

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: P414113

Luminaire Tested: **LXF.LXT-PA1-20-722-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-722-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1498 lumens  
Efficiency: N/A  
Efficacy: 71.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B0 - U0 - G0

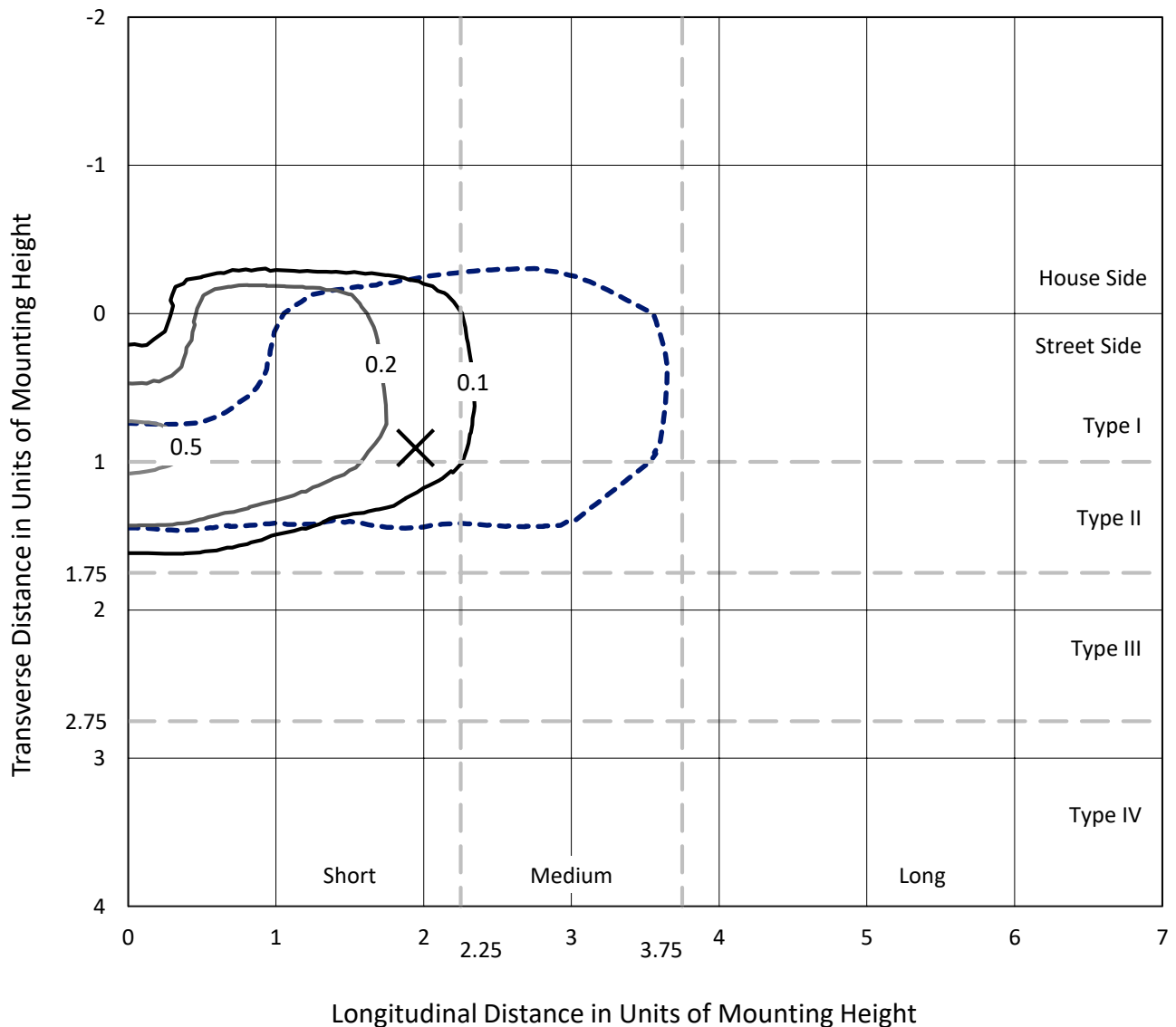
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

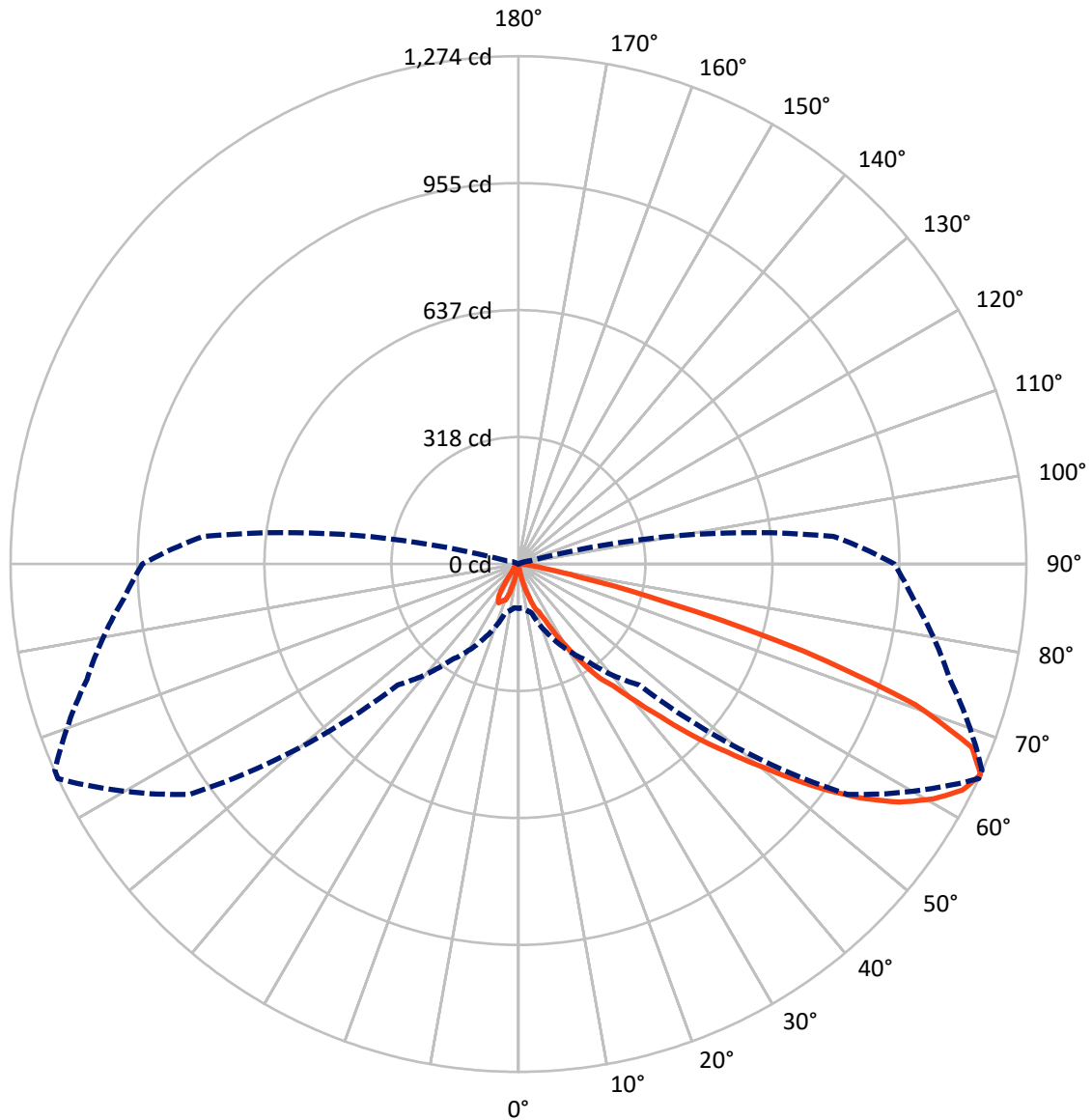
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



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

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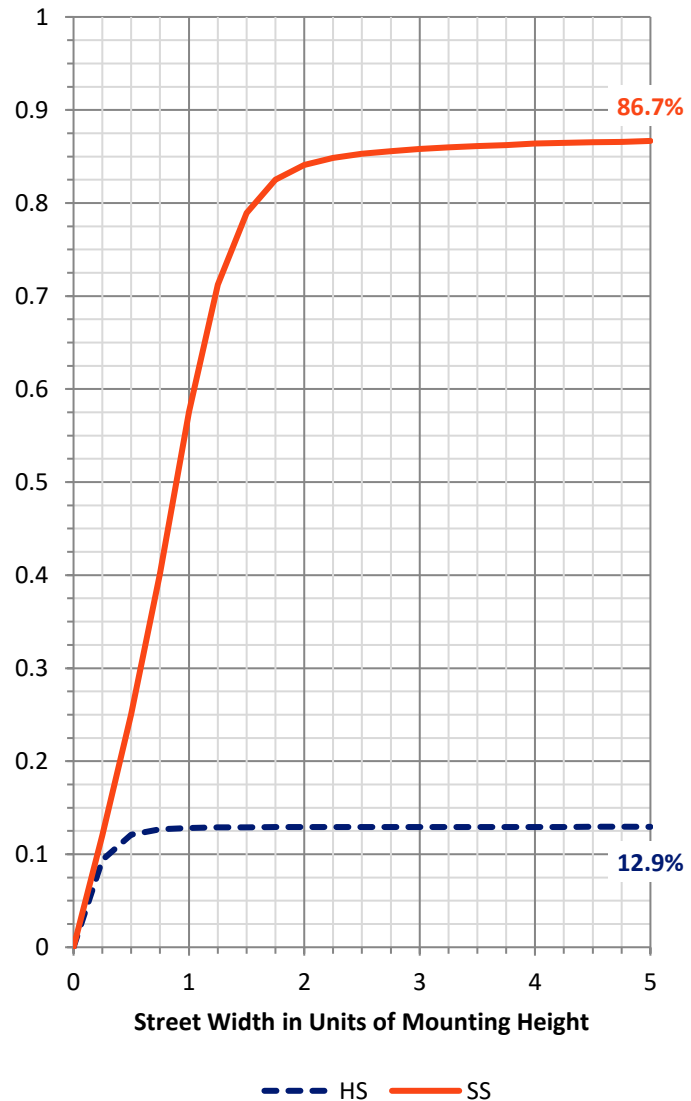
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	196.6	0.0	196.6
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	1301.4	0.0	1301.4
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	1498.0	0.0	1498.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	15.6	1.0
20°-30°	52.8	3.5
30°-40°	148.6	9.9
40°-50°	329.8	22.0
50°-60°	442.2	29.5
60°-70°	352.3	23.5
70°-80°	145.1	9.7
80°-90°	10.4	0.7
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°	1498.0	100.0
0°-180°	1498.0	100.0



