

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: P694520

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T4W**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694520  
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-PA16-20-727-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2456 lumens  
Efficiency: N/A  
Efficacy: 112.7 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

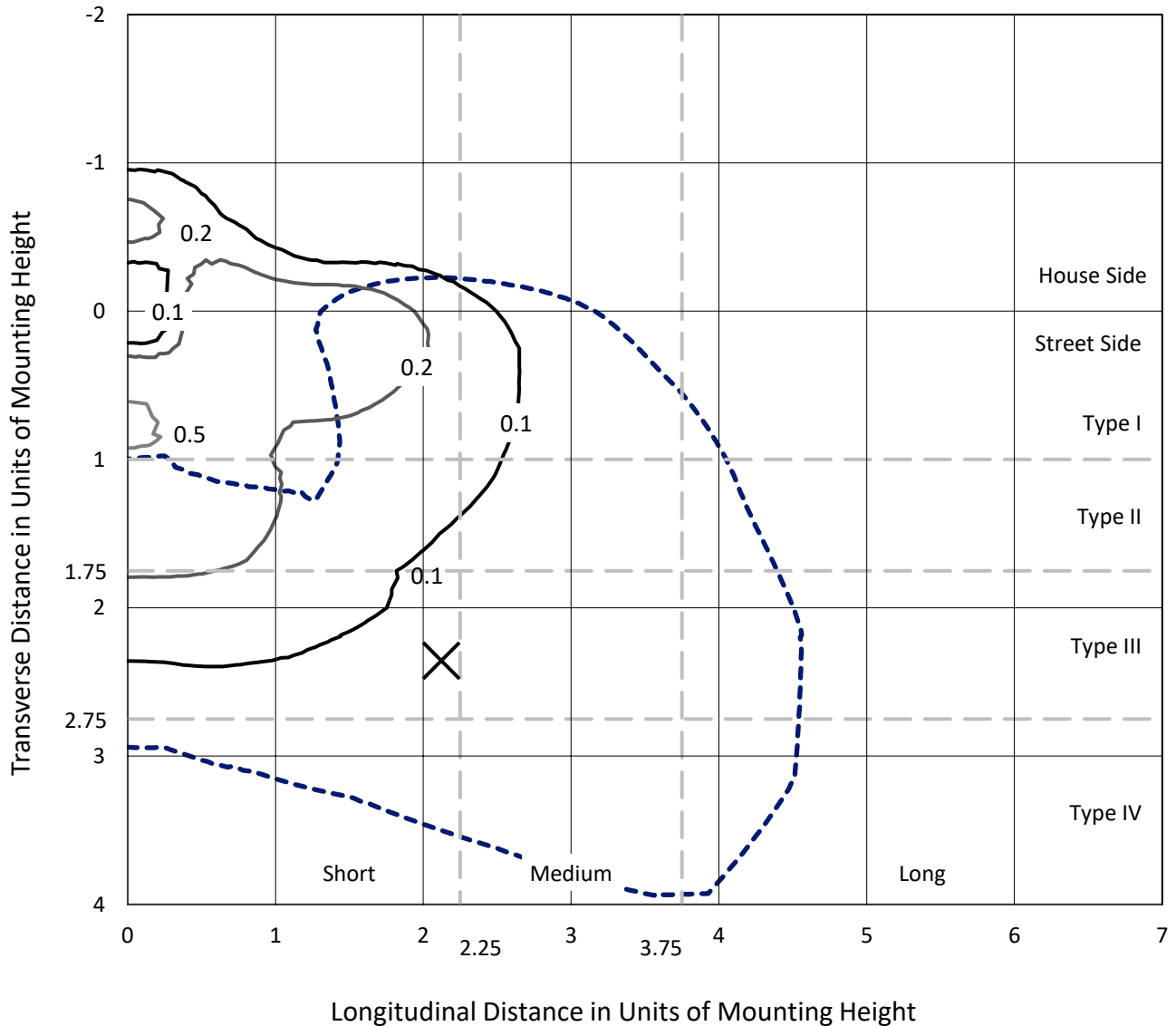
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

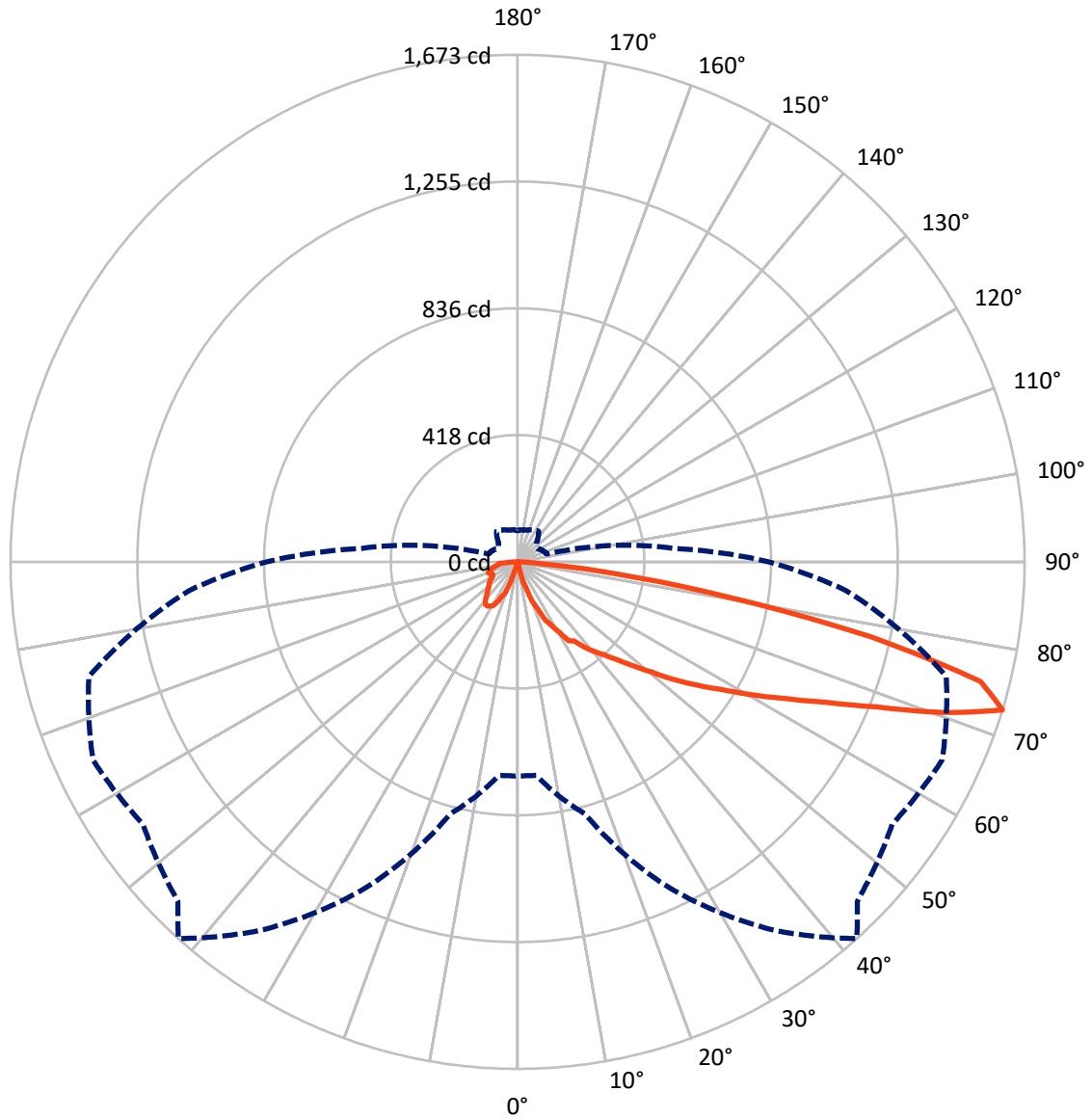
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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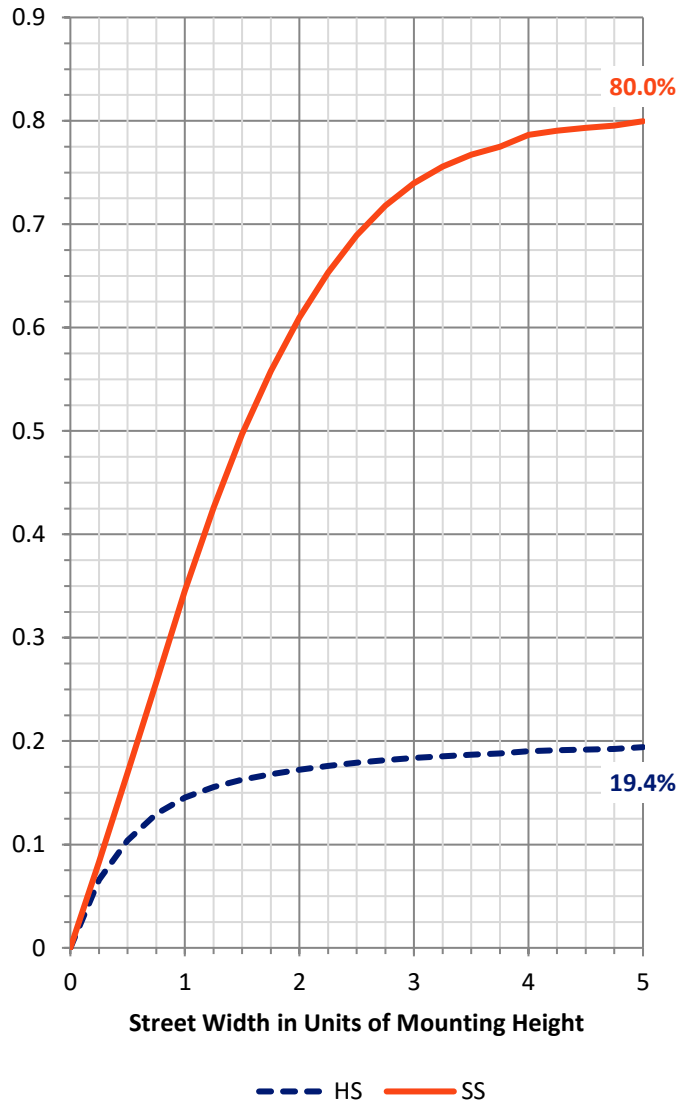
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	489.7	0.0	489.7
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	1966.3	0.0	1966.3
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	2456.0	0.0	2456.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	17.4	0.7
20°-30°	93.3	3.8
30°-40°	211.2	8.6
40°-50°	312.5	12.7
50°-60°	480.4	19.6
60°-70°	704.9	28.7
70°-80°	563.6	22.9
80°-90°	72.5	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°	2456.0	100.0
0°-180°	2456.0	100.0

**Coefficient of Utilization**



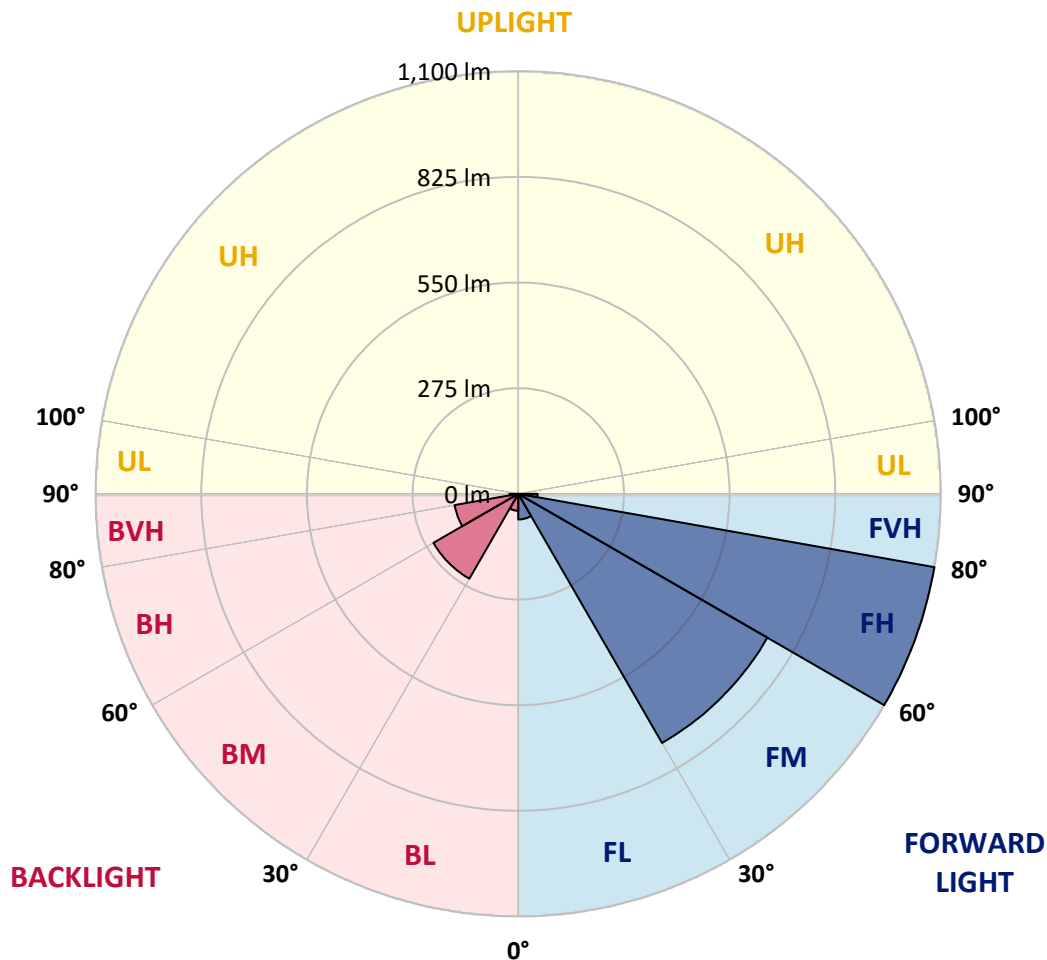
