

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: P415330

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415330
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-PA1-40-830-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 4012 lumens
Efficiency: N/A
Efficacy: 100.3 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

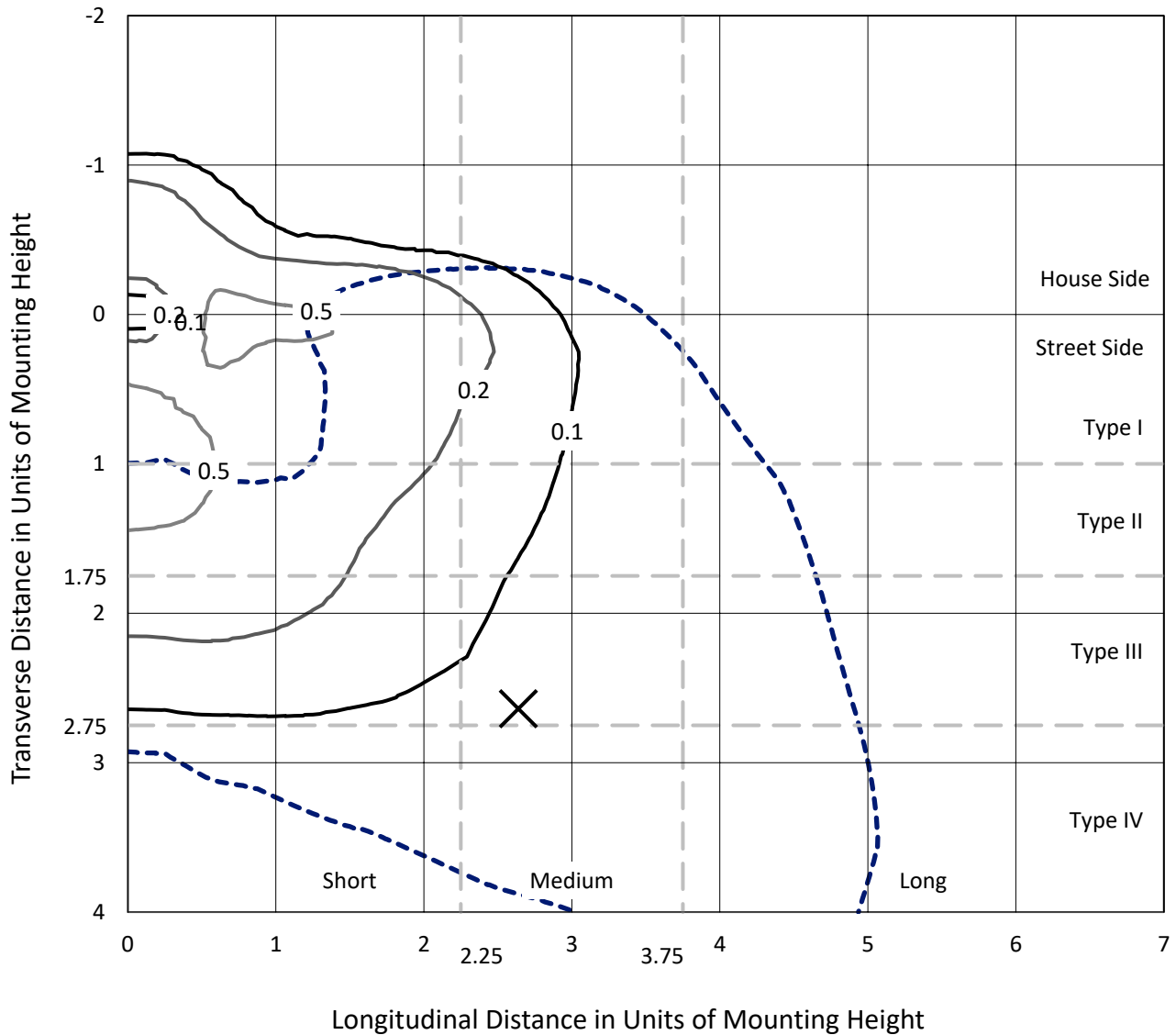
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415330
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

