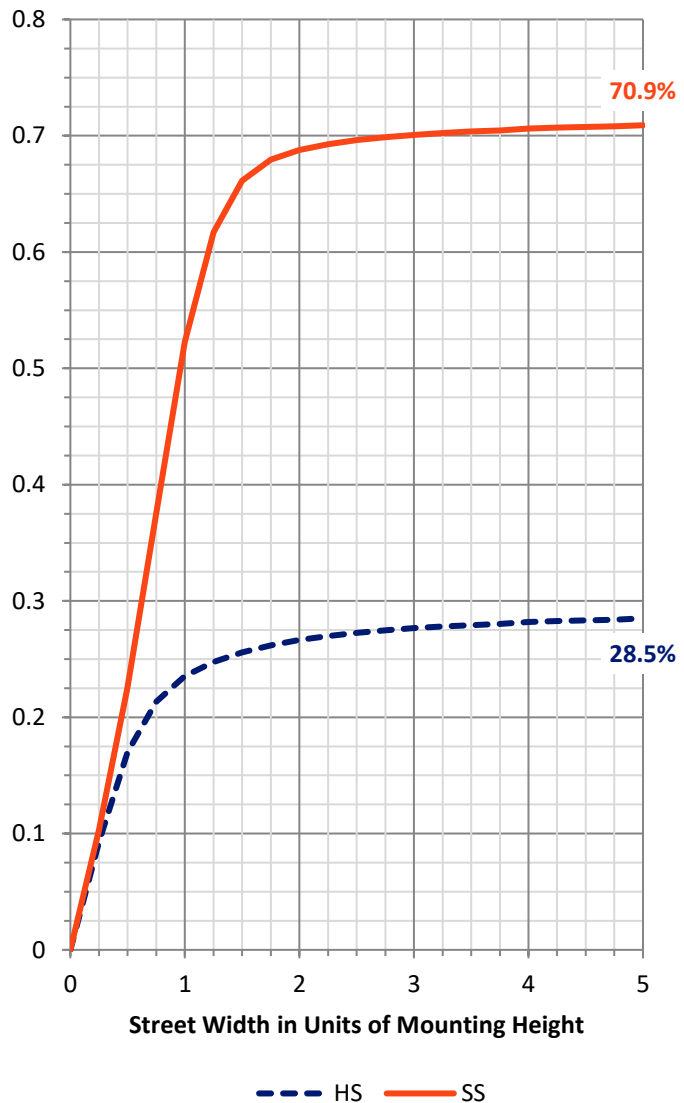
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.1	0.0	792.1
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	1949.9	0.0	1949.9
	% Fixture	71.1	0.0	71.1
Total	Lumens	2742.0	0.0	2742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.1	0.7
20°-30°	126.4	4.6
30°-40°	336.2	12.3
40°-50°	575.4	21.0
50°-60°	704.0	25.7
60°-70°	632.1	23.1
70°-80°	311.4	11.4
80°-90°	36.3	1.3
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°	2742.0	100.0
0°-180°	2742.0	100.0

Coefficient of Utilization

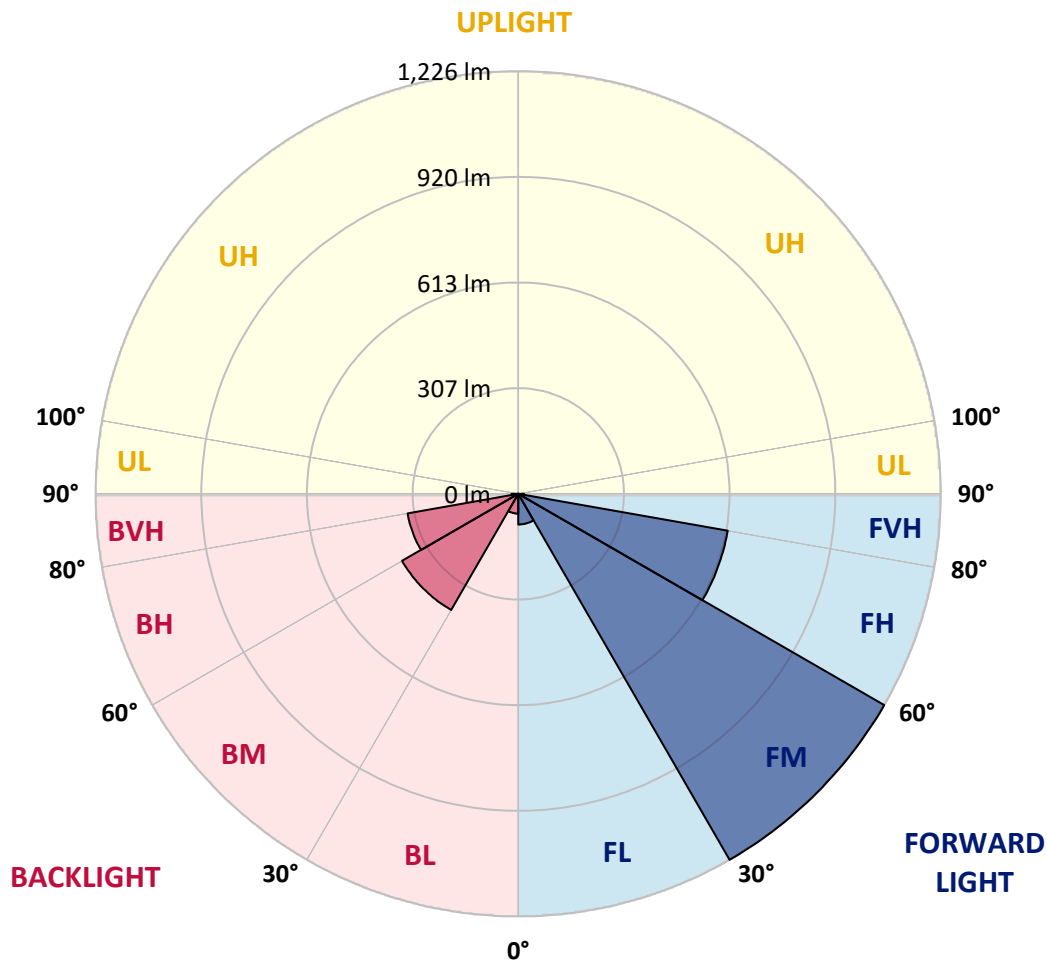


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.0	3.2			
FM (30°-60°)	1226.4	44.7			
FH (60°-80°)	617.4	22.5			G0/660
FVH (80°-90°)	17.1	0.6			G1/100
BL (0°-30°)	57.6	2.1	B0/110		
BM (30°-60°)	389.2	14.2	B1/1000		
BH (60°-80°)	326.1	11.9	B1/500		G1/500
BVH (80°-90°)	19.2	0.7			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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 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	0.0
5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
7.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
10°	6.4	6.4	5.5	3.7	1.8	0.9	0.9	1.8	1.8	1.8	2.7
12.5°	82.2	83.1	80.3	55.7	11.0	3.7	3.7	11.0	28.3	38.3	42.9
15°	94.0	94.0	92.2	90.4	86.7	19.2	34.7	53.0	55.7	79.4	88.6
17.5°	128.7	122.3	108.6	102.3	98.6	105.0	77.6	98.6	101.3	103.2	109.6
20°	244.7	240.1	231.9	192.6	136.0	149.7	142.4	126.9	152.5	158.9	161.6
22.5°	292.1	287.6	279.4	261.1	239.2	173.5	192.6	176.2	212.7	221.8	220.0
25°	494.8	492.1	419.0	312.2	311.3	272.1	253.8	238.3	248.3	279.4	294.0
27.5°	571.5	570.6	547.8	493.9	362.4	334.1	304.0	324.1	316.8	355.1	367.0
30°	817.1	768.7	682.9	566.9	509.4	407.2	411.7	423.6	393.5	417.2	447.3
32.5°	1007.0	998.8	945.8	755.9	587.0	502.1	502.1	506.7	485.7	503.9	537.7
35°	1179.5	1163.1	1080.9	899.3	745.0	609.9	582.5	608.0	602.5	602.5	582.5
37.5°	1289.1	1285.4	1221.5	1035.3	861.8	699.3	677.4	691.1	692.0	694.8	635.4
