

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: P694960

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2U**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694960  
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-PA16-30-827-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2929 lumens  
Efficiency: N/A  
Efficacy: 100.3 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

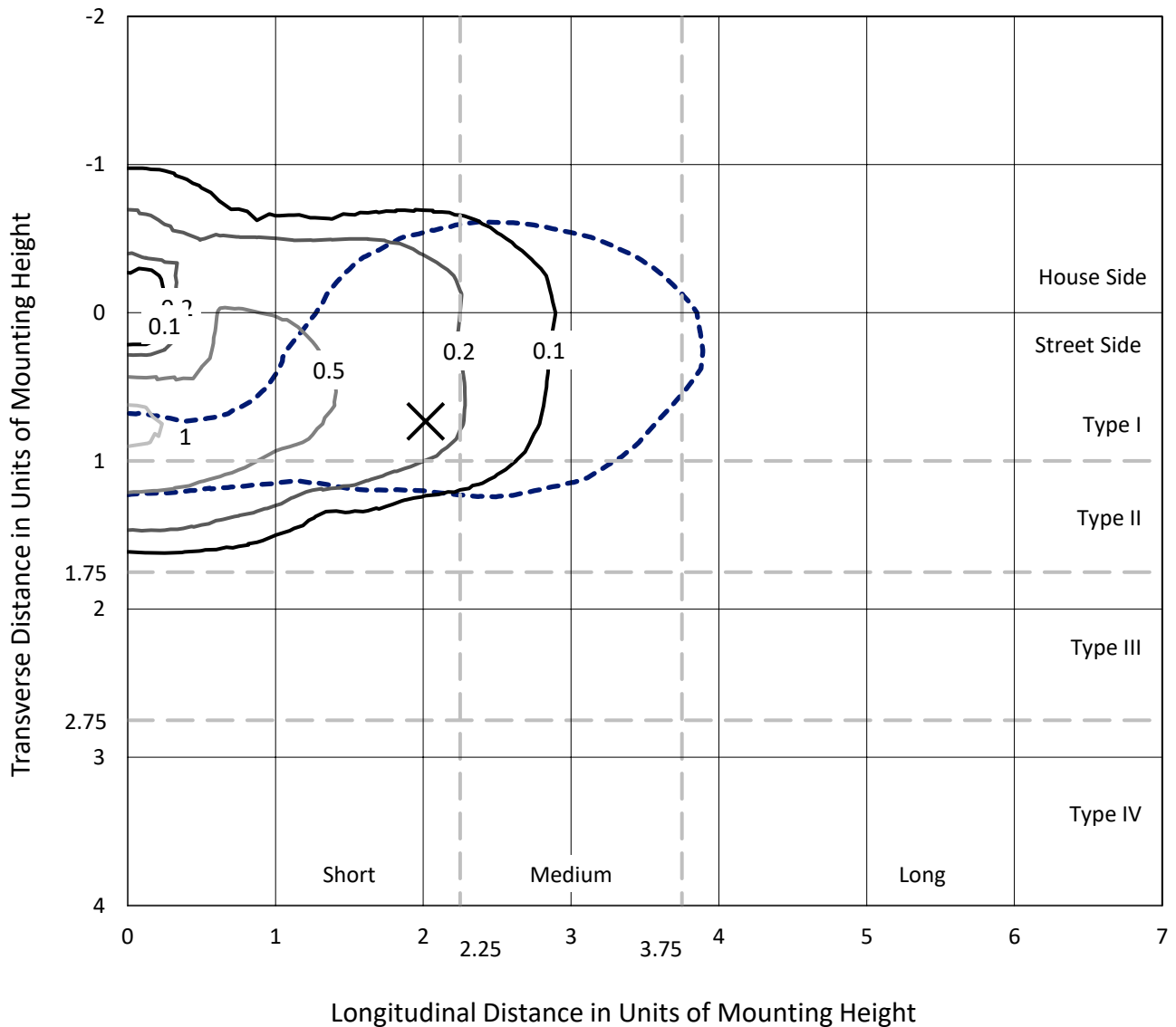
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

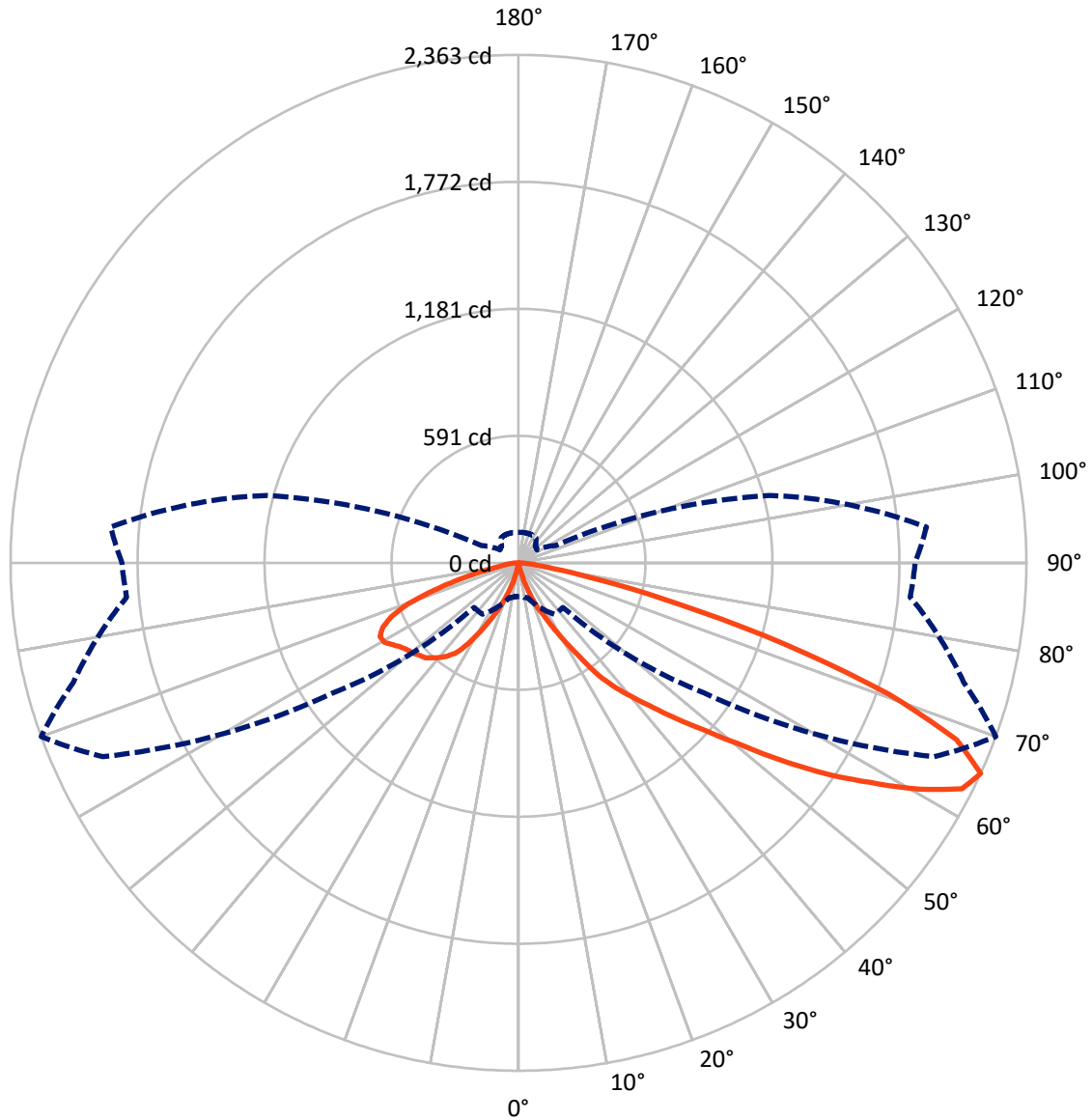
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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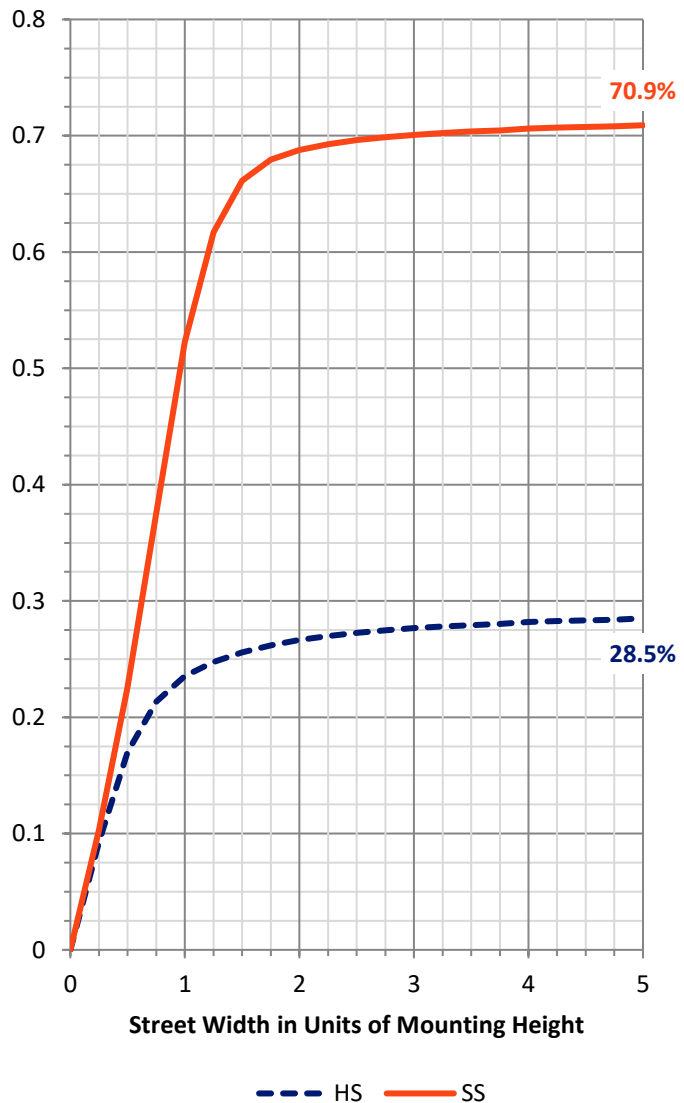
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	846.2	0.0	846.2
	% Fixture	28.9	0.0	28.9
<b>Street Side</b>	Lumens	2082.9	0.0	2082.9
	% Fixture	71.1	0.0	71.1
<b>Total</b>	Lumens	2929.0	0.0	2929.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	21.5	0.7
20°-30°	135.0	4.6
30°-40°	359.1	12.3
40°-50°	614.7	21.0
50°-60°	752.0	25.7
60°-70°	675.3	23.1
70°-80°	332.6	11.4
80°-90°	38.7	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°	2929.0	100.0
0°-180°	2929.0	100.0

**Coefficient of Utilization**



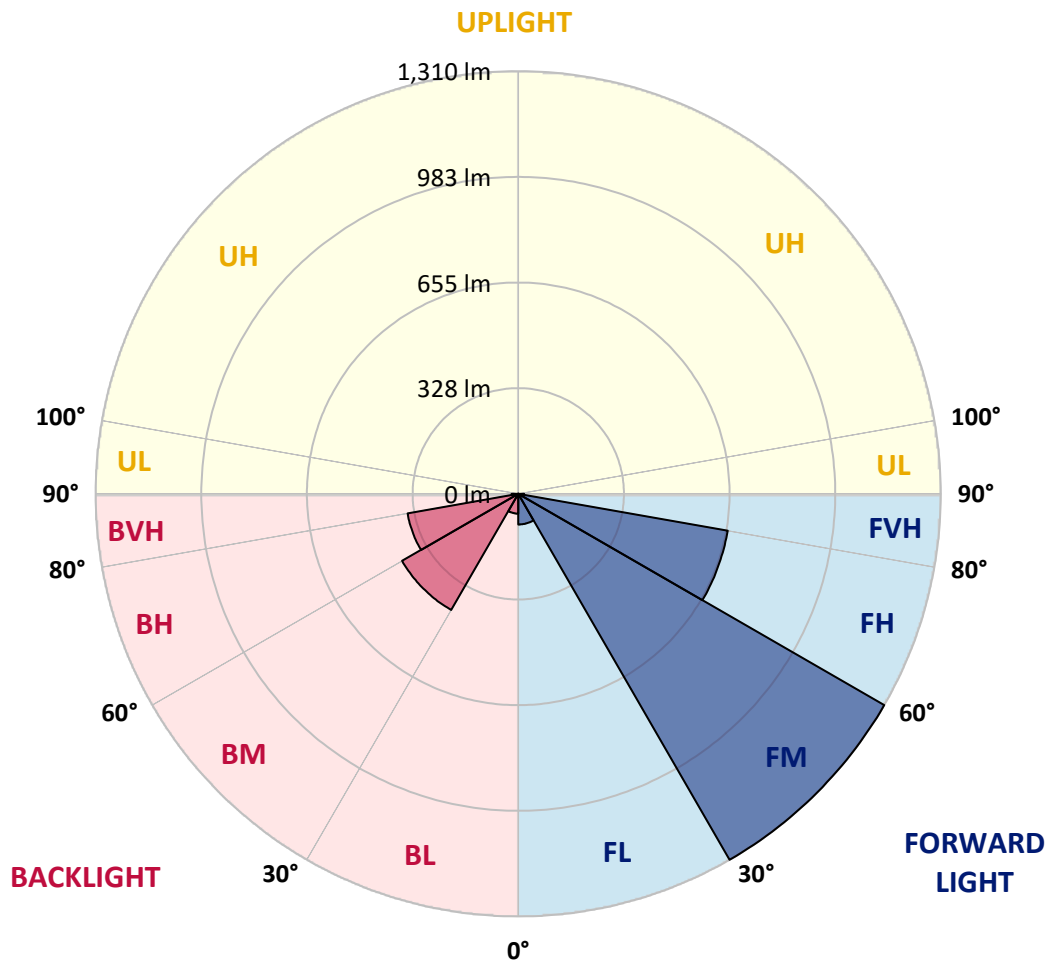
