

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: P415321

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415321  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-40-830-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4041 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

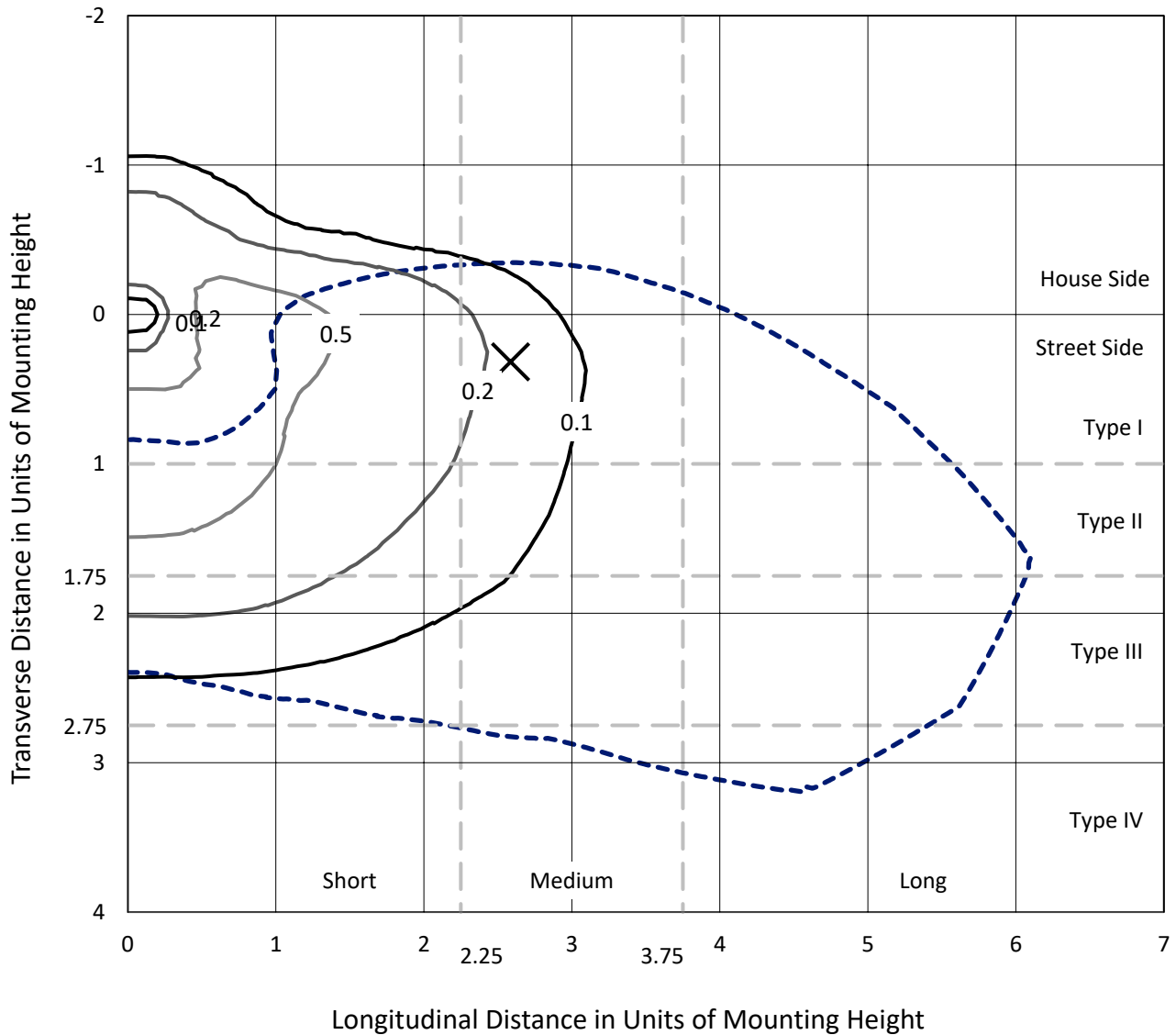
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

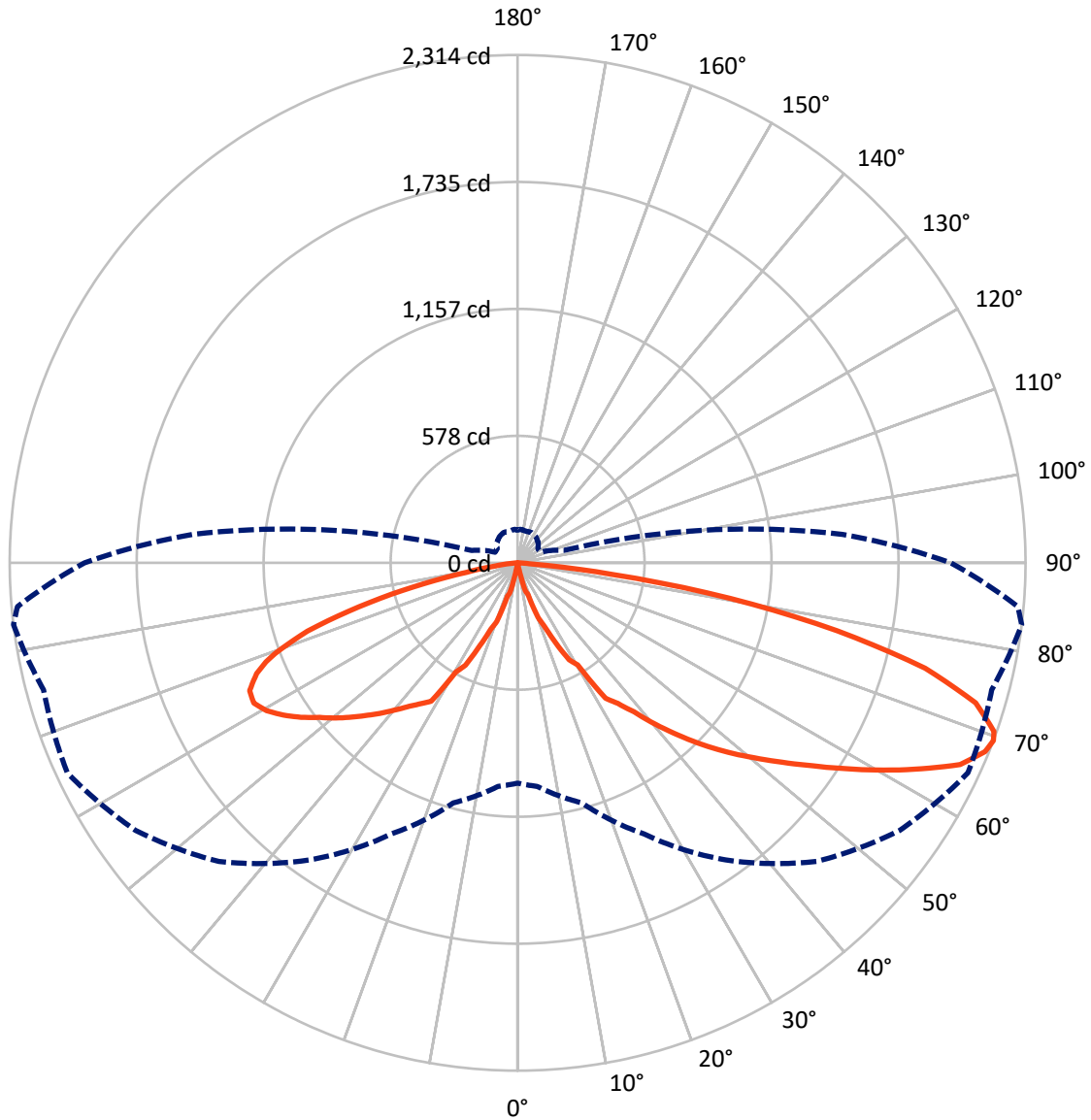
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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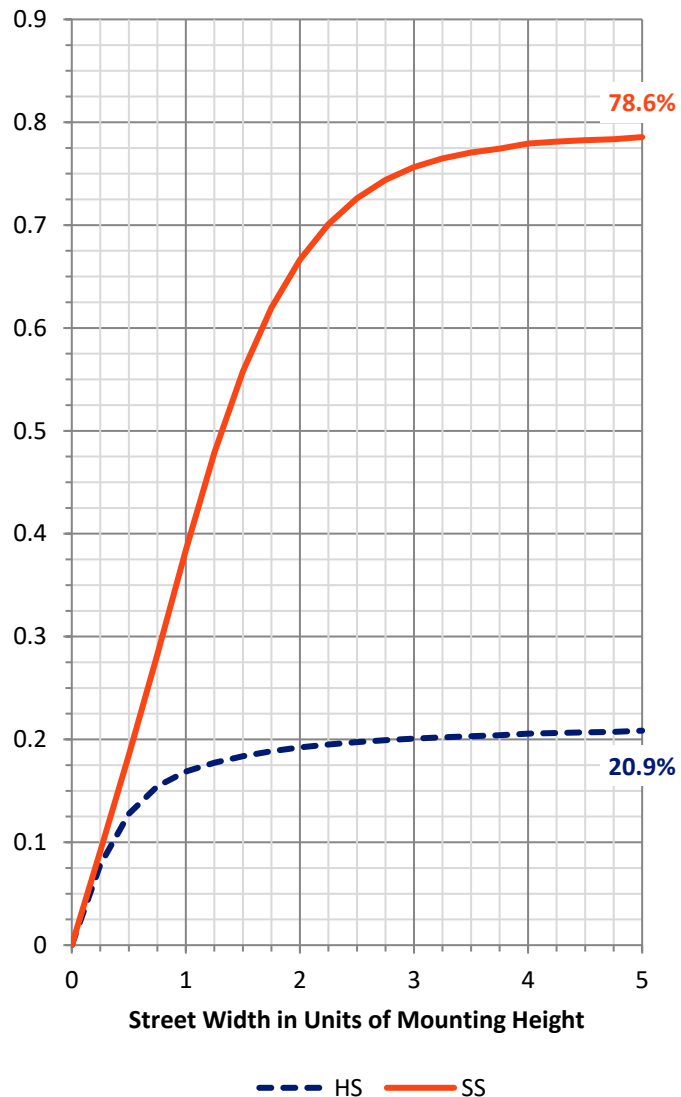
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	857.1	0.0	857.1
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	3183.9	0.0	3183.9
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	4041.0	0.0	4041.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	41.1	1.0
20°-30°	162.1	4.0
30°-40°	360.6	8.9
40°-50°	612.4	15.2
50°-60°	912.6	22.6
60°-70°	1074.7	26.6
70°-80°	752.2	18.6
80°-90°	122.8	3.0
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°	4041.0	100.0
0°-180°	4041.0	100.0

