

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: P414911

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2320 lumens  
Efficiency: N/A  
Efficacy: 74.8 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): 31  
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

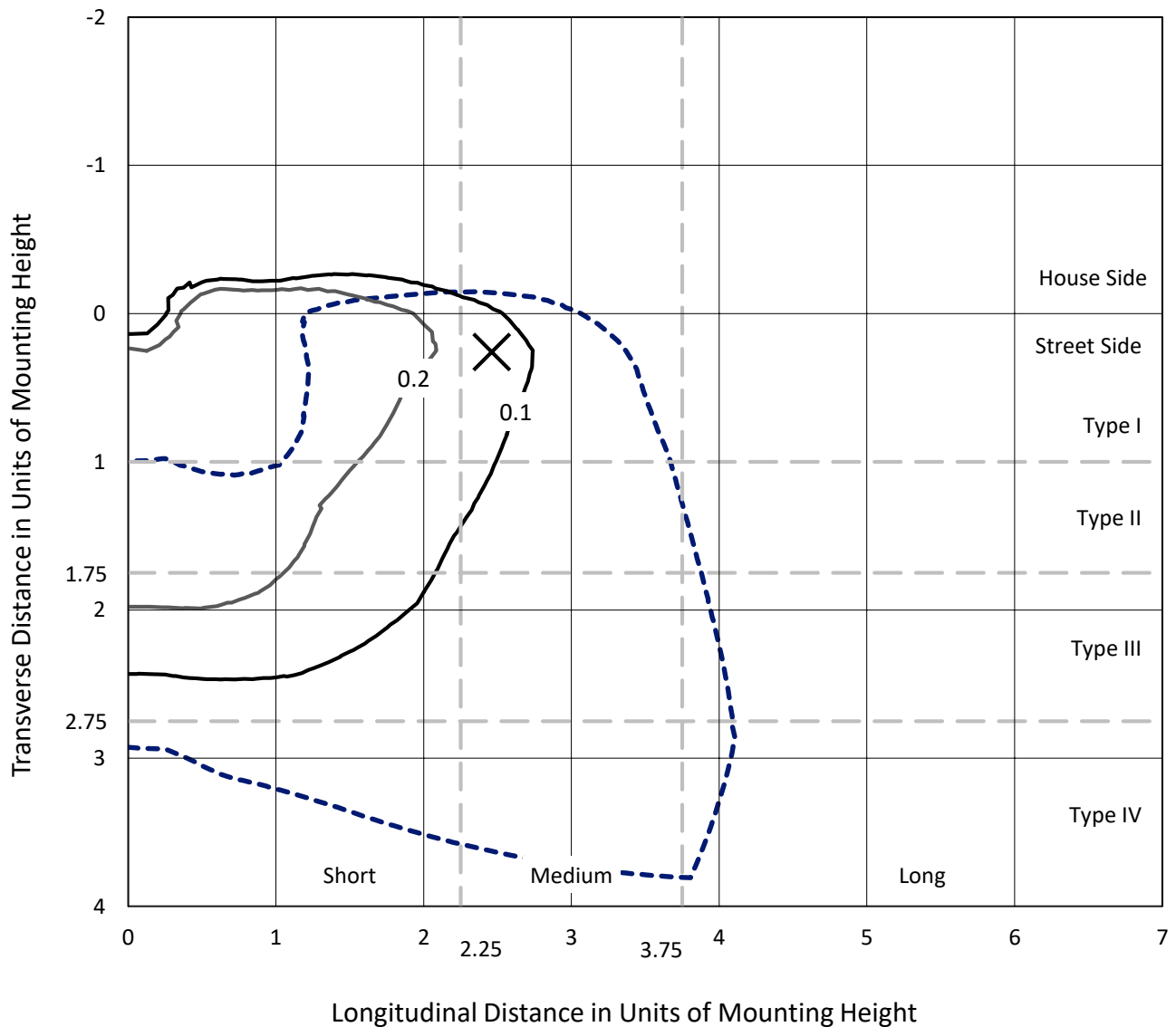


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### Iso-Footcandle Lines of Horizontal Illumination

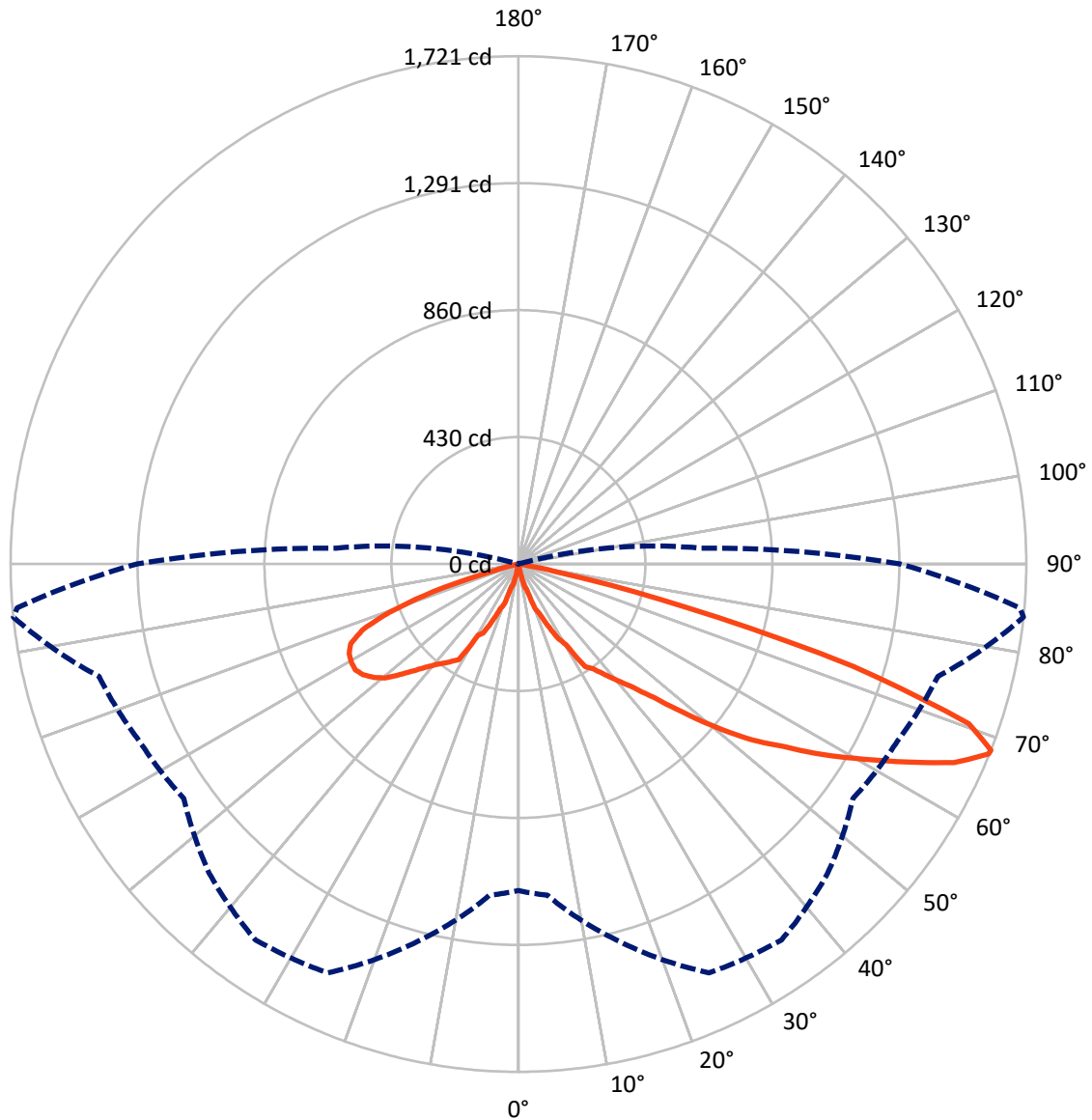
× Max cd  
 - - - 1/2 Max cd



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 84-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



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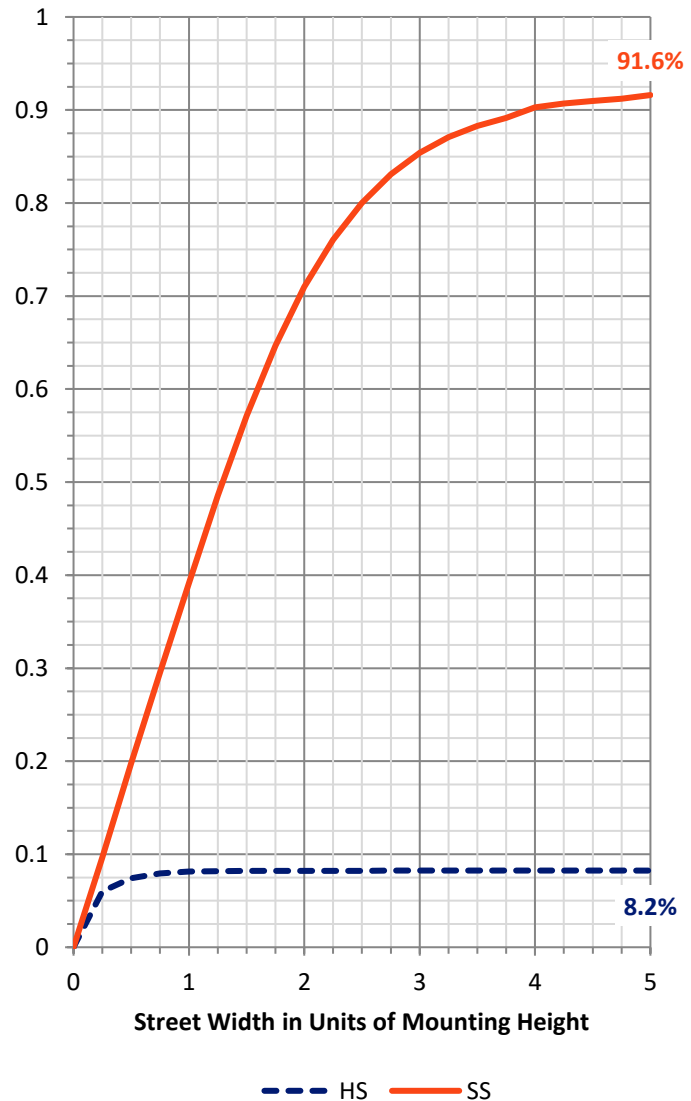
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	192.8	0.0	192.8
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	2127.2	0.0	2127.2
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	2320.0	0.0	2320.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	21.0	0.9
20°-30°	75.2	3.2
30°-40°	160.6	6.9
40°-50°	287.1	12.4
50°-60°	509.3	22.0
