

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: P414862

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-827-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2866 lumens  
Efficiency: N/A  
Efficacy: 92.5 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): 31  
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

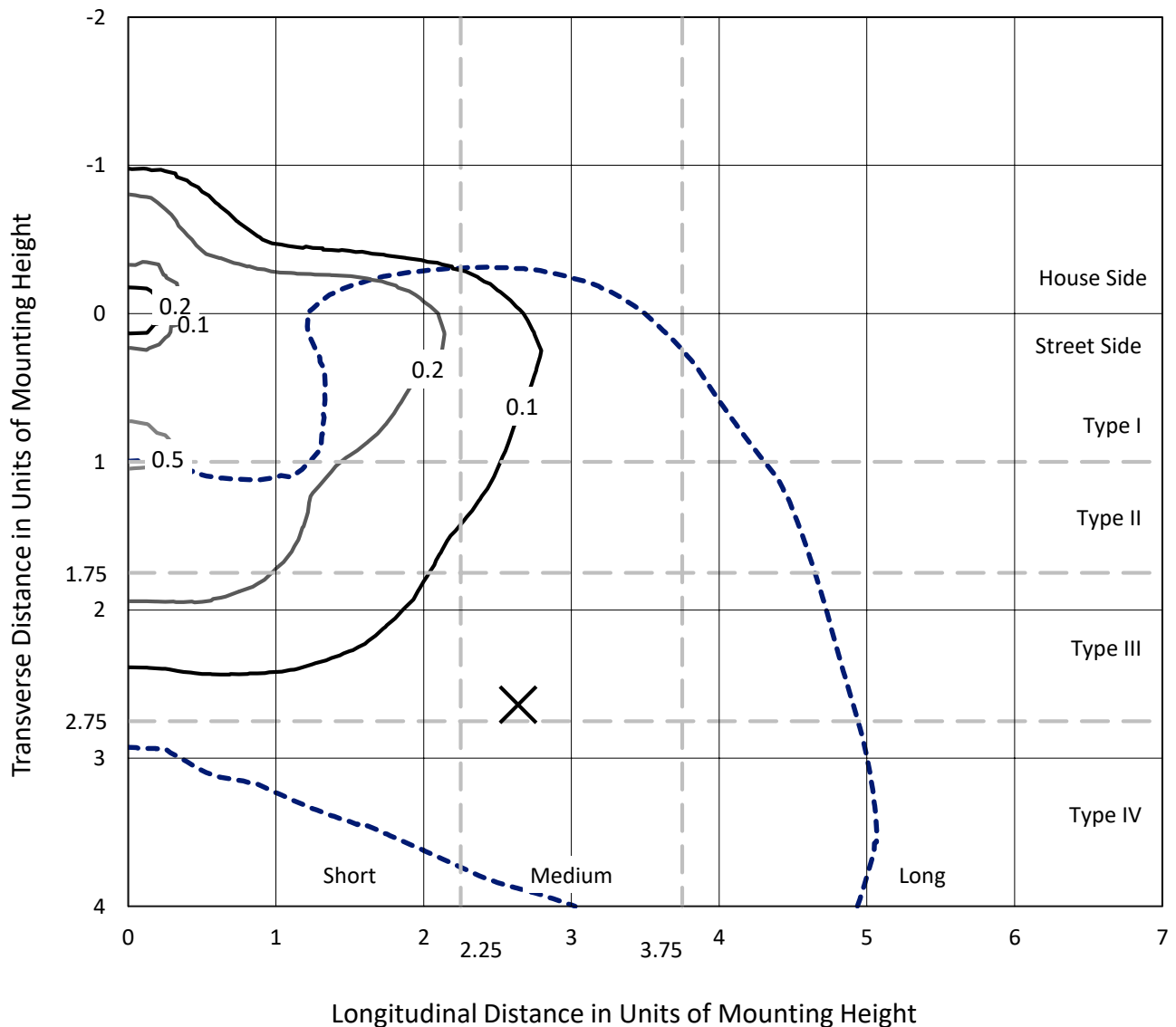


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

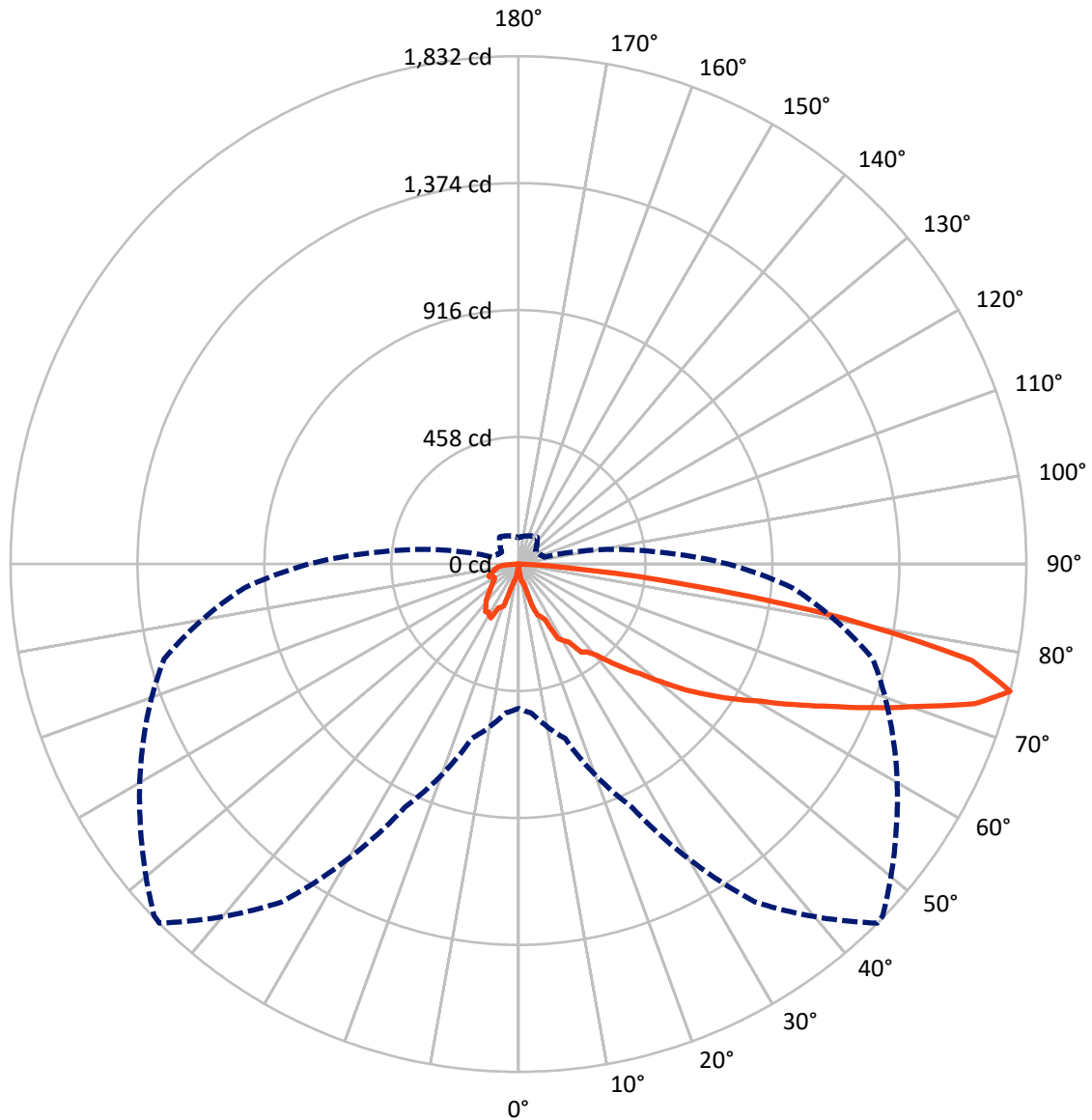


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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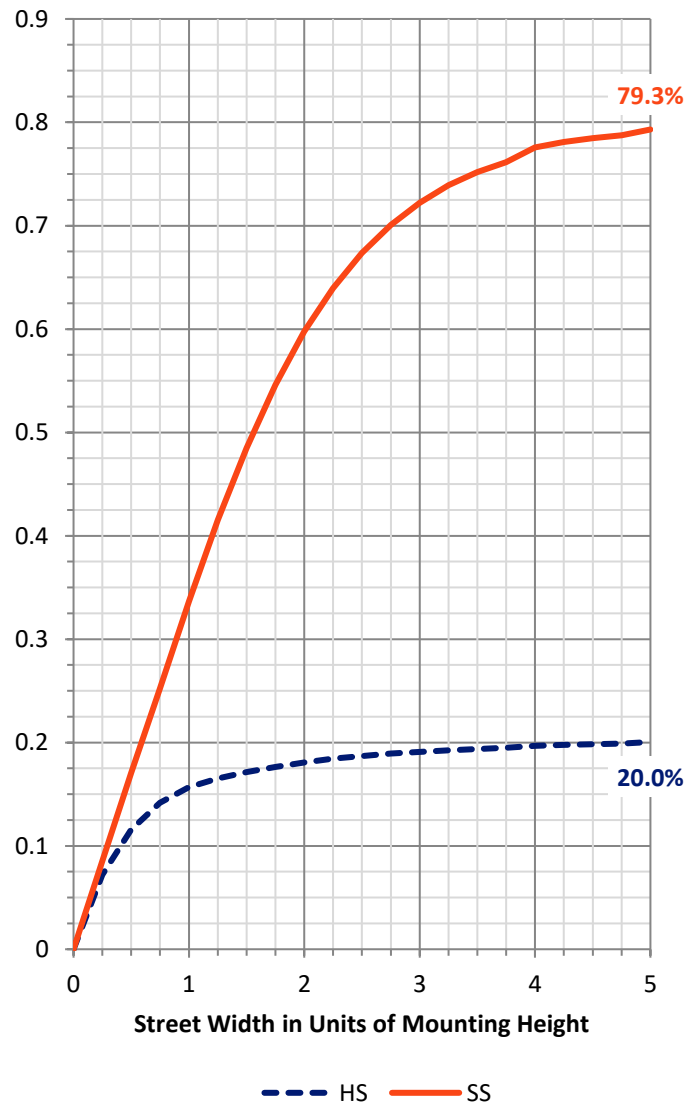
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	587.8	0.0	587.8
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	2278.2	0.0	2278.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	2866.0	0.0	2866.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	29.6	1.0
20°-30°	110.1	3.8
30°-40°	226.9	7.9
40°-50°	359.8	12.6
50°-60°	568.7	19.8
60°-70°	799.0	27.9
70°-80°	665.2	23.2
80°-90°	104.9	3.7
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°	2866.0	100.0
