

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: P414174

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-727-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1774 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

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

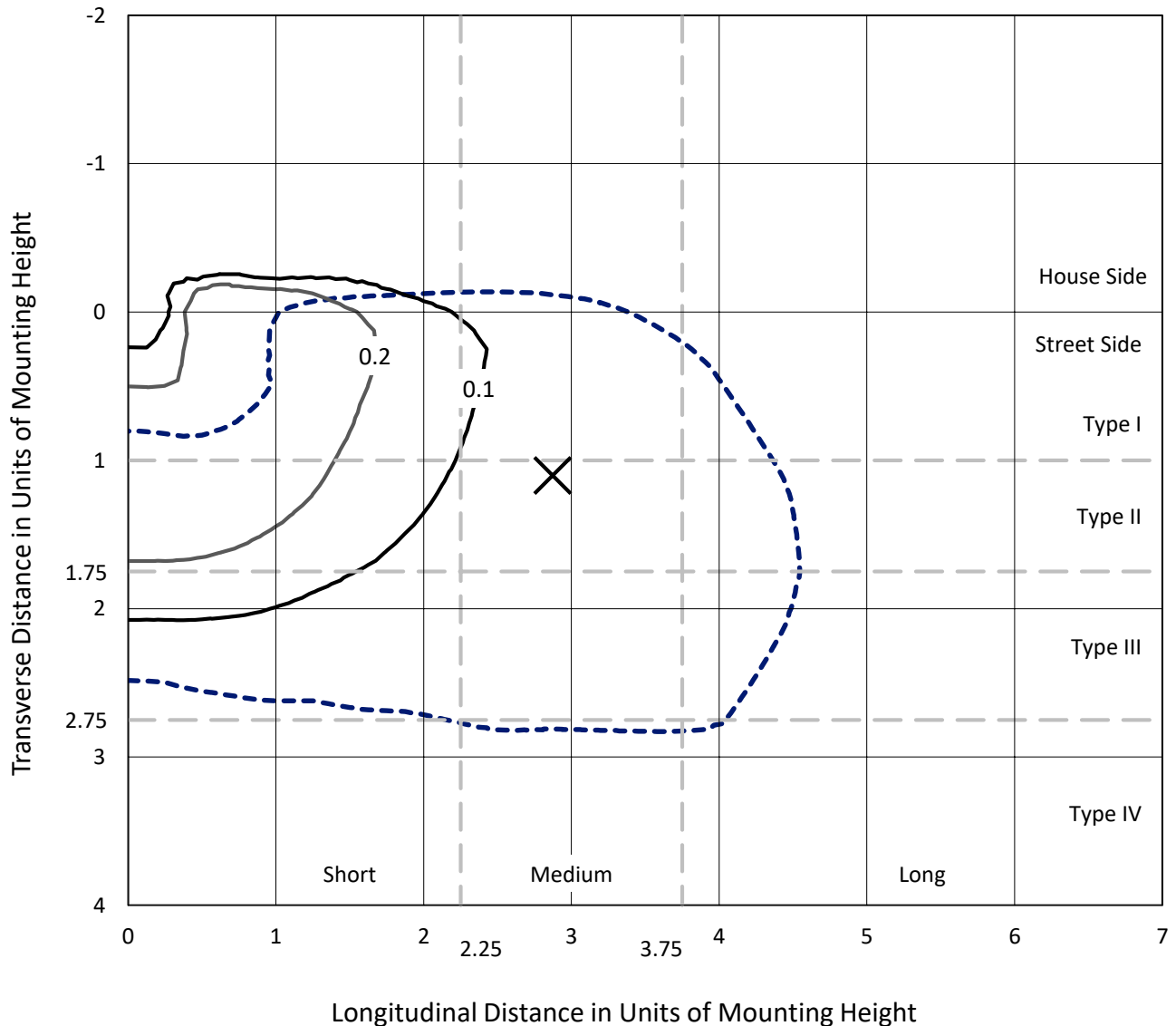


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

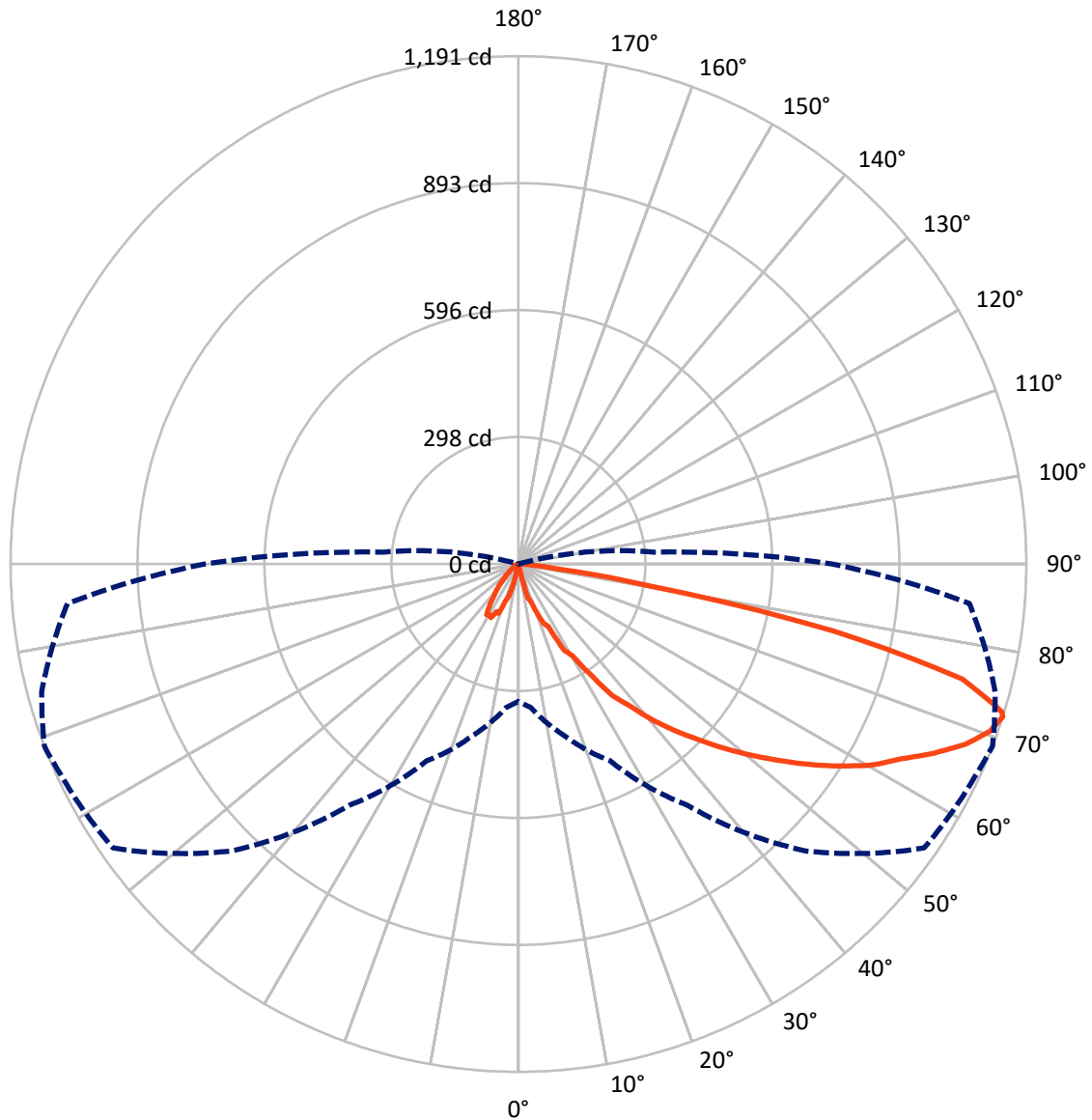


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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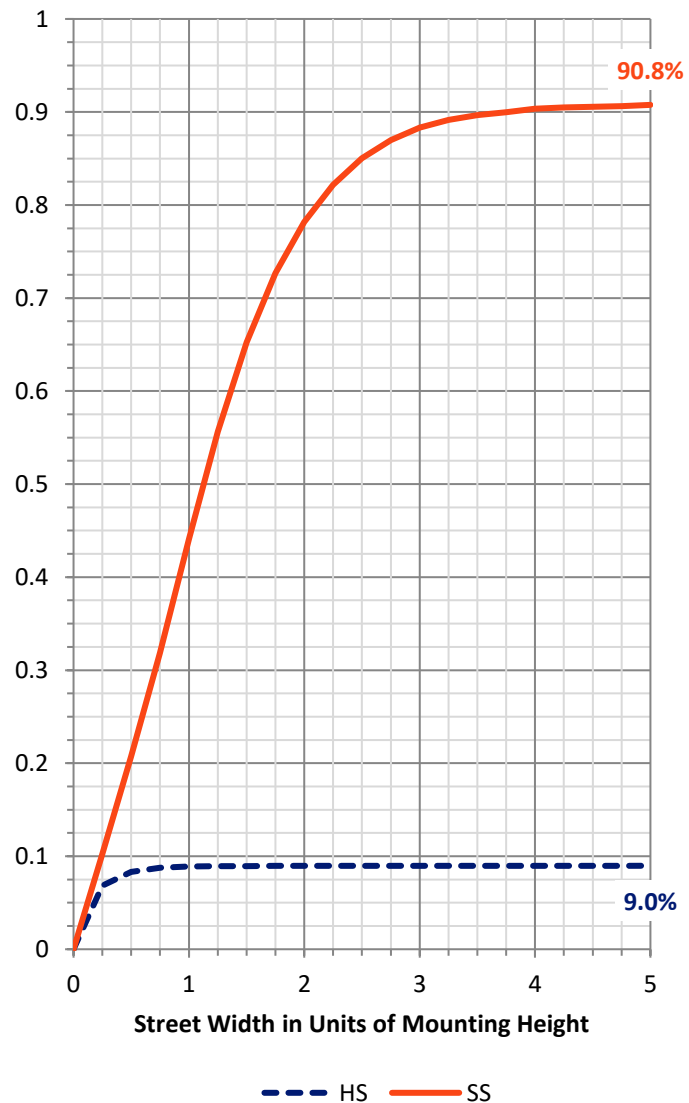
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	160.9	0.0	160.9
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	1613.1	0.0	1613.1
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	1774.0	0.0	1774.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.1
10°-20°	15.4	0.9
20°-30°	55.3	3.1
30°-40°	141.1	8.0
40°-50°	279.2	15.7
50°-60°	440.1	24.8
60°-70°	511.9	28.9
70°-80°	310.7	17.5
80°-90°	19.2	1.1
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°	1774.0	100.0
0°-180°	1774.0	100.0



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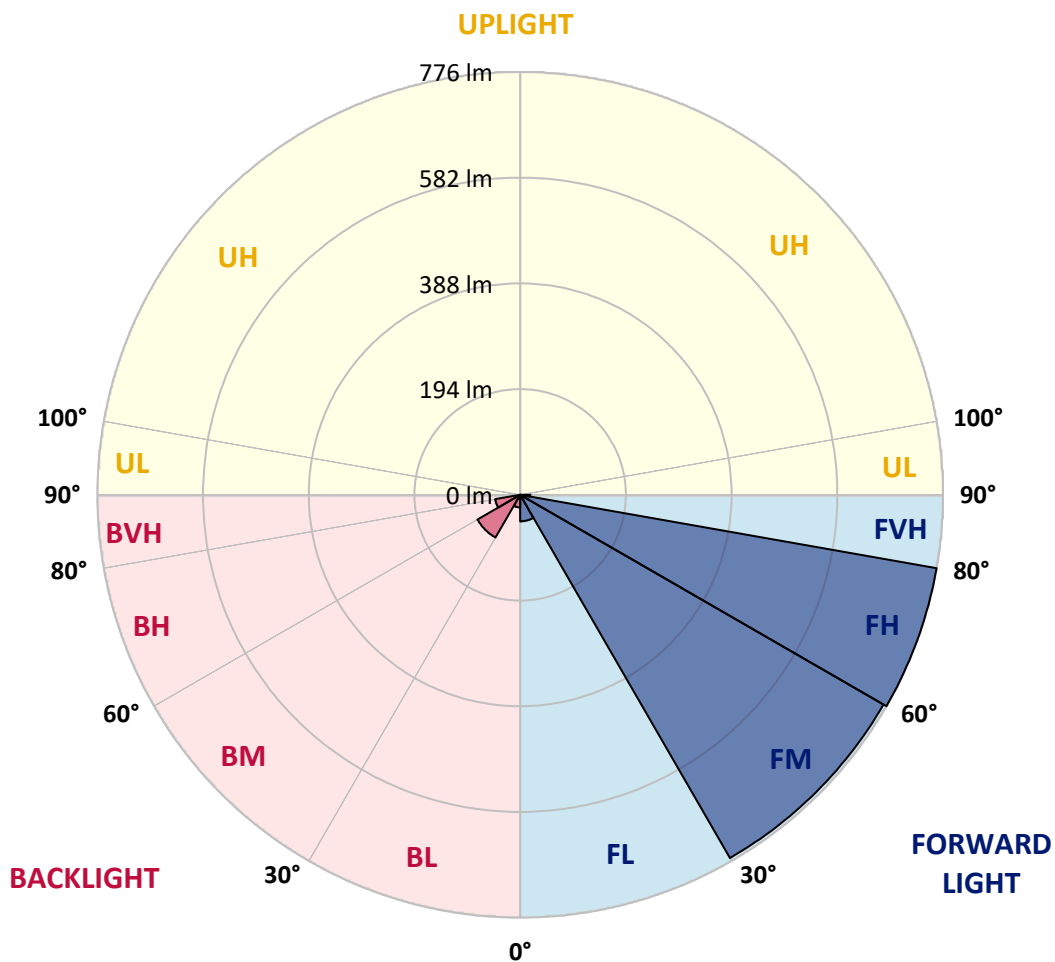
