

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: P414599

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414599  
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-PA1-30-727-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 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: 2441 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 IV - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

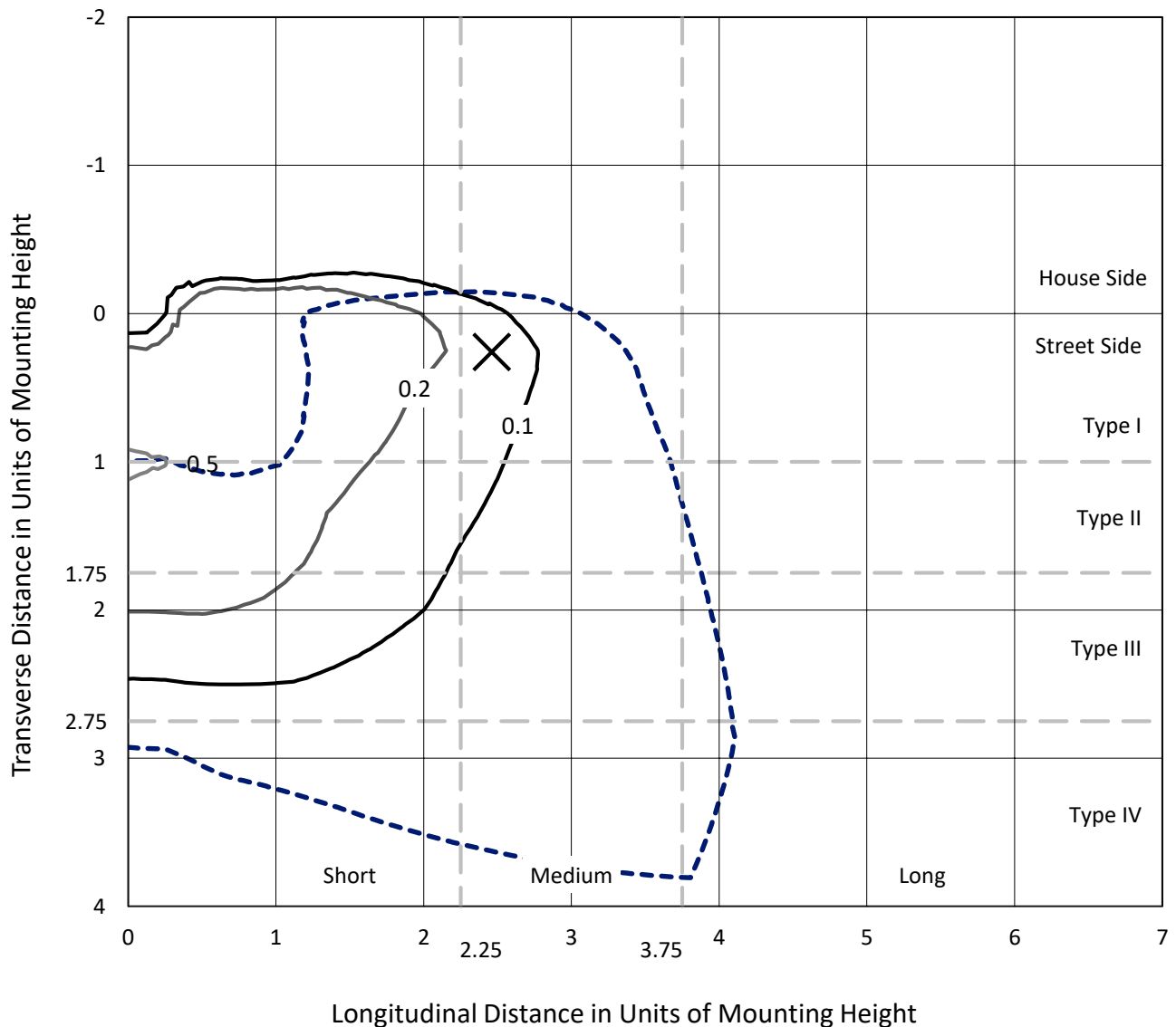
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

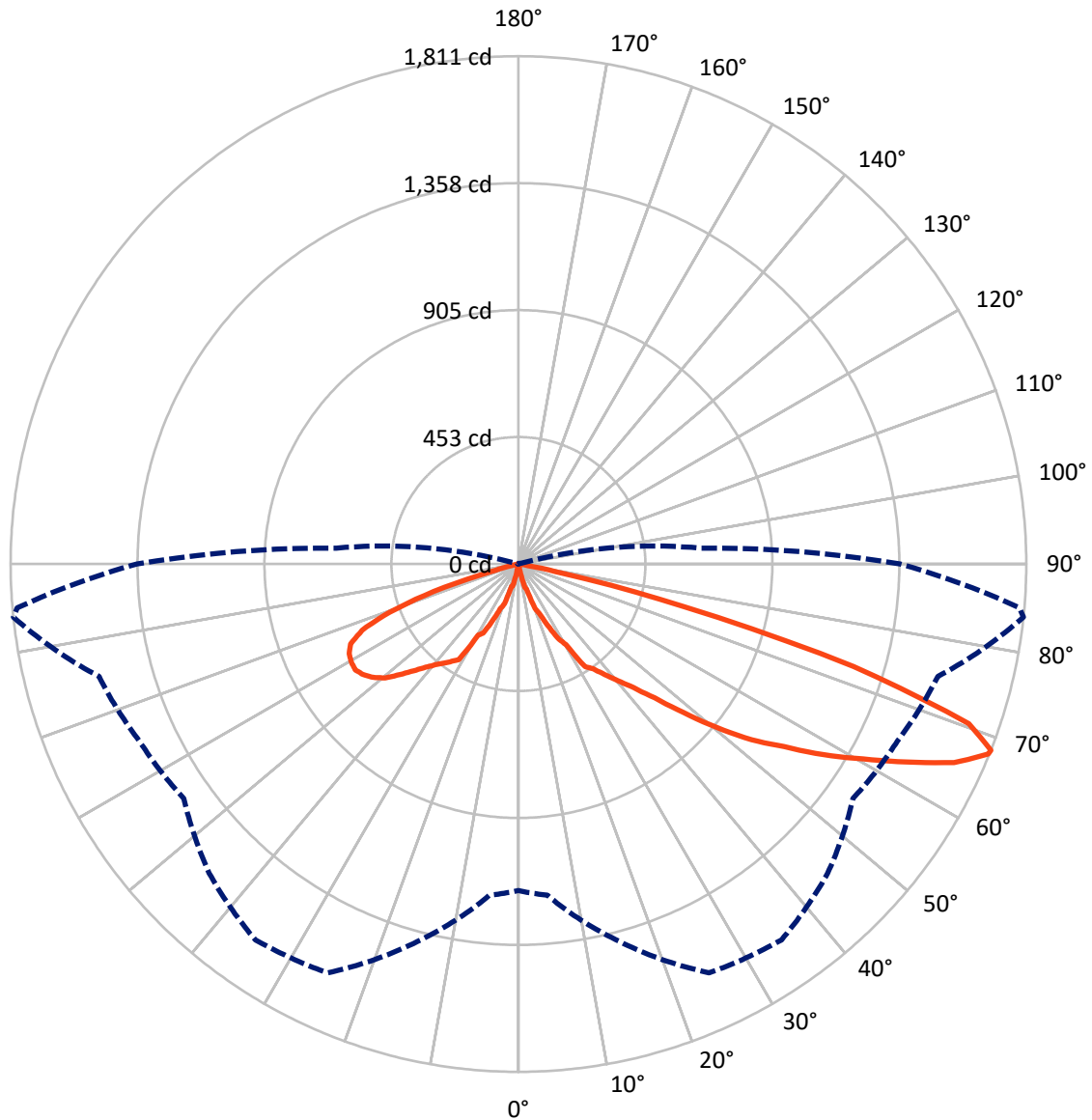
× Max cd  
 - - - 1/2 Max cd



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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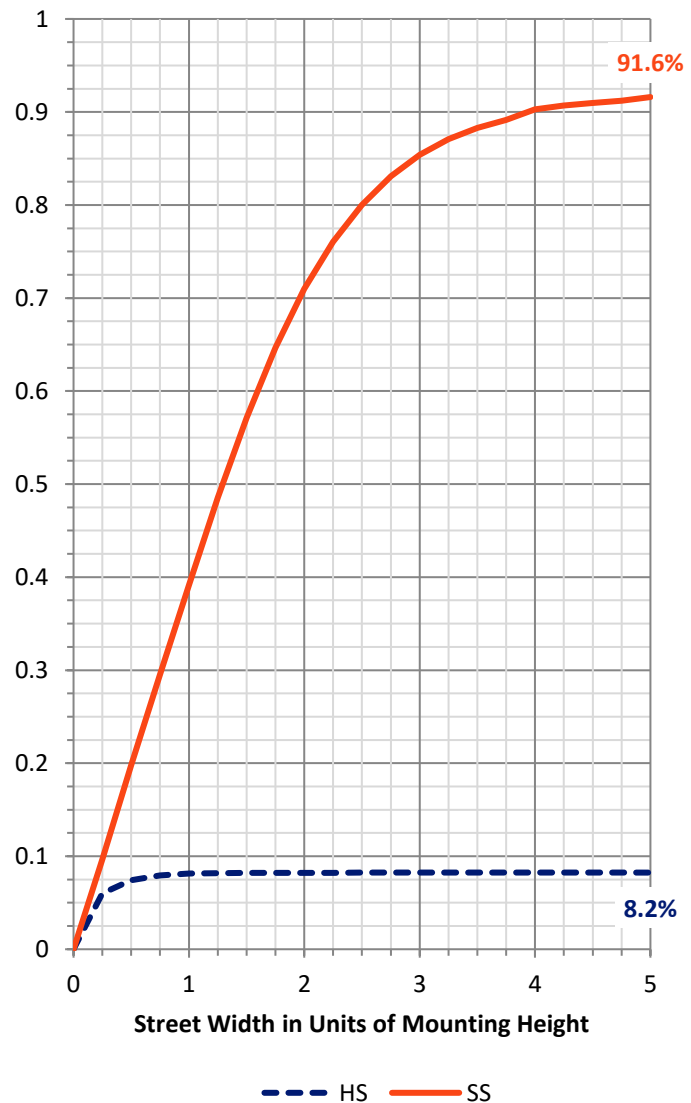
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	202.9	0.0	202.9
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	2238.2	0.0	2238.2
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	2441.0	0.0	2441.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	22.1	0.9
20°-30°	79.1	3.2
30°-40°	169.0	6.9
40°-50°	302.0	12.4
