

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: P414480

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-830-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2224 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

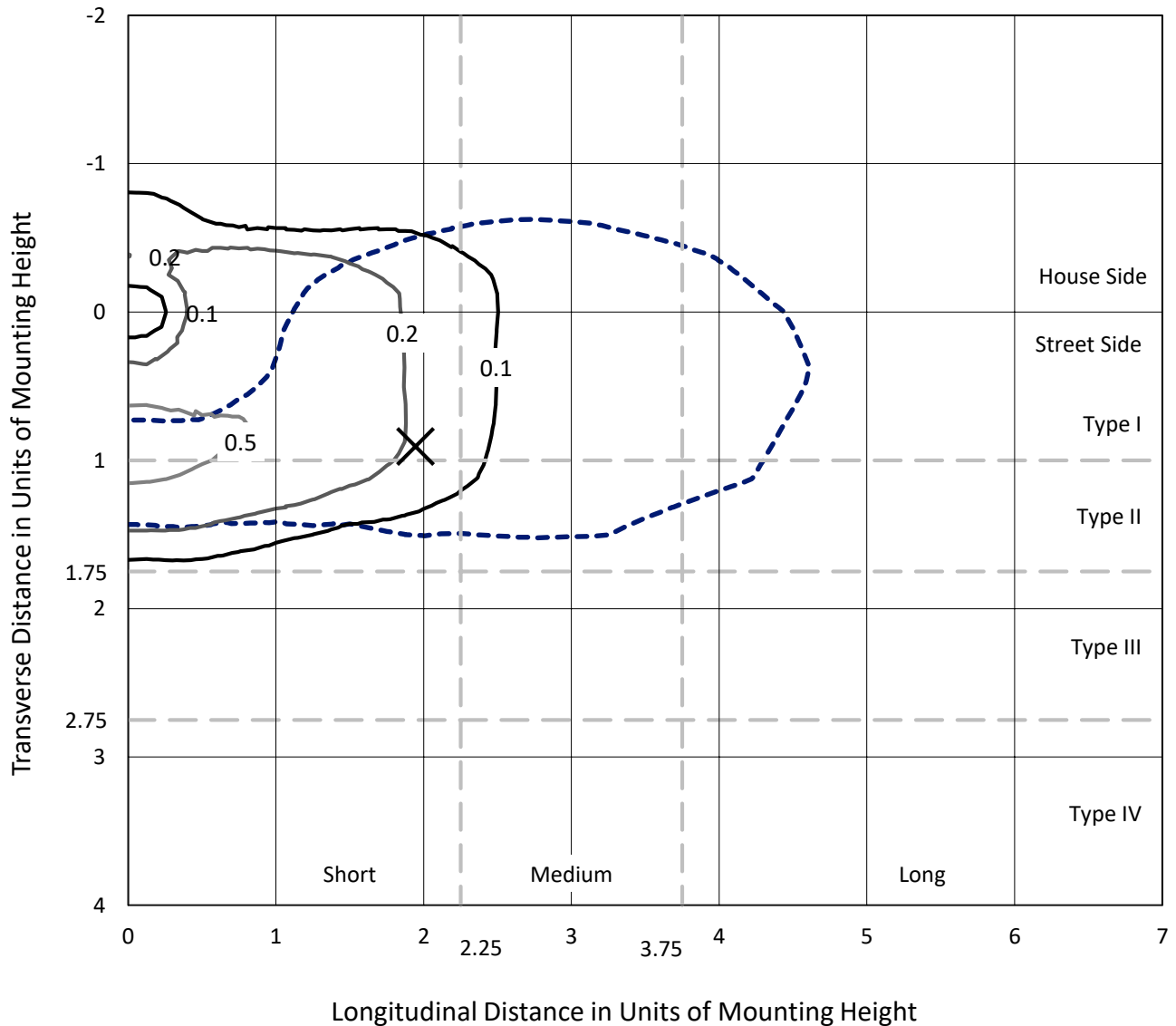
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

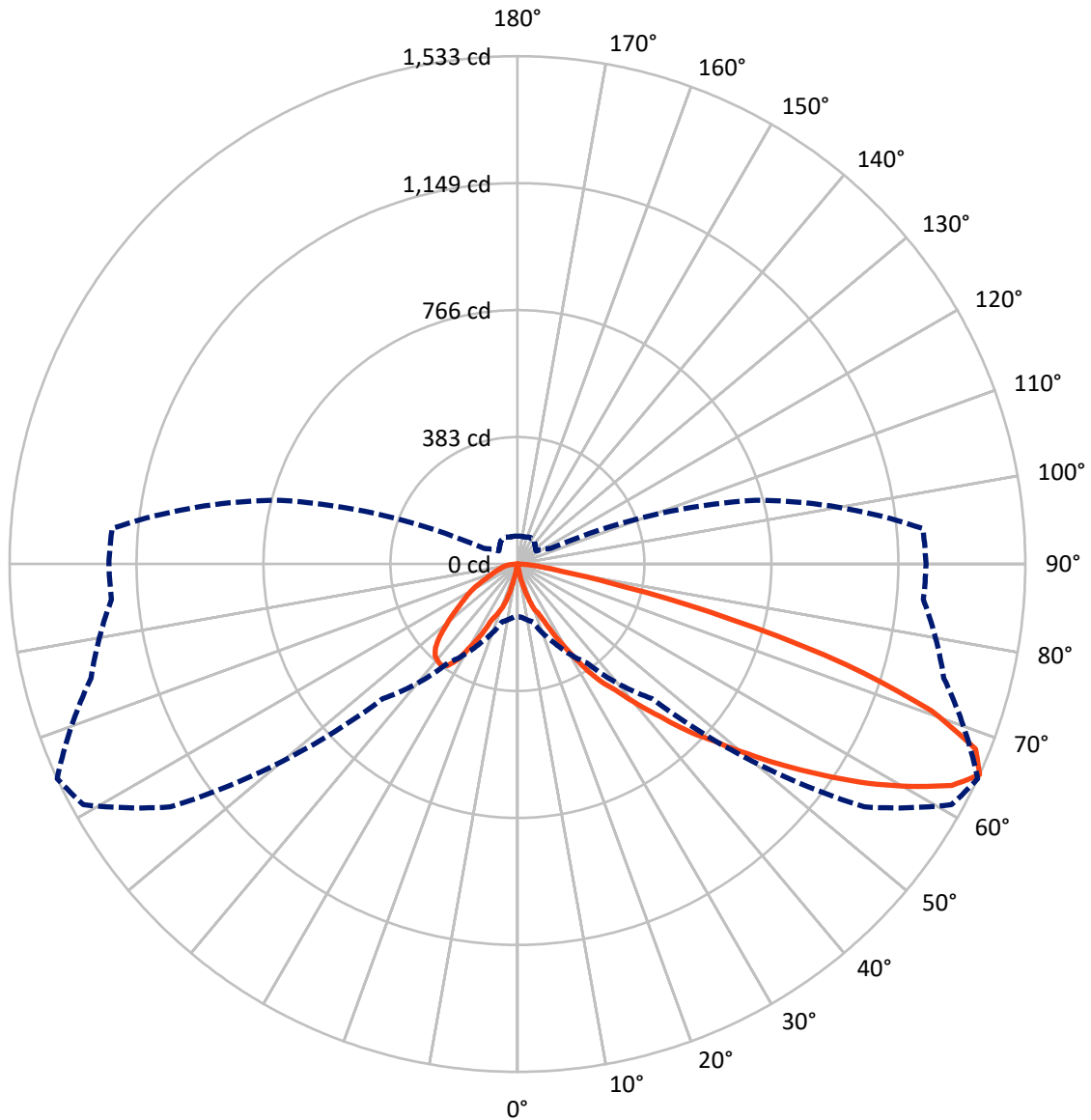
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type II - Short - Non-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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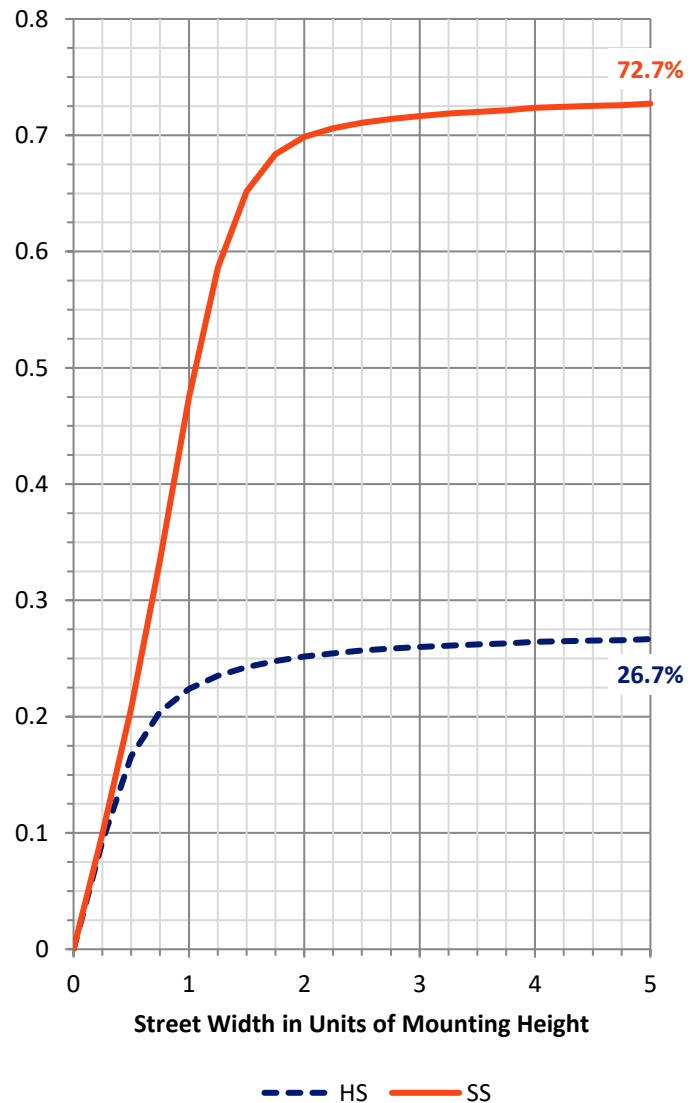
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.1	0.0	600.1
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	1623.9	0.0	1623.9
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	2224.0	0.0	2224.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	24.6	1.1
20°-30°	94.6	4.3
30°-40°	236.7	10.6
40°-50°	440.8	19.8
50°-60°	577.2	26.0
60°-70°	517.4	23.3
70°-80°	284.6	12.8
80°-90°	46.5	2.1
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°	2224.0	100.0