60°-70°	732.0	31.6
70°-80°	492.7	21.2
80°-90°	40.5	1.7
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°	2320.0	100.0
0°-180°	2320.0	100.0



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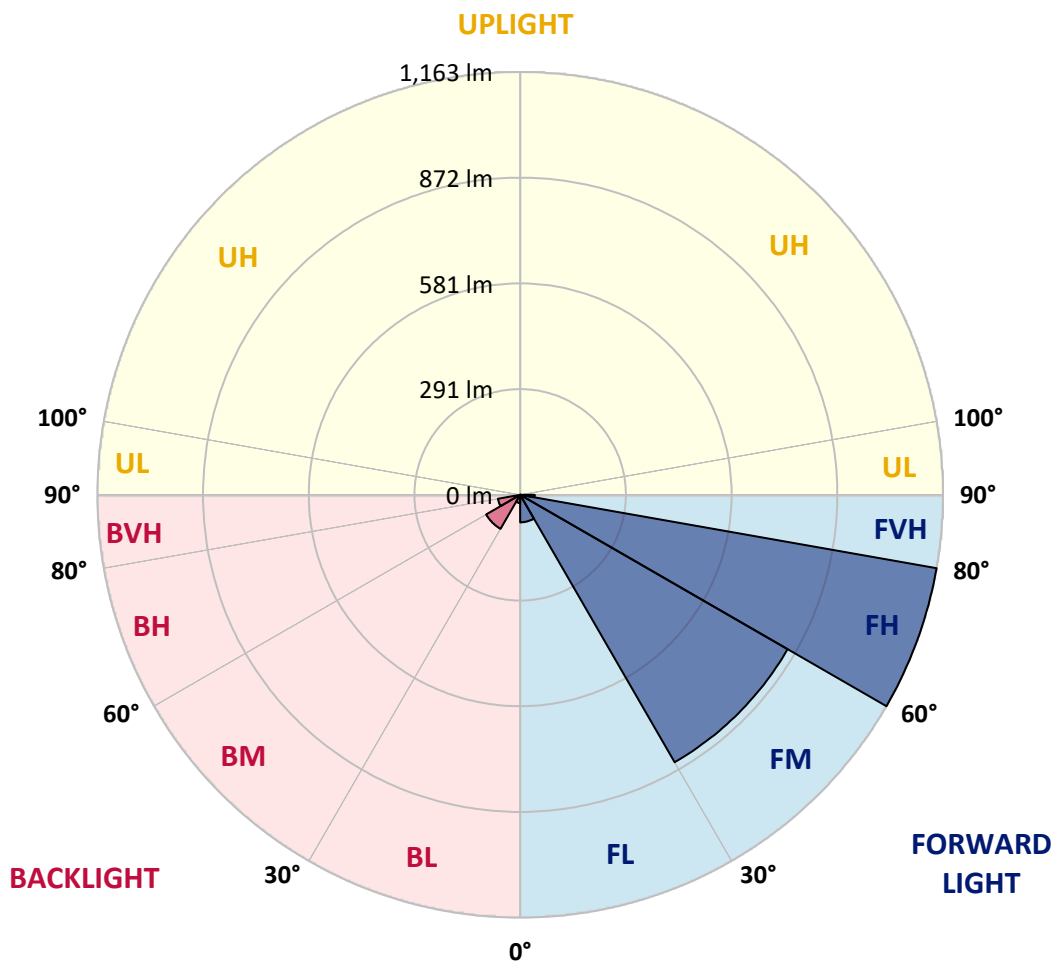
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.6	3.3			
FM	(30°-60°)	849.0	36.6			
FH	(60°-80°)	1162.7	50.1			G1/1800
FVH	(80°-90°)	39.9	1.7			G1/100
BL	(0°-30°)	22.1	1.0	B0/110		
BM	(30°-60°)	108.0	4.7	B0/220		
BH	(60°-80°)	62.0	2.7	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	75°	84°	85°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.3	0.3	0.0	0.3	0.3	0.7	0.7	1.0	1.0	1.0	1.0
5°	17.8	15.1	14.8	13.1	9.4	2.4	0.7	1.0	1.0	1.0	1.0
7.5°	63.8	62.8	62.2	60.8	59.5	45.7	9.1	1.0	1.0	1.0	1.0
10°	68.5	67.2	66.2	64.5	62.5	60.1	57.5	7.4	1.0	1.0	1.0
12.5°	141.8	140.1	97.1	80.3	66.2	62.8	60.8	31.6	29.2	33.3	38.0
15°	149.2	147.8	144.1	139.4	125.3	70.9	95.4	118.6	77.3	82.3	82.3
17.5°	166.3	163.6	150.9	143.8	138.1	151.9	139.4	127.0	83.3	88.4	88.4
20°	232.9	232.2	228.5	159.6	145.2	192.2	151.9	135.4	153.9	160.6	152.9