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.7	2.7			
FM (30°-60°)	749.1	30.5			
FH (60°-80°)	1100.3	44.8			G1/1800
FVH (80°-90°)	50.1	2.0			G1/100
BL (0°-30°)	44.0	1.8	B0/110		
BM (30°-60°)	255.0	10.4	B1/1000		
BH (60°-80°)	168.2	6.8	B1/500		G1/500
BVH (80°-90°)	22.4	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°	0.8	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	0.8
5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10°	21.0	19.3	16.8	6.7	2.5	0.8	0.8	0.8	0.8	0.8	0.8
12.5°	89.9	89.9	87.4	80.7	18.5	10.1	5.0	1.7	5.9	12.6	16.0
15°	102.6	102.6	99.2	94.2	85.7	71.5	35.3	16.0	69.8	76.5	74.8
17.5°	183.3	169.0	123.6	106.8	95.8	87.4	86.6	79.9	87.4	85.7	84.1
20°	212.7	211.8	204.3	191.7	114.3	139.5	141.2	132.0	100.9	124.4	156.4
22.5°	230.3	227.0	213.5	199.2	210.2	167.3	154.7	145.4	168.1	186.6	182.4
25°	311.0	309.4	298.4	215.2	222.8	212.7	204.3	207.6	213.5	205.1	207.6
27.5°	331.2	327.0	312.7	280.8	242.9	236.2	253.0	227.0	251.4	301.8	295.9
30°	480.0	474.1	399.3	310.2	290.9	269.0	264.8	283.3	305.2	313.6	311.0
32.5°	545.6	538.8	511.9	406.9	313.6	311.0	295.9	307.7	313.6	387.5	411.9
35°	625.4	618.7	584.2	462.3	378.3	320.3	323.6	311.9	369.9	396.8	425.4
