

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: P694510

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2U**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694510  
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-PA16-20-727-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2524 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

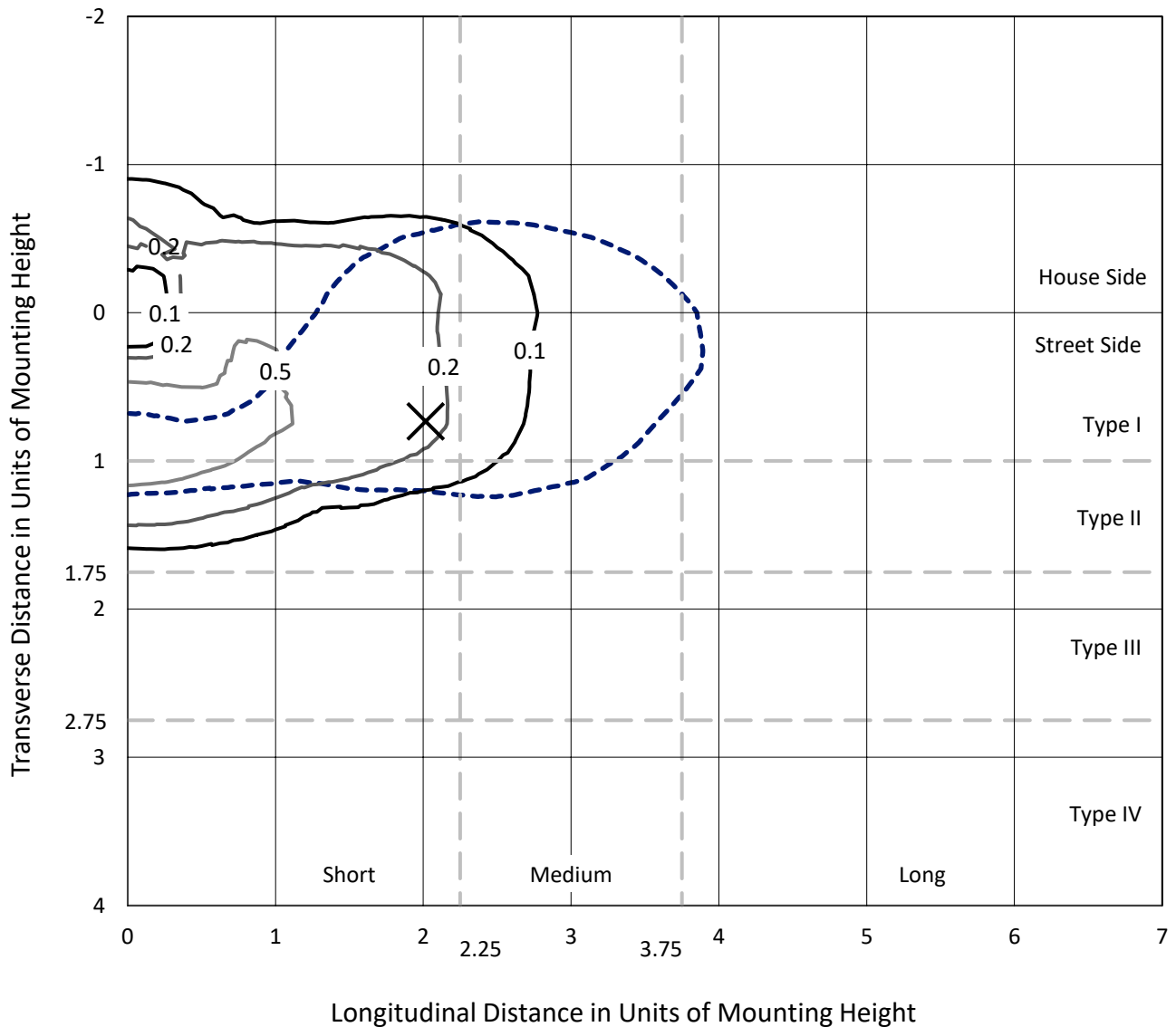
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

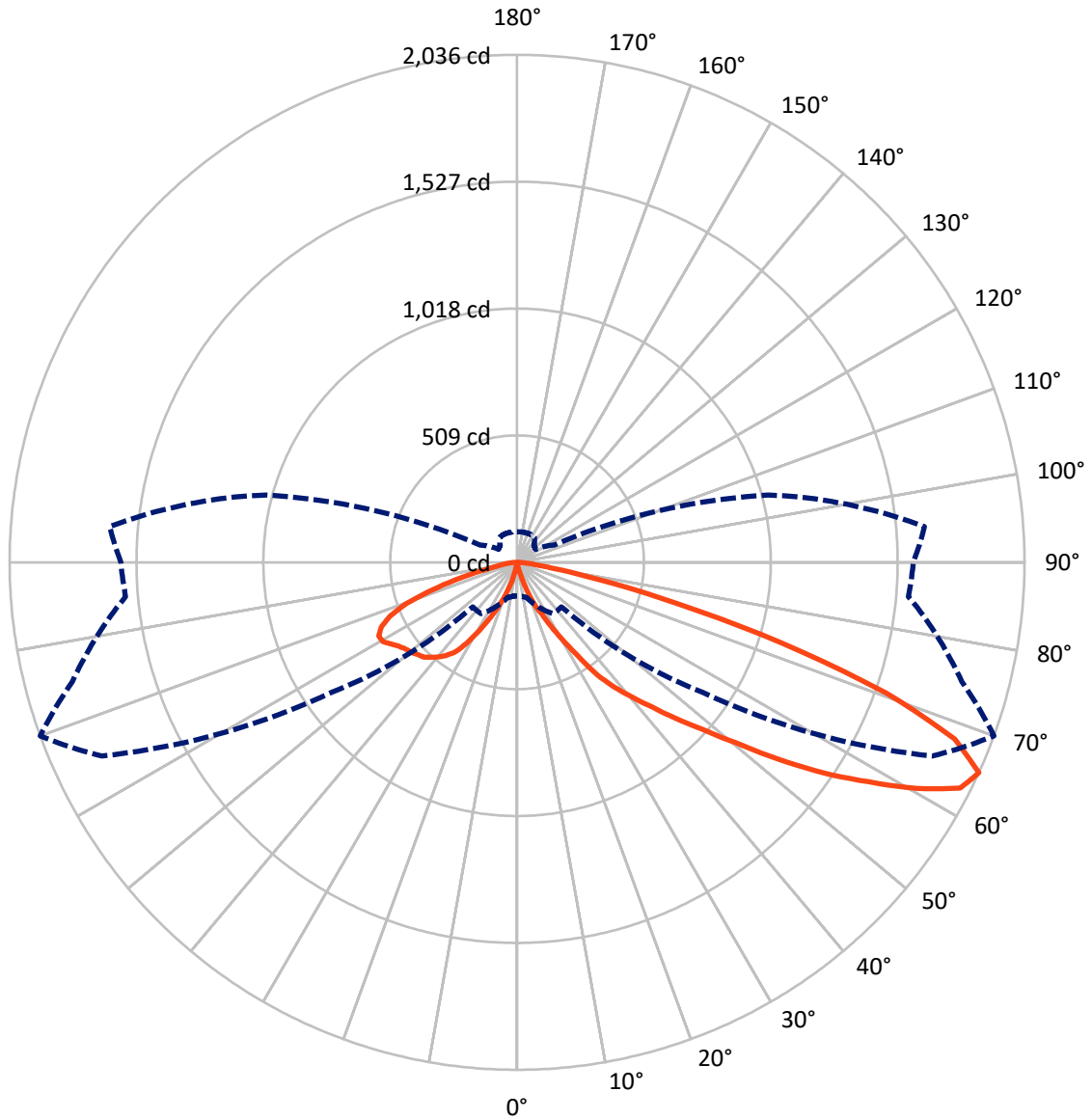
× Max cd  
 - - - 1/2 Max cd



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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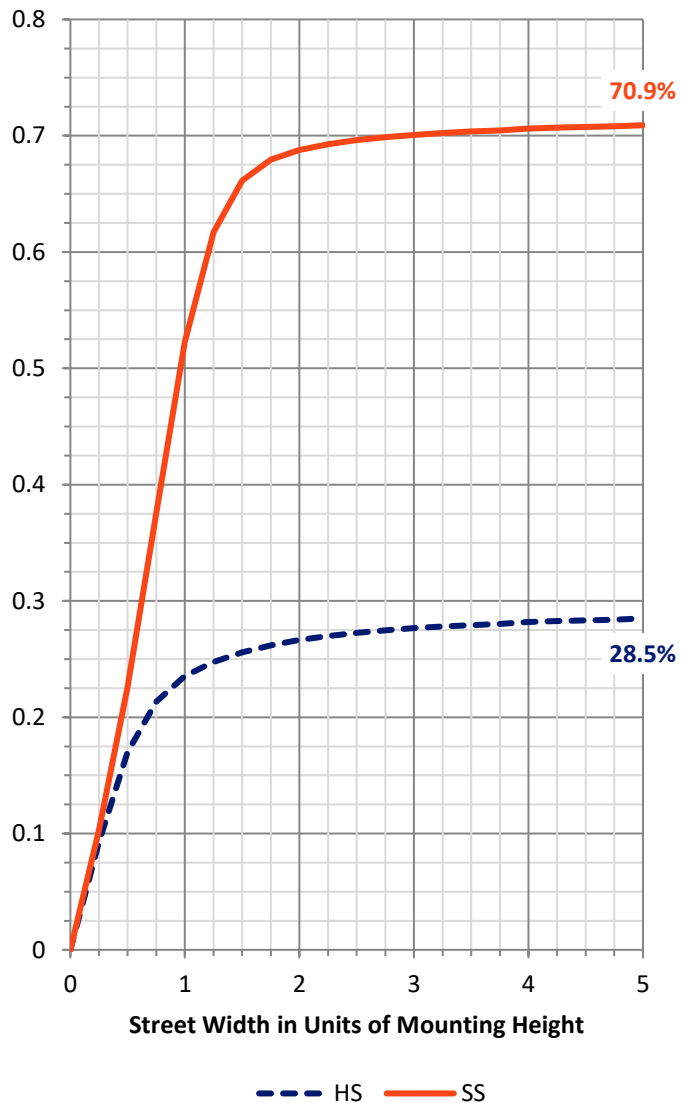
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	729.1	0.0	729.1
	% Fixture	28.9	0.0	28.9
<b>Street Side</b>	Lumens	1794.9	0.0	1794.9
	% Fixture	71.1	0.0	71.1
<b>Total</b>	Lumens	2524.0	0.0	2524.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	18.5	0.7
20°-30°	116.3	4.6
30°-40°	309.5	12.3
40°-50°	529.7	21.0
50°-60°	648.0	25.7
60°-70°	581.9	23.1
70°-80°	286.6	11.4
80°-90°	33.4	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°	2524.0	100.0
0°-180°	2524.0	100.0

**Coefficient of Utilization**



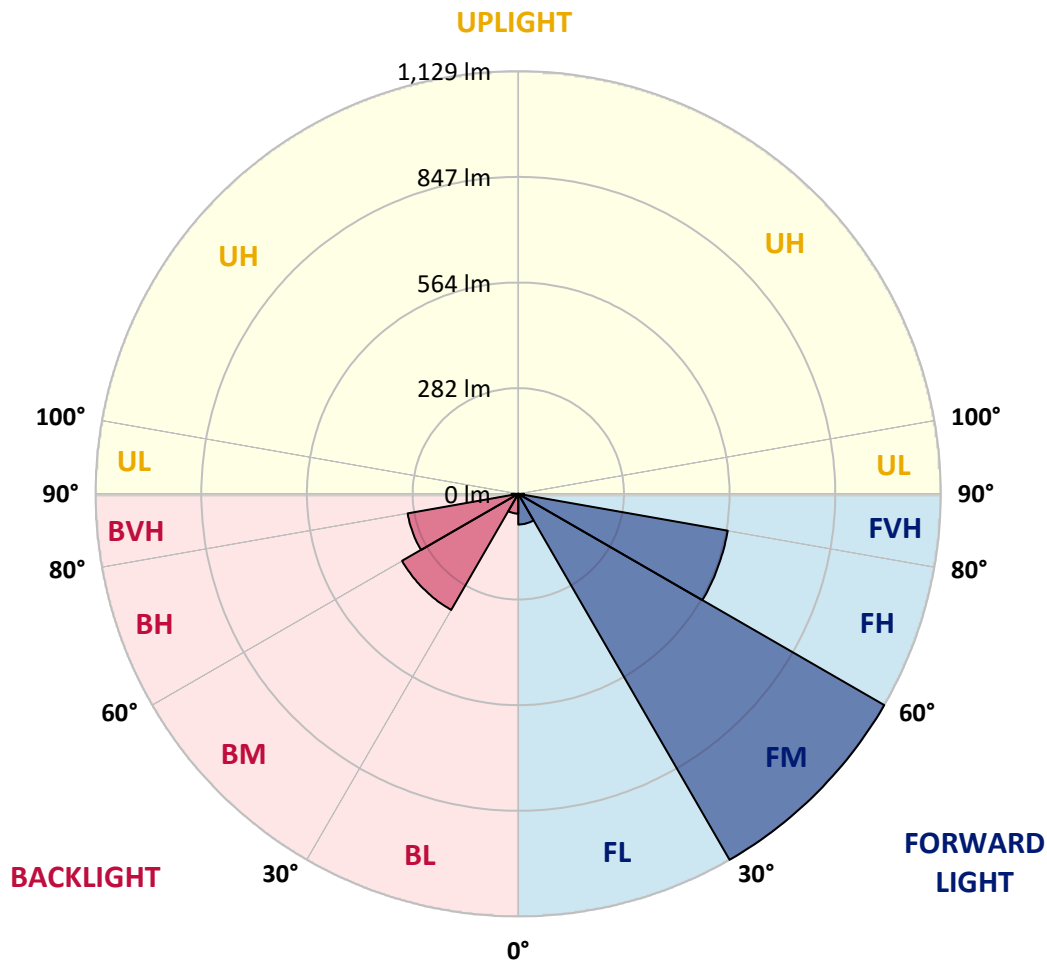
