

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: P415018

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T4W**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415018  
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-PA1-40-727-U-T4W  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4222 lumens  
Efficiency: N/A  
Efficacy: 105.5 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 - G2

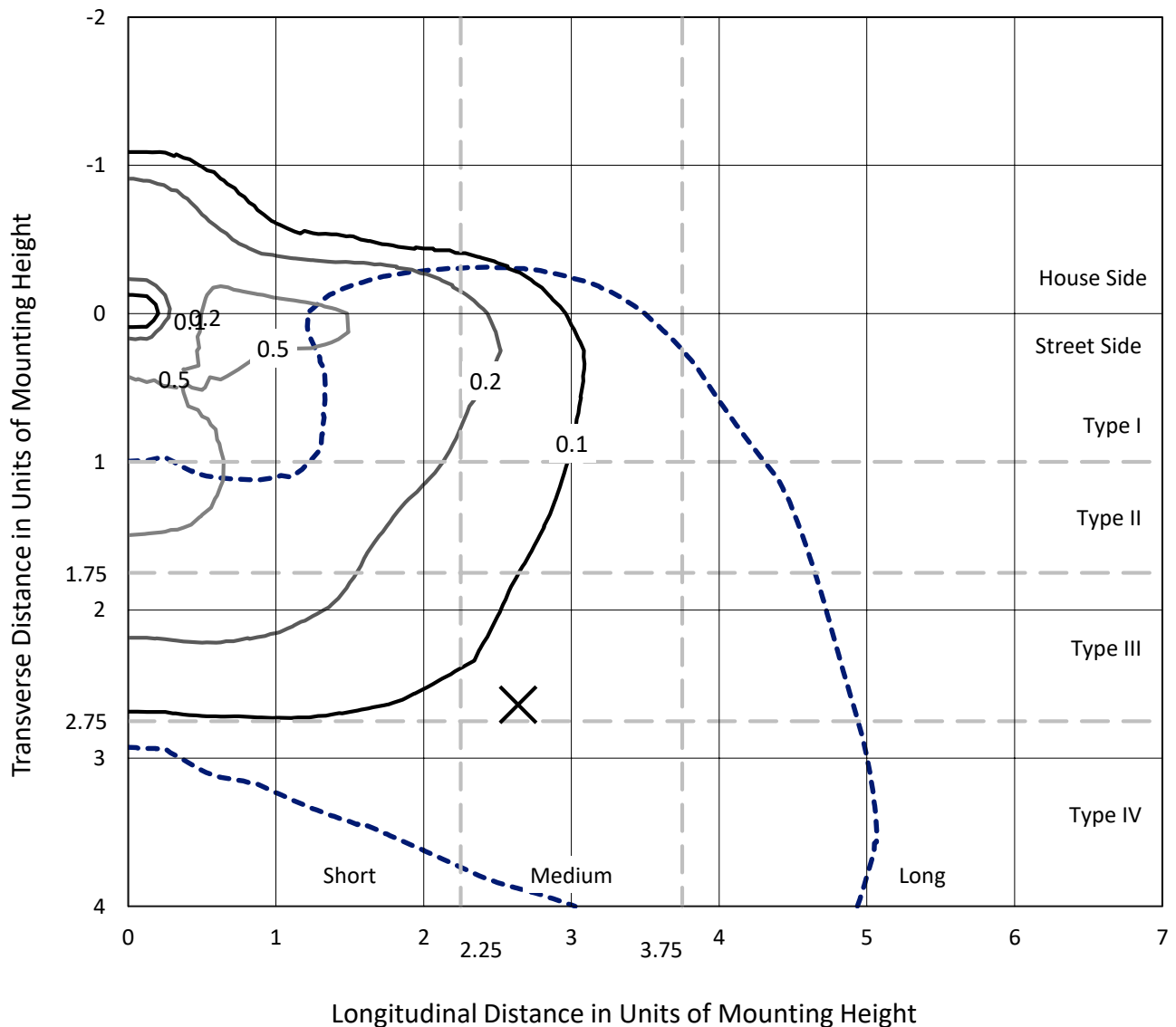
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

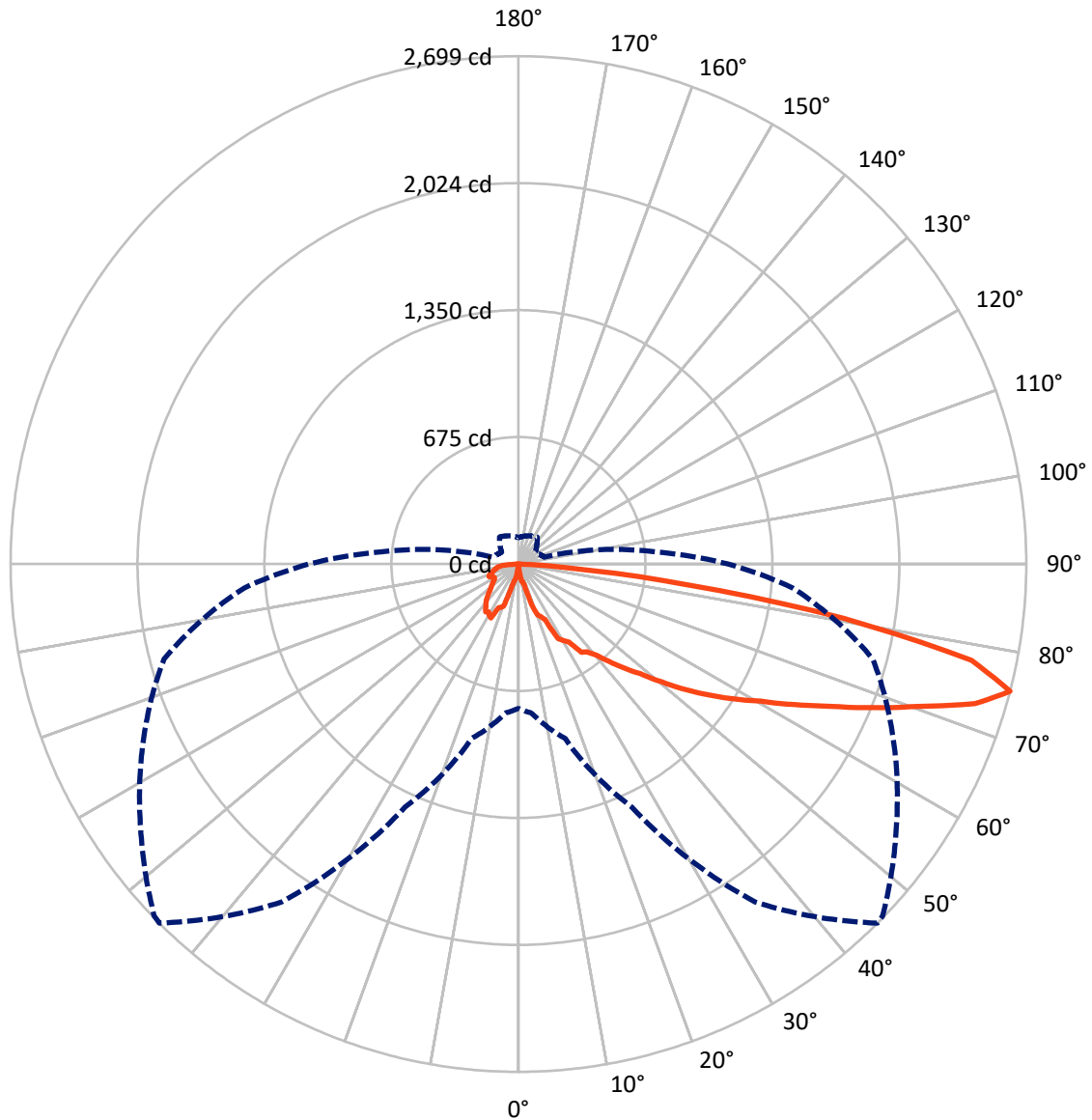


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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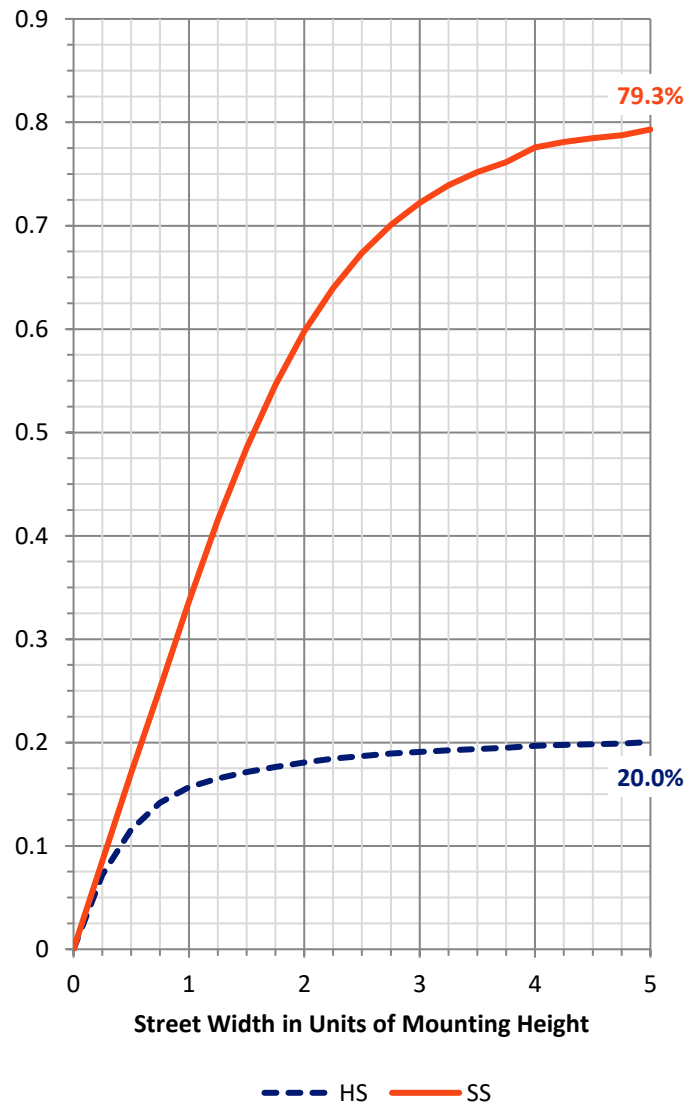
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	865.9	0.0	865.9
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	3356.1	0.0	3356.1
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	4222.0	0.0	4222.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	43.6	1.0
20°-30°	162.2	3.8
30°-40°	334.2	7.9
40°-50°	530.0	12.6
50°-60°	837.8	19.8
60°-70°	1177.0	27.9
70°-80°	979.9	23.2