22.5°	234.9	234.2	231.5	222.4	228.2	197.6	218.1	204.6	210.0	183.5	182.1
25°	311.5	308.8	247.3	226.5	257.4	210.7	259.4	225.8	221.8	229.2	229.2
27.5°	317.2	316.5	314.5	301.4	264.1	298.4	267.1	292.3	298.0	283.3	291.0
30°	361.2	339.0	327.3	319.5	311.1	313.2	311.8	336.3	310.5	316.5	313.2
32.5°	420.4	418.3	412.3	340.7	345.8	326.9	363.6	359.9	401.5	414.6	412.6
35°	502.7	470.4	431.1	394.1	358.9	388.4	375.7	418.7	429.1	435.1	447.6
37.5°	574.9	564.5	527.9	418.0	397.5	399.9	429.8	448.6	464.0	474.8	480.2
40°	641.1	633.4	608.9	488.6	418.3	434.1	458.7	469.1	499.7	519.5	519.8
42.5°	739.2	743.9	721.1	552.4	474.8	482.2	503.0	504.7	531.9	571.6	572.9
45°	861.9	855.5	849.8	645.1	528.5	523.8	552.7	548.7	590.7	646.5	653.2
47.5°	980.1	971.1	955.6	752.0	603.1	570.5	610.9	614.2	679.8	751.0	753.7
50°	1071.5	1068.2	1052.7	876.3	702.3	635.1	675.4	715.0	784.6	870.3	876.0
52.5°	1172.3	1164.6	1137.4	992.9	829.6	732.2	752.7	822.2	895.1	989.2	988.5
55°	1239.6	1240.6	1214.7	1111.9	945.2	842.0	850.1	957.0	995.9	1092.0	1099.1