0°-180°	2866.0	100.0



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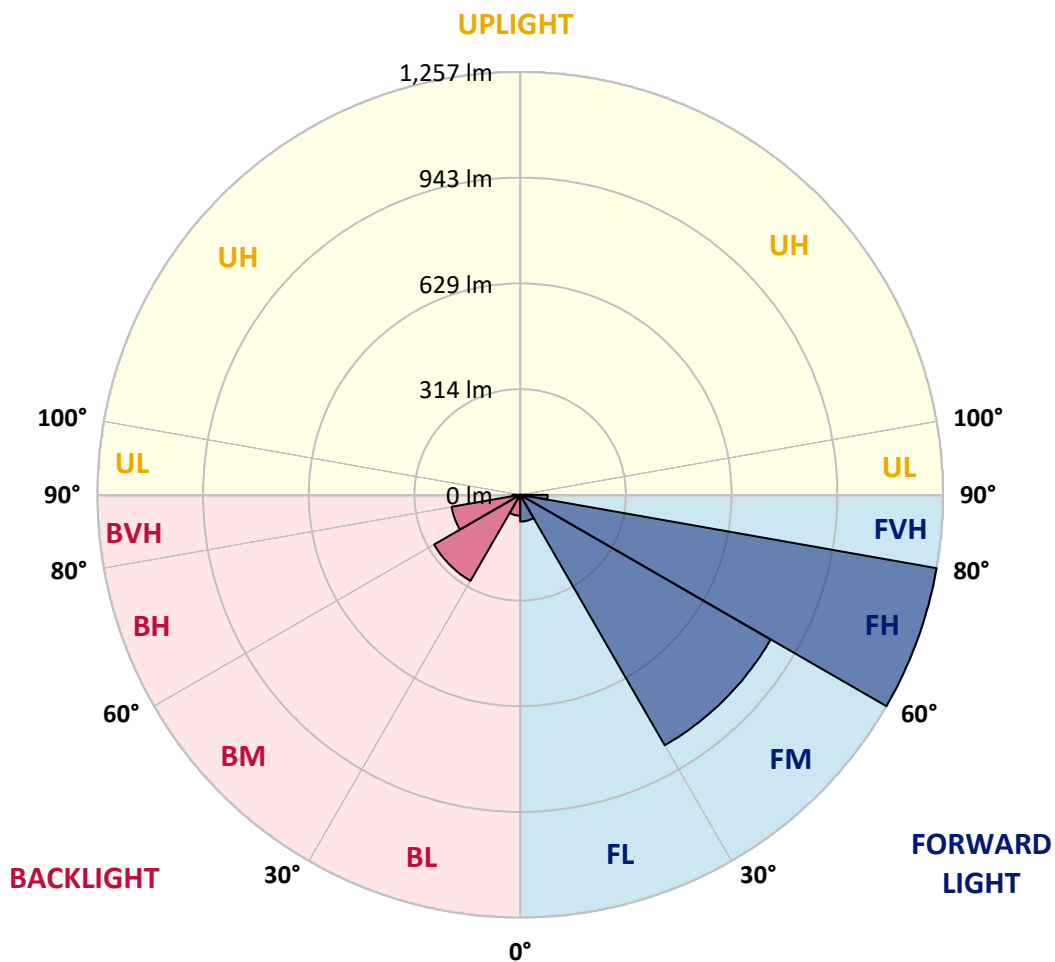
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.6	2.8			
FM	(30°-60°)	859.9	30.0			
FH	(60°-80°)	1257.2	43.9			G1/1800
FVH	(80°-90°)	81.4	2.8			G1/100
BL	(0°-30°)	62.0	2.2	B0/110		
BM	(30°-60°)	295.4	10.3	B1/1000		
BH	(60°-80°)	206.9	7.2	B1/500		G1/500
BVH	(80°-90°)	23.4	0.8			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°	46°	55°	65°	75°	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°	1.6	1.6	1.6	1.6	1.6	1.2	1.2	0.9	1.2	1.2	1.2
5°	22.1	20.8	16.5	14.6	12.1	5.0	4.0	1.9	1.6	1.6	1.2
7.5°	65.6	65.0	64.0	61.9	59.1	37.0	32.0	11.5	2.2	1.6	1.2
10°	72.4	71.2	69.6	67.4	65.0	61.9	61.5	56.6	10.3	3.4	2.8
12.5°	142.4	139.9	116.9	84.5	69.9	66.2	66.2	64.0	46.3	16.2	37.9
15°	152.9	151.7	147.3	141.7	133.3	76.8	75.2	100.1	123.4	86.4	91.7
17.5°	171.9	169.1	155.7	148.9	142.7	154.8	153.9	143.3	135.2	95.7	102.9
20°	239.6	238.1	232.5	166.6	153.5	195.8	196.4	162.6	147.0	169.4	168.2
22.5°	245.2	244.9	240.9	230.9	243.4	205.5	205.8	216.0	214.8	224.7	203.9
