

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: P415034

Luminaire Tested: **LXF.LXT-PA1-40-730-U-SL3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)  
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-SL3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4586 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

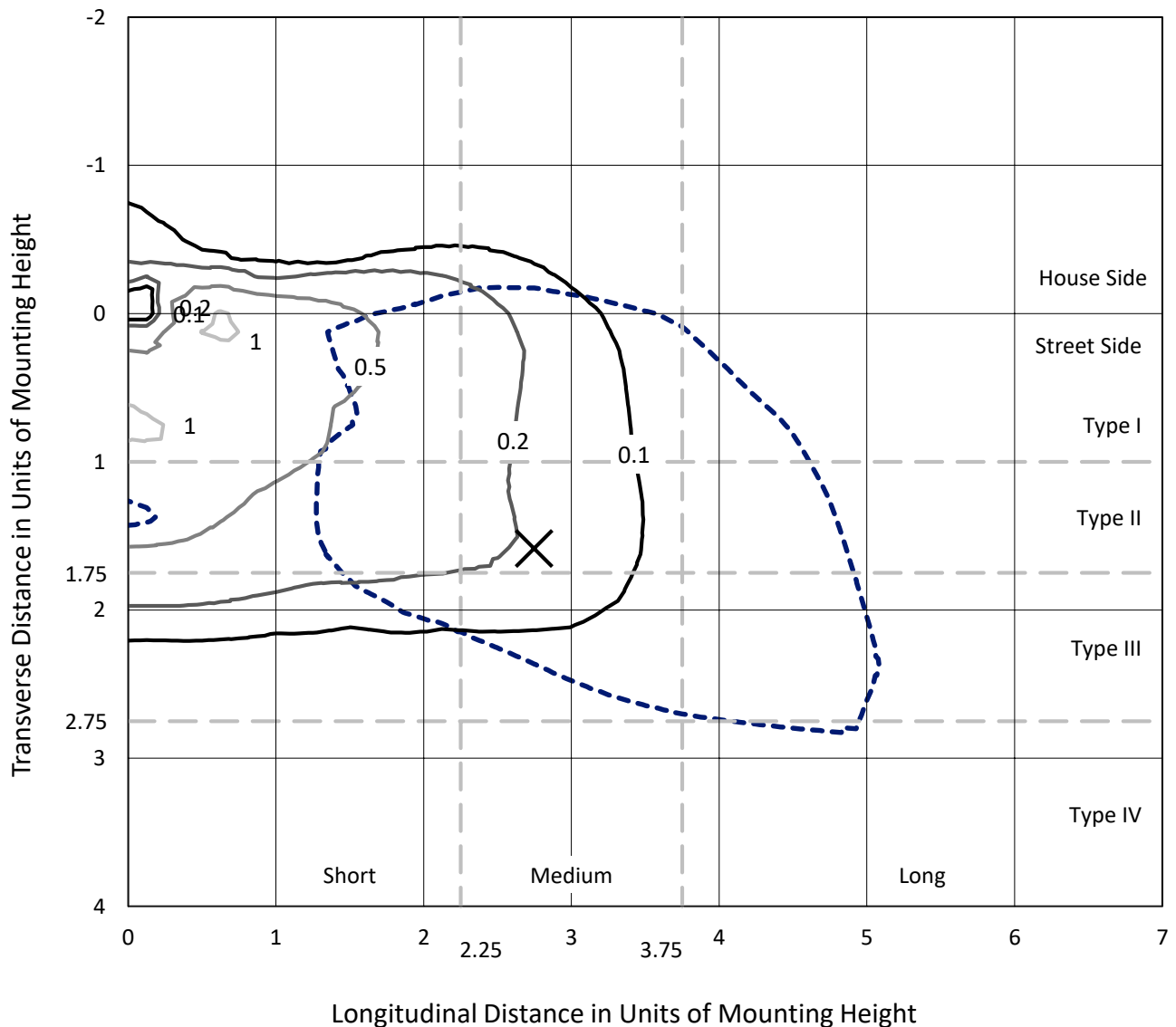
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415034  
 CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