0°-180°	2224.0	100.0



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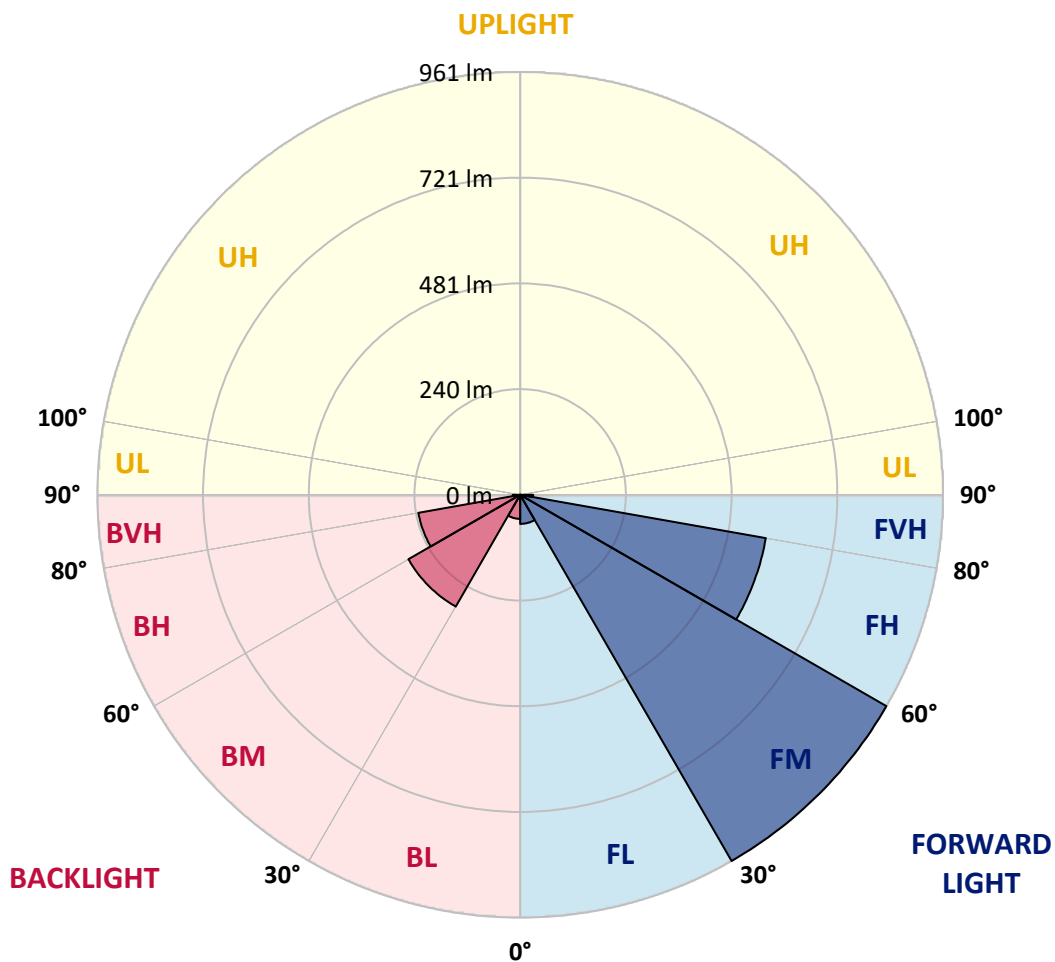
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	66.1	3.0			
FM	(30°-60°)	961.2	43.2			
FH	(60°-80°)	567.0	25.5			G0/660
FVH	(80°-90°)	29.5	1.3			G1/100
BL	(0°-30°)	54.7	2.5	B0/110		
BM	(30°-60°)	293.4	13.2	B1/1000		
BH	(60°-80°)	235.0	10.6	B1/500		G1/500
BVH	(80°-90°)	17.0	0.8			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°	61°	65°	75°	85°
0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.2	1.2	1.4	1.7	1.7	1.4	1.2	1.0	0.7	0.5	0.5
5°	11.0	9.8	7.7	5.3	3.1	2.4	1.9	1.4	1.2	0.7	0.5
7.5°	53.9	53.6	53.4	53.6	52.4	20.6	3.8	2.4	1.9	1.0	0.7
10°	54.1	53.9	53.6	54.1	54.1	53.4	50.8	7.4	3.8	2.4	2.4
12.5°	96.3	92.9	64.2	56.5	54.6	54.6	54.6	48.9	46.5	34.2	41.4
15°	101.1	100.3	100.1	100.6	89.1	58.9	82.4	77.6	78.5	67.1	79.5
17.5°	106.3	105.1	104.2	104.4	100.3	115.7	108.2	110.6	111.6	84.8	92.9
20°	164.8	164.8	152.3	115.4	126.7	145.1	119.7	131.5	145.6	126.7	130.0
22.5°	187.0	185.3	183.7	174.1	159.2	158.3	174.1	152.5	161.9	186.1	171.9