**Coefficient of Utilization**



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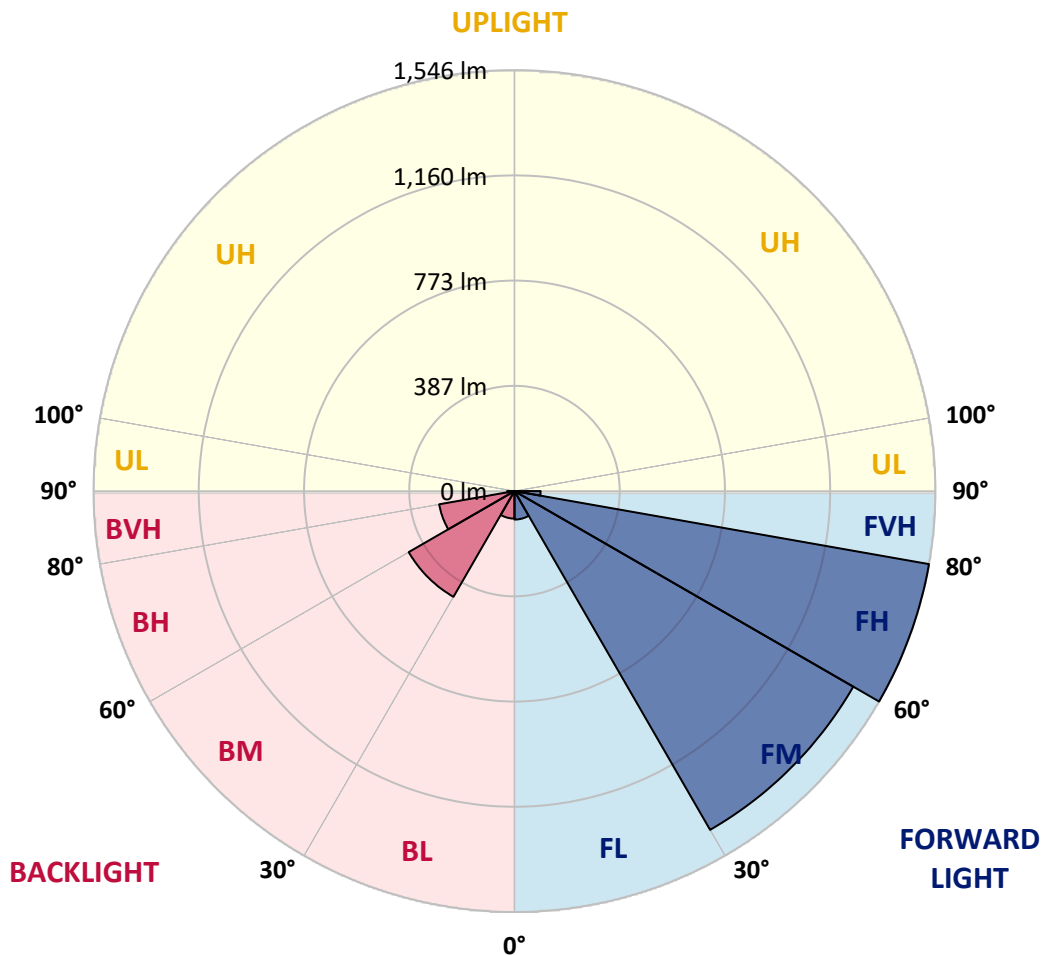
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.6	2.6			
FM (30°-60°)	1437.0	35.6			
FH (60°-80°)	1546.2	38.3			G1/1800
FVH (80°-90°)	96.0	2.4			G1/100
BL (0°-30°)	101.1	2.5	B0/110		
BM (30°-60°)	448.5	11.1	B1/1000		
BH (60°-80°)	280.7	6.9	B1/500		G1/500
BVH (80°-90°)	26.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.2	1.7	2.2	2.6	2.6	2.2	1.7	1.7	1.7	1.7	1.3
5°	35.2	25.7	23.1	20.4	12.2	4.4	2.6	1.7	1.7	1.7	1.7
7.5°	74.4	74.4	74.4	74.8	74.4	55.2	13.1	3.0	1.7	1.7	1.7
10°	75.3	74.8	74.4	74.8	75.7	76.1	73.5	10.4	4.4	3.9	3.9
12.5°	136.2	135.3	130.5	91.4	77.4	77.9	79.6	57.4	20.9	55.2	64.4
15°	144.4	143.6	143.6	144.0	136.6	84.8	119.6	156.6	111.4	133.1	135.3
17.5°	161.8	157.0	153.1	150.5	151.4	168.8	169.7	173.1	129.6	149.2	151.8
20°	248.0	246.2	232.3	177.9	166.2	219.3	195.3	192.3	242.7	263.6	268.0
22.5°	283.2	281.5	271.5	261.9	273.2	238.8	278.0	286.7	328.9	316.3	320.2
25°	384.6	383.3	327.6	303.2	333.2	274.5	343.2	328.5	363.3	405.0	409.4
27.5°	470.7	467.7	456.4	408.9	372.0	411.5	379.8	439.0	493.3	500.3	513.3
