

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: P414330

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414330  
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-PA1-20-750-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2121 lumens  
Efficiency: N/A  
Efficacy: 101.0 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

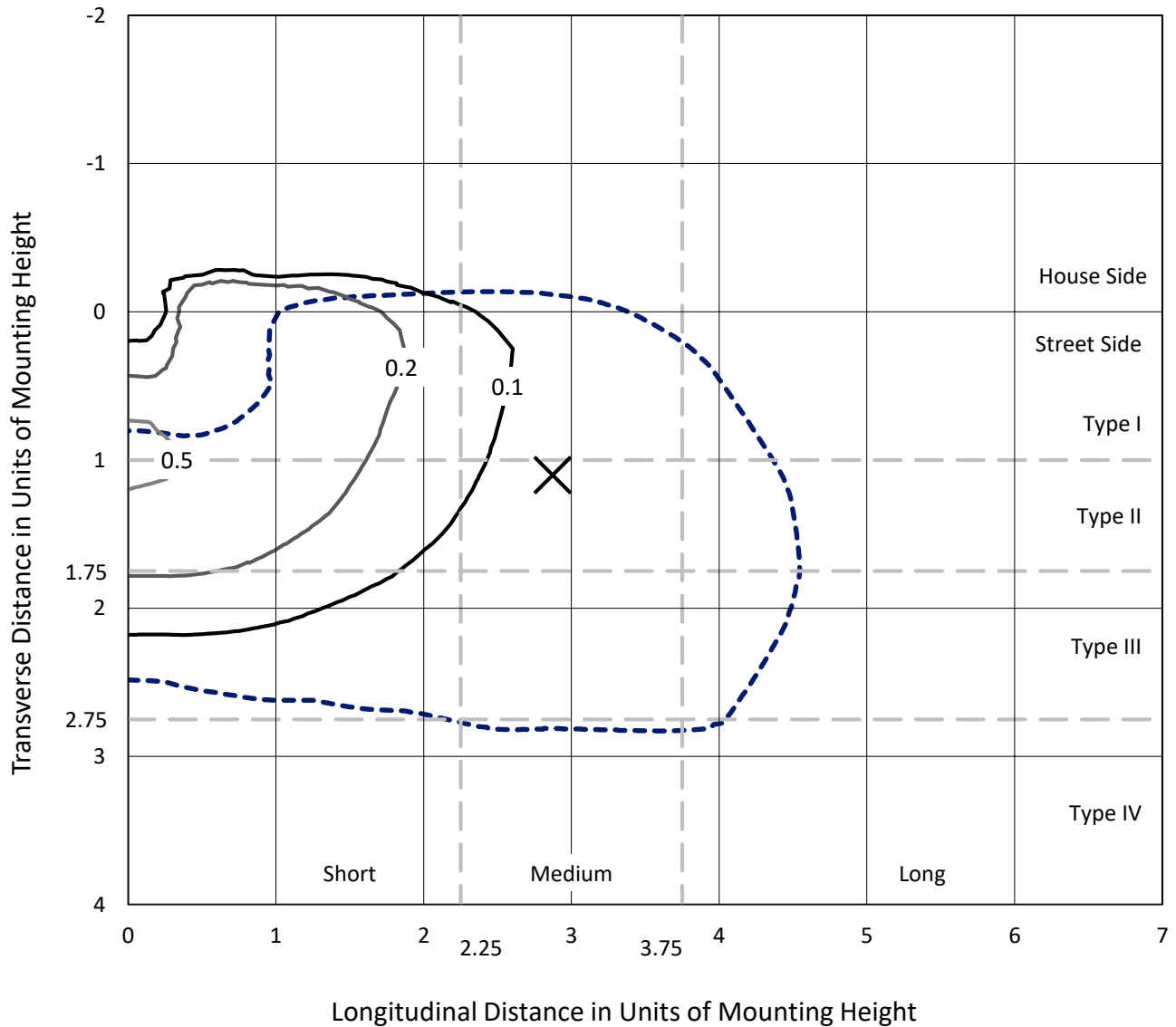


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

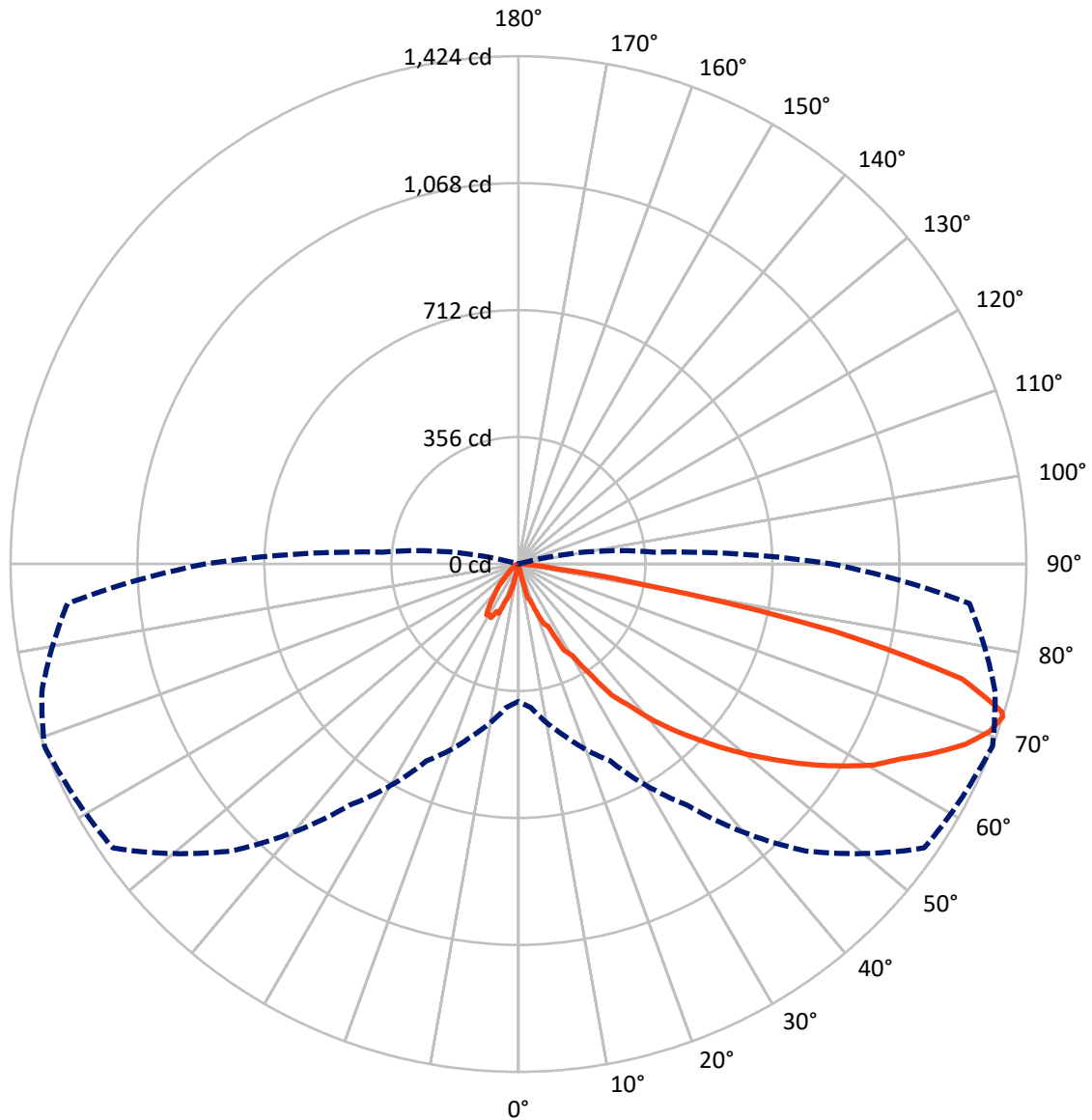


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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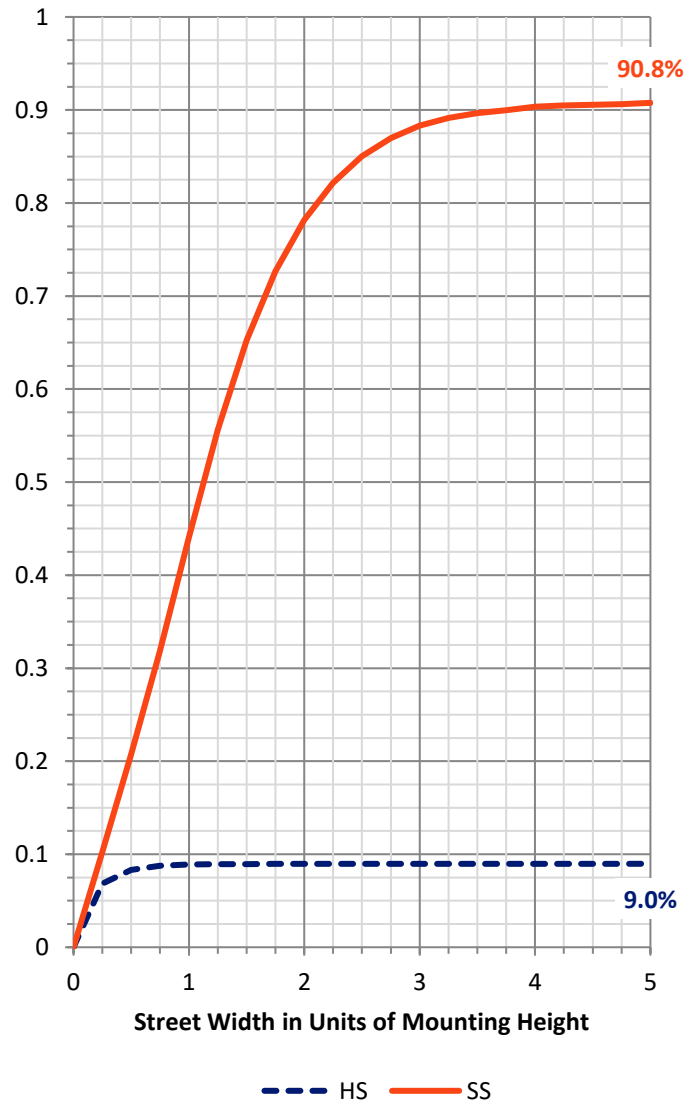
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	192.3	0.0	192.3
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	1928.7	0.0	1928.7
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	2121.0	0.0	2121.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	18.4	0.9
20°-30°	66.1	3.1
30°-40°	168.7	8.0
40°-50°	333.9	15.7
50°-60°	526.1	24.8
60°-70°	612.0	28.9