50°-60°	535.9	22.0
60°-70°	770.2	31.6
70°-80°	518.5	21.2
80°-90°	42.6	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°	2441.0	100.0
0°-180°	2441.0	100.0



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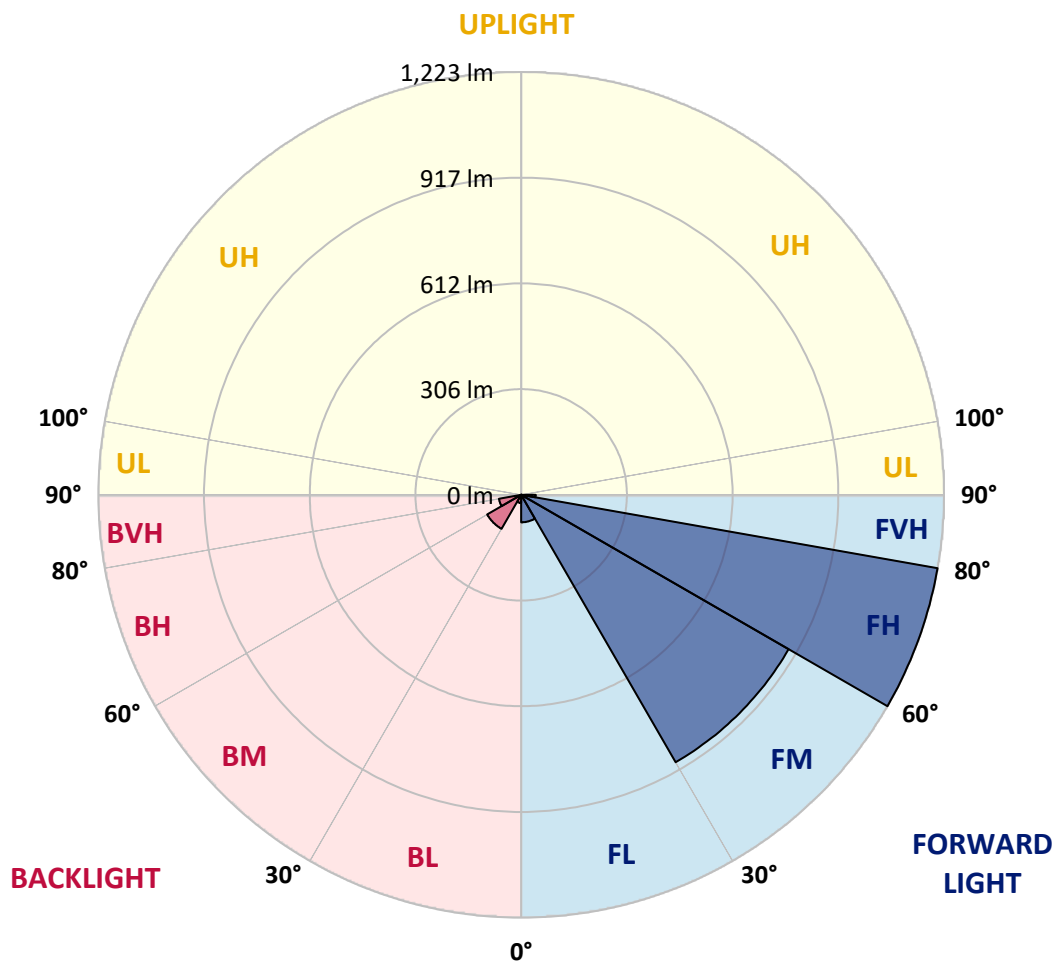
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.6	3.3			
FM	(30°-60°)	893.3	36.6			
FH	(60°-80°)	1223.3	50.1			G1/1800
FVH	(80°-90°)	42.0	1.7			G1/100
BL	(0°-30°)	23.3	1.0	B0/110		
BM	(30°-60°)	113.6	4.7	B0/220		
BH	(60°-80°)	65.3	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	0.4	0.4	0.0	0.4	0.4	0.7	0.7	1.1	1.1	1.1	1.1
5°	18.7	15.9	15.6	13.8	9.9	2.5	0.7	1.1	1.1	1.1	1.1
7.5°	67.2	66.1	65.4	64.0	62.6	48.1	9.5	1.1	1.1	1.1	1.1
10°	72.1	70.7	69.6	67.9	65.8	63.3	60.5	7.8	1.1	1.1	1.1
12.5°	149.2	147.4	102.2	84.5	69.6	66.1	64.0	33.2	30.8	35.0	39.9
15°	157.0	155.6	151.7	146.7	131.9	74.6	100.4	124.8	81.3	86.6	86.6
17.5°	175.0	172.2	158.7	151.3	145.3	159.8	146.7	133.6	87.7	93.0	93.0
20°	245.0	244.3	240.4	167.9	152.7	202.2	159.8	142.5	161.9	169.0	160.9
22.5°	247.1	246.4	243.6	234.0	240.1	207.9	229.4	215.3	221.0	193.0	191.6