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.1	3.2			
FM (30°-60°)	1310.0	44.7			
FH (60°-80°)	659.5	22.5			G0/660
FVH (80°-90°)	18.3	0.6			G1/100
BL (0°-30°)	61.5	2.1	B0/110		
BM (30°-60°)	415.8	14.2	B1/1000		
BH (60°-80°)	348.4	11.9	B1/500		G1/500
BVH (80°-90°)	20.5	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
7.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
10°	6.8	6.8	5.9	3.9	2.0	1.0	1.0	2.0	2.0	2.0	2.9
12.5°	87.8	88.7	85.8	59.5	11.7	3.9	3.9	11.7	30.2	41.0	45.8
15°	100.4	100.4	98.5	96.5	92.6	20.5	37.1	56.6	59.5	84.8	94.6
17.5°	137.5	130.7	116.1	109.2	105.3	112.1	82.9	105.3	108.2	110.2	117.0
20°	261.4	256.5	247.7	205.8	145.3	159.9	152.1	135.6	162.9	169.7	172.6
22.5°	312.1	307.2	298.4	278.9	255.5	185.3	205.8	188.2	227.2	237.0	235.0
25°	528.6	525.6	447.6	333.5	332.5	290.6	271.1	254.5	265.3	298.4	314.0
27.5°	610.5	609.5	585.1	527.6	387.2	356.9	324.7	346.2	338.4	379.4	392.0
30°	872.8	821.1	729.5	605.6	544.2	434.9	439.8	452.5	420.3	445.7	477.9
32.5°	1075.7	1066.9	1010.3	807.5	627.1	536.4	536.4	541.2	518.8	538.3	574.4
35°	1260.0	1242.4	1154.7	960.6	795.8	651.4	622.2	649.5	643.6	643.6	622.2
37.5°	1377.0	1373.1	1304.8	1105.9	920.6	747.0	723.6	738.2	739.2	742.1	678.7
40°	1488.2	1478.4	1436.5	1237.5	1081.5	867.9	822.1	845.5	825.0	838.7	750.9