25°	320.8	319.8	259.5	238.1	265.8	221.3	231.3	267.9	239.3	243.7	254.6
27.5°	329.2	328.5	325.1	310.2	275.1	304.9	304.9	276.9	304.9	319.2	321.1
30°	374.2	362.4	338.5	331.3	320.5	320.2	321.1	320.8	352.8	334.1	352.8
32.5°	440.1	437.6	428.9	359.3	356.2	335.7	346.3	370.5	368.3	424.9	449.1
35°	535.2	501.4	470.6	414.6	369.9	391.0	392.6	384.2	428.9	447.0	481.2
37.5°	668.0	658.6	615.1	466.9	412.2	401.9	402.8	430.2	456.0	475.9	514.1
40°	764.6	759.7	729.5	571.6	451.9	431.4	433.6	451.3	475.3	510.7	550.5
42.5°	857.3	857.3	839.5	661.1	537.4	481.8	480.2	484.0	501.1	538.4	604.2
45°	917.6	914.1	929.1	745.4	601.1	535.9	530.0	529.0	535.2	579.4	676.4
47.5°	978.2	968.8	983.1	830.5	684.4	591.8	592.4	580.9	589.3	657.1	774.9
50°	1042.2	1044.1	1042.2	902.3	766.2	668.0	662.7	648.1	664.9	748.2	885.2
52.5°	1133.6	1127.1	1108.7	993.7	870.6	752.5	744.1	723.0	762.5	855.4	1023.2
55°	1200.1	1193.9	1188.9	1091.6	950.8	834.3	829.3	806.0	880.0	963.6	1165.6
57.5°	1272.5	1265.1	1279.4	1225.3	1076.7	919.7	913.2	898.9	1000.6	1087.0	1310.4
60°	1321.3	1321.6	1360.8	1321.6	1181.8	1005.2	999.0	1009.6	1110.9	1200.1	1466.8