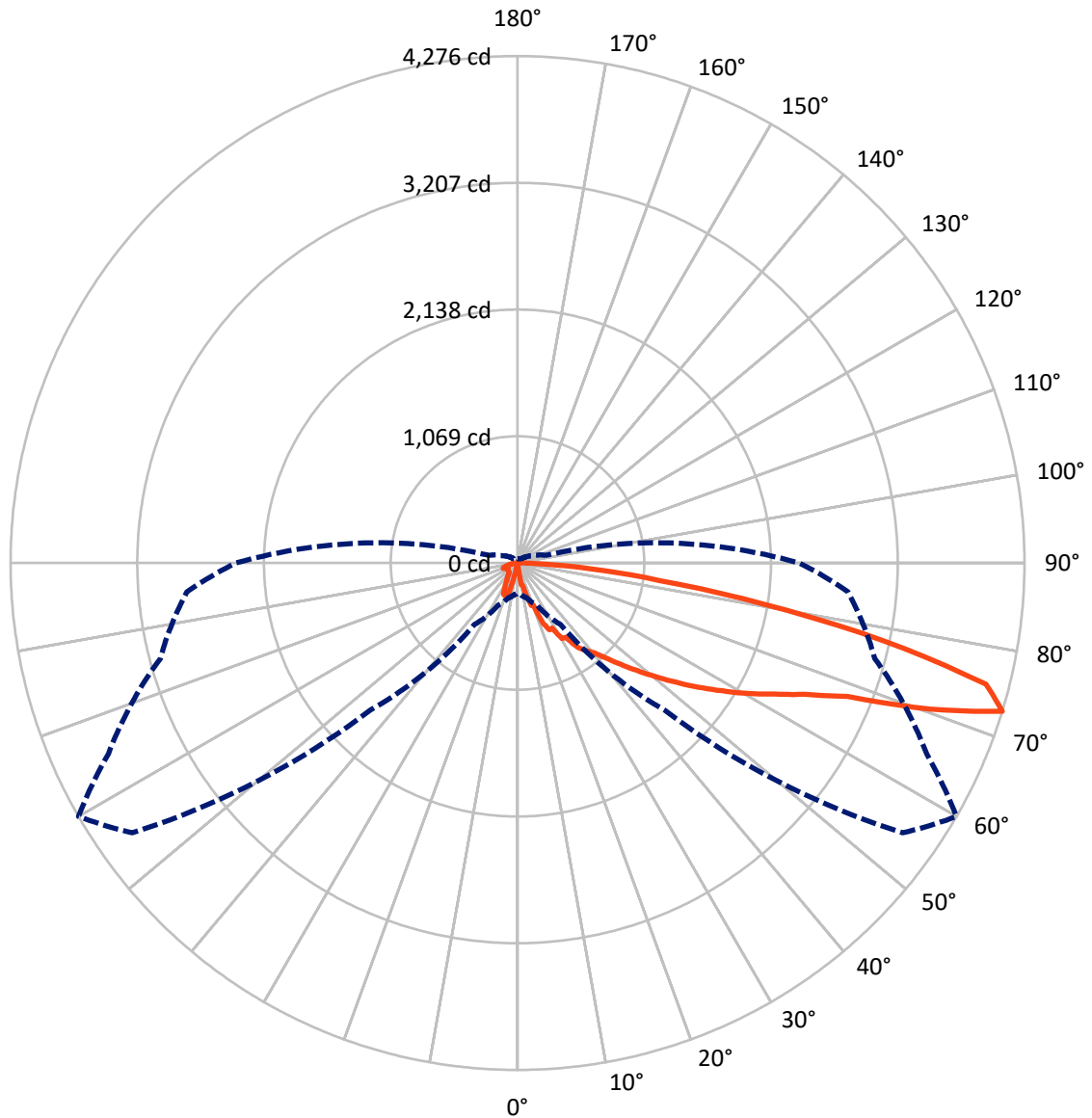


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P415034

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P415034

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3

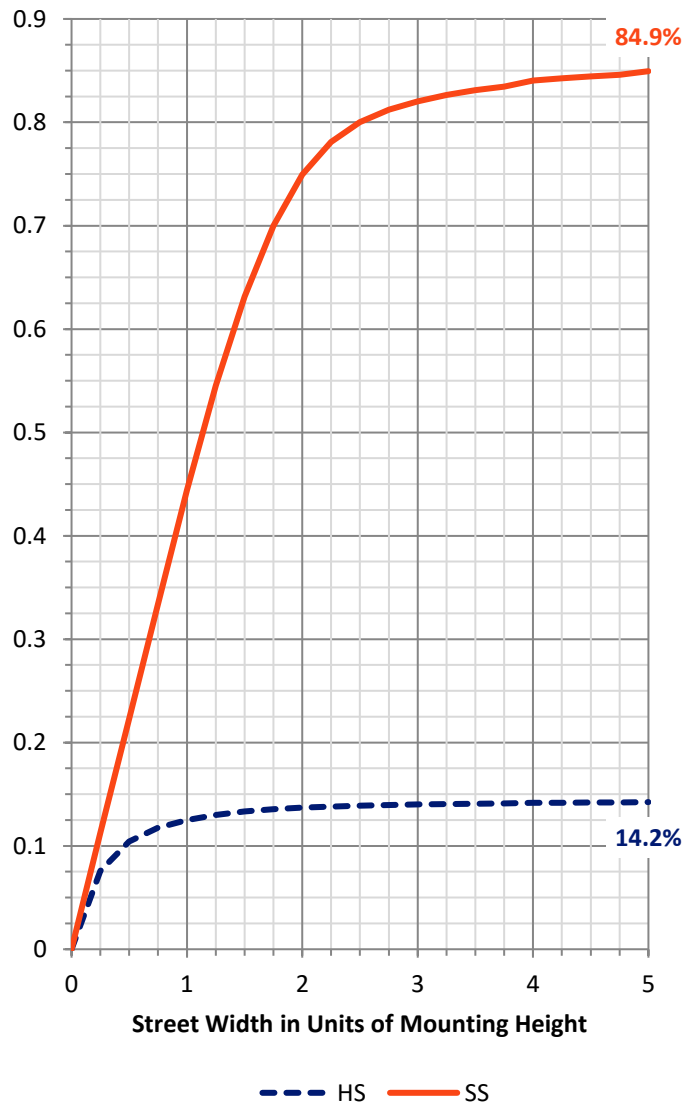
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	660.5	0.0	660.5
	% Fixture	14.4	0.0	14.4
<b>Street Side</b>	Lumens	3925.6	0.0	3925.6
	% Fixture	85.6	0.0	85.6
<b>Total</b>	Lumens	4586.0	0.0	4586.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	66.9	1.5
20°-30°	201.3	4.4
30°-40°	398.2	8.7
40°-50°	659.6	14.4
50°-60°	985.3	21.5
60°-70°	1172.2	25.6
70°-80°	938.4	20.5
80°-90°	159.3	3.5
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°	4586.0	100.0
0°-180°	4586.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P415034