70°-80°	371.5	17.5
80°-90°	23.0	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°	2121.0	100.0
0°-180°	2121.0	100.0



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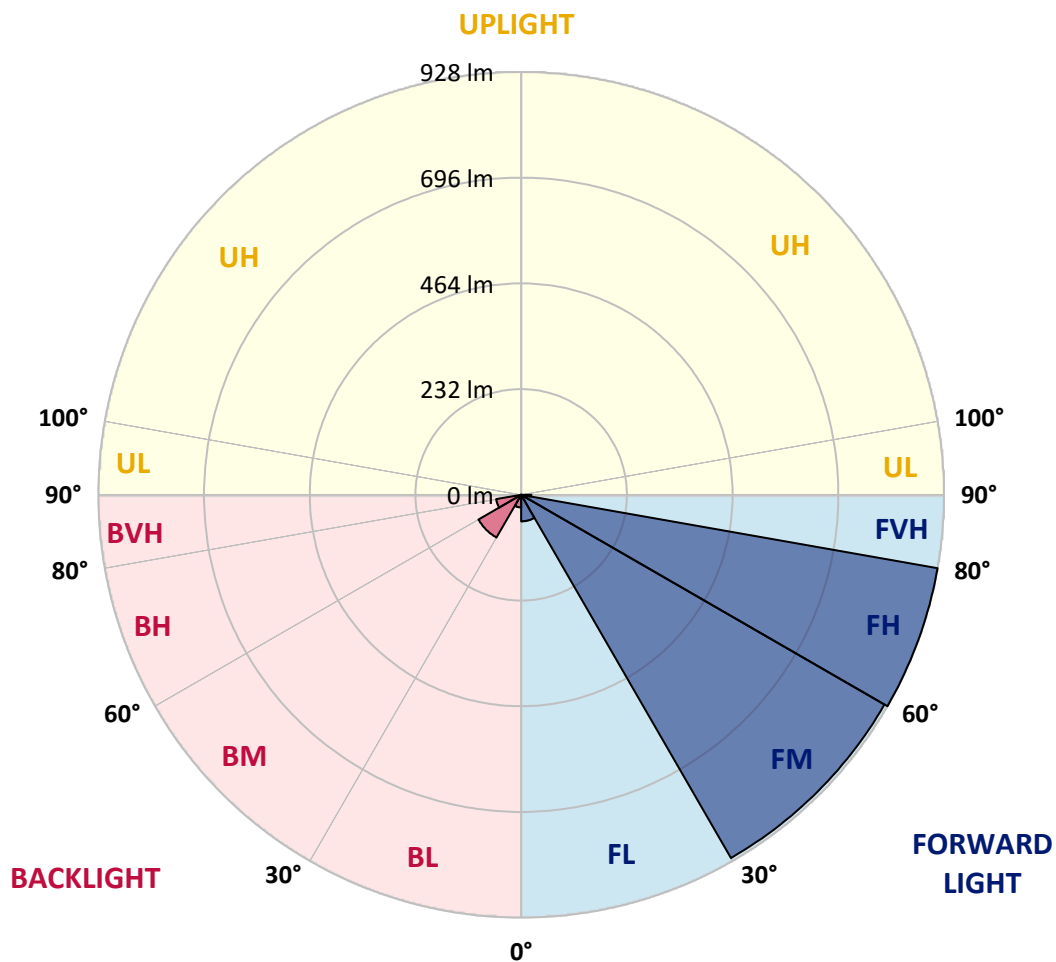
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.2	2.7			
FM	(30°-60°)	920.5	43.4			
FH	(60°-80°)	927.8	43.7			G1/1800
FVH	(80°-90°)	22.2	1.0			G1/100
BL	(0°-30°)	27.6	1.3	B0/110		
BM	(30°-60°)	108.3	5.1	B0/220		
BH	(60°-80°)	55.7	2.6	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.3	0.3	0.3	0.3	0.6	0.6	0.9	0.9	0.9	0.9	0.9
5°	29.5	19.3	14.5	12.1	6.0	1.5	0.9	0.9	0.9	0.9	0.9
7.5°	45.5	45.5	45.8	46.1	47.0	39.5	8.4	0.9	0.9	0.9	0.9
10°	44.0	43.7	43.7	44.3	45.5	46.7	47.9	6.3	1.5	0.9	0.9
12.5°	85.9	85.0	79.0	55.2	45.2	45.8	48.2	36.8	10.2	6.0	34.7
15°	85.0	84.7	85.3	86.8	87.4	48.8	71.4	97.1	99.2	66.9	81.1
17.5°	92.8	90.1	85.9	86.5	89.2	104.9	101.0	105.2	107.3	75.0	87.7
20°	128.4	128.1	128.7	101.0	94.3	132.9	116.9	114.2	142.0	148.6	164.9