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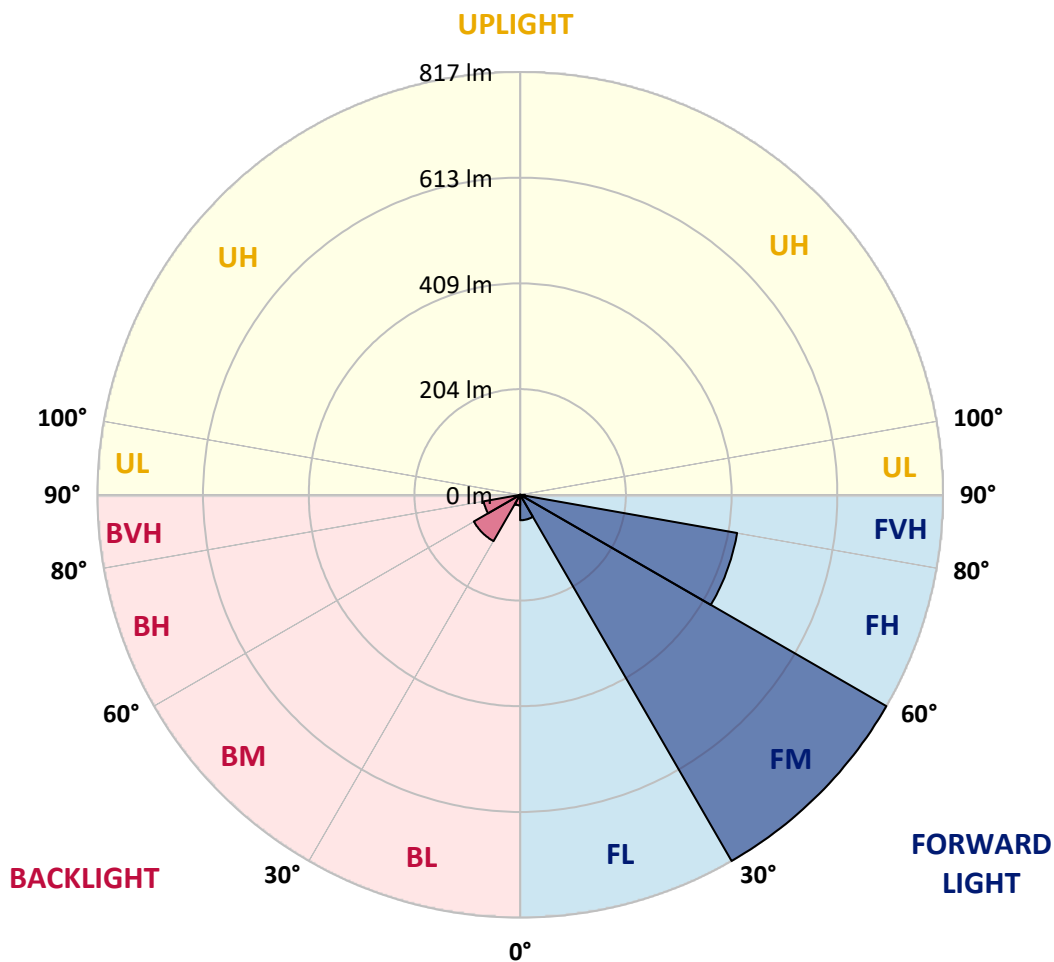
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	49.1	3.3			
FM (30°-60°)	817.3	54.6			
FH (60°-80°)	425.8	28.4			G0/660
FVH (80°-90°)	9.2	0.6			G0/10
BL (0°-30°)	20.4	1.4	B0/110		
BM (30°-60°)	103.4	6.9	B0/220		
BH (60°-80°)	71.6	4.8	B0/110		G0/110
BVH (80°-90°)	1.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.2	0.2	0.2	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4
5°	6.4	6.0	4.4	2.4	1.3	0.9	0.7	0.4	0.4	0.4	0.4
7.5°	44.8	44.5	44.5	45.0	45.2	16.2	1.6	0.7	0.7	0.4	0.4
10°	43.0	42.8	42.8	43.4	44.1	44.3	42.5	1.1	0.9	0.4	0.4
12.5°	80.2	78.9	50.3	44.1	43.0	43.4	43.7	37.7	17.5	27.0	33.5
15°	80.4	79.8	80.4	81.5	65.1	45.4	66.3	64.7	64.7	47.6	65.4
17.5°	81.3	80.4	80.9	82.4	80.0	94.0	88.6	91.7	91.7	67.8	72.2
20°	120.1	119.9	121.7	89.1	99.5	116.6	96.6	118.5	120.8	100.8	104.4
22.5°	122.5	122.3	125.2	124.8	122.1	125.2	141.4	129.8	130.5	152.5	137.8
25°	170.6	166.6	135.2	132.7	160.4	148.7	169.5	156.4	155.1	184.4	174.8
27.5°	195.2	193.4	195.4	189.5	170.0	182.4	183.5	201.4	192.3	211.2	215.4
30°	237.3	238.4	228.5	218.5	222.7	211.6	220.7	244.9	243.7	239.3	271.7
32.5°	378.9	367.4	347.9	270.8	253.7	245.7	271.0	298.3	287.2	303.6	335.9