57.5°	1328.9	1321.5	1328.6	1251.6	1101.8	953.6	972.4	1064.8	1099.8	1218.4	1223.1
60°	1395.5	1398.1	1433.1	1380.7	1223.1	1067.2	1083.3	1152.9	1203.3	1342.0	1356.8
62.5°	1397.8	1412.3	1506.3	1510.0	1354.5	1190.2	1179.7	1242.9	1287.3	1476.4	1494.2
65°	1269.8	1278.5	1490.6	1544.3	1476.4	1310.8	1271.5	1318.8	1370.3	1621.9	1625.3
67.5°	1141.4	1144.1	1348.8	1534.2	1549.7	1455.6	1369.3	1401.8	1451.6	1717.7	1705.9
68°	1106.5	1126.6	1324.2	1528.5	1554.4	1481.8	1384.0	1417.6	1471.4	1720.7	1704.3
70°	1003.0	1024.5	1206.3	1464.7	1552.0	1580.6	1465.0	1469.7	1483.8	1619.2	1566.5
72.5°	674.4	688.8	954.6	1246.6	1501.6	1695.5	1555.4	1438.8	1331.3	1187.1	1140.4
75°	259.4	261.1	481.2	856.8	1298.4	1638.1	1460.0	1213.0	904.2	577.9	542.7
77.5°	96.8	95.1	139.4	397.2	824.2	1272.8	1090.0	743.6	376.7	151.5	148.2
80°	34.3	35.3	54.1	119.6	335.0	743.6	606.8	302.7	110.9	33.6	30.9
82.5°	13.4	14.4	27.6	56.8	143.8	312.2	259.1	128.7	64.9	12.8	12.1
85°	3.0	3.4	10.8	28.2	54.8	90.4	91.1	78.6	53.8	6.0	5.7
87.5°	0.3	0.7	3.0	3.7	4.4	2.4	7.7	8.1	14.8	2.4	2.4
