

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: P415040

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415040  
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-PA1-40-730-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA 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: 3619 lumens  
Efficiency: N/A  
Efficacy: 90.5 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

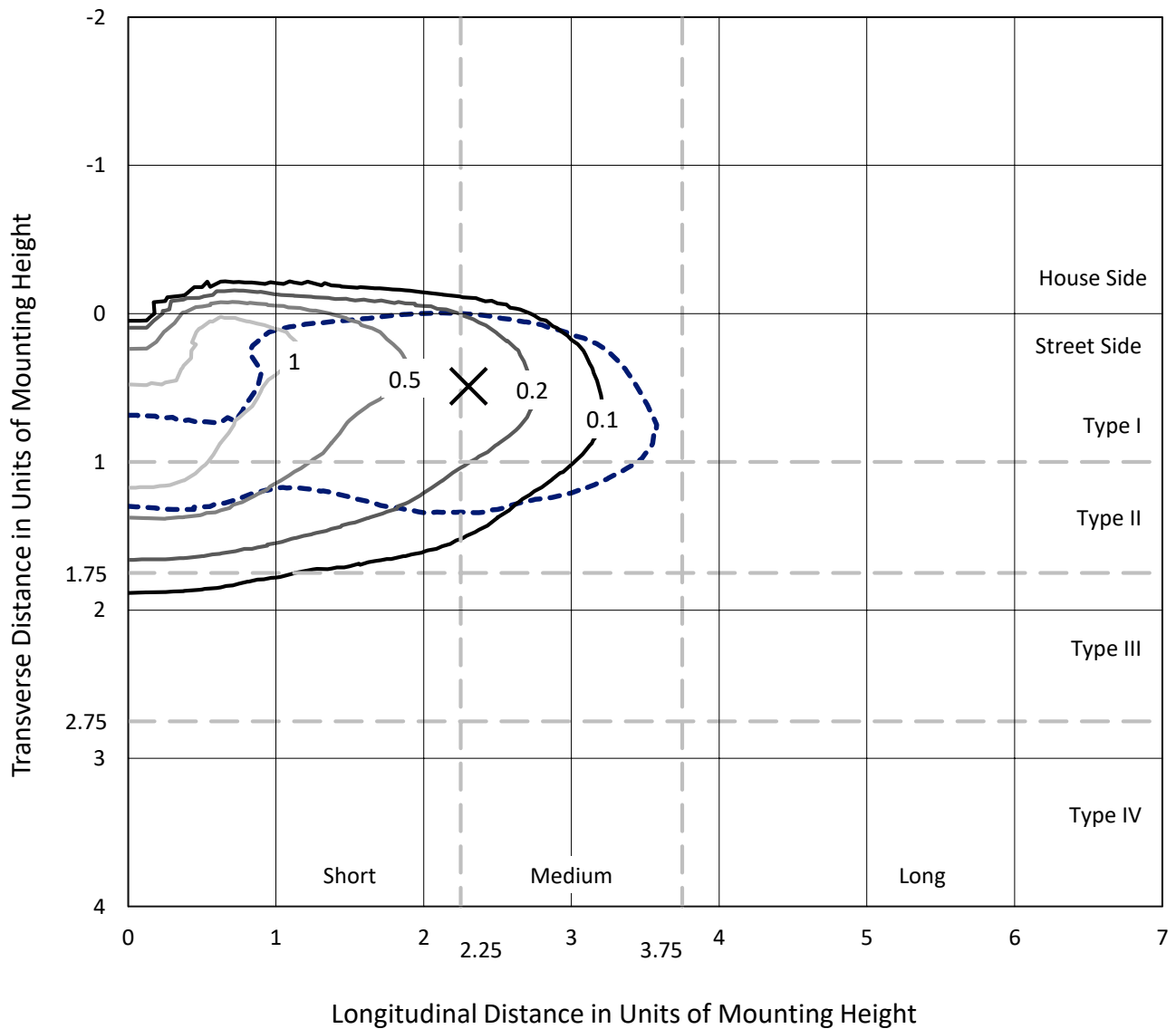
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

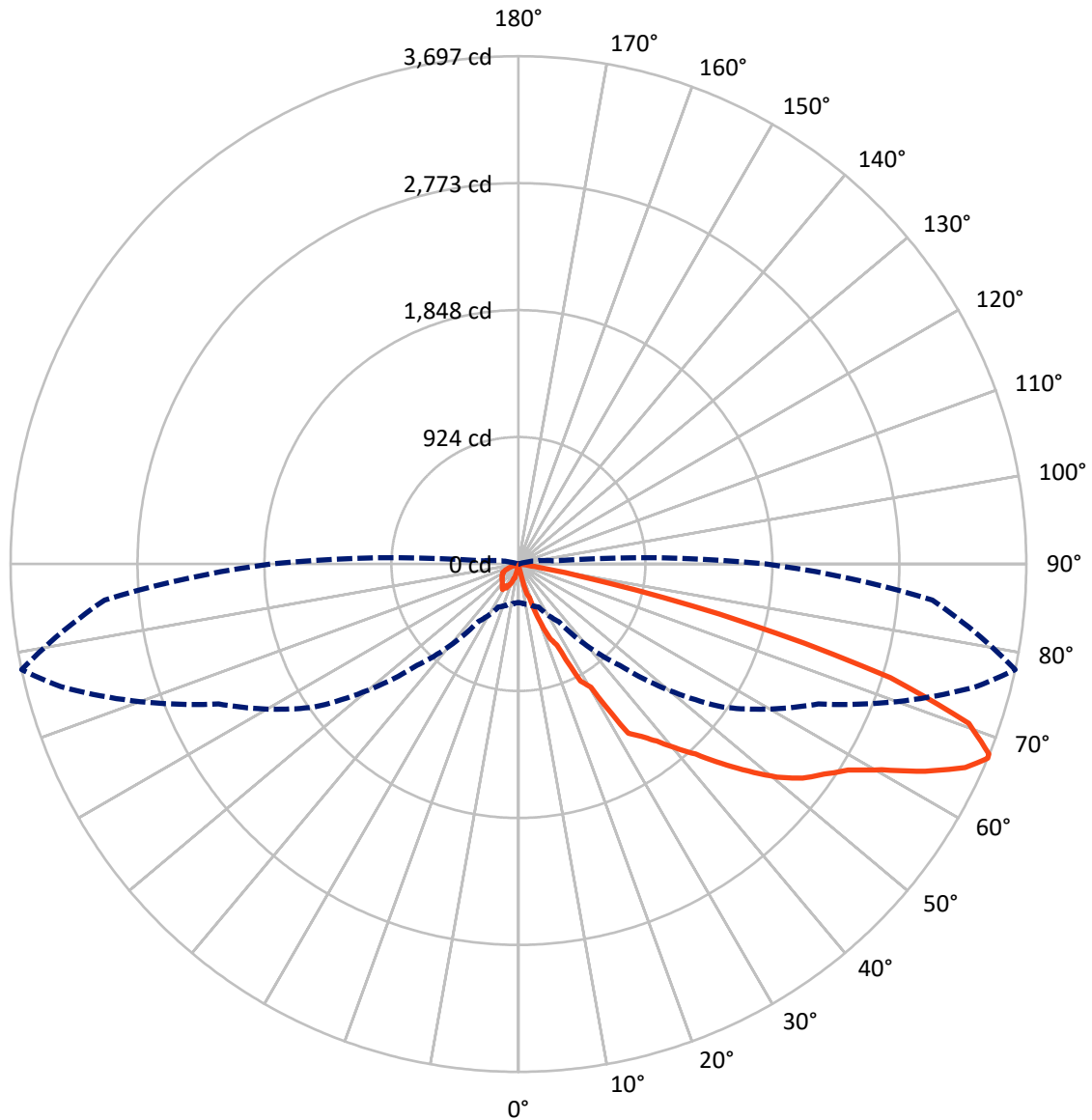
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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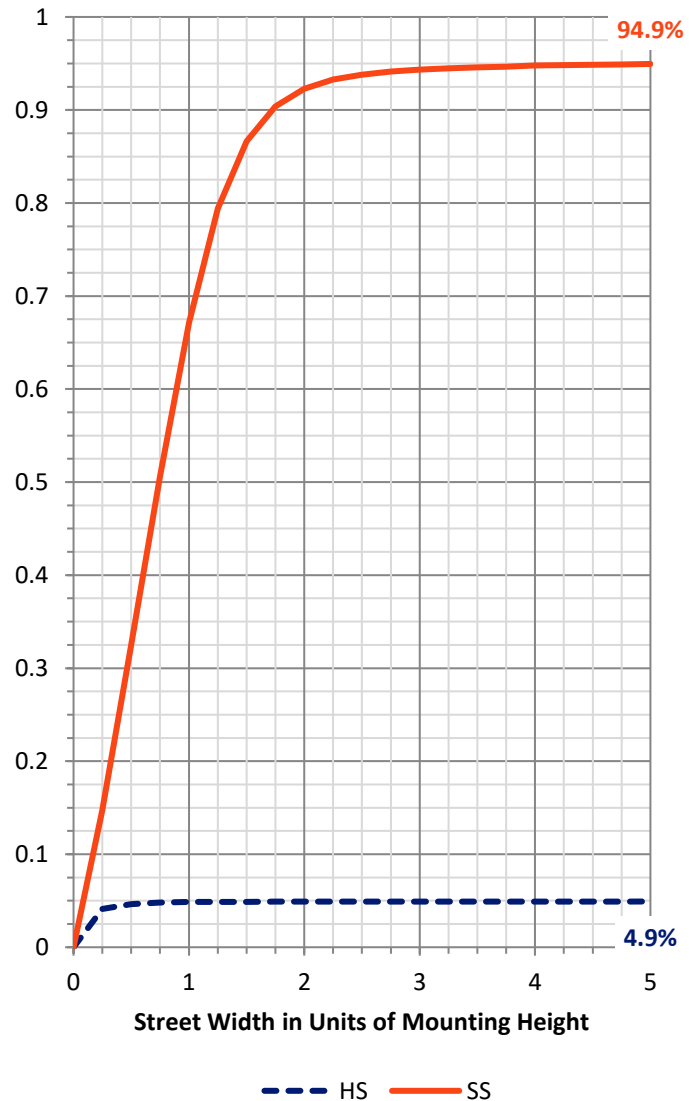
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	179.2	0.0	179.2
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	3439.8	0.0	3439.8
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	3619.0	0.0	3619.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	49.3	1.4
20°-30°	196.5	5.4
30°-40°	499.9	13.8
40°-50°	818.5	22.6
50°-60°	922.9	25.5
60°-70°	795.9	22.0