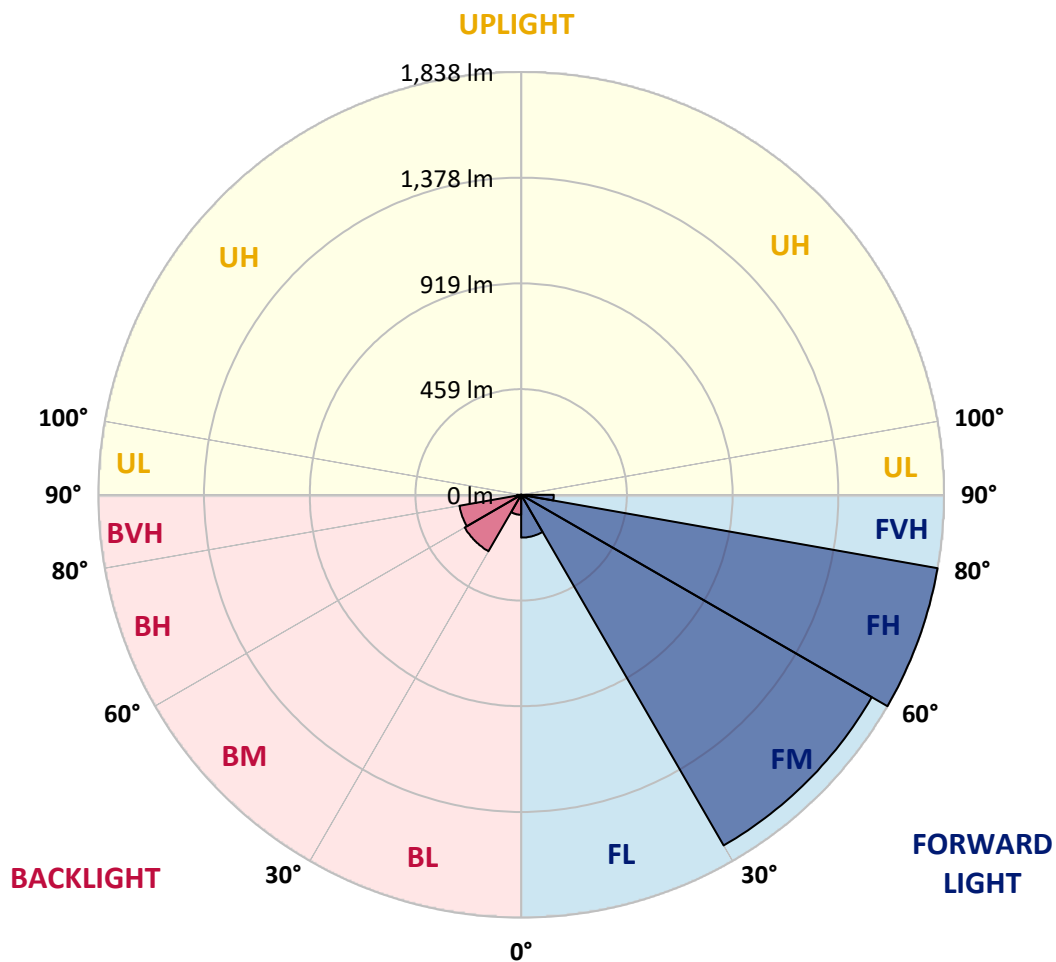
CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.1	4.1			
FM	(30°-60°)	1759.8	38.4			
FH	(60°-80°)	1837.9	40.1			G2/5000
FVH	(80°-90°)	141.7	3.1			G2/225
BL	(0°-30°)	86.9	1.9	B0/110		
BM	(30°-60°)	283.3	6.2	B1/1000		
BH	(60°-80°)	272.6	5.9	B1/500		G1/500
BVH	(80°-90°)	17.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