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	1.0	1.0	1.0	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0
5°	1.0	1.0	1.0	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	1.0	1.0	1.0	0.7	0.3	0.3	0.0	29.6	30.6	31.6	31.9
10°	1.0	1.0	1.0	0.7	0.7	30.9	36.3	34.9	32.6	31.6	31.9
12.5°	36.6	35.6	11.4	2.4	28.2	33.9	27.9	23.2	20.8	19.2	19.2
15°	80.0	76.9	64.2	49.1	46.0	26.2	17.8	15.1	22.2	26.9	26.9
17.5°	85.0	81.3	71.9	71.2	46.7	22.8	18.5	23.9	25.2	26.5	26.5
20°	164.6	147.5	101.5	68.2	34.3	27.9	23.2	22.8	23.9	25.5	25.9
22.5°	176.4	168.0	127.7	82.7	31.2	30.2	26.9	25.5	34.3	37.3	37.3
25°	224.1	216.1	137.4	65.9	38.0	30.9	33.9	31.9	32.6	35.3	35.3
27.5°	286.6	271.8	180.4	55.4	35.3	33.6	34.6	31.9	37.6	44.7	44.7
30°	317.5	288.0	172.7	49.1	36.0	36.6	33.3	39.0	39.0	41.7	42.0
32.5°	423.7	403.2	194.6	41.3	36.0	33.6	36.3	37.0	36.3	47.0	47.4
35°	450.9	426.4	166.7	43.0	34.3	32.6	32.6	36.6	39.0	41.3	41.7
37.5°	484.2	452.3	131.0	40.3	35.6	31.6	29.9	31.2	34.3	40.3	40.7
40°	526.5	480.5	100.8	38.0	33.3	28.9	27.2	28.6	28.6	30.2	30.6
42.5°	583.7	514.1	74.6	36.3	31.2	26.5	23.9	22.2	21.2	20.8	21.2
