

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: P414312

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414312  
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-PA1-20-750-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 260mA 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: 2188 lumens  
Efficiency: N/A  
Efficacy: 104.2 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 - G0

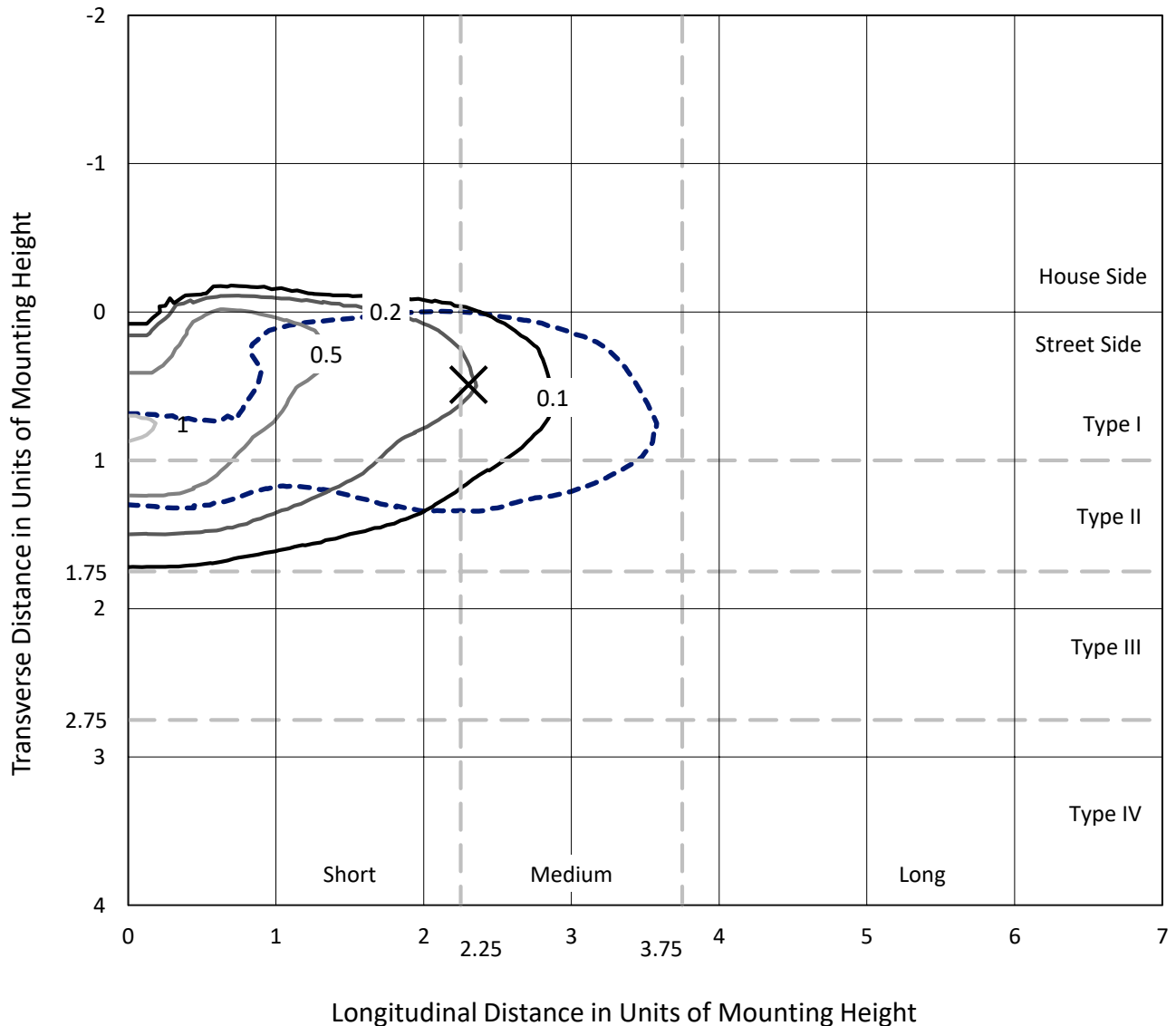
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414312  
 CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