25°	254.3	254.8	213.6	200.9	222.5	194.0	207.9	206.7	195.6	225.6	217.9
27.5°	321.8	322.8	318.3	283.3	254.3	249.5	236.6	255.0	252.2	250.2	268.2
30°	384.8	384.6	364.0	349.4	333.8	306.0	291.7	295.5	307.0	296.5	334.5
32.5°	535.5	531.4	509.4	416.7	392.7	366.6	362.6	351.8	374.8	367.3	402.5
35°	635.8	634.8	594.8	542.6	467.0	438.0	438.5	418.4	437.3	446.9	452.4
37.5°	859.9	856.6	795.8	642.7	583.1	523.5	512.5	502.9	483.2	511.0	510.8
40°	980.6	971.0	917.4	816.6	684.6	612.8	589.8	569.2	555.1	571.4	569.2
42.5°	1074.5	1067.1	1029.2	924.8	817.1	761.3	675.5	655.9	627.4	646.8	636.8
45°	1141.8	1138.0	1104.2	1026.6	944.0	903.0	772.3	741.6	717.0	714.3	708.4
47.5°	1154.7	1146.6	1136.5	1092.9	1057.7	1045.5	892.0	839.1	798.4	790.7	780.7
50°	1093.7	1091.3	1104.4	1096.5	1139.4	1167.9	1030.2	956.9	899.9	872.9	853.5
52.5°	952.1	957.2	1007.7	1042.9	1149.7	1253.1	1160.0	1089.1	1011.3	951.7	925.6
55°	756.5	774.7	849.6	922.9	1085.3	1290.0	1283.1	1227.3	1126.9	1039.8	1001.2
57.5°	581.0	579.0	675.5	742.1	954.5	1265.4	1363.1	1347.3	1248.6	1131.3	1073.5
60°	376.4	374.8	488.8	574.0	735.7	1138.9	1404.5	1445.9	1362.8	1210.3	1138.7