30°	559.0	539.0	504.2	505.9	458.1	453.7	452.4	526.8	528.6	539.4	561.6
32.5°	703.5	694.3	665.2	575.1	564.7	504.2	556.8	561.6	690.4	735.6	740.0
35°	819.2	780.0	752.6	701.7	622.5	642.1	620.4	706.5	757.4	786.5	804.4
37.5°	1003.6	1008.8	964.0	778.7	729.1	706.5	744.3	790.9	854.4	861.4	888.3
40°	1136.3	1132.8	1072.4	935.8	824.8	801.8	827.0	872.7	958.8	967.5	974.0
42.5°	1329.5	1312.5	1228.1	1074.5	971.9	923.1	930.1	949.2	1035.4	1074.1	1066.3
45°	1508.3	1497.0	1411.7	1222.4	1111.1	1054.1	1043.6	1026.7	1130.2	1182.0	1167.6
47.5°	1648.3	1628.3	1579.6	1386.9	1301.2	1204.2	1152.0	1121.1	1224.2	1290.3	1270.3
50°	1798.4	1768.0	1724.0	1550.0	1465.6	1379.1	1264.2	1225.5	1329.9	1395.6	1379.5
52.5°	1898.1	1850.6	1823.2	1695.3	1617.5	1541.8	1373.4	1347.3	1446.1	1509.1	1505.7
55°	1848.0	1846.3	1874.1	1793.2	1717.5	1637.5	1486.9	1485.6	1567.4	1632.3	1635.3
57.5°	1761.0	1770.2	1849.3	1861.5	1829.3	1735.4	1627.5	1640.5	1710.1	1770.2	1776.7
60°	1650.1	1675.3	1789.3	1853.7	1879.4	1832.8	1762.8	1782.8	1865.9	1917.6	1915.9
62.5°	1503.5	1523.9	1665.7	1811.5	1863.7	1907.6	1887.6	1952.0	2017.7	2066.4	2079.0
