

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: P414884

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)  
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-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2439 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B0 - U0 - G1

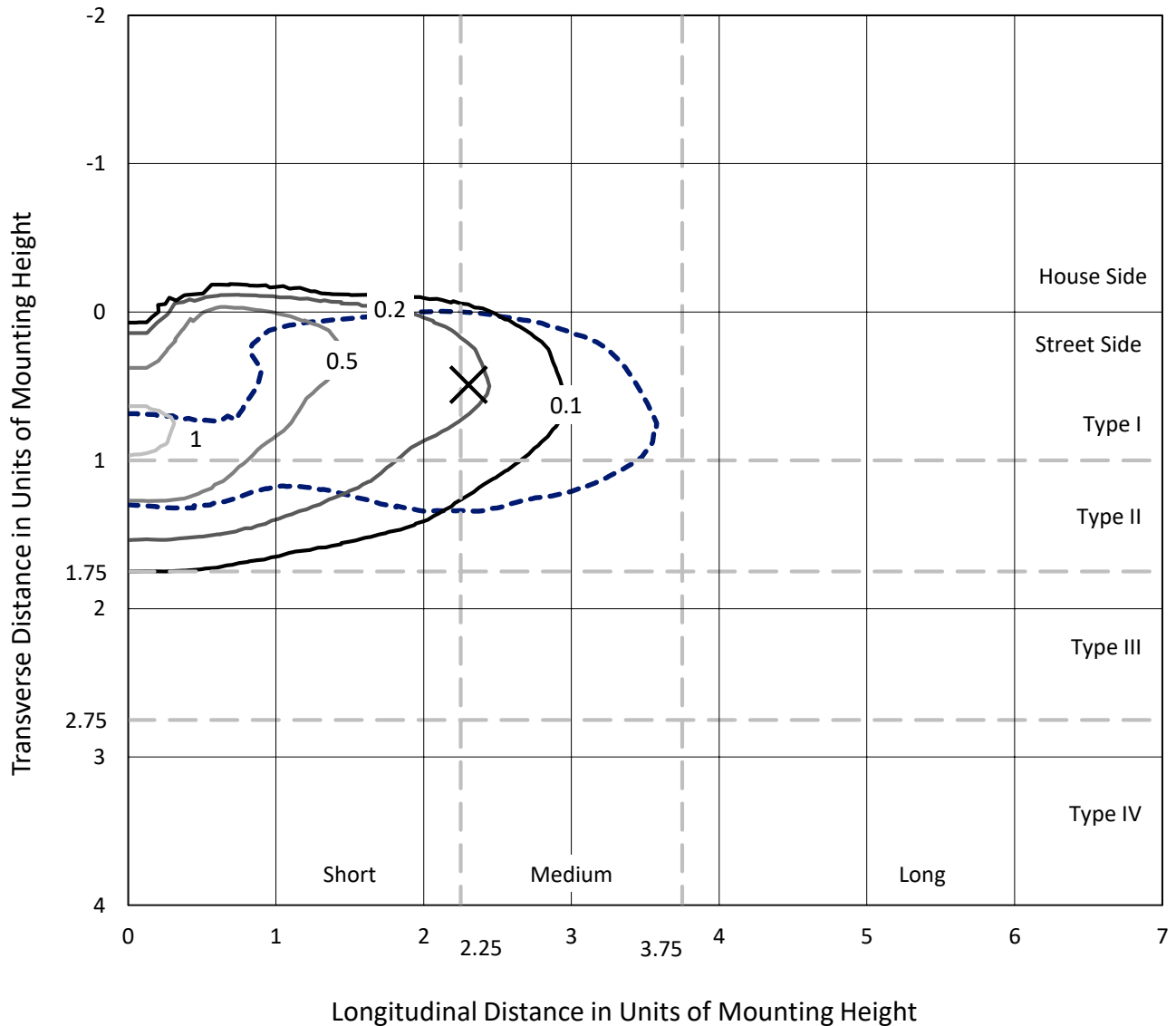
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

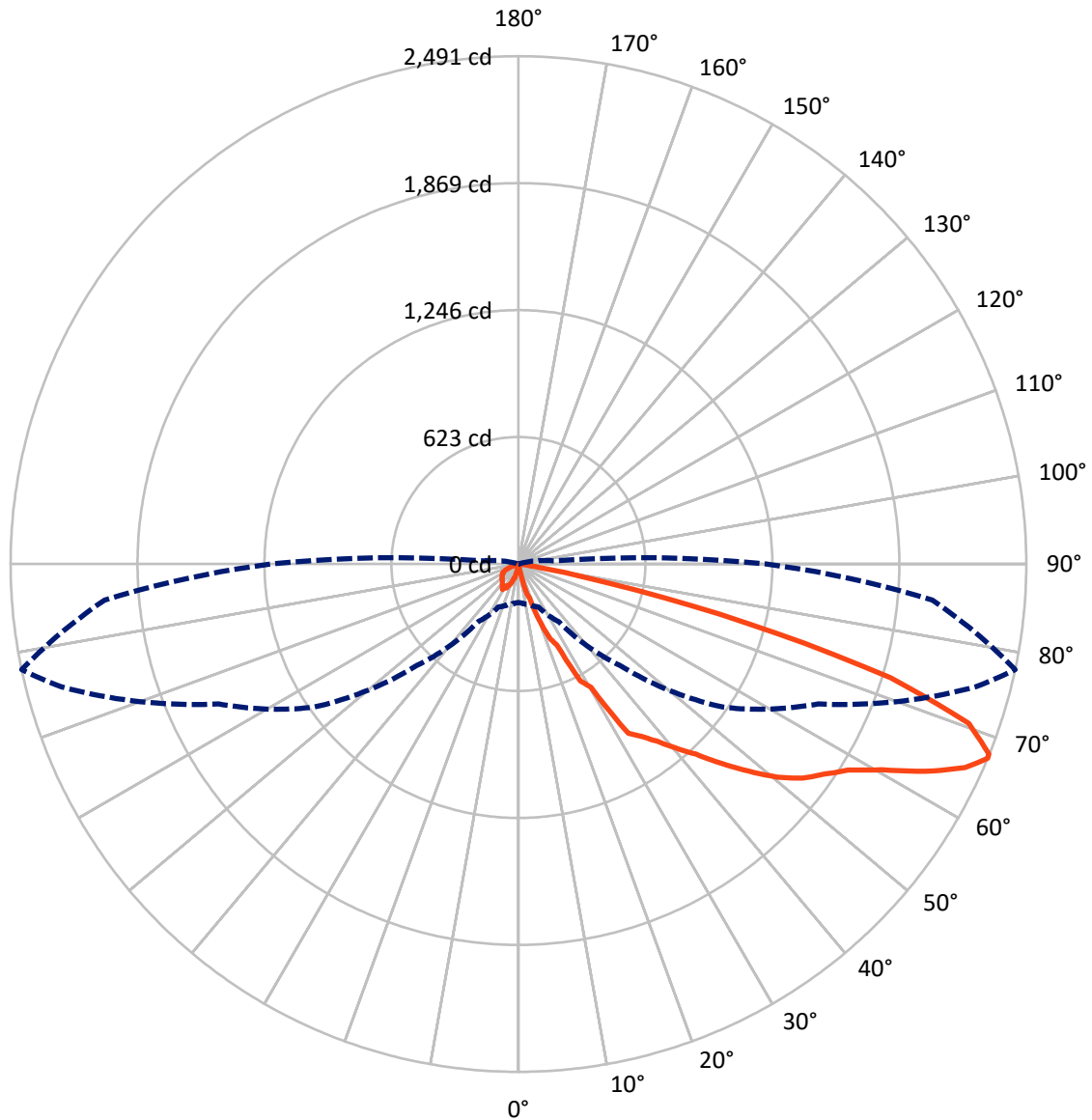
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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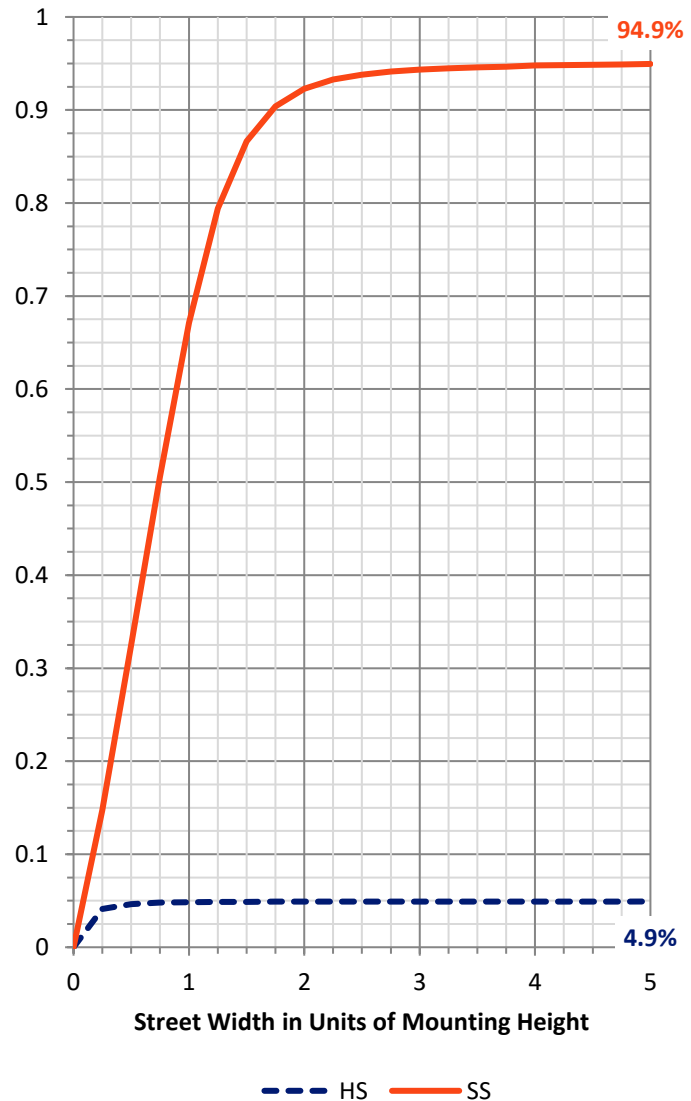
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	120.8	0.0	120.8
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	2318.2	0.0	2318.2
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	2439.0	0.0	2439.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	33.2	1.4
20°-30°	132.4	5.4
30°-40°	336.9	13.8
40°-50°	551.6	22.6
50°-60°	622.0	25.5
60°-70°	536.4	22.0
70°-80°	215.8	8.8
80°-90°	8.5	0.3
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°	2439.0	100.0