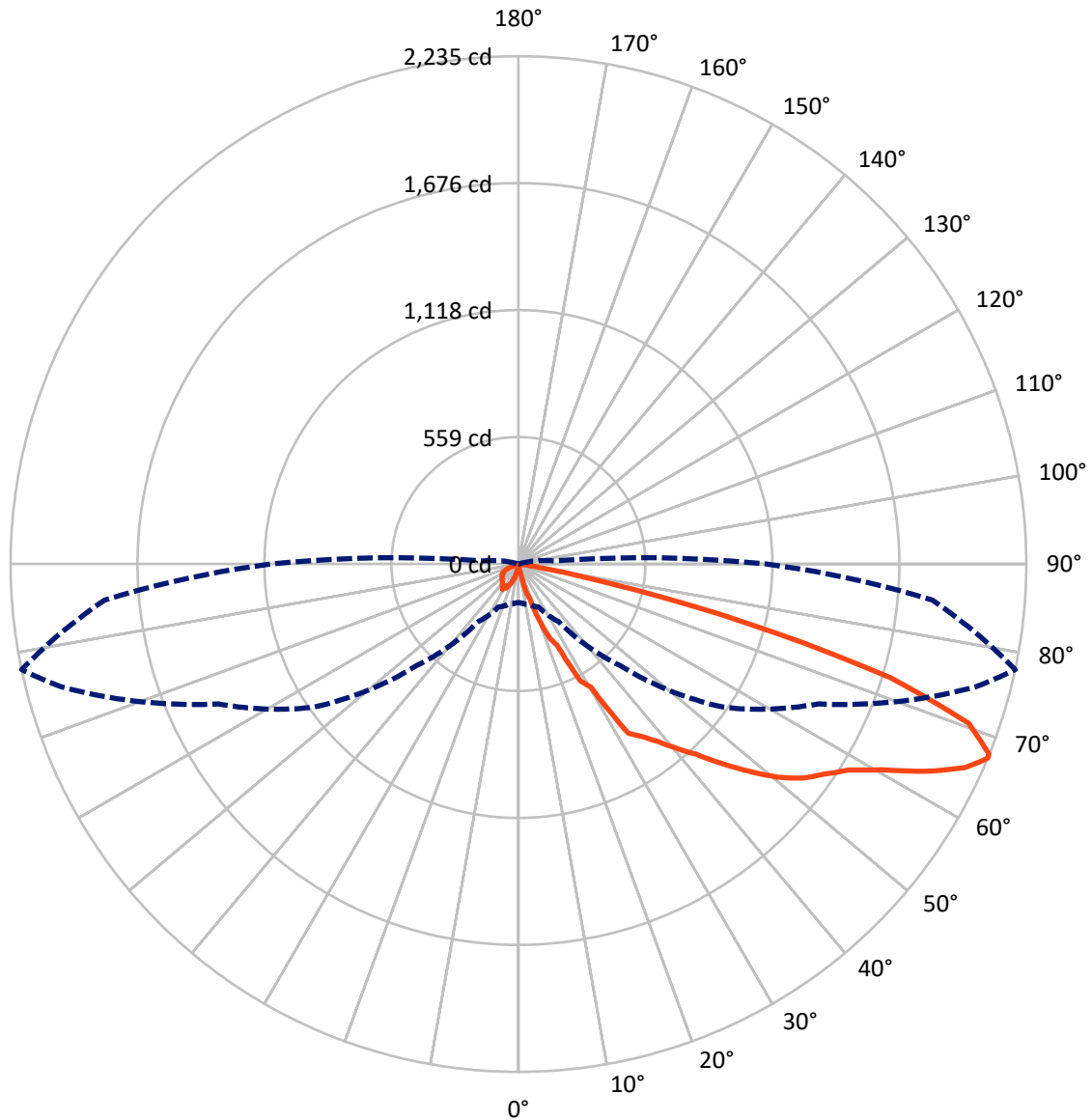
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Medium - Full Cutoff