65°	1330.3	1338.6	1492.2	1688.8	1823.7	1945.9	1992.0	2109.0	2140.8	2215.6	2218.2
67.5°	1138.5	1141.1	1274.7	1509.1	1736.7	1942.9	2080.8	2225.2	2216.9	2296.5	2290.5
69°	1003.6	1022.3	1132.0	1363.0	1652.3	1924.2	2124.7	2263.5	2235.6	2313.5	2287.0
70°	908.8	907.5	1032.8	1239.0	1577.9	1900.2	2152.6	2273.5	2236.1	2301.8	2261.7
72.5°	579.0	587.7	696.1	879.2	1271.6	1761.9	2186.9	2247.0	2188.2	2181.7	2096.0
75°	255.8	232.3	300.2	465.5	799.6	1370.4	2104.3	2127.3	2052.1	1917.6	1770.6
77.5°	89.6	93.1	113.1	189.2	385.0	816.6	1744.1	1871.5	1812.4	1489.1	1325.1
80°	64.0	64.4	75.7	105.7	186.6	288.0	1110.2	1353.8	1394.7	981.9	844.0
82.5°	45.2	45.2	56.1	67.4	129.2	128.8	477.7	744.8	795.7	435.5	325.8
85°	37.8	38.7	43.1	39.2	75.7	65.7	117.9	229.7	188.4	53.1	46.5
87.5°	5.7	5.2	14.8	13.1	11.3	9.6	13.1	14.8	10.0	7.8	5.7
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.7	1.7	1.7	1.7	1.3	0.9	0.9	0.9	1.3	1.3	1.3
5°	1.7	1.7	1.7	1.7	1.7	1.7	2.2	3.0	3.5	3.9	3.9
7.5°	1.7	1.7	1.7	2.2	2.6	3.9	21.3	74.0	80.9	84.4	86.6
10°	3.5	3.9	3.9	3.9	9.6	81.8	97.4	100.9	104.4	106.1	105.7
12.5°	67.4	69.6	17.4	12.6	76.1	102.2	105.3	108.8	112.2	114.8	114.4