25°	327.7	324.9	260.2	238.3	270.8	221.7	272.9	237.6	233.3	241.1	241.1
27.5°	333.7	333.0	330.9	317.1	277.9	313.9	281.1	307.6	313.6	298.0	306.2
30°	380.1	356.7	344.3	336.2	327.4	329.5	328.1	353.9	326.7	333.0	329.5
32.5°	442.3	440.2	433.8	358.5	363.8	344.0	382.5	378.6	422.5	436.3	434.1
35°	528.9	495.0	453.6	414.7	377.6	408.7	395.3	440.5	451.5	457.8	470.9
37.5°	604.9	593.9	555.4	439.8	418.2	420.7	452.2	472.0	488.2	499.5	505.2
40°	674.5	666.4	640.6	514.0	440.2	456.8	482.6	493.5	525.7	546.6	546.9
42.5°	777.8	782.7	758.7	581.2	499.5	507.3	529.2	531.0	559.6	601.4	602.8
45°	906.8	900.1	894.1	678.8	556.1	551.2	581.6	577.3	621.5	680.2	687.3
47.5°	1031.3	1021.7	1005.5	791.2	634.6	600.3	642.7	646.3	715.2	790.2	793.0
50°	1127.4	1123.9	1107.6	922.0	738.9	668.2	710.6	752.3	825.5	915.7	921.7
52.5°	1233.5	1225.4	1196.7	1044.7	872.9	770.4	791.9	865.1	941.8	1040.8	1040.1
55°	1304.2	1305.3	1278.0	1169.9	994.5	886.0	894.4	1006.9	1047.9	1149.0	1156.4
57.5°	1398.2	1390.5	1397.9	1316.9	1159.2	1003.3	1023.1	1120.4	1157.1	1281.9	1286.9