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.9	3.2			
FM (30°-60°)	1128.9	44.7			
FH (60°-80°)	568.3	22.5			G0/660
FVH (80°-90°)	15.7	0.6			G1/100
BL (0°-30°)	53.0	2.1	B0/110		
BM (30°-60°)	358.3	14.2	B1/1000		
BH (60°-80°)	300.2	11.9	B1/500		G1/500
BVH (80°-90°)	17.6	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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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
7.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
10°	5.9	5.9	5.0	3.4	1.7	0.8	0.8	1.7	1.7	1.7	2.5
12.5°	75.6	76.5	74.0	51.3	10.1	3.4	3.4	10.1	26.1	35.3	39.5
15°	86.6	86.6	84.9	83.2	79.8	17.6	31.9	48.7	51.3	73.1	81.5
17.5°	118.5	112.6	100.0	94.1	90.8	96.6	71.4	90.8	93.3	95.0	100.8
20°	225.2	221.0	213.5	177.3	125.2	137.8	131.1	116.8	140.3	146.2	148.7
22.5°	268.9	264.7	257.2	240.3	220.2	159.7	177.3	162.2	195.8	204.2	202.5
25°	455.5	453.0	385.7	287.4	286.6	250.4	233.6	219.3	228.6	257.2	270.6
27.5°	526.1	525.2	504.2	454.6	333.6	307.6	279.8	298.3	291.6	326.9	337.8
30°	752.1	707.6	628.6	521.9	468.9	374.8	379.0	389.9	362.2	384.0	411.8
32.5°	926.9	919.4	870.6	695.8	540.4	462.2	462.2	466.4	447.1	463.9	495.0
35°	1085.8	1070.6	995.0	827.8	685.7	561.4	536.2	559.7	554.6	554.6	536.2
37.5°	1186.6	1183.2	1124.4	953.0	793.3	643.7	623.6	636.2	637.0	639.5	584.9