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	48.7	2.7			
FM	(30°-60°)	769.9	43.4			
FH	(60°-80°)	776.0	43.7			G1/1800
FVH	(80°-90°)	18.6	1.0			G1/100
BL	(0°-30°)	23.1	1.3	B0/110		
BM	(30°-60°)	90.6	5.1	B0/220		
BH	(60°-80°)	46.6	2.6	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.8	0.8	0.8	0.8	0.8
5°	24.7	16.1	12.1	10.1	5.0	1.3	0.8	0.8	0.8	0.8	0.8
7.5°	38.1	38.1	38.3	38.6	39.3	33.0	7.1	0.8	0.8	0.8	0.8
10°	36.8	36.6	36.6	37.1	38.1	39.1	40.1	5.3	1.3	0.8	0.8
12.5°	71.8	71.1	66.0	46.1	37.8	38.3	40.3	30.8	8.6	5.0	29.0
15°	71.1	70.8	71.3	72.6	73.1	40.8	59.7	81.2	82.9	56.0	67.8
17.5°	77.6	75.4	71.8	72.4	74.6	87.7	84.5	88.0	89.7	62.8	73.4
20°	107.4	107.1	107.6	84.5	78.9	111.2	97.8	95.5	118.7	124.3	137.9
22.5°	109.7	109.2	109.9	112.4	126.3	116.2	141.7	145.0	151.8	167.9	157.6
25°	153.5	153.5	126.0	117.5	143.9	131.3	175.5	164.9	161.3	180.2	202.7
27.5°	185.3	183.3	176.7	164.1	149.7	185.8	186.8	225.4	228.6	251.6	255.9
30°	234.7	231.9	214.5	204.7	185.8	195.4	218.1	268.0	249.8	268.2	286.9
32.5°	347.4	343.3	321.4	257.9	234.2	211.8	261.4	287.6	305.5	355.4	375.9
35°	450.0	423.8	393.8	345.4	283.9	275.3	282.1	356.7	377.9	393.3	413.9