35°	501.4	475.7	443.4	388.4	315.1	293.8	324.6	351.4	344.6	377.6	375.6
37.5°	705.7	693.8	637.7	497.5	424.3	366.5	381.3	387.8	395.8	433.4	432.5
40°	826.5	812.8	773.1	662.1	535.6	454.7	448.3	451.6	454.2	492.1	494.8
42.5°	928.0	921.8	883.2	776.9	673.4	597.6	537.6	524.5	529.4	567.7	562.6
45°	996.9	989.6	954.8	880.6	794.8	755.8	641.3	615.8	617.1	638.4	634.4
47.5°	1012.0	1003.3	987.8	946.6	917.6	885.9	771.1	704.0	719.0	720.2	706.6
50°	958.4	947.7	960.8	951.0	995.4	1011.3	902.5	806.8	832.7	809.0	771.6
52.5°	825.6	829.0	869.3	898.8	998.2	1099.1	1043.7	924.7	942.2	882.4	832.9
55°	655.7	663.9	730.6	784.6	930.4	1123.7	1145.8	1033.9	1040.8	960.4	882.6
57.5°	482.8	493.9	575.9	636.2	799.0	1070.7	1195.9	1126.8	1140.3	1016.6	917.1
60°	297.1	307.3	400.2	491.9	613.3	918.5	1202.5	1196.3	1211.9	1056.3	951.9
62.5°	181.0	189.7	230.2	341.7	440.7	694.2	1147.1	1249.7	1257.5	1096.4	977.0
65°	111.5	109.9	126.3	207.6	294.0	429.2	1007.1	1273.9	1273.0	1120.6	993.8
67.5°	73.8	75.1	81.3	114.1	200.3	232.0	722.1	1226.5	1222.0	1132.3	987.2
70°	65.4	65.8	72.0	80.9	144.3	135.2	364.5	1055.9	1049.6	1100.6	945.7
72.5°	51.2	52.7	62.9	73.3	104.1	99.0	137.4	747.9	755.8	935.5	832.3
75°	36.3	37.4	47.6	64.0	77.8	75.8	77.6	385.6	409.0	621.1	609.8