REPORT NUMBER: P414312  
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P414312

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-HSS

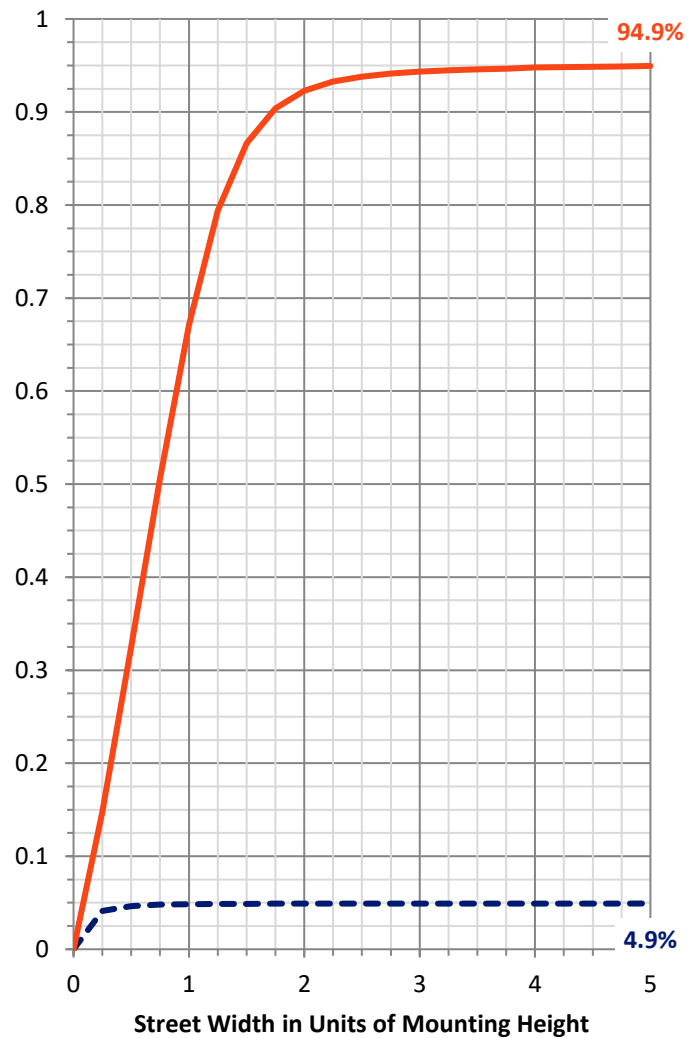
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	108.3	0.0	108.3
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	2079.7	0.0	2079.7
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	2188.0	0.0	2188.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	29.8	1.4
20°-30°	118.8	5.4
30°-40°	302.2	13.8
40°-50°	494.8	22.6
50°-60°	558.0	25.5
60°-70°	481.2	22.0
70°-80°	193.6	8.8
80°-90°	7.6	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°	2188.0	100.0
0°-180°	2188.0	100.0