62.5°	1321.3	1331.6	1417.7	1427.0	1294.3	1116.8	1105.9	1111.8	1230.9	1318.8	1595.2
65°	1196.1	1208.8	1409.6	1457.5	1407.1	1237.4	1232.1	1228.4	1344.3	1412.7	1695.9
67.5°	1068.3	1084.2	1287.1	1459.0	1499.4	1383.8	1364.5	1333.1	1442.2	1482.6	1750.0
70°	979.7	992.8	1154.1	1409.0	1559.1	1537.3	1524.6	1441.9	1507.8	1527.1	1689.0
72.5°	835.8	837.1	980.7	1303.3	1599.2	1722.9	1693.1	1562.5	1544.8	1498.2	1432.3
75°	520.9	539.9	651.8	967.3	1488.5	1832.3	1826.7	1663.9	1492.0	1323.8	993.1
77.5°	194.0	205.1	272.6	496.7	1065.2	1671.3	1676.3	1553.8	1262.0	959.2	533.4
80°	63.1	67.8	90.1	160.1	473.1	1189.5	1228.4	1102.2	774.0	487.4	224.7
82.5°	35.1	33.9	52.2	83.0	202.0	616.4	641.9	530.0	364.9	203.9	83.9
85°	16.2	16.8	24.9	45.1	107.9	171.9	185.6	181.2	138.3	83.9	30.8
87.5°	3.4	4.0	5.6	10.6	16.8	14.6	10.6	18.6	27.0	19.9	5.3
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3	0.6	0.6	0.6
5°	1.2	1.2	0.9	0.9	0.9	0.9	1.2	2.2	2.5	2.8	2.5
7.5°	1.2	1.2	1.2	1.2	1.6	3.1	14.6	44.8	47.6	48.5	49.7
10°	2.8	2.5	2.5	2.8	9.6	46.9	56.6	59.7	61.2	62.2	61.9