0°-180°	2439.0	100.0

**Coefficient of Utilization**



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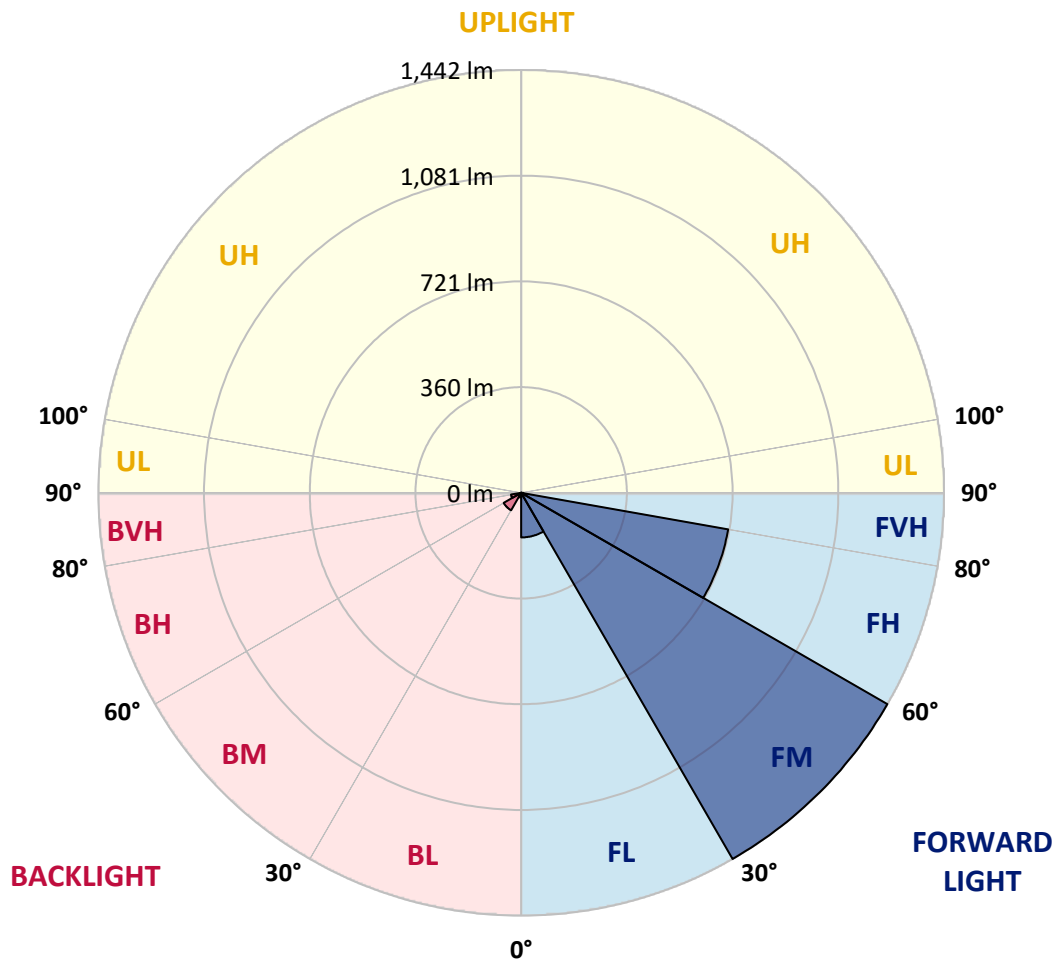
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.1	6.2			
FM	(30°-60°)	1441.7	59.1			
FH	(60°-80°)	716.8	29.4			G1/1800
FVH	(80°-90°)	7.6	0.3			G0/10
BL	(0°-30°)	15.8	0.6	B0/110		
BM	(30°-60°)	68.8	2.8	B0/220		
BH	(60°-80°)	35.3	1.4	B0/110		G0/110
BVH	(80°-90°)	0.9	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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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°	0.3	0.3	0.7	0.7	1.3	1.3	1.0	1.0	1.0	1.0	1.0
5°	102.1	80.0	56.8	16.5	6.4	3.0	1.3	1.0	1.0	1.0	0.7
7.5°	113.9	112.9	111.6	110.9	108.9	105.5	7.4	1.3	1.0	1.0	1.0
10°	122.0	120.0	119.6	119.3	117.9	115.2	110.2	6.4	1.0	1.0	1.0
12.5°	244.9	243.9	239.9	140.4	126.3	123.6	119.3	85.7	6.7	56.4	61.2
15°	241.9	241.2	243.9	249.3	254.3	135.7	193.9	244.6	150.2	143.8	149.9
17.5°	250.3	250.0	245.6	250.0	257.7	300.7	276.9	266.8	166.7	174.0	159.9
20°	375.0	374.3	378.0	355.5	267.5	374.6	347.8	289.0	327.3	300.7	302.1