80°-90°	154.5	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°	4222.0	100.0
0°-180°	4222.0	100.0



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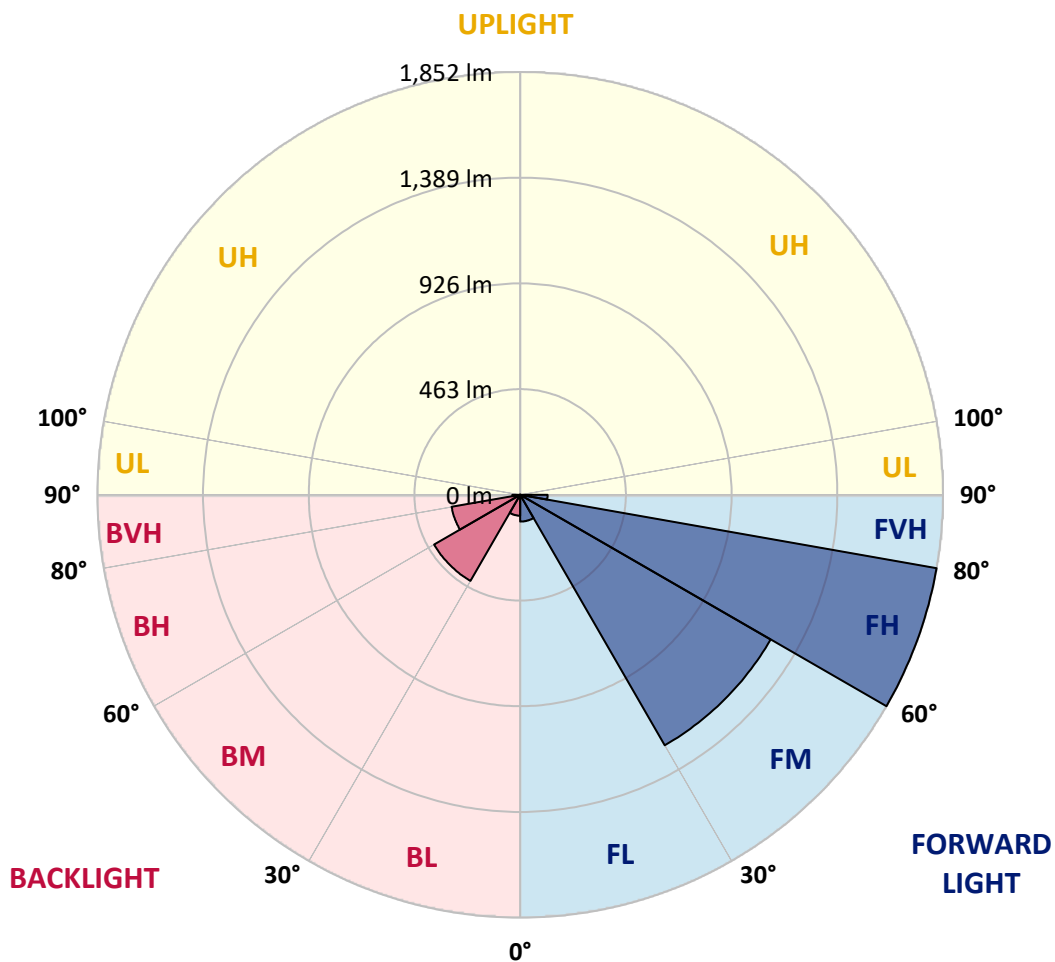
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.2	2.8			
FM	(30°-60°)	1266.8	30.0			
FH	(60°-80°)	1852.1	43.9			G2/5000
FVH	(80°-90°)	120.0	2.8			G2/225
BL	(0°-30°)	91.4	2.2	B0/110		
BM	(30°-60°)	435.2	10.3	B1/1000		
BH	(60°-80°)	304.8	7.2	B1/500		G1/500
BVH	(80°-90°)	34.5	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-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.3	2.3	2.3	2.3	2.3	1.8	1.8	1.4	1.8	1.8	1.8
5°	32.5	30.7	24.3	21.5	17.9	7.3	6.0	2.7	2.3	2.3	1.8
7.5°	96.6	95.7	94.3	91.1	87.0	54.5	47.2	16.9	3.2	2.3	1.8
10°	106.7	104.9	102.6	99.4	95.7	91.1	90.7	83.3	15.1	5.0	4.1
12.5°	209.7	206.1	172.2	124.5	103.0	97.5	97.5	94.3	68.2	23.8	55.9
15°	225.3	223.4	217.0	208.8	196.4	113.1	110.8	147.4	181.8	127.3	135.1
17.5°	253.2	249.1	229.4	219.3	210.2	228.0	226.7	211.1	199.2	141.0	151.6
20°	353.0	350.7	342.5	245.4	226.2	288.5	289.4	239.5	216.6	249.5	247.7
22.5°	361.3	360.8	354.9	340.2	358.5	302.7	303.1	318.2	316.4	331.1	300.4