77.5°	22.8	23.7	30.8	47.4	66.0	55.8	54.3	151.3	169.5	303.8	305.1
80°	15.7	16.0	19.1	31.9	47.4	45.9	36.8	60.5	61.2	110.1	105.7
82.5°	9.3	9.3	12.6	19.7	29.0	37.4	23.7	30.4	31.5	40.8	23.3
85°	3.3	3.5	6.9	11.3	16.2	19.7	14.2	16.6	17.3	21.1	11.1
87.5°	0.2	0.4	2.2	3.5	4.4	4.0	4.7	5.1	5.8	6.9	4.0
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.4	0.4	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2
5°	0.4	0.4	0.7	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2
7.5°	0.4	0.4	0.7	0.7	0.7	0.4	6.2	34.6	36.1	37.2	37.4
10°	1.3	0.9	0.7	0.7	0.7	35.9	37.2	36.3	35.7	35.0	35.2
12.5°	33.9	33.9	30.8	19.9	33.5	36.8	34.8	32.6	30.8	28.8	29.0
15°	65.1	64.7	57.2	49.2	56.3	36.1	29.9	39.7	33.9	29.9	29.2
17.5°	72.5	70.2	61.4	78.4	69.8	41.2	34.6	23.5	16.8	15.3	15.1
20°	104.4	101.5	89.5	95.1	63.8	47.6	20.8	13.3	12.0	14.4	14.8
22.5°	134.3	130.3	111.9	98.4	71.8	29.2	14.6	14.6	14.4	14.0	13.7
25°	172.6	165.5	150.0	103.0	56.9	19.3	16.0	13.1	11.7	10.9	10.9
27.5°	212.1	202.5	172.0	109.7	37.4	17.9	14.2	11.1	11.7	11.3	11.3
30°	269.7	256.6	200.3	102.6	24.4	16.6	12.0	10.9	9.5	9.1	8.9
32.5°	329.3	305.3	228.2	89.3	19.3	14.2	11.1	8.9	8.6	8.9	8.9
35°	367.4	345.0	258.4	64.9	16.8	12.4	9.1	8.2	7.5	7.3	7.3