15°	138.8	142.3	136.6	141.4	150.1	110.9	113.5	192.3	208.4	211.4	211.9
17.5°	154.9	157.5	160.1	208.4	213.6	164.4	196.6	211.0	212.7	213.6	214.0
20°	295.0	293.6	237.5	228.4	226.2	285.4	208.8	212.7	254.5	289.7	291.5
22.5°	325.4	329.3	313.7	335.4	297.1	288.9	263.2	281.9	297.6	297.1	295.8
25°	422.0	427.2	359.8	348.9	356.3	287.1	328.5	281.5	285.8	286.3	288.9
27.5°	527.7	529.0	499.4	392.8	350.6	355.4	309.3	299.7	335.0	337.2	337.2
30°	574.7	582.9	527.7	455.0	363.3	335.8	299.7	326.7	311.0	313.7	313.7
32.5°	763.5	757.0	689.1	450.7	376.3	308.9	313.2	302.8	335.4	344.1	345.0
35°	813.1	799.6	693.0	503.8	351.1	315.4	286.3	307.6	307.6	307.1	305.0
37.5°	874.4	850.9	684.7	466.4	353.2	288.0	276.2	276.7	301.9	307.6	303.7
40°	947.1	911.8	683.4	435.5	320.2	272.8	253.6	266.2	265.8	258.4	254.1
42.5°	1025.8	979.3	680.4	398.9	287.6	255.8	239.3	235.4	237.5	224.0	222.7
45°	1118.0	1048.9	671.7	366.7	261.5	237.5	218.8	212.7	213.6	203.2	200.6
47.5°	1215.9	1120.6	669.5	341.5	239.7	219.3	204.0	196.2	199.2	187.5	184.9
50°	1325.1	1194.6	662.1	318.0	215.8	202.3	191.0	181.8	182.3	173.1	171.0
52.5°	1443.9	1266.4	653.9	285.8	194.0	187.9	181.4	174.4	182.3	170.1	167.5