22.5°	393.8	395.1	394.1	401.9	464.3	387.1	432.8	449.2	454.6	398.2	343.7
25°	577.9	569.5	552.0	426.7	500.6	480.1	549.7	485.5	488.9	440.5	440.5
27.5°	647.5	647.5	633.0	616.6	531.2	616.6	578.6	637.7	695.5	649.8	551.7
30°	878.6	871.9	726.1	705.3	661.2	652.5	698.5	748.6	723.1	701.6	620.6
32.5°	1044.6	1045.3	1008.3	895.4	786.2	727.8	809.1	825.9	964.0	989.2	841.3
35°	1332.9	1316.1	1135.3	1032.9	925.3	886.4	882.3	967.3	1046.6	1037.9	911.9
37.5°	1516.0	1504.3	1416.9	1186.7	1049.0	961.6	1014.0	1018.1	1146.4	1102.4	996.2
40°	1600.0	1594.6	1520.7	1325.2	1157.5	1064.4	1081.2	1094.3	1246.5	1186.1	1067.1
42.5°	1667.9	1662.8	1595.6	1394.7	1261.7	1162.9	1156.8	1159.2	1327.5	1274.4	1138.7
45°	1700.5	1697.5	1668.6	1456.2	1307.0	1226.7	1239.2	1224.0	1398.1	1394.7	1218.0
47.5°	1668.9	1670.6	1678.6	1510.6	1340.3	1277.1	1319.1	1294.9	1482.1	1517.4	1307.4
50°	1557.7	1557.0	1603.0	1518.7	1359.4	1317.4	1389.7	1361.8	1581.9	1643.0	1388.0
52.5°	1215.3	1260.0	1426.6	1432.0	1355.1	1337.6	1442.8	1438.7	1676.0	1745.2	1468.6