**Coefficient of Utilization**



--- HS    — SS

REPORT NUMBER: P414312

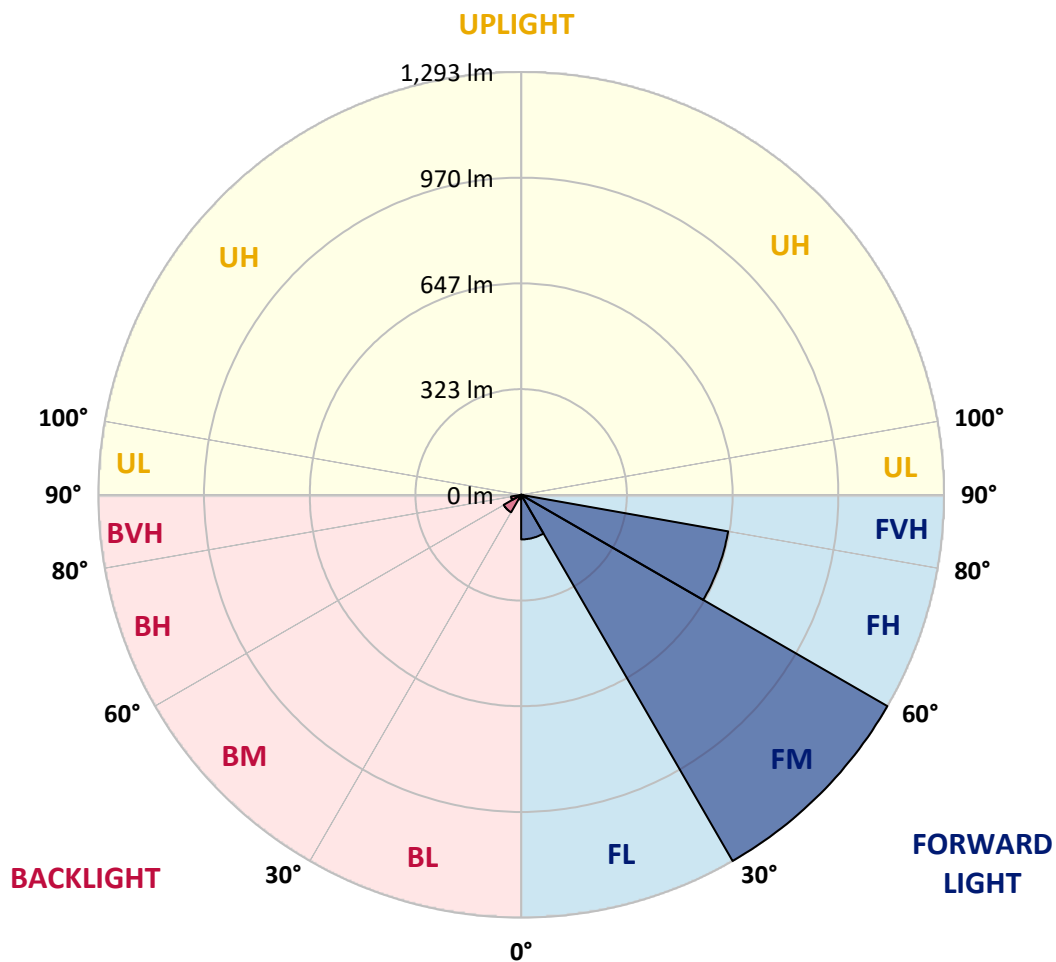
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.5	6.2			
FM	(30°-60°)	1293.3	59.1			
FH	(60°-80°)	643.0	29.4			G0/660
FVH	(80°-90°)	6.8	0.3			G0/10
BL	(0°-30°)	14.2	0.7	B0/110		
BM	(30°-60°)	61.7	2.8	B0/220		
BH	(60°-80°)	31.7	1.4	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-G0**