45°	661.9	557.1	55.8	34.6	29.9	23.5	19.8	16.1	13.4	13.4	13.8
47.5°	755.0	605.2	45.4	31.9	27.9	20.2	15.1	10.4	8.4	8.7	9.1
50°	854.1	655.9	39.6	29.6	25.5	16.5	10.1	6.4	5.4	5.7	6.0
52.5°	945.9	688.8	37.3	27.2	22.5	12.8	6.4	4.4	4.0	4.0	4.4
55°	1037.9	713.7	35.3	24.9	18.1	8.4	3.7	3.4	3.4	3.0	3.0
57.5°	1123.6	728.5	31.9	21.5	12.8	5.0	2.7	2.7	2.4	2.4	2.4
60°	1202.3	726.8	25.5	16.1	8.1	3.0	2.0	2.0	1.7	1.7	1.7
62.5°	1282.6	719.4	18.1	11.4	5.4	2.0	1.3	1.3	1.0	0.7	1.0
65°	1330.9	698.6	12.1	8.1	3.4	1.3	1.0	0.7	0.3	0.0	0.3
67.5°	1310.8	638.1	9.1	6.0	2.4	1.0	0.7	0.3	0.0	0.0	0.0
68°	1292.3	618.9	8.4	5.7	2.0	1.0	0.7	0.3	0.0	0.0	0.0
70°	1146.8	515.8	7.4	4.7	1.7	1.0	0.7	0.3	0.0	0.0	0.0
72.5°	765.1	335.0	6.0	3.7	1.3	0.7	0.7	0.3	0.0	0.0	0.0
75°	352.8	107.5	4.7	3.0	1.0	0.7	0.7	0.3	0.0	0.0	0.0
77.5°	94.1	22.8	3.0	2.0	1.0	0.7	0.7	0.3	0.3	0.3	0.0
80°	22.5	7.1	2.0	1.7	1.0	0.7	0.7	0.3	0.3	0.3	0.0
82.5°	8.4	3.7	1.3	1.3	1.0	0.7	0.7	0.3	0.7	0.7	0.0
85°	3.7	2.4	1.3	1.3	1.0	0.7	0.7	0.7	0.7	1.0	0.0
87.5°	1.7	1.7	1.3	1.3	1.3	0.7	1.0	1.0	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)