40°	1282.4	1274.0	1237.9	1066.4	932.0	747.9	708.4	728.6	711.0	722.7	647.1
42.5°	1332.0	1321.1	1300.0	1184.1	1084.9	939.5	824.4	811.8	794.1	807.6	721.9
45°	1337.9	1313.5	1319.4	1255.5	1210.1	1105.9	940.4	899.2	892.5	900.9	808.4
47.5°	1255.5	1231.1	1272.3	1255.5	1282.4	1226.1	1095.0	1016.8	1002.6	1007.6	898.4
50°	1065.6	1063.1	1121.1	1180.7	1293.3	1309.3	1286.6	1144.6	1137.0	1133.7	1000.9
52.5°	879.9	868.9	920.2	1010.1	1198.4	1305.9	1442.9	1307.6	1311.0	1272.3	1103.4
55°	670.6	683.2	734.5	806.8	992.5	1237.9	1564.8	1520.2	1492.5	1405.9	1205.1
57.5°	409.3	449.6	532.0	605.9	793.3	1063.9	1578.2	1705.9	1661.4	1541.2	1309.3
60°	238.7	239.5	304.2	430.3	572.3	762.2	1489.1	1867.3	1842.9	1684.1	1415.2
62.5°	167.2	170.6	189.1	296.6	358.0	474.0	1263.1	1937.0	1995.0	1789.1	1521.1
65°	135.3	135.3	145.4	194.1	252.1	252.1	909.3	1838.7	2036.2	1847.1	1576.5
67.5°	126.9	126.9	131.9	142.0	195.0	166.4	443.7	1590.0	1894.2	1816.0	1584.1
70°	112.6	112.6	122.7	126.9	152.1	127.7	190.8	1195.0	1571.5	1654.7	1532.8
72.5°	95.0	96.6	105.0	120.2	119.3	100.8	129.4	723.6	1113.5	1309.3	1408.5
75°	78.2	79.8	85.7	98.3	110.1	76.5	103.4	357.2	666.4	874.8	1129.5
77.5°	61.3	60.5	68.9	79.8	89.9	58.8	75.6	155.5	331.9	495.0	675.7
80°	41.2	41.2	49.6	60.5	62.2	55.5	52.1	97.5	138.7	203.4	268.9