Type II Medium





REPORT NUMBER: P414312

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	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	0.6	0.6	1.2	1.2	0.9	0.9	0.9	0.9	0.9
5°	91.6	71.7	50.9	14.8	5.7	2.7	1.2	0.9	0.9	0.9	0.6
7.5°	102.2	101.3	100.1	99.5	97.7	94.6	6.6	1.2	0.9	0.9	0.9
10°	109.4	107.6	107.3	107.0	105.8	103.4	98.9	5.7	0.9	0.9	0.9
12.5°	219.7	218.8	215.2	126.0	113.3	110.9	107.0	76.9	6.0	50.6	54.9
15°	217.0	216.4	218.8	223.7	228.2	121.8	173.9	219.4	134.7	129.0	134.4
17.5°	224.6	224.3	220.3	224.3	231.2	269.8	248.4	239.3	149.5	156.1	143.5
20°	336.4	335.8	339.1	318.9	239.9	336.1	312.0	259.2	293.6	269.8	271.0
22.5°	353.3	354.5	353.6	360.5	416.6	347.2	388.2	403.0	407.8	357.2	308.4
25°	518.4	510.9	495.2	382.8	449.1	430.7	493.1	435.6	438.6	395.2	395.2
27.5°	580.8	580.8	567.9	553.1	476.5	553.1	519.0	572.1	623.9	582.9	494.9
30°	788.2	782.2	651.4	632.7	593.2	585.4	626.6	671.6	648.7	629.4	556.7
32.5°	937.1	937.7	904.6	803.3	705.3	652.9	725.8	740.9	864.8	887.4	754.8
35°	1195.7	1180.7	1018.5	926.6	830.1	795.1	791.5	867.8	938.9	931.1	818.1
37.5°	1360.0	1349.5	1271.1	1064.6	941.0	862.7	909.7	913.3	1028.4	989.0	893.7
40°	1435.4	1430.5	1364.2	1188.8	1038.4	954.9	970.0	981.7	1118.3	1064.0	957.3
42.5°	1496.2	1491.7	1431.4	1251.2	1131.8	1043.2	1037.8	1039.9	1190.9	1143.3	1021.5
45°	1525.5	1522.8	1496.8	1306.3	1172.5	1100.5	1111.6	1098.1	1254.2	1251.2	1092.6
47.5°	1497.1	1498.7	1505.9	1355.2	1202.4	1145.7	1183.4	1161.7	1329.6	1361.2	1172.8
50°	1397.4	1396.8	1438.1	1362.4	1219.5	1181.9	1246.7	1221.7	1419.1	1473.9	1245.2
52.5°	1090.2	1130.3	1279.8	1284.6	1215.6	1199.9	1294.3	1290.7	1503.5	1565.6	1317.5
55°	820.5	836.7	978.7	1114.3	1165.0	1197.8	1311.2	1337.1	1565.9	1632.5	1374.2
57.5°	644.7	639.3	717.1	898.2	1037.2	1162.3	1307.3	1355.2	1626.8	1710.9	1448.9
60°	471.7	476.5	538.3	651.4	853.0	1081.5	1295.2	1384.4	1723.2	1837.4	1560.1
62.5°	342.1	342.1	384.6	453.6	653.5	951.9	1269.0	1425.4	1874.2	2009.3	1692.5
65°	230.3	228.8	260.4	295.7	447.6	787.6	1198.4	1463.7	2018.9	2160.3	1806.1
67°	169.4	172.7	185.7	208.9	309.6	630.9	1097.8	1456.2	2085.5	2235.0	1828.4
67.5°	158.5	160.1	177.8	198.3	285.4	589.3	1069.1	1447.1	2092.8	2233.2	1817.0
70°	115.1	117.6	127.2	133.2	172.7	388.8	853.3	1304.8	1987.3	2102.4	1652.1
72.5°	61.8	66.9	92.5	91.9	107.3	237.2	580.2	968.5	1633.4	1711.5	1268.1
75°	48.2	48.8	55.2	68.1	69.3	132.0	279.1	562.7	1033.3	1039.0	704.1
77.5°	35.3	36.8	40.7	43.1	45.2	75.1	97.7	223.7	457.6	399.7	263.7
80°	23.8	24.7	26.8	32.0	37.1	42.5	31.6	59.7	107.6	83.5	39.5
82.5°	10.2	9.9	18.7	26.8	26.5	17.5	16.0	18.7	21.4	19.6	12.1
85°	0.6	0.9	9.6	13.0	11.2	7.5	9.9	7.8	8.1	7.8	6.0
87.5°	0.3	0.3	0.9	1.2	1.5	1.5	1.8	1.8	2.4	2.7	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