70°-80°	320.1	8.8
80°-90°	12.6	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°	3619.0	100.0
0°-180°	3619.0	100.0

**Coefficient of Utilization**



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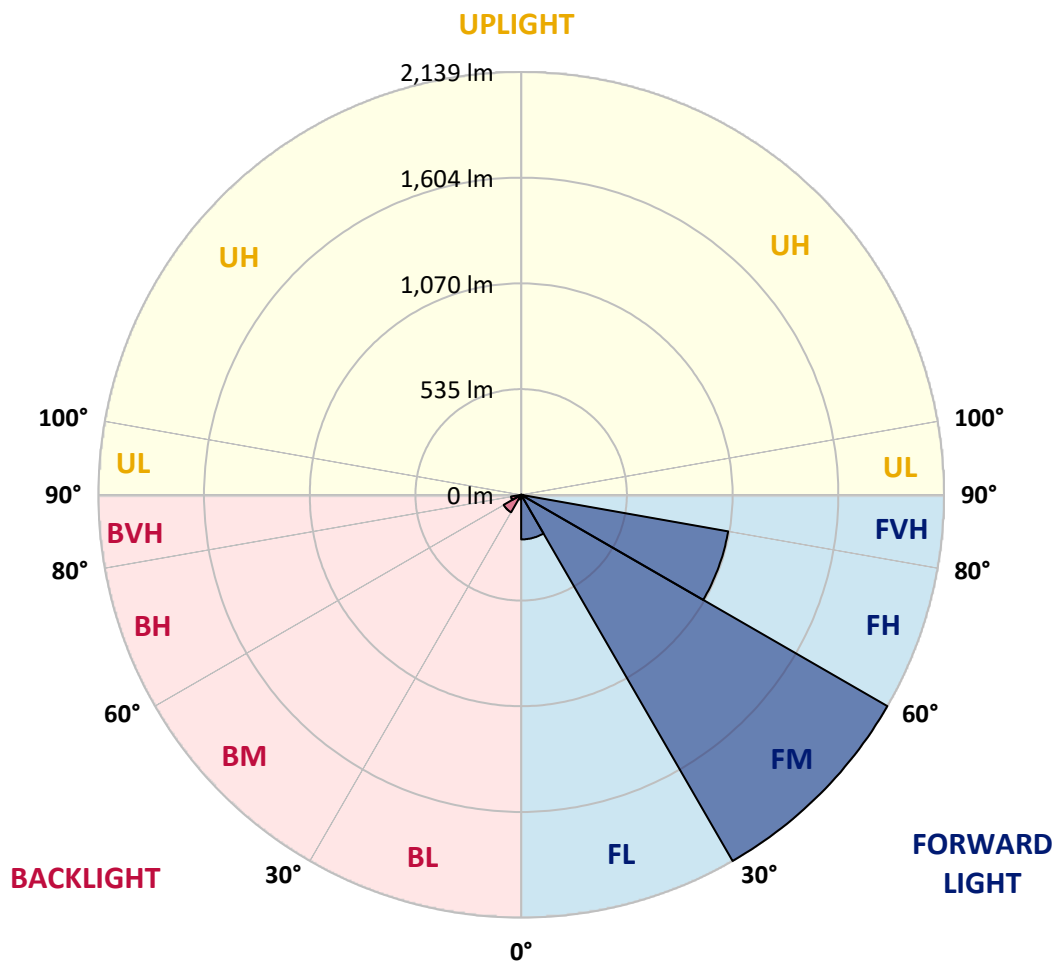
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	225.7	6.2			
FM	(30°-60°)	2139.2	59.1			
FH	(60°-80°)	1063.6	29.4			G1/1800
FVH	(80°-90°)	11.3	0.3			G1/100
BL	(0°-30°)	23.5	0.6	B0/110		
BM	(30°-60°)	102.0	2.8	B0/220		
BH	(60°-80°)	52.4	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	0.5	0.5	1.0	1.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5
5°	151.6	118.7	84.3	24.4	9.5	4.5	2.0	1.5	1.5	1.5	1.0
7.5°	169.0	167.5	165.5	164.5	161.5	156.5	11.0	2.0	1.5	1.5	1.5
10°	181.0	178.0	177.5	177.0	175.0	171.0	163.5	9.5	1.5	1.5	1.5
12.5°	363.4	361.9	356.0	208.4	187.5	183.5	177.0	127.1	10.0	83.8	90.7
15°	359.0	358.0	361.9	369.9	377.4	201.4	287.7	362.9	222.9	213.4	222.4
17.5°	371.4	370.9	364.4	370.9	382.4	446.2	410.8	395.9	247.3	258.3	237.3
20°	556.4	555.4	560.9	527.5	396.8	555.9	516.0	428.8	485.6	446.2	448.2