25°	472.5	471.2	382.3	350.7	391.5	326.0	340.7	394.7	352.6	359.0	375.0
27.5°	484.9	484.0	479.0	457.0	405.2	449.2	449.2	408.0	449.2	470.3	473.0
30°	551.3	533.9	498.6	488.1	472.1	471.6	473.0	472.5	519.7	492.2	519.7
32.5°	648.4	644.7	631.9	529.3	524.7	494.5	510.1	545.8	542.6	625.9	661.6
35°	788.5	738.6	693.2	610.8	544.9	576.0	578.3	566.0	631.9	658.4	708.8
37.5°	984.0	970.3	906.2	687.7	607.2	592.1	593.4	633.7	671.7	701.0	757.3
40°	1126.4	1119.1	1074.7	842.1	665.8	635.6	638.8	664.9	700.1	752.3	810.9
42.5°	1262.9	1262.9	1236.8	973.9	791.7	709.7	707.4	712.9	738.1	793.1	890.1
45°	1351.7	1346.7	1368.6	1098.0	885.6	789.4	780.7	779.3	788.5	853.5	996.4
47.5°	1441.0	1427.2	1448.3	1223.5	1008.3	871.8	872.7	855.8	868.2	968.0	1141.5
50°	1535.3	1538.0	1535.3	1329.3	1128.7	984.0	976.2	954.7	979.4	1102.1	1304.1
52.5°	1669.9	1660.3	1633.3	1463.9	1282.5	1108.5	1096.2	1065.1	1123.2	1260.1	1507.4
55°	1767.9	1758.8	1751.4	1608.1	1400.7	1229.0	1221.6	1187.3	1296.3	1419.5	1717.1
57.5°	1874.6	1863.6	1884.7	1805.0	1586.1	1354.9	1345.3	1324.2	1473.9	1601.2	1930.5
60°	1946.5	1946.9	2004.6	1946.9	1740.9	1480.8	1471.7	1487.2	1636.5	1767.9	2160.8