REPORT NUMBER: P414312

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-HSS

**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	0.9	0.3	0.3	0.0	0.0	0.0	0.0
5°	0.9	0.9	0.9	0.9	0.9	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.9	0.9	0.3	0.0	3.3	9.0	9.6	9.3
10°	0.9	0.9	0.9	0.9	0.6	7.8	10.9	10.2	9.9	9.6	9.6
12.5°	54.9	46.4	8.4	1.8	7.8	9.9	8.7	8.7	8.4	8.4	8.4
15°	120.0	100.7	47.3	16.0	12.4	8.4	7.8	7.8	13.0	14.2	13.9
17.5°	125.7	101.6	46.4	21.7	17.8	10.9	10.9	13.9	13.6	13.0	13.0
20°	239.0	156.7	53.7	21.4	16.3	17.2	13.0	12.1	11.5	10.9	10.9
22.5°	255.6	184.2	57.6	27.1	17.5	17.2	13.3	11.2	14.2	13.9	13.9
25°	330.1	222.4	52.1	25.3	22.6	15.7	14.2	12.4	12.1	11.5	11.5
27.5°	409.0	263.1	57.6	26.2	20.5	15.4	13.3	10.9	11.5	12.7	12.7
30°	448.5	263.4	45.5	26.8	19.6	15.7	11.8	12.1	11.5	11.2	10.9
32.5°	601.9	338.2	43.7	25.6	18.4	13.6	12.1	10.5	9.6	10.5	10.5
35°	629.1	326.4	38.0	25.9	16.6	12.4	10.2	9.6	9.6	9.3	9.3
37.5°	658.9	313.8	33.5	22.9	16.0	11.2	8.7	8.7	8.4	9.0	9.0
40°	691.8	300.5	29.8	19.9	13.6	9.3	7.8	7.5	7.8	7.8	7.5
42.5°	730.0	287.6	26.8	17.5	11.5	7.8	6.3	6.3	6.3	6.0	6.0
45°	771.0	277.3	24.7	15.1	9.6	6.6	5.1	4.8	4.5	4.5	4.5
47.5°	819.6	273.1	22.9	12.7	8.1	5.1	3.9	3.6	3.3	3.0	3.0
50°	860.2	271.3	20.2	10.5	6.9	4.2	2.7	2.4	2.1	1.8	1.8
52.5°	896.1	263.4	17.5	8.4	5.4	3.0	1.8	1.2	0.9	0.9	0.9
55°	931.7	256.2	15.1	7.2	3.9	1.8	0.9	0.3	0.3	0.6	0.6
57.5°	975.7	248.1	13.0	6.0	3.0	1.2	0.6	0.0	0.3	0.3	0.6
60°	1044.7	239.6	11.5	5.1	2.1	0.9	0.3	0.0	0.0	0.3	0.3
62.5°	1106.5	224.9	9.9	4.5	1.8	0.9	0.3	0.0	0.0	0.0	0.3
65°	1133.3	194.4	8.7	3.9	1.8	0.9	0.3	0.0	0.0	0.0	0.0
67°	1088.4	157.3	7.8	3.6	1.5	0.6	0.3	0.0	0.0	0.0	0.0
67.5°	1067.3	146.8	7.8	3.3	1.5	0.6	0.3	0.3	0.0	0.0	0.0
70°	906.1	97.4	6.9	3.0	1.5	0.6	0.6	0.3	0.0	0.0	0.0
72.5°	695.4	56.7	6.0	2.7	1.5	0.6	0.6	0.3	0.3	0.0	0.0
75°	388.8	28.6	4.8	2.7	1.5	0.9	0.9	0.6	0.6	0.6	0.0
77.5°	124.5	15.7	3.6	2.4	1.5	0.9	0.9	0.6	0.9	0.9	0.3
80°	19.6	8.1	2.7	1.8	1.5	0.6	0.9	0.9	1.2	1.2	0.3
82.5°	7.2	4.5	2.1	1.8	1.5	0.6	0.9	0.9	1.2	1.5	0.0
85°	3.3	2.7	2.1	1.8	1.5	0.6	0.9	0.9	1.2	1.5	0.0
87.5°	1.5	2.1	1.8	1.8	1.5	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)