37.5°	553.3	553.8	523.8	406.4	358.7	317.9	340.1	398.6	420.0	442.7	461.3
40°	636.3	623.7	583.6	497.4	423.3	382.4	385.2	439.4	477.5	505.9	509.7
42.5°	742.2	736.9	677.9	580.6	506.7	466.9	454.8	481.5	531.9	550.8	562.4
45°	843.5	835.7	785.5	675.4	595.9	551.3	534.7	534.9	584.6	604.8	621.4
47.5°	919.4	906.8	879.8	762.6	708.1	643.6	609.1	595.9	644.3	670.6	679.9
50°	998.8	978.1	956.7	861.1	804.9	749.0	682.9	668.3	703.3	732.6	740.1
52.5°	1052.0	1022.0	1007.1	931.5	891.6	856.1	756.8	740.4	765.4	799.9	793.8
55°	1025.0	1015.7	1031.8	992.2	953.7	914.3	837.2	823.8	830.4	859.4	845.0
57.5°	968.8	971.6	1019.2	1026.8	1009.4	972.3	909.3	907.0	893.7	917.4	898.7
60°	910.1	920.4	986.7	1024.5	1037.1	1024.8	985.4	968.8	956.9	973.6	959.0
62.5°	831.4	833.4	922.4	1004.3	1026.5	1065.6	1038.6	1030.6	1006.1	1030.8	1024.8
65°	732.6	735.1	818.8	935.0	994.8	1073.4	1080.2	1088.8	1069.9	1076.7	1095.8
67.5°	622.2	627.0	700.1	812.2	926.4	1058.0	1114.7	1131.1	1129.6	1127.6	1146.5
70°	503.7	507.0	566.5	664.8	816.0	1015.7	1146.8	1167.7	1173.5	1159.4	1146.0
72°	322.2	338.1	416.7	509.5	690.7	951.4	1161.1	1181.0	1191.1	1157.4	1061.6
72.5°	253.1	265.7	384.9	466.9	647.9	936.5	1158.4	1176.5	1185.8	1146.3	1025.8