12.5°	43.2	42.9	15.9	9.6	45.1	59.4	60.9	62.8	65.9	69.0	67.8
15°	91.4	91.1	83.9	87.0	87.7	64.7	65.9	107.9	115.0	119.7	121.2
17.5°	99.5	100.4	97.6	120.3	123.1	97.9	109.7	120.3	122.8	124.3	124.6
20°	184.6	166.0	142.0	134.6	131.2	161.6	122.5	123.7	159.8	171.3	172.5
22.5°	203.0	201.4	188.4	194.0	163.8	168.5	158.5	167.2	183.4	186.8	186.8
25°	262.0	259.2	215.1	202.0	207.9	173.1	200.2	182.1	188.1	194.3	194.9
27.5°	322.0	318.6	287.2	227.2	206.1	218.5	203.3	219.8	237.8	246.5	246.8
30°	350.0	345.3	299.6	256.1	214.5	213.8	213.5	243.1	241.5	247.1	248.7
32.5°	465.0	457.5	382.9	251.8	222.6	203.3	226.6	236.5	272.0	289.4	291.2
35°	493.0	483.6	384.8	278.5	210.1	209.5	210.1	242.8	262.0	274.5	277.3
37.5°	525.0	512.2	380.5	261.1	215.1	195.2	199.9	219.1	261.1	289.1	291.2
40°	564.8	545.2	379.2	243.7	200.5	184.6	183.7	209.5	228.1	245.2	246.8
42.5°	619.8	588.4	377.3	225.7	183.4	171.9	173.4	184.6	199.6	198.0	200.5
45°	692.8	642.2	374.2	209.8	166.0	156.0	155.1	163.2	170.0	160.1	157.3
47.5°	784.2	708.7	379.2	194.6	149.8	140.5	140.8	144.2	145.5	134.6	132.1
50°	888.0	783.9	384.5	177.8	136.8	129.6	128.1	129.3	127.4	116.9	115.9