40°	1393.2	1384.0	1344.8	1158.5	1012.5	812.5	769.6	791.5	772.4	785.1	703.0
42.5°	1447.0	1435.2	1412.3	1286.3	1178.6	1020.7	895.6	881.9	862.7	877.3	784.2
45°	1453.4	1426.9	1433.3	1363.9	1314.6	1201.4	1021.6	976.9	969.6	978.7	878.3
47.5°	1363.9	1337.5	1382.2	1363.9	1393.2	1332.0	1189.6	1104.7	1089.2	1094.6	975.9
50°	1157.6	1154.9	1217.9	1282.7	1405.0	1422.4	1397.7	1243.4	1235.2	1231.6	1087.3
52.5°	955.9	944.0	999.7	1097.4	1301.9	1418.7	1567.5	1420.6	1424.2	1382.2	1198.7
55°	728.5	742.2	797.9	876.4	1078.2	1344.8	1699.9	1651.5	1621.4	1527.4	1309.2
57.5°	444.6	488.4	577.9	658.2	861.8	1155.8	1714.5	1853.3	1804.9	1674.4	1422.4
60°	259.3	260.2	330.5	467.4	621.7	828.0	1617.7	2028.6	2002.1	1829.6	1537.4
62.5°	181.7	185.3	205.4	322.3	388.9	514.9	1372.2	2104.4	2167.3	1943.7	1652.4
65°	147.0	147.0	157.9	210.9	273.9	273.9	987.8	1997.5	2212.1	2006.7	1712.7
67.5°	137.9	137.9	143.3	154.3	211.8	180.8	482.0	1727.3	2057.8	1972.9	1720.9
70°	122.3	122.3	133.3	137.9	165.2	138.8	207.2	1298.2	1707.2	1797.6	1665.2
72.5°	103.2	105.0	114.1	130.6	129.6	109.6	140.6	786.1	1209.7	1422.4	1530.1
75°	84.9	86.7	93.1	106.8	119.6	83.1	112.3	388.0	724.0	950.4	1227.0
77.5°	66.6	65.7	74.9	86.7	97.7	63.9	82.2	168.9	360.6	537.7	734.0
80°	44.7	44.7	53.9	65.7	67.6	60.3	56.6	105.9	150.6	220.9	292.1
82.5°	28.3	29.2	34.7	41.1	46.6	51.1	41.1	64.8	78.5	89.5	84.0
85°	6.4	5.5	9.1	11.9	17.3	18.3	20.1	21.9	27.4	29.2	25.6
87.5°	0.0	0.0	0.9	0.9	0.9	1.8	1.8	3.7	3.7	4.6	4.6
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: P694540
 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U

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°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
7.5°	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	44.7	43.8	41.1	12.8	3.7	0.9	0.0	0.9	1.8	2.7	3.7
15°	89.5	88.6	84.0	56.6	47.5	6.4	2.7	12.8	58.4	81.3	84.0
17.5°	109.6	110.5	105.9	104.1	75.8	48.4	51.1	95.9	100.4	102.3	102.3
20°	161.6	160.7	157.9	141.5	105.9	94.9	122.3	105.0	108.6	112.3	114.1