REPORT NUMBER: P415034

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.5	2.5	3.0	3.5	3.5	3.0	2.5	2.5	2.5	2.0	2.5
5°	171.4	86.4	58.0	27.5	20.5	10.0	4.0	3.0	3.0	2.5	2.5
7.5°	196.8	196.8	197.3	199.3	200.8	201.8	25.0	13.0	5.0	2.5	2.5
10°	189.9	188.4	189.4	191.3	193.3	196.3	199.8	189.9	22.5	4.0	3.0
12.5°	350.7	349.7	337.7	205.8	190.8	190.8	195.8	196.3	154.4	15.0	14.5
15°	338.2	337.7	339.2	342.7	348.2	197.3	200.3	291.8	380.2	267.8	311.3
17.5°	347.7	343.7	334.7	332.7	337.7	317.2	373.2	377.7	386.2	307.8	315.3
20°	477.1	475.6	475.6	400.7	330.2	461.6	438.2	378.2	388.2	445.1	557.6
22.5°	475.6	473.1	469.6	469.1	538.1	449.1	456.1	547.1	569.1	652.5	630.0
25°	646.5	640.0	542.1	472.6	534.6	503.1	609.5	625.5	578.5	677.0	644.5
27.5°	701.9	689.5	658.5	603.5	538.6	611.5	608.5	621.5	638.0	925.3	885.8
30°	953.2	894.3	728.4	700.9	644.0	619.0	693.5	738.9	805.9	906.3	922.8
32.5°	1066.7	1045.2	964.2	862.8	752.4	668.5	758.4	746.9	811.9	1101.6	1183.1
35°	1311.5	1285.0	1063.2	971.7	874.8	819.4	779.9	872.3	952.2	1145.6	1205.5
37.5°	1359.4	1353.4	1302.0	1138.1	1008.2	900.8	912.8	937.8	989.7	1207.0	1269.0
40°	1396.9	1397.4	1412.4	1271.0	1131.1	1031.7	995.7	996.2	1040.7	1308.0	1350.4
42.5°	1495.8	1499.8	1540.3	1389.4	1280.0	1184.6	1122.1	1094.6	1128.6	1423.9	1450.4
45°	1674.2	1665.2	1699.7	1511.3	1391.9	1310.0	1260.0	1218.0	1236.0	1547.3	1577.8
47.5°	1898.5	1879.5	1868.0	1663.2	1513.8	1443.4	1396.9	1352.9	1358.4	1665.2	1723.6
50°	2071.9	2062.4	2002.9	1778.1	1618.7	1577.8	1558.3	1503.8	1480.3	1796.6	1890.5
52.5°	2145.8	2136.8	2063.4	1865.0	1701.7	1706.2	1740.1	1669.2	1603.2	1939.0	2049.4
55°	2132.8	2125.3	2076.9	1908.0	1761.6	1830.1	1919.0	1848.0	1762.6	2073.4	2211.3
57.5°	2036.9	2040.4	2039.9	1911.0	1807.6	1946.5	2093.8	2032.9	1931.5	2206.8	2342.7
60°	1825.1	1843.5	1912.5	1889.5	1866.0	2056.4	2263.7	2235.2	2127.8	2353.1	2464.1
62.5°	1461.8	1498.3	1649.2	1772.1	1913.0	2210.3	2429.6	2433.1	2331.2	2466.6	2558.0
65°	986.2	983.2	1208.0	1512.8	1857.5	2452.1	2677.4	2670.4	2519.5	2596.0	2696.4
67.5°	548.1	560.1	707.4	1001.2	1644.2	2601.9	3153.0	3003.1	2779.3	2793.3	2890.7
70°	339.2	353.7	403.2	559.6	1052.7	2427.1	3764.0	3694.1	3259.4	3055.1	2969.2
72.5°	257.8	265.8	305.8	396.7	633.5	1755.6	3966.9	4275.6	3807.0	3119.5	2798.3
75°	153.9	163.4	217.8	342.7	528.1	908.8	3439.3	4079.8	3980.9	3078.6	2442.1
77.5°	95.9	98.4	117.4	239.3	486.6	572.0	2356.1	3160.0	3244.4	2607.4	1725.6
80°	73.4	73.9	80.9	127.4	393.2	541.6	1364.4	2110.3	2068.4	1392.4	678.0
82.5°	46.5	49.5	63.0	77.9	186.9	528.1	806.4	1201.6	1057.7	376.7	188.9
85°	23.5	26.5	44.5	53.5	90.4	572.0	572.0	616.0	433.2	126.4	71.4
87.5°	4.0	4.0	6.0	14.0	18.0	96.9	159.9	139.4	91.9	17.0	14.0
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: P415034