37.5°	680.9	674.2	654.0	510.3	421.2	357.3	337.1	348.0	376.6	412.8	441.3
40°	733.0	728.8	716.2	570.8	467.4	388.4	360.6	363.2	390.9	437.1	462.3
42.5°	786.8	784.3	777.6	628.0	509.4	419.5	390.1	381.6	422.0	459.8	493.5
45°	834.8	840.6	837.3	687.6	554.8	460.7	427.0	411.1	459.8	496.0	542.2
47.5°	859.1	859.1	877.6	748.2	603.6	511.9	472.4	452.3	509.4	554.0	611.1
50°	893.6	897.0	898.6	810.4	670.0	570.8	522.9	502.7	560.7	637.2	724.6
52.5°	984.4	1015.5	943.2	870.9	753.2	645.6	577.5	555.7	628.0	739.8	870.1
55°	1016.3	1023.1	1002.9	952.4	823.8	717.9	638.0	618.7	732.2	859.1	1030.6
57.5°	1044.1	1035.7	1061.7	1040.7	916.3	795.2	711.2	700.3	844.0	991.1	1192.9
60°	1071.0	1074.3	1111.3	1142.4	1001.2	891.1	791.9	817.9	957.5	1129.0	1346.7
62.5°	1094.5	1102.9	1167.6	1202.1	1076.0	992.8	898.6	969.3	1084.4	1265.2	1472.8
65°	1074.3	1086.1	1218.9	1240.8	1177.7	1116.4	1021.4	1120.6	1239.9	1382.0	1552.7
67.5°	1044.1	1055.0	1210.5	1304.7	1294.6	1276.9	1171.8	1265.2	1402.2	1500.5	1548.5
70°	950.8	964.2	1124.8	1327.4	1441.7	1488.8	1375.3	1398.8	1524.9	1546.8	1391.3
72.5°	706.1	707.0	861.7	1187.8	1485.4	1672.9	1584.6	1508.9	1545.9	1464.4	1087.8
75°	334.6	330.4	443.9	754.9	1243.3	1577.9	1578.7	1478.7	1395.5	1200.4	700.3
77.5°	98.4	100.0	140.4	311.9	796.9	1192.9	1268.5	1212.2	1063.4	672.5	307.7