82.5°	26.1	26.9	31.9	37.8	42.9	47.1	37.8	59.7	72.3	82.4	77.3
85°	5.9	5.0	8.4	10.9	16.0	16.8	18.5	20.2	25.2	26.9	23.5
87.5°	0.0	0.0	0.8	0.8	0.8	1.7	1.7	3.4	3.4	4.2	4.2
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
7.5°	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.5	2.5	1.7	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	41.2	40.3	37.8	11.8	3.4	0.8	0.0	0.8	1.7	2.5	3.4
15°	82.4	81.5	77.3	52.1	43.7	5.9	2.5	11.8	53.8	74.8	77.3
17.5°	100.8	101.7	97.5	95.8	69.8	44.5	47.1	88.2	92.4	94.1	94.1
20°	148.7	147.9	145.4	130.3	97.5	87.4	112.6	96.6	100.0	103.4	105.0
22.5°	201.7	200.0	196.6	157.1	137.0	139.5	122.7	130.3	174.8	177.3	178.2
25°	264.7	258.8	240.3	205.0	197.5	169.8	180.7	168.1	171.4	172.3	171.4
27.5°	328.6	321.9	279.0	258.0	235.3	178.2	185.7	171.4	192.4	214.3	214.3
30°	395.8	383.2	333.6	314.3	266.4	214.3	181.5	189.9	194.1	193.3	193.3
32.5°	470.6	447.1	382.4	383.2	284.9	213.5	187.4	173.1	182.4	214.3	215.1
35°	510.1	479.8	442.9	427.7	307.6	196.6	166.4	179.8	195.8	197.5	196.6
37.5°	549.6	510.1	468.1	464.7	295.8	179.0	163.0	170.6	177.3	174.8	174.8
40°	602.5	556.3	516.0	466.4	276.5	162.2	156.3	160.5	161.4	158.8	158.8
42.5°	668.9	615.1	574.0	452.1	241.2	151.3	149.6	152.1	153.8	150.4	149.6