75°	54.5	56.0	120.5	226.9	408.6	717.5	1062.3	1064.6	1074.7	998.8	702.3
77.5°	23.4	23.7	33.5	74.9	146.7	366.8	735.4	756.3	755.5	646.4	339.6
80°	16.4	16.9	19.9	34.3	69.8	106.1	359.2	361.5	311.1	231.2	84.7
82.5°	8.6	9.1	14.1	20.4	47.4	38.8	116.2	117.2	86.5	54.5	19.7
85°	1.5	2.3	6.8	12.4	18.4	15.6	25.5	32.0	27.7	21.7	8.3
87.5°	0.3	0.3	1.8	1.8	2.5	1.5	2.5	2.8	3.0	4.5	2.3
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.0	23.2	31.3	33.3	35.5
10°	0.8	1.0	0.8	0.8	0.5	31.8	39.1	39.6	40.1	40.1	39.8
12.5°	32.0	32.8	11.6	2.3	29.5	40.3	38.3	35.0	32.0	31.0	30.8
15°	68.6	68.8	62.3	53.7	57.2	38.1	30.0	34.0	34.5	33.3	33.3
17.5°	73.9	73.9	70.6	86.2	72.4	38.1	31.5	26.0	22.2	21.2	20.9
20°	146.2	128.1	103.6	87.5	59.0	42.6	22.2	18.9	18.4	18.4	19.2
22.5°	157.8	155.5	134.9	118.0	50.7	30.0	21.7	21.7	25.7	25.2	25.0
25°	206.0	202.9	152.8	102.6	50.7	25.7	27.5	24.2	23.7	23.2	22.7
27.5°	260.4	254.1	214.8	92.8	35.8	27.0	26.2	22.9	27.2	27.2	27.0
30°	296.5	272.8	216.3	83.2	30.3	28.7	24.7	26.7	24.2	22.7	22.7
32.5°	384.2	373.3	264.4	58.7	28.7	26.0	26.0	22.9	20.4	21.2	20.9
35°	411.9	397.8	235.5	44.1	26.5	23.9	21.7	20.2	17.4	15.6	15.4
37.5°	446.2	427.8	197.6	34.0	26.0	21.2	17.9	15.4	13.4	13.4	13.1