60°	1468.2	1471.1	1507.8	1452.7	1286.9	1122.8	1139.8	1213.0	1266.0	1412.0	1427.6
62.5°	1470.7	1485.9	1584.9	1588.8	1425.1	1252.2	1241.3	1307.7	1354.4	1553.4	1572.2
65°	1336.0	1345.2	1568.3	1624.9	1553.4	1379.1	1337.8	1387.6	1441.7	1706.5	1710.1
67.5°	1201.0	1203.8	1419.1	1614.3	1630.5	1531.5	1440.7	1475.0	1527.3	1807.3	1794.9
68°	1164.2	1185.4	1393.3	1608.2	1635.5	1559.1	1456.2	1491.6	1548.1	1810.5	1793.1
70°	1055.3	1077.9	1269.2	1541.1	1633.0	1663.0	1541.4	1546.4	1561.2	1703.7	1648.2
72.5°	709.5	724.8	1004.4	1311.6	1580.0	1783.9	1636.5	1513.8	1400.7	1249.0	1199.9
75°	272.9	274.7	506.3	901.5	1366.1	1723.5	1536.1	1276.3	951.4	608.1	571.0
77.5°	101.8	100.1	146.7	417.9	867.2	1339.2	1146.9	782.4	396.3	159.4	155.9
80°	36.1	37.1	56.9	125.9	352.5	782.4	638.5	318.5	116.7	35.4	32.5
82.5°	14.1	15.2	29.0	59.7	151.3	328.4	272.6	135.4	68.2	13.4	12.7
85°	3.2	3.5	11.3	29.7	57.6	95.1	95.8	82.7	56.6	6.4	6.0
87.5°	0.4	0.7	3.2	3.9	4.6	2.5	8.1	8.5	15.6	2.5	2.5
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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2.5°	1.1	1.1	1.1	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0