22.5°	131.1	130.5	131.4	134.4	151.0	138.9	169.4	173.3	181.4	200.7	188.4
25°	183.6	183.6	150.7	140.5	172.1	157.0	209.8	197.1	192.9	215.5	242.3
27.5°	221.5	219.1	211.3	196.2	179.0	222.1	223.3	269.5	273.4	300.8	305.9
30°	280.6	277.3	256.5	244.7	222.1	233.6	260.7	320.4	298.7	320.7	343.0
32.5°	415.3	410.5	384.3	308.3	280.0	253.2	312.6	343.9	365.3	425.0	449.4
35°	538.0	506.7	470.8	412.9	339.4	329.1	337.3	426.5	451.8	470.2	494.9
37.5°	661.6	662.2	626.3	485.9	428.9	380.1	406.6	476.5	502.1	529.3	551.6
40°	760.7	745.7	697.7	594.7	506.1	457.2	460.5	525.3	570.9	604.9	609.4
42.5°	887.3	881.0	810.5	694.1	605.8	558.2	543.7	575.7	636.0	658.6	672.4
45°	1008.5	999.1	939.2	807.5	712.5	659.2	639.3	639.6	699.0	723.1	743.0
47.5°	1099.2	1084.1	1051.9	911.7	846.6	769.5	728.2	712.5	770.4	801.7	812.9
50°	1194.2	1169.4	1143.8	1029.6	962.4	895.5	816.5	799.0	840.9	875.9	884.9
52.5°	1257.7	1221.9	1204.1	1113.7	1066.1	1023.6	904.8	885.2	915.1	956.3	949.1
55°	1225.5	1214.3	1233.6	1186.3	1140.2	1093.2	1001.0	985.0	992.8	1027.5	1010.3