42.5°	1545.7	1533.0	1508.7	1374.1	1259.0	1090.3	956.7	942.1	921.6	937.2	837.7
45°	1552.5	1524.3	1531.1	1457.0	1404.3	1283.4	1091.3	1043.5	1035.7	1045.4	938.2
47.5°	1457.0	1428.7	1476.5	1457.0	1488.2	1422.8	1270.7	1180.0	1163.4	1169.3	1042.5
50°	1236.6	1233.6	1300.9	1370.2	1500.9	1519.4	1493.1	1328.2	1319.5	1315.6	1161.5
52.5°	1021.0	1008.4	1067.9	1172.2	1390.7	1515.5	1674.4	1517.4	1521.3	1476.5	1280.5
55°	778.2	792.8	852.3	936.2	1151.7	1436.5	1815.8	1764.2	1732.0	1631.5	1398.5
57.5°	474.9	521.7	617.3	703.1	920.6	1234.6	1831.4	1979.7	1928.0	1788.5	1519.4
60°	277.0	277.9	353.0	499.3	664.1	884.5	1728.1	2166.9	2138.6	1954.3	1642.3
62.5°	194.1	198.0	219.4	344.2	415.4	550.0	1465.7	2247.9	2315.2	2076.2	1765.1
65°	157.0	157.0	168.7	225.3	292.6	292.6	1055.2	2133.8	2362.9	2143.5	1829.5
67.5°	147.3	147.3	153.1	164.8	226.2	193.1	514.9	1845.1	2198.1	2107.4	1838.3
70°	130.7	130.7	142.4	147.3	176.5	148.2	221.4	1386.8	1823.6	1920.2	1778.8
72.5°	110.2	112.1	121.9	139.5	138.5	117.0	150.2	839.7	1292.2	1519.4	1634.5
75°	90.7	92.6	99.5	114.1	127.8	88.7	120.0	414.5	773.3	1015.2	1310.7
77.5°	71.2	70.2	80.0	92.6	104.3	68.3	87.8	180.4	385.2	574.4	784.1
80°	47.8	47.8	57.5	70.2	72.2	64.4	60.5	113.1	160.9	236.0	312.1