5°	1.1	1.1	1.1	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0
7.5°	1.1	1.1	1.1	0.7	0.4	0.4	0.0	31.1	32.2	33.2	33.6
10°	1.1	1.1	1.1	0.7	0.7	32.5	38.2	36.8	34.3	33.2	33.6
12.5°	38.5	37.5	12.0	2.5	29.7	35.7	29.3	24.4	21.9	20.2	20.2
15°	84.1	81.0	67.5	51.6	48.4	27.6	18.7	15.9	23.3	28.3	28.3
17.5°	89.4	85.6	75.7	74.9	49.1	24.0	19.4	25.1	26.5	27.9	27.9
20°	173.2	155.2	106.8	71.8	36.1	29.3	24.4	24.0	25.1	26.9	27.2
22.5°	185.6	176.8	134.3	87.0	32.9	31.8	28.3	26.9	36.1	39.2	39.2
25°	235.8	227.3	144.6	69.3	39.9	32.5	35.7	33.6	34.3	37.1	37.1
27.5°	301.6	286.0	189.8	58.3	37.1	35.4	36.4	33.6	39.6	47.0	47.0
30°	334.1	303.0	181.7	51.6	37.8	38.5	35.0	41.0	41.0	43.8	44.2
32.5°	445.8	424.2	204.7	43.5	37.8	35.4	38.2	38.9	38.2	49.5	49.8
35°	474.4	448.6	175.4	45.3	36.1	34.3	34.3	38.5	41.0	43.5	43.8
37.5°	509.4	475.9	137.9	42.4	37.5	33.2	31.5	32.9	36.1	42.4	42.8
40°	554.0	505.6	106.1	39.9	35.0	30.4	28.6	30.1	30.1	31.8	32.2
42.5°	614.1	540.9	78.5	38.2	32.9	27.9	25.1	23.3	22.3	21.9	22.3