57.5°	1158.3	1161.6	1218.6	1227.6	1206.8	1162.5	1087.2	1084.4	1068.5	1096.8	1074.5
60°	1088.1	1100.4	1179.7	1224.9	1240.0	1225.2	1178.2	1158.3	1144.1	1164.0	1146.5
62.5°	994.0	996.4	1102.8	1200.8	1227.3	1274.0	1241.8	1232.1	1202.9	1232.4	1225.2
65°	875.9	878.9	979.0	1117.9	1189.3	1283.4	1291.5	1301.8	1279.1	1287.3	1310.2
67.5°	743.9	749.6	837.0	971.1	1107.7	1265.0	1332.8	1352.4	1350.6	1348.2	1370.8
70°	602.2	606.1	677.2	794.8	975.6	1214.3	1371.1	1396.1	1403.0	1386.1	1370.2
72°	385.2	404.2	498.2	609.1	825.8	1137.5	1388.3	1412.1	1424.1	1383.7	1269.2
72.5°	302.6	317.7	460.2	558.2	774.6	1119.7	1384.9	1406.6	1417.8	1370.5	1226.4
75°	65.1	66.9	144.1	271.3	488.6	857.8	1270.1	1272.8	1284.9	1194.2	839.7
77.5°	28.0	28.3	40.1	89.5	175.4	438.5	879.2	904.2	903.3	772.8	406.0
80°	19.6	20.2	23.8	41.0	83.5	126.9	429.5	432.2	371.9	276.4	101.3
82.5°	10.2	10.9	16.9	24.4	56.7	46.4	138.9	140.2	103.4	65.1	23.5
85°	1.8	2.7	8.1	14.8	22.0	18.7	30.4	38.3	33.2	25.9	9.9
87.5°	0.3	0.3	2.1	2.1	3.0	1.8	3.0	3.3	3.6	5.4	2.7