62.5°	1946.5	1961.6	2088.4	2102.2	1906.7	1645.2	1629.2	1637.9	1813.2	1942.8	2349.9
65°	1762.0	1780.7	2076.5	2147.0	2072.9	1822.9	1815.1	1809.6	1980.4	2081.1	2498.2
67.5°	1573.8	1597.1	1896.1	2149.3	2208.9	2038.5	2010.1	1963.9	2124.6	2184.1	2577.9
70°	1443.3	1462.5	1700.1	2075.6	2296.8	2264.7	2245.9	2124.1	2221.2	2249.6	2488.2
72.5°	1231.3	1233.1	1444.6	1919.9	2355.8	2538.1	2494.1	2301.8	2275.7	2207.0	2110.0
75°	767.4	795.4	960.2	1425.0	2192.8	2699.3	2691.0	2451.1	2197.9	1950.1	1463.0
77.5°	285.7	302.2	401.6	731.7	1569.2	2462.1	2469.4	2289.0	1859.0	1413.0	785.7
80°	93.0	99.8	132.8	235.8	696.9	1752.3	1809.6	1623.7	1140.1	718.0	331.1
82.5°	51.7	49.9	76.9	122.3	297.6	908.0	945.5	780.7	537.6	300.4	123.6
85°	23.8	24.7	36.6	66.4	158.9	253.2	273.4	266.9	203.8	123.6	45.3
87.5°	5.0	6.0	8.2	15.6	24.7	21.5	15.6	27.5	39.8	29.3	7.8
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.8	1.8	1.4	1.4	0.9	0.9	0.5	0.5	0.9	0.9	0.9
5°	1.8	1.8	1.4	1.4	1.4	1.4	1.8	3.2	3.7	4.1	3.7
7.5°	1.8	1.8	1.8	1.8	2.3	4.6	21.5	65.9	70.1	71.4	73.3
10°	4.1	3.7	3.7	4.1	14.2	69.1	83.3	87.9	90.2	91.6	91.1