22.5°	584.3	586.3	584.8	596.3	689.0	574.3	642.1	666.6	674.5	590.8	510.0
25°	857.5	845.0	819.1	633.2	742.8	712.4	815.6	720.4	725.4	653.6	653.6
27.5°	960.7	960.7	939.3	914.8	788.2	914.8	858.5	946.3	1032.0	964.2	818.6
30°	1303.7	1293.7	1077.4	1046.5	981.2	968.2	1036.5	1110.8	1072.9	1041.0	920.8
32.5°	1550.0	1551.0	1496.2	1328.6	1166.6	1079.9	1200.5	1225.4	1430.3	1467.7	1248.4
35°	1977.8	1952.8	1684.6	1532.6	1373.0	1315.2	1309.2	1435.3	1553.0	1540.0	1353.1
37.5°	2249.5	2232.0	2102.4	1760.9	1556.5	1426.9	1504.6	1510.6	1701.1	1635.8	1478.2
40°	2374.1	2366.1	2256.5	1966.3	1717.5	1579.4	1604.3	1623.8	1849.6	1759.9	1583.4
42.5°	2474.8	2467.3	2367.6	2069.5	1872.1	1725.5	1716.5	1720.0	1969.8	1891.0	1689.6
45°	2523.2	2518.7	2475.8	2160.7	1939.4	1820.2	1838.7	1816.2	2074.5	2069.5	1807.3
47.5°	2476.3	2478.8	2490.8	2241.5	1988.7	1895.0	1957.3	1921.4	2199.1	2251.5	1939.9
50°	2311.3	2310.3	2378.6	2253.5	2017.1	1954.8	2062.0	2020.6	2347.2	2437.9	2059.5
52.5°	1803.3	1869.6	2116.9	2124.8	2010.7	1984.7	2140.8	2134.8	2486.8	2589.5	2179.2