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.9	0.6	0.3	0.0	27.7	37.4	39.8	42.5
10°	0.9	1.2	0.9	0.9	0.6	38.0	46.7	47.3	47.9	47.9	47.6
12.5°	38.3	39.2	13.9	2.7	35.3	48.2	45.8	41.9	38.3	37.1	36.8
15°	82.0	82.3	74.4	64.2	68.4	45.5	35.9	40.7	41.3	39.8	39.8
17.5°	88.3	88.3	84.4	103.1	86.5	45.5	37.7	31.0	26.5	25.3	25.0
20°	174.8	153.1	123.9	104.6	70.5	50.9	26.5	22.6	22.0	22.0	22.9
22.5°	188.7	186.0	161.2	141.1	60.6	35.9	25.9	25.9	30.7	30.1	29.8
25°	246.2	242.6	182.6	122.7	60.6	30.7	32.9	28.9	28.3	27.7	27.1
27.5°	311.3	303.8	256.8	110.9	42.8	32.2	31.3	27.4	32.6	32.6	32.2
30°	354.4	326.1	258.6	99.5	36.2	34.4	29.5	31.9	28.9	27.1	27.1
32.5°	459.3	446.4	316.2	70.2	34.4	31.0	31.0	27.4	24.4	25.3	25.0
35°	492.5	475.6	281.5	52.7	31.6	28.6	25.9	24.1	20.8	18.7	18.4
37.5°	533.5	511.5	236.3	40.7	31.0	25.3	21.4	18.4	16.0	16.0	15.7
40°	583.8	550.4	193.2	34.7	27.4	21.7	16.6	14.2	12.7	11.8	11.5
42.5°	639.0	587.1	148.6	31.3	23.8	17.8	12.4	10.2	9.3	9.0	9.0
45°	697.1	621.2	106.7	28.6	20.8	13.9	9.0	7.2	6.9	6.9	6.9