12.5°	63.6	63.2	23.4	14.2	66.4	87.5	89.7	92.5	97.1	101.7	99.8
15°	134.6	134.2	123.6	128.2	129.1	95.2	97.1	158.9	169.4	176.3	178.6
17.5°	146.5	147.9	143.8	177.2	181.3	144.2	161.6	177.2	180.9	183.2	183.6
20°	272.0	244.5	209.3	198.3	193.2	238.1	180.4	182.2	235.4	252.3	254.1
22.5°	299.0	296.7	277.5	285.7	241.3	248.2	233.5	246.3	270.2	275.2	275.2
25°	386.0	381.9	316.9	297.6	306.3	255.0	294.9	268.3	277.0	286.2	287.1
27.5°	474.4	469.3	423.1	334.7	303.6	321.9	299.5	323.7	350.3	363.1	363.6
30°	515.6	508.7	441.4	377.3	315.9	315.0	314.6	358.1	355.8	364.0	366.3
32.5°	685.0	674.0	564.1	370.9	327.8	299.5	333.8	348.5	400.7	426.3	429.0
35°	726.2	712.5	566.9	410.3	309.5	308.6	309.5	357.6	386.0	404.3	408.4
37.5°	773.4	754.6	560.5	384.6	316.9	287.6	294.4	322.8	384.6	425.8	429.0
40°	832.0	803.1	558.6	359.0	295.3	272.0	270.6	308.6	336.1	361.3	363.6
42.5°	913.0	866.8	555.9	332.4	270.2	253.2	255.5	272.0	294.0	291.7	295.3
45°	1020.6	946.0	551.3	309.1	244.5	229.9	228.5	240.4	250.5	235.8	231.7
47.5°	1155.3	1044.0	558.6	286.6	220.7	207.0	207.4	212.5	214.3	198.3	194.6
50°	1308.2	1154.8	566.4	261.9	201.5	190.9	188.7	190.5	187.7	172.2	170.8