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.5	2.5	2.5	2.0	1.5	1.0	0.5	0.5	0.5	1.0	1.0
5°	2.5	2.5	2.5	2.0	1.5	1.0	0.5	0.5	1.0	1.5	1.5
7.5°	2.5	2.5	2.5	2.0	1.5	1.5	1.0	2.0	4.5	58.5	39.5
10°	3.0	3.0	3.0	2.5	2.0	5.5	170.9	180.4	180.9	179.9	177.9
12.5°	16.0	17.5	13.0	4.5	18.5	171.4	164.4	156.4	153.4	149.9	149.9
15°	315.8	311.8	294.3	216.8	132.9	152.9	137.4	126.9	196.8	194.3	196.3
17.5°	316.8	309.8	284.8	310.3	287.8	137.4	155.9	169.4	159.9	156.4	157.9
20°	601.0	568.6	288.8	289.3	246.8	243.8	132.4	124.9	126.4	129.4	130.4
22.5°	612.0	574.5	443.2	374.7	211.8	195.3	135.4	108.4	160.4	178.4	180.4
25°	617.0	570.1	418.7	331.7	239.3	146.4	130.9	118.9	146.4	164.4	165.4
27.5°	872.3	790.4	572.0	281.8	184.9	128.4	122.4	111.9	131.4	162.9	163.4
30°	864.8	768.4	530.1	272.8	142.9	118.4	105.9	116.9	123.9	132.4	132.4
32.5°	1124.6	986.2	588.0	219.8	119.9	98.4	99.9	106.4	106.9	126.4	127.9
35°	1125.1	964.7	506.6	200.8	102.9	89.9	91.4	98.4	108.9	121.4	123.4
37.5°	1142.6	955.2	436.7	156.4	102.9	89.9	86.9	93.9	101.4	118.9	120.9
40°	1179.6	959.2	370.2	129.9	99.4	88.4	85.9	91.4	100.4	110.4	111.4
42.5°	1242.5	981.7	307.3	117.4	96.9	88.4	82.4	86.4	91.4	111.9	113.9
45°	1342.4	1029.7	258.8	112.4	95.9	84.9	78.4	79.4	82.9	132.4	137.9
47.5°	1459.3	1096.1	216.8	109.9	94.4	81.4	72.4	73.4	81.4	150.4	157.9
50°	1594.2	1194.6	191.8	109.4	92.9	76.4	67.9	73.4	89.9	149.9	153.4
52.5°	1752.6	1294.5	178.4	111.4	91.9	71.9	70.4	82.4	85.4	120.4	120.4
55°	1895.0	1405.4	179.4	112.9	88.9	71.9	72.4	69.9	67.4	82.9	83.4
57.5°	2034.9	1515.8	195.8	109.9	84.4	72.4	62.5	57.5	58.5	70.4	71.9
60°	2156.3	1622.2	245.3	103.4	80.4	65.4	58.0	54.0	55.0	70.9	72.4
62.5°	2287.2	1752.1	339.7	105.9	79.9	62.0	54.0	49.5	51.5	59.0	60.0
65°	2464.1	1933.5	424.7	124.9	82.9	60.0	49.5	47.0	47.5	48.0	48.0
67.5°	2637.4	2045.4	409.7	147.4	92.9	59.0	47.0	44.0	43.5	43.5	43.5
70°	2620.4	1924.0	324.7	156.4	100.9	59.0	45.0	41.0	40.0	40.0	40.0
72.5°	2375.1	1645.7	249.3	144.9	92.9	56.5	42.0	37.5	36.0	36.0	36.0
75°	2020.9	1320.0	209.3	125.9	75.9	48.5	37.0	33.5	32.5	32.5	32.0
77.5°	1291.0	780.4	177.9	102.4	58.5	39.5	32.0	29.0	29.0	29.0	27.5
80°	518.1	343.2	138.4	80.9	45.5	31.5	26.5	25.0	24.5	24.0	22.5
82.5°	196.8	169.4	89.9	59.0	35.0	24.0	21.5	20.0	20.0	19.5	17.0
85°	70.4	65.9	41.5	34.0	21.5	15.0	16.5	15.0	14.5	13.0	11.0
87.5°	15.0	16.5	11.5	7.5	7.5	4.5	5.5	6.0	6.0	5.5	3.0
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)