37.5°	413.0	385.3	261.0	42.1	14.6	10.2	7.8	6.9	6.9	7.1	7.1
40°	467.8	437.4	250.4	25.9	12.6	8.4	6.6	6.2	6.0	6.0	6.0
42.5°	529.1	490.8	235.5	19.5	10.6	7.1	5.5	5.3	5.1	5.1	5.1
45°	594.7	544.7	215.2	16.2	8.9	6.0	4.7	4.4	4.4	4.2	4.2
47.5°	662.8	602.3	184.4	14.2	7.3	4.9	4.0	3.8	3.5	3.5	3.5
50°	721.0	655.0	146.7	12.2	6.2	4.2	3.1	2.9	2.9	2.7	2.7
52.5°	774.0	699.8	116.3	10.4	5.1	3.3	2.4	2.2	2.2	2.0	2.0
55°	814.8	733.0	86.9	8.6	4.2	2.7	1.8	1.6	1.6	1.3	1.6
57.5°	849.1	753.4	65.8	7.1	3.5	2.0	1.3	1.1	0.9	0.9	0.9
60°	881.7	769.8	48.5	5.5	2.9	1.6	0.9	0.7	0.4	0.4	0.4
62.5°	916.7	784.4	38.3	4.4	2.4	1.1	0.4	0.4	0.0	0.0	0.0
65°	943.1	793.5	29.7	3.5	2.0	0.7	0.4	0.2	0.0	0.0	0.0
67.5°	944.0	782.0	23.3	2.9	1.8	0.7	0.2	0.0	0.0	0.0	0.0
70°	910.1	733.0	17.3	2.7	1.6	0.7	0.4	0.2	0.0	0.0	0.0
72.5°	788.6	575.5	12.4	2.2	1.3	0.7	0.4	0.2	0.2	0.0	0.0
75°	570.4	340.1	8.6	2.0	1.3	0.7	0.7	0.4	0.4	0.4	0.0
77.5°	292.5	141.4	5.8	1.8	1.1	0.4	0.9	0.7	0.7	0.7	0.2
80°	85.8	48.7	3.5	1.6	1.1	0.4	0.9	0.9	0.9	0.9	0.2
82.5°	16.4	9.5	2.2	1.6	1.1	0.4	0.9	0.9	0.9	1.1	0.0
85°	6.4	3.8	1.6	1.3	1.1	0.4	0.9	0.9	1.1	1.1	0.0
87.5°	2.2	1.8	1.3	1.1	1.1	0.4	0.9	0.9	0.9	1.1	0.2
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)