52.5°	1011.7	872.2	387.3	161.9	126.2	120.6	118.7	117.8	115.0	107.9	106.9
55°	1155.0	978.2	393.2	149.2	117.5	112.2	111.3	110.0	109.1	105.1	104.4
57.5°	1301.7	1095.0	389.8	136.1	109.1	104.4	106.3	108.5	111.0	109.4	109.1
60°	1436.3	1188.3	347.5	124.6	101.0	99.8	107.9	118.1	120.0	121.5	121.2
62.5°	1537.0	1235.2	275.7	114.7	95.4	100.1	119.7	134.0	132.1	128.1	127.1
65°	1572.5	1222.2	212.3	107.2	92.6	108.5	132.1	139.6	129.0	121.5	120.0
67.5°	1548.8	1157.8	164.4	101.0	91.1	115.6	136.5	134.3	122.2	116.6	114.4
70°	1427.9	1023.9	130.5	95.7	89.5	111.3	134.3	128.1	116.6	111.6	108.2
72.5°	1168.4	809.7	111.9	89.8	83.0	102.3	127.4	119.7	111.6	105.1	102.0
75°	755.6	497.9	97.3	83.0	74.3	92.6	118.7	111.6	104.7	98.2	95.1
77.5°	363.7	226.3	85.2	74.6	66.2	85.5	111.6	103.2	96.4	89.8	86.1
80°	153.2	106.9	72.7	66.2	60.3	80.2	103.8	94.2	86.4	81.7	77.7
82.5°	74.6	59.1	55.3	53.8	52.5	73.0	95.4	83.6	75.5	71.2	62.2
85°	25.2	25.5	34.2	33.3	37.0	58.4	78.0	63.4	56.6	49.1	46.0
87.5°	2.5	3.4	4.7	5.9	12.1	16.2	26.7	21.8	17.1	6.5	4.4
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)