62.5°	245.7	256.0	299.3	420.5	525.4	880.8	1390.6	1507.2	1471.5	1283.6	1201.2
65°	158.1	161.9	180.8	262.0	364.2	574.5	1278.0	1498.1	1532.6	1332.4	1229.7
67.5°	117.8	118.8	127.9	162.8	247.9	300.3	1003.1	1371.7	1491.2	1335.8	1220.3
70°	103.5	105.4	114.2	122.8	184.4	188.9	586.5	1102.8	1325.0	1287.6	1173.2
72.5°	88.4	90.3	102.0	114.5	141.0	141.8	219.4	732.8	1037.4	1189.9	1097.5
75°	72.1	73.3	83.6	100.3	117.6	113.7	126.9	331.2	664.0	989.0	979.0
77.5°	58.2	59.1	66.6	80.0	104.2	87.2	94.6	142.0	330.0	714.1	793.1
80°	42.1	42.6	49.8	61.3	78.3	77.8	70.6	90.0	136.3	417.2	525.2
82.5°	26.8	26.8	34.2	40.2	52.0	76.9	49.6	60.6	76.2	207.6	252.6
85°	15.1	15.6	21.6	23.5	30.4	46.7	35.7	33.5	41.2	75.2	62.3
87.5°	2.9	3.6	6.2	6.7	7.9	11.0	12.9	11.7	12.2	17.5	10.3
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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	0.5	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7
5°	0.5	0.7	1.0	1.0	1.2	1.7	1.9	1.9	2.2	2.4	2.2
7.5°	0.5	0.7	1.0	1.4	1.9	3.8	13.9	49.1	52.7	53.4	54.4
10°	2.2	2.2	2.4	2.6	10.8	51.5	55.3	55.8	56.3	56.5	56.8