45°	747.1	684.1	632.0	435.3	196.6	145.4	146.2	146.2	148.7	145.4	144.5
47.5°	836.2	770.6	673.1	413.5	166.4	140.3	143.7	142.0	143.7	139.5	138.7
50°	936.2	862.2	730.3	383.2	150.4	133.6	142.0	137.0	138.7	136.1	136.1
52.5°	1029.5	965.6	785.7	346.2	137.8	128.6	136.1	136.1	137.8	135.3	134.5
55°	1132.0	1078.2	851.3	309.3	125.2	124.4	135.3	137.0	136.1	133.6	133.6
57.5°	1237.9	1211.0	916.8	287.4	114.3	116.8	134.5	137.8	135.3	132.8	131.9
60°	1361.4	1377.4	981.5	269.8	104.2	109.2	131.9	134.5	132.8	130.3	130.3
62.5°	1491.7	1546.3	1032.0	225.2	97.5	102.5	126.9	130.3	127.7	126.9	126.9
65°	1590.0	1641.2	1042.9	163.9	90.8	95.8	121.9	124.4	123.5	122.7	122.7
67.5°	1631.2	1645.4	991.6	116.8	84.0	89.9	116.0	119.3	116.8	118.5	117.7
70°	1609.3	1536.2	850.5	96.6	77.3	82.4	108.4	110.9	109.2	113.4	111.8
72.5°	1434.5	1284.9	634.5	81.5	71.4	74.8	100.0	101.7	100.8	102.5	99.2
75°	1088.3	912.6	396.7	72.3	64.7	66.4	89.1	92.4	89.9	89.1	85.7
77.5°	627.8	550.4	198.3	65.5	58.0	57.1	78.2	80.7	79.0	74.0	75.6
80°	232.8	192.4	89.1	57.1	50.4	47.9	64.7	67.2	65.5	60.5	60.5
82.5°	67.2	62.2	54.6	47.1	43.7	37.8	52.1	54.6	53.8	51.3	47.9
85°	21.0	21.8	27.7	30.3	31.9	26.9	39.5	39.5	36.1	32.8	26.9
87.5°	2.5	4.2	5.0	8.4	10.1	7.6	10.1	10.9	10.1	6.7	6.7
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)