82.5°	30.2	31.2	37.1	43.9	49.7	54.6	43.9	69.2	83.9	95.6	89.7
85°	6.8	5.9	9.8	12.7	18.5	19.5	21.5	23.4	29.3	31.2	27.3
87.5°	0.0	0.0	1.0	1.0	1.0	2.0	2.0	3.9	3.9	4.9	4.9
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
7.5°	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.9	2.9	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	47.8	46.8	43.9	13.7	3.9	1.0	0.0	1.0	2.0	2.9	3.9
15°	95.6	94.6	89.7	60.5	50.7	6.8	2.9	13.7	62.4	86.8	89.7
17.5°	117.0	118.0	113.1	111.2	80.9	51.7	54.6	102.4	107.3	109.2	109.2
20°	172.6	171.6	168.7	151.2	113.1	101.4	130.7	112.1	116.1	120.0	121.9
22.5°	234.1	232.1	228.2	182.4	159.0	161.9	142.4	151.2	202.8	205.8	206.7
25°	307.2	300.4	278.9	238.0	229.2	197.0	209.7	195.0	198.9	199.9	198.9
27.5°	381.3	373.5	323.8	299.4	273.1	206.7	215.5	198.9	223.3	248.7	248.7
30°	459.3	444.7	387.2	364.7	309.1	248.7	210.6	220.4	225.3	224.3	224.3
32.5°	546.1	518.8	443.7	444.7	330.6	247.7	217.5	200.9	211.6	248.7	249.7
35°	592.0	556.8	513.9	496.4	356.9	228.2	193.1	208.7	227.2	229.2	228.2
37.5°	637.8	592.0	543.2	539.3	343.3	207.7	189.2	198.0	205.8	202.8	202.8
40°	699.2	645.6	598.8	541.2	320.8	188.2	181.4	186.3	187.2	184.3	184.3
42.5°	776.3	713.9	666.1	524.7	279.9	175.5	173.6	176.5	178.5	174.6	173.6
45°	867.0	793.8	733.4	505.2	228.2	168.7	169.7	169.7	172.6	168.7	167.7