55°	914.6	932.7	1091.0	1242.2	1298.6	1335.3	1461.6	1490.5	1745.5	1819.8	1531.8
57.5°	718.7	712.6	799.3	1001.3	1156.2	1295.6	1457.2	1510.6	1813.4	1907.1	1615.1
60°	525.8	531.2	600.1	726.1	950.9	1205.6	1443.8	1543.2	1920.9	2048.2	1739.1
62.5°	381.4	381.4	428.7	505.7	728.4	1061.1	1414.5	1588.9	2089.2	2239.8	1886.6
65°	256.7	255.0	290.3	329.6	499.0	878.0	1335.9	1631.6	2250.5	2408.1	2013.3
67°	188.8	192.5	207.0	232.8	345.1	703.2	1223.7	1623.2	2324.8	2491.4	2038.2
67.5°	176.7	178.4	198.2	221.1	318.2	656.9	1191.8	1613.1	2332.8	2489.4	2025.4
70°	128.4	131.0	141.8	148.5	192.5	433.4	951.2	1454.5	2215.2	2343.6	1841.6
72.5°	68.9	74.6	103.2	102.5	119.6	264.4	646.8	1079.6	1820.8	1907.8	1413.5
75°	53.8	54.4	61.5	75.9	77.3	147.2	311.1	627.3	1151.8	1158.2	784.9
77.5°	39.3	41.0	45.4	48.0	50.4	83.7	108.9	249.3	510.0	445.5	294.0
80°	26.5	27.6	29.9	35.6	41.3	47.4	35.3	66.5	120.0	93.1	44.0
82.5°	11.4	11.1	20.8	29.9	29.6	19.5	17.8	20.8	23.9	21.8	13.4
85°	0.7	1.0	10.8	14.4	12.4	8.4	11.1	8.7	9.1	8.7	6.7