52.5°	1490.4	1284.8	570.5	238.6	185.9	177.7	174.9	173.5	169.4	158.9	157.5
55°	1701.5	1441.0	579.2	219.8	173.1	165.3	163.9	162.1	160.7	154.8	153.9
57.5°	1917.6	1613.1	574.2	200.6	160.7	153.9	156.6	159.8	163.5	161.2	160.7
60°	2115.9	1750.5	511.9	183.6	148.8	147.0	158.9	174.0	176.7	179.0	178.6
62.5°	2264.3	1819.7	406.1	169.0	140.6	147.4	176.3	197.4	194.6	188.7	187.3
65°	2316.5	1800.4	312.7	158.0	136.5	159.8	194.6	205.6	190.0	179.0	176.7
67.5°	2281.7	1705.6	242.2	148.8	134.2	170.3	201.0	197.8	180.0	171.7	168.5
70°	2103.5	1508.3	192.3	141.0	131.9	163.9	197.8	188.7	171.7	164.4	159.3
72.5°	1721.2	1192.8	164.8	132.3	122.3	150.6	187.7	176.3	164.4	154.8	150.2
75°	1113.1	733.5	143.3	122.3	109.4	136.5	174.9	164.4	154.3	144.7	140.1
77.5°	535.7	333.3	125.5	109.9	97.5	125.9	164.4	152.0	141.9	132.3	126.8
80°	225.7	157.5	107.1	97.5	88.8	118.1	152.9	138.7	127.3	120.4	114.5
82.5°	109.9	87.0	81.5	79.2	77.4	107.6	140.6	123.2	111.3	104.9	91.6
85°	37.1	37.5	50.4	49.0	54.5	86.1	114.9	93.4	83.3	72.3	67.8
87.5°	3.7	5.0	6.9	8.7	17.9	23.8	39.4	32.1	25.2	9.6	6.4
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)