12.5°	42.1	41.7	41.4	31.8	49.1	56.8	57.5	58.0	58.7	69.9	75.7
15°	80.5	80.7	76.6	73.5	85.5	62.3	66.3	102.5	106.1	107.3	108.0
17.5°	92.2	96.3	85.5	113.5	112.6	94.8	104.4	109.9	110.4	111.1	111.4
20°	131.0	130.0	124.5	142.2	121.9	155.9	129.3	111.4	140.1	154.2	154.5
22.5°	170.0	170.3	162.4	164.3	175.3	160.4	129.6	147.0	150.6	150.4	149.7
25°	219.1	217.2	213.4	182.7	206.9	174.6	172.4	142.5	143.0	154.5	161.9
27.5°	268.0	263.2	248.1	236.8	214.8	194.2	162.8	154.2	166.2	165.5	165.7
30°	335.5	328.1	286.4	285.0	228.0	192.3	165.7	153.5	149.4	150.4	149.9
32.5°	403.0	389.6	352.0	339.8	243.1	179.1	152.1	141.8	153.5	155.2	154.2
35°	444.7	433.7	420.7	372.1	244.7	165.0	137.7	140.1	139.4	138.7	139.1
37.5°	493.3	475.3	464.1	383.2	230.8	147.3	131.2	129.3	140.8	141.0	140.1
40°	547.7	527.3	502.2	378.1	199.2	133.4	121.9	128.1	128.8	126.0	125.2
42.5°	609.0	579.3	541.9	371.4	165.2	125.2	118.3	119.0	119.5	116.4	115.2
45°	670.8	636.0	575.9	352.7	140.6	117.1	112.8	112.6	110.2	107.3	106.6
47.5°	740.0	699.3	603.9	320.2	123.1	110.9	109.2	104.6	105.4	102.7	102.5