55°	1357.1	1384.0	1618.8	1843.2	1926.9	1981.3	2168.7	2211.6	2590.0	2700.2	2272.9
57.5°	1066.4	1057.4	1186.1	1485.7	1715.5	1922.4	2162.2	2241.5	2690.7	2829.8	2396.5
60°	780.2	788.2	890.4	1077.4	1410.9	1788.8	2142.3	2289.9	2850.2	3039.2	2580.5
62.5°	565.9	565.9	636.2	750.3	1080.9	1574.4	2098.9	2357.7	3100.0	3323.4	2799.4
65°	380.9	378.4	430.8	489.1	740.4	1302.7	1982.2	2421.0	3339.3	3573.1	2987.3
67°	280.2	285.7	307.1	345.5	512.0	1043.5	1815.7	2408.5	3449.5	3696.8	3024.2
67.5°	262.2	264.7	294.1	328.0	472.1	974.7	1768.4	2393.6	3461.5	3693.8	3005.3
70°	190.4	194.4	210.4	220.4	285.7	643.1	1411.4	2158.2	3287.0	3477.4	2732.6
72.5°	102.2	110.7	153.1	152.1	177.5	392.4	959.7	1601.9	2701.7	2830.8	2097.4
75°	79.8	80.8	91.2	112.7	114.7	218.4	461.7	930.8	1709.0	1718.5	1164.6
77.5°	58.3	60.8	67.3	71.3	74.8	124.1	161.5	369.9	756.8	661.1	436.2
80°	39.4	40.9	44.4	52.8	61.3	70.3	52.3	98.7	178.0	138.1	65.3
82.5°	17.0	16.5	30.9	44.4	43.9	28.9	26.4	30.9	35.4	32.4	19.9
85°	1.0	1.5	16.0	21.4	18.4	12.5	16.5	13.0	13.5	13.0	10.0
87.5°	0.5	0.5	1.5	2.0	2.5	2.5	3.0	3.0	4.0	4.5	4.0