55°	1565.7	1353.8	643.0	248.4	174.4	177.1	170.5	175.8	187.1	167.9	164.4
57.5°	1701.0	1436.0	622.5	207.5	158.8	164.9	169.2	176.2	185.3	167.5	161.0
60°	1829.3	1515.2	573.8	175.3	145.3	154.9	166.6	173.6	172.7	164.4	160.1
62.5°	1959.8	1580.5	483.8	150.5	134.0	150.1	162.7	165.7	161.8	158.8	156.2
65°	2031.6	1596.6	375.0	134.0	124.9	143.6	157.9	160.5	154.9	154.9	152.7
67.5°	2019.9	1544.8	276.7	120.5	117.0	137.0	149.7	155.7	151.8	154.9	151.4
69°	1972.9	1485.6	217.5	113.5	113.1	131.8	144.9	151.8	148.8	153.1	148.8
70°	1917.6	1426.0	192.3	109.6	109.2	127.9	141.8	148.8	145.3	148.8	144.9
72.5°	1705.8	1223.8	137.9	98.8	100.1	120.1	134.4	139.6	136.6	137.5	132.3
75°	1363.8	909.7	109.2	89.6	90.9	110.9	126.2	129.2	127.0	123.1	120.1
77.5°	958.8	586.4	89.6	81.4	81.8	100.1	117.5	117.0	113.5	109.6	105.7
80°	522.9	275.8	76.1	71.3	72.7	89.2	104.8	103.5	99.2	95.3	90.5
82.5°	226.2	111.4	59.2	57.0	60.9	74.8	90.1	86.6	82.7	84.4	65.7
85°	40.5	38.3	34.4	36.5	41.3	53.1	63.5	60.5	58.3	49.6	45.7
87.5°	3.5	5.2	5.2	6.5	9.1	10.0	17.8	13.1	13.5	5.2	2.6
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)