50°	811.3	767.5	620.0	281.1	111.6	105.6	102.7	101.3	103.2	100.1	99.6
52.5°	881.2	844.6	645.4	246.2	101.8	101.1	99.9	100.3	101.1	97.7	97.5
55°	957.2	930.8	668.6	212.9	93.2	94.8	98.9	98.7	98.4	95.3	95.3
57.5°	1026.8	1013.9	692.3	187.3	86.4	89.3	96.7	96.7	95.5	92.9	92.7
60°	1107.8	1098.2	714.8	164.3	80.7	84.3	94.1	94.4	92.2	90.3	89.8
62.5°	1181.3	1174.1	732.8	140.1	74.5	80.0	90.3	92.0	88.8	87.4	87.4
65°	1233.0	1228.0	742.6	110.2	68.5	75.7	86.2	88.6	84.5	84.3	84.3
67.5°	1237.6	1234.5	722.2	92.0	64.2	71.6	81.2	83.6	80.0	80.7	79.3
70°	1195.2	1172.4	664.5	76.6	59.9	66.3	75.2	78.1	74.5	74.7	72.3
72.5°	1105.6	1040.0	562.5	65.1	55.1	60.6	68.7	71.4	68.0	67.3	64.7
75°	955.0	853.7	391.5	56.5	50.0	54.4	60.8	63.5	61.3	57.7	57.0
77.5°	739.7	625.7	239.9	48.9	45.5	47.9	52.7	54.1	52.0	47.7	46.9
80°	466.2	375.2	115.7	42.4	39.5	40.7	43.8	45.0	43.3	39.0	36.6
82.5°	213.6	162.1	61.1	34.2	32.1	32.1	35.2	34.2	32.8	28.7	23.2
85°	49.8	51.2	28.3	21.1	20.4	18.2	21.1	20.8	18.7	14.4	12.0
87.5°	8.1	9.1	7.2	6.5	5.3	4.1	4.5	3.8	3.4	1.7	0.7
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)