87.5°	0.3	0.3	1.0	1.3	1.7	1.7	2.0	2.0	2.7	3.0	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2.5°	1.0	1.0	1.0	1.0	1.0	0.3	0.3	0.0	0.0	0.0	0.0
5°	1.0	1.0	1.0	1.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	1.0	1.0	1.0	1.0	1.0	0.3	0.0	3.7	10.1	10.8	10.4
10°	1.0	1.0	1.0	1.0	0.7	8.7	12.1	11.4	11.1	10.8	10.8
12.5°	61.2	51.7	9.4	2.0	8.7	11.1	9.7	9.7	9.4	9.4	9.4
15°	133.7	112.2	52.8	17.8	13.8	9.4	8.7	8.7	14.4	15.8	15.5
17.5°	140.1	113.2	51.7	24.2	19.8	12.1	12.1	15.5	15.1	14.4	14.4
20°	266.4	174.7	59.8	23.9	18.1	19.2	14.4	13.4	12.8	12.1	12.1
22.5°	284.9	205.3	64.2	30.2	19.5	19.2	14.8	12.4	15.8	15.5	15.5
25°	367.9	248.0	58.1	28.2	25.2	17.5	15.8	13.8	13.4	12.8	12.8
27.5°	455.9	293.3	64.2	29.2	22.8	17.1	14.8	12.1	12.8	14.1	14.1
30°	500.0	293.7	50.7	29.9	21.8	17.5	13.1	13.4	12.8	12.4	12.1
32.5°	671.0	377.0	48.7	28.6	20.5	15.1	13.4	11.8	10.8	11.8	11.8
35°	701.2	363.9	42.3	28.9	18.5	13.8	11.4	10.8	10.8	10.4	10.4
37.5°	734.5	349.8	37.3	25.5	17.8	12.4	9.7	9.7	9.4	10.1	10.1
40°	771.1	335.0	33.3	22.2	15.1	10.4	8.7	8.4	8.7	8.7	8.4
42.5°	813.8	320.5	29.9	19.5	12.8	8.7	7.1	7.1	7.1	6.7	6.7