80°	49.6	53.8	69.8	108.4	347.2	696.0	792.7	782.6	603.6	224.4	105.9
82.5°	24.4	25.2	37.8	58.8	151.3	323.6	414.4	363.2	192.5	107.6	53.8
85°	6.7	5.9	10.9	20.2	47.1	68.9	83.2	68.1	58.0	45.4	21.9
87.5°	0.0	0.8	0.8	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
10°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
12.5°	16.0	14.3	10.9	5.9	1.7	0.8	0.8	0.8	0.8	1.7	1.7
15°	73.1	72.3	71.5	65.6	14.3	2.5	1.7	7.6	26.1	39.5	47.9
17.5°	83.2	82.4	81.5	79.9	74.0	18.5	24.4	66.4	79.9	80.7	81.5
20°	153.8	150.5	113.5	88.3	81.5	74.0	70.6	81.5	84.9	87.4	88.3
22.5°	179.1	175.7	168.1	156.4	94.2	114.3	106.8	89.1	139.5	150.5	152.2
25°	203.4	199.2	181.6	167.3	159.7	121.9	135.3	143.7	158.0	161.4	163.1
27.5°	291.7	280.8	258.9	185.8	174.0	147.1	158.0	152.2	181.6	211.8	214.4
30°	310.2	299.3	269.0	222.8	184.1	169.8	158.0	198.4	219.4	226.1	229.5
32.5°	413.6	402.7	348.0	224.4	195.9	167.3	184.9	202.6	217.7	263.1	267.3
35°	429.6	416.1	353.1	259.8	189.1	174.0	183.3	210.2	250.5	265.6	268.2
37.5°	447.2	432.1	348.0	243.8	200.9	174.9	179.1	206.8	230.3	237.1	240.4
40°	474.1	451.4	339.6	226.1	189.1	164.8	174.0	190.0	203.4	200.9	203.4
42.5°	510.3	475.0	326.2	206.0	174.9	151.3	161.4	171.5	179.9	172.3	170.6