47.5°	756.5	645.9	72.6	25.9	17.5	10.2	6.6	5.4	5.4	5.1	5.1
50°	814.7	662.8	50.0	23.2	14.2	7.2	4.8	4.5	4.5	4.2	4.2
52.5°	856.9	658.9	37.4	20.2	11.2	5.4	3.9	3.6	3.6	3.6	3.6
55°	897.9	650.1	30.7	17.2	8.4	3.9	3.0	2.7	2.7	2.7	2.7
57.5°	940.1	638.4	26.5	13.9	6.0	3.0	2.1	2.1	2.1	2.1	2.1
60°	975.0	615.5	22.9	11.2	4.2	2.1	1.8	1.5	1.5	1.5	1.5
62.5°	1013.9	592.3	19.6	8.4	3.0	1.5	1.2	0.9	0.9	0.6	0.9
65°	1041.6	563.9	16.0	6.0	2.1	1.2	0.9	0.6	0.3	0.0	0.3
67.5°	1041.0	526.2	11.5	3.9	1.5	0.9	0.6	0.3	0.0	0.0	0.0
70°	995.5	472.3	7.8	2.7	1.2	0.6	0.6	0.3	0.0	0.0	0.0
72°	878.6	381.0	6.0	2.4	1.2	0.6	0.6	0.3	0.0	0.0	0.0
72.5°	837.6	349.6	5.4	2.1	1.2	0.6	0.6	0.3	0.0	0.0	0.0
75°	532.0	145.6	4.2	1.8	1.2	0.6	0.6	0.3	0.3	0.3	0.0
77.5°	247.1	53.3	3.0	1.5	0.9	0.6	0.6	0.3	0.3	0.6	0.0
80°	54.0	15.7	2.1	1.5	0.9	0.6	0.6	0.6	0.6	0.9	0.0
82.5°	12.4	5.1	1.8	1.2	0.9	0.6	0.6	0.6	0.6	0.9	0.0
85°	4.5	3.0	1.8	1.5	1.2	0.6	0.6	0.9	0.9	1.2	0.0
87.5°	1.8	1.8	1.5	1.5	1.2	0.6	0.9	0.9	1.2	1.2	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)