45°	859.5	309.1	27.6	16.8	10.8	7.4	5.7	5.4	5.0	5.0	5.0
47.5°	913.6	304.4	25.5	14.1	9.1	5.7	4.4	4.0	3.7	3.4	3.4
50°	958.9	302.4	22.5	11.8	7.7	4.7	3.0	2.7	2.4	2.0	2.0
52.5°	998.9	293.7	19.5	9.4	6.0	3.4	2.0	1.3	1.0	1.0	1.0
55°	1038.6	285.6	16.8	8.1	4.4	2.0	1.0	0.3	0.3	0.7	0.7
57.5°	1087.6	276.5	14.4	6.7	3.4	1.3	0.7	0.0	0.3	0.3	0.7
60°	1164.6	267.1	12.8	5.7	2.4	1.0	0.3	0.0	0.0	0.3	0.3
62.5°	1233.4	250.7	11.1	5.0	2.0	1.0	0.3	0.0	0.0	0.0	0.3
65°	1263.3	216.7	9.7	4.4	2.0	1.0	0.3	0.0	0.0	0.0	0.0
67°	1213.3	175.4	8.7	4.0	1.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	1189.8	163.6	8.7	3.7	1.7	0.7	0.3	0.3	0.0	0.0	0.0
70°	1010.0	108.5	7.7	3.4	1.7	0.7	0.7	0.3	0.0	0.0	0.0
72.5°	775.1	63.2	6.7	3.0	1.7	0.7	0.7	0.3	0.3	0.0	0.0
75°	433.4	31.9	5.4	3.0	1.7	1.0	1.0	0.7	0.7	0.7	0.0
77.5°	138.8	17.5	4.0	2.7	1.7	1.0	1.0	0.7	1.0	1.0	0.3
80°	21.8	9.1	3.0	2.0	1.7	0.7	1.0	1.0	1.3	1.3	0.3
82.5°	8.1	5.0	2.4	2.0	1.7	0.7	1.0	1.0	1.3	1.7	0.0
85°	3.7	3.0	2.4	2.0	1.7	0.7	1.0	1.0	1.3	1.7	0.0
87.5°	1.7	2.4	2.0	2.0	1.7	0.7	1.0	1.0	1.3	1.3	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)