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.5	1.5	1.5	1.5	1.5	0.5	0.5	0.0	0.0	0.0	0.0
5°	1.5	1.5	1.5	1.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
7.5°	1.5	1.5	1.5	1.5	1.5	0.5	0.0	5.5	15.0	16.0	15.5
10°	1.5	1.5	1.5	1.5	1.0	13.0	17.9	17.0	16.5	16.0	16.0
12.5°	90.7	76.8	14.0	3.0	13.0	16.5	14.5	14.5	14.0	14.0	14.0
15°	198.4	166.5	78.3	26.4	20.4	14.0	13.0	13.0	21.4	23.4	22.9
17.5°	207.9	168.0	76.8	35.9	29.4	17.9	17.9	22.9	22.4	21.4	21.4
20°	395.4	259.2	88.7	35.4	26.9	28.4	21.4	19.9	18.9	17.9	17.9
22.5°	422.8	304.6	95.2	44.9	28.9	28.4	21.9	18.4	23.4	22.9	22.9
25°	545.9	367.9	86.2	41.9	37.4	25.9	23.4	20.4	19.9	18.9	18.9
27.5°	676.5	435.2	95.2	43.4	33.9	25.4	21.9	17.9	18.9	20.9	20.9
30°	741.8	435.7	75.3	44.4	32.4	25.9	19.4	19.9	18.9	18.4	17.9
32.5°	995.6	559.4	72.3	42.4	30.4	22.4	19.9	17.4	16.0	17.4	17.4
35°	1040.5	539.9	62.8	42.9	27.4	20.4	17.0	16.0	16.0	15.5	15.5
37.5°	1089.8	519.0	55.3	37.9	26.4	18.4	14.5	14.5	14.0	15.0	15.0
40°	1144.2	497.1	49.4	32.9	22.4	15.5	13.0	12.5	13.0	13.0	12.5
42.5°	1207.5	475.6	44.4	28.9	18.9	13.0	10.5	10.5	10.5	10.0	10.0