47.5°	970.3	894.3	781.1	479.8	193.1	162.9	166.8	164.8	166.8	161.9	160.9
50°	1086.4	1000.6	847.5	444.7	174.6	155.1	164.8	159.0	160.9	158.0	158.0
52.5°	1194.6	1120.5	911.8	401.8	159.9	149.2	158.0	158.0	159.9	157.0	156.0
55°	1313.6	1251.2	987.9	358.9	145.3	144.3	157.0	159.0	158.0	155.1	155.1
57.5°	1436.5	1405.3	1064.0	333.5	132.6	135.6	156.0	159.9	157.0	154.1	153.1
60°	1579.8	1598.4	1139.0	313.0	120.9	126.8	153.1	156.0	154.1	151.2	151.2
62.5°	1731.0	1794.4	1197.6	261.4	113.1	119.0	147.3	151.2	148.2	147.3	147.3
65°	1845.1	1904.6	1210.2	190.2	105.3	111.2	141.4	144.3	143.4	142.4	142.4
67.5°	1892.9	1909.5	1150.8	135.6	97.5	104.3	134.6	138.5	135.6	137.5	136.5
70°	1867.5	1782.7	986.9	112.1	89.7	95.6	125.8	128.7	126.8	131.7	129.7
72.5°	1664.7	1491.1	736.3	94.6	82.9	86.8	116.1	118.0	117.0	119.0	115.1
75°	1262.9	1059.1	460.3	83.9	75.1	77.0	103.4	107.3	104.3	103.4	99.5
77.5°	728.5	638.8	230.2	76.1	67.3	66.3	90.7	93.6	91.7	85.8	87.8
80°	270.1	223.3	103.4	66.3	58.5	55.6	75.1	78.0	76.1	70.2	70.2
82.5°	78.0	72.2	63.4	54.6	50.7	43.9	60.5	63.4	62.4	59.5	55.6
85°	24.4	25.4	32.2	35.1	37.1	31.2	45.8	45.8	41.9	38.0	31.2
87.5°	2.9	4.9	5.9	9.8	11.7	8.8	11.7	12.7	11.7	7.8	7.8
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)