22.5°	219.1	217.3	213.6	170.7	148.8	151.5	133.3	141.5	189.9	192.6	193.5
25°	287.6	281.2	261.1	222.8	214.5	184.4	196.3	182.6	186.2	187.2	186.2
27.5°	357.0	349.7	303.1	280.3	255.6	193.5	201.8	186.2	209.1	232.8	232.8
30°	430.0	416.3	362.4	341.4	289.4	232.8	197.2	206.3	210.9	210.0	210.0
32.5°	511.3	485.7	415.4	416.3	309.5	231.9	203.6	188.1	198.1	232.8	233.7
35°	554.2	521.3	481.1	464.7	334.1	213.6	180.8	195.4	212.7	214.5	213.6
37.5°	597.1	554.2	508.5	504.9	321.4	194.5	177.1	185.3	192.6	189.9	189.9
40°	654.6	604.4	560.6	506.7	300.4	176.2	169.8	174.4	175.3	172.5	172.5
42.5°	726.7	668.3	623.5	491.2	262.0	164.3	162.5	165.2	167.1	163.4	162.5
45°	811.6	743.1	686.5	472.9	213.6	157.9	158.9	158.9	161.6	157.9	157.0
47.5°	908.4	837.2	731.3	449.2	180.8	152.5	156.1	154.3	156.1	151.5	150.6
50°	1017.0	936.7	793.4	416.3	163.4	145.2	154.3	148.8	150.6	147.9	147.9
52.5°	1118.4	1049.0	853.6	376.1	149.7	139.7	147.9	147.9	149.7	147.0	146.1
55°	1229.7	1171.3	924.8	336.0	136.0	135.1	147.0	148.8	147.9	145.2	145.2
57.5°	1344.8	1315.6	996.0	312.2	124.2	126.9	146.1	149.7	147.0	144.2	143.3
60°	1479.0	1496.3	1066.3	293.1	113.2	118.7	143.3	146.1	144.2	141.5	141.5
62.5°	1620.5	1679.8	1121.1	244.7	105.9	111.4	137.9	141.5	138.8	137.9	137.9
65°	1727.3	1783.0	1133.0	178.0	98.6	104.1	132.4	135.1	134.2	133.3	133.3
67.5°	1772.0	1787.6	1077.3	126.9	91.3	97.7	126.0	129.6	126.9	128.7	127.8
70°	1748.3	1668.9	923.9	105.0	84.0	89.5	117.8	120.5	118.7	123.2	121.4
72.5°	1558.4	1395.9	689.3	88.6	77.6	81.3	108.6	110.5	109.6	111.4	107.7
75°	1182.3	991.5	430.9	78.5	70.3	72.1	96.8	100.4	97.7	96.8	93.1
77.5°	682.0	598.0	215.5	71.2	63.0	62.1	84.9	87.6	85.8	80.3	82.2
80°	252.9	209.1	96.8	62.1	54.8	52.0	70.3	73.0	71.2	65.7	65.7
82.5°	73.0	67.6	59.3	51.1	47.5	41.1	56.6	59.3	58.4	55.7	52.0
85°	22.8	23.7	30.1	32.9	34.7	29.2	42.9	42.9	39.3	35.6	29.2
87.5°	2.7	4.6	5.5	9.1	11.0	8.2	11.0	11.9	11.0	7.3	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)