45°	1275.3	458.7	40.9	24.9	16.0	11.0	8.5	8.0	7.5	7.5	7.5
47.5°	1355.6	451.7	37.9	20.9	13.5	8.5	6.5	6.0	5.5	5.0	5.0
50°	1422.9	448.7	33.4	17.4	11.5	7.0	4.5	4.0	3.5	3.0	3.0
52.5°	1482.2	435.7	28.9	14.0	9.0	5.0	3.0	2.0	1.5	1.5	1.5
55°	1541.0	423.8	24.9	12.0	6.5	3.0	1.5	0.5	0.5	1.0	1.0
57.5°	1613.8	410.3	21.4	10.0	5.0	2.0	1.0	0.0	0.5	0.5	1.0
60°	1728.0	396.3	18.9	8.5	3.5	1.5	0.5	0.0	0.0	0.5	0.5
62.5°	1830.2	371.9	16.5	7.5	3.0	1.5	0.5	0.0	0.0	0.0	0.5
65°	1874.6	321.6	14.5	6.5	3.0	1.5	0.5	0.0	0.0	0.0	0.0
67°	1800.3	260.2	13.0	6.0	2.5	1.0	0.5	0.0	0.0	0.0	0.0
67.5°	1765.4	242.8	13.0	5.5	2.5	1.0	0.5	0.5	0.0	0.0	0.0
70°	1498.7	161.0	11.5	5.0	2.5	1.0	1.0	0.5	0.0	0.0	0.0
72.5°	1150.2	93.7	10.0	4.5	2.5	1.0	1.0	0.5	0.5	0.0	0.0
75°	643.1	47.4	8.0	4.5	2.5	1.5	1.5	1.0	1.0	1.0	0.0
77.5°	205.9	25.9	6.0	4.0	2.5	1.5	1.5	1.0	1.5	1.5	0.5
80°	32.4	13.5	4.5	3.0	2.5	1.0	1.5	1.5	2.0	2.0	0.5
82.5°	12.0	7.5	3.5	3.0	2.5	1.0	1.5	1.5	2.0	2.5	0.0
85°	5.5	4.5	3.5	3.0	2.5	1.0	1.5	1.5	2.0	2.5	0.0
87.5°	2.5	3.5	3.0	3.0	2.5	1.0	1.5	1.5	2.0	2.0	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)