40°	488.3	460.3	161.6	29.0	22.9	18.2	13.9	11.8	10.6	9.8	9.6
42.5°	534.4	491.1	124.3	26.2	19.9	14.9	10.3	8.6	7.8	7.6	7.6
45°	583.1	519.6	89.2	23.9	17.4	11.6	7.6	6.1	5.8	5.8	5.8
47.5°	632.8	540.2	60.8	21.7	14.6	8.6	5.5	4.5	4.5	4.3	4.3
50°	681.4	554.3	41.8	19.4	11.8	6.1	4.0	3.8	3.8	3.5	3.5
52.5°	716.7	551.1	31.3	16.9	9.3	4.5	3.3	3.0	3.0	3.0	3.0
55°	751.0	543.8	25.7	14.4	7.1	3.3	2.5	2.3	2.3	2.3	2.3
57.5°	786.3	533.9	22.2	11.6	5.0	2.5	1.8	1.8	1.8	1.8	1.8
60°	815.5	514.8	19.2	9.3	3.5	1.8	1.5	1.3	1.3	1.3	1.3
62.5°	848.0	495.4	16.4	7.1	2.5	1.3	1.0	0.8	0.8	0.5	0.8
65°	871.2	471.7	13.4	5.0	1.8	1.0	0.8	0.5	0.3	0.0	0.3
67.5°	870.7	440.2	9.6	3.3	1.3	0.8	0.5	0.3	0.0	0.0	0.0
70°	832.7	395.0	6.6	2.3	1.0	0.5	0.5	0.3	0.0	0.0	0.0
72°	734.8	318.6	5.0	2.0	1.0	0.5	0.5	0.3	0.0	0.0	0.0
72.5°	700.6	292.4	4.5	1.8	1.0	0.5	0.5	0.3	0.0	0.0	0.0
75°	444.9	121.8	3.5	1.5	1.0	0.5	0.5	0.3	0.3	0.3	0.0
77.5°	206.7	44.6	2.5	1.3	0.8	0.5	0.5	0.3	0.3	0.5	0.0
80°	45.1	13.1	1.8	1.3	0.8	0.5	0.5	0.5	0.5	0.8	0.0
82.5°	10.3	4.3	1.5	1.0	0.8	0.5	0.5	0.5	0.5	0.8	0.0
85°	3.8	2.5	1.5	1.3	1.0	0.5	0.5	0.8	0.8	1.0	0.0
87.5°	1.5	1.5	1.3	1.3	1.0	0.5	0.8	0.8	1.0	1.0	0.0
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)