45°	696.5	586.2	58.7	36.4	31.5	24.7	20.9	17.0	14.1	14.1	14.5
47.5°	794.4	636.7	47.7	33.6	29.3	21.2	15.9	11.0	8.8	9.2	9.5
50°	898.7	690.1	41.7	31.1	26.9	17.3	10.6	6.7	5.7	6.0	6.4
52.5°	995.2	724.8	39.2	28.6	23.7	13.4	6.7	4.6	4.2	4.2	4.6
55°	1092.1	750.9	37.1	26.2	19.1	8.8	3.9	3.5	3.5	3.2	3.2
57.5°	1182.2	766.5	33.6	22.6	13.4	5.3	2.8	2.8	2.5	2.5	2.5
60°	1265.0	764.7	26.9	17.0	8.5	3.2	2.1	2.1	1.8	1.8	1.8
62.5°	1349.5	756.9	19.1	12.0	5.7	2.1	1.4	1.4	1.1	0.7	1.1
65°	1400.4	735.0	12.7	8.5	3.5	1.4	1.1	0.7	0.4	0.0	0.4
67.5°	1379.1	671.4	9.5	6.4	2.5	1.1	0.7	0.4	0.0	0.0	0.0
68°	1359.7	651.2	8.8	6.0	2.1	1.1	0.7	0.4	0.0	0.0	0.0
70°	1206.6	542.7	7.8	4.9	1.8	1.1	0.7	0.4	0.0	0.0	0.0
72.5°	805.0	352.5	6.4	3.9	1.4	0.7	0.7	0.4	0.0	0.0	0.0
75°	371.2	113.1	4.9	3.2	1.1	0.7	0.7	0.4	0.0	0.0	0.0
77.5°	99.0	24.0	3.2	2.1	1.1	0.7	0.7	0.4	0.4	0.4	0.0
80°	23.7	7.4	2.1	1.8	1.1	0.7	0.7	0.4	0.4	0.4	0.0
82.5°	8.8	3.9	1.4	1.4	1.1	0.7	0.7	0.4	0.7	0.7	0.0
85°	3.9	2.5	1.4	1.4	1.1	0.7	0.7	0.7	0.7	1.1	0.0
87.5°	1.8	1.8	1.4	1.4	1.4	0.7	1.1	1.1	1.1	1.1	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)