45°	555.7	508.6	311.0	188.3	159.7	139.5	148.8	157.2	163.1	149.6	148.0
47.5°	621.2	547.3	292.5	169.8	147.1	130.3	138.7	144.6	148.0	135.3	132.8
50°	710.3	598.5	271.5	154.7	136.2	121.9	132.0	135.3	132.8	123.6	121.9
52.5°	822.1	676.7	250.5	142.9	126.9	116.0	125.3	124.4	121.9	115.2	114.3
55°	961.7	781.0	232.9	134.5	119.4	110.1	116.8	116.8	116.0	110.1	110.1
57.5°	1108.0	879.3	211.8	126.9	111.0	101.7	110.1	111.8	111.0	106.8	105.9
60°	1229.9	960.0	180.7	120.2	101.7	95.0	104.2	107.6	106.8	102.6	101.7
62.5°	1299.6	972.6	148.8	111.0	94.2	89.1	100.9	105.9	111.8	114.3	114.3
65°	1313.9	921.3	127.8	104.2	89.1	87.4	104.2	119.4	124.4	127.8	129.5
67.5°	1255.9	814.6	115.2	100.0	85.7	90.8	118.5	126.9	121.9	120.2	120.2
70°	1095.3	675.9	105.9	95.0	81.5	95.0	123.6	121.1	114.3	116.0	115.2
72.5°	828.9	514.5	99.2	89.9	77.3	88.3	121.9	116.0	107.6	105.9	102.6
75°	501.9	301.8	91.6	84.1	67.3	78.2	116.8	111.0	102.6	99.2	96.7
77.5°	194.2	139.5	83.2	77.3	58.0	68.9	108.4	105.9	97.5	90.8	89.9
80°	82.4	74.0	71.5	68.1	49.6	59.7	97.5	98.4	85.7	77.3	74.8
82.5°	46.2	45.4	55.5	55.5	41.2	53.0	88.3	88.3	75.7	70.6	64.7
85°	15.1	17.7	29.4	33.6	30.3	49.6	85.7	81.5	65.6	54.6	52.1
87.5°	1.7	1.7	3.4	6.7	7.6	12.6	24.4	28.6	20.2	16.8	16.8
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)