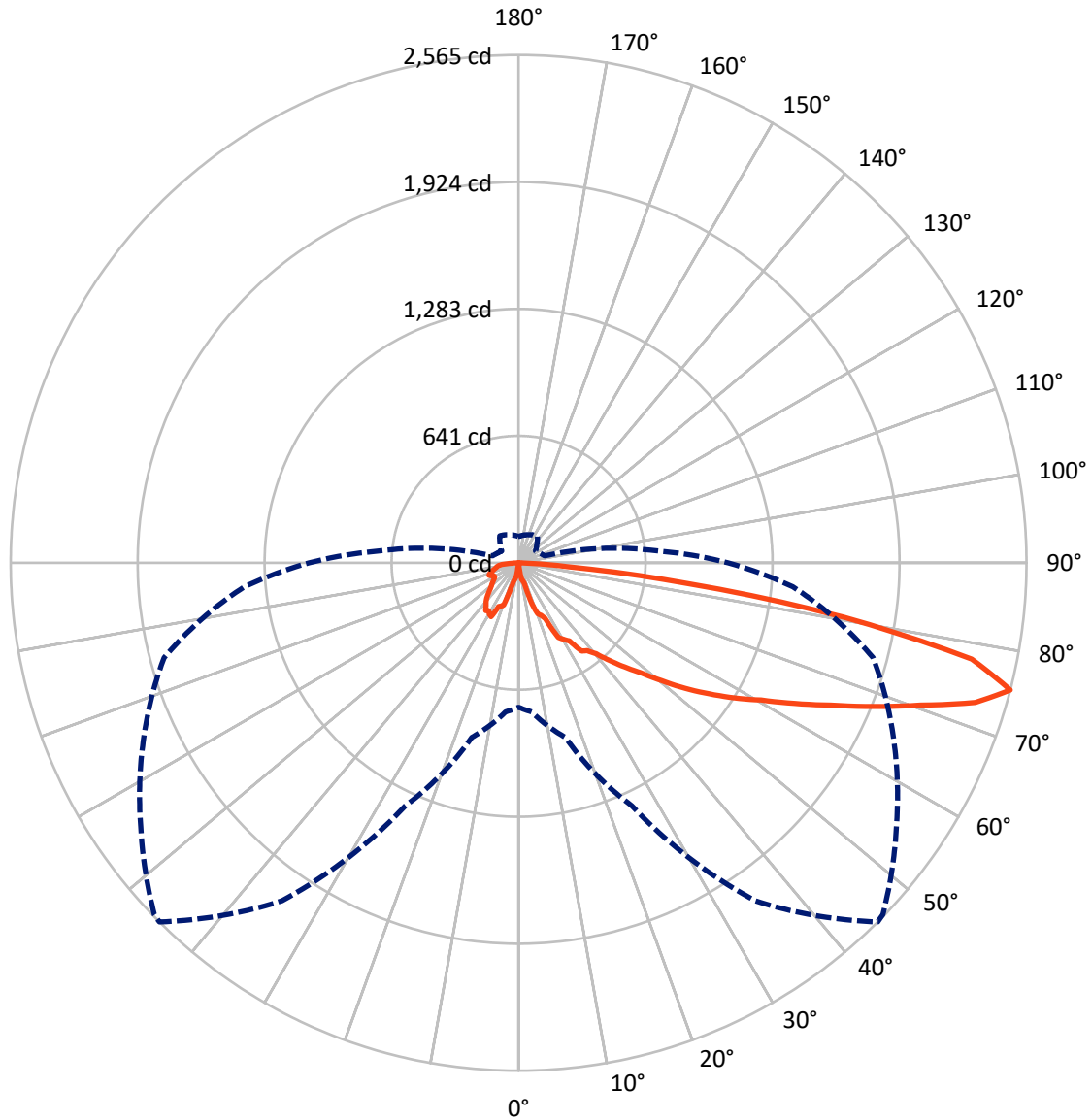
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415330
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415330

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W

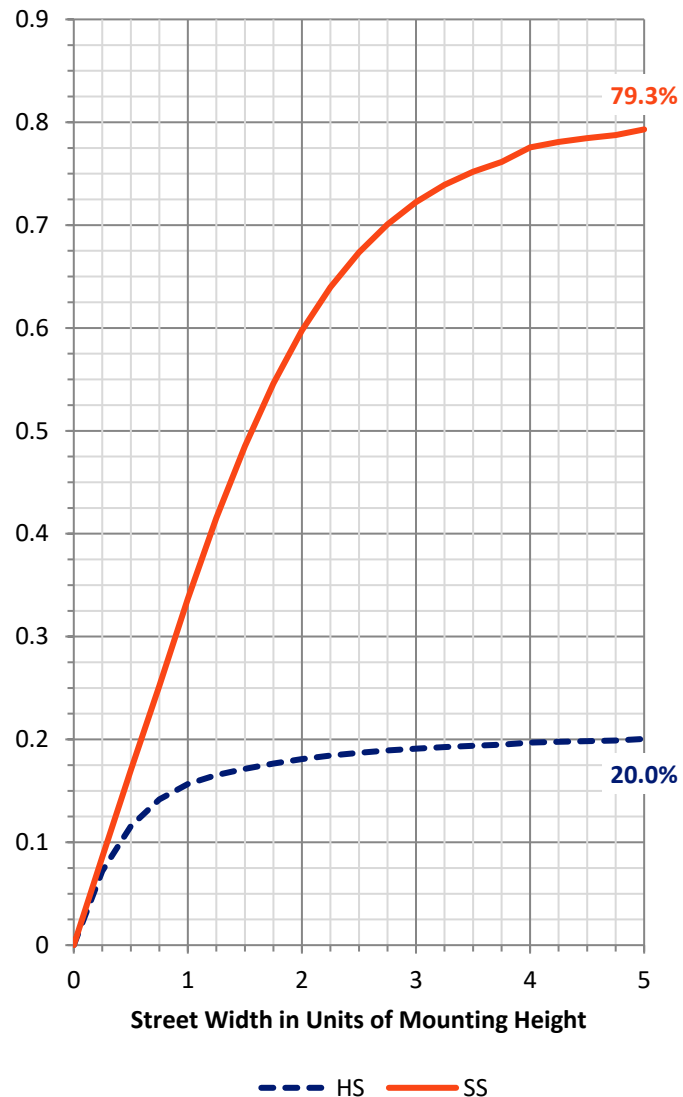
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	822.9	0.0	822.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3189.1	0.0	3189.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	4012.0	0.0	4012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	41.4	1.0
20°-30°	154.2	3.8
30°-40°	317.6	7.9
40°-50°	503.6	12.6
50°-60°	796.1	19.8
60°-70°	1118.5	27.9
70°-80°	931.1	23.2
80°-90°	146.8	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°	4012.0	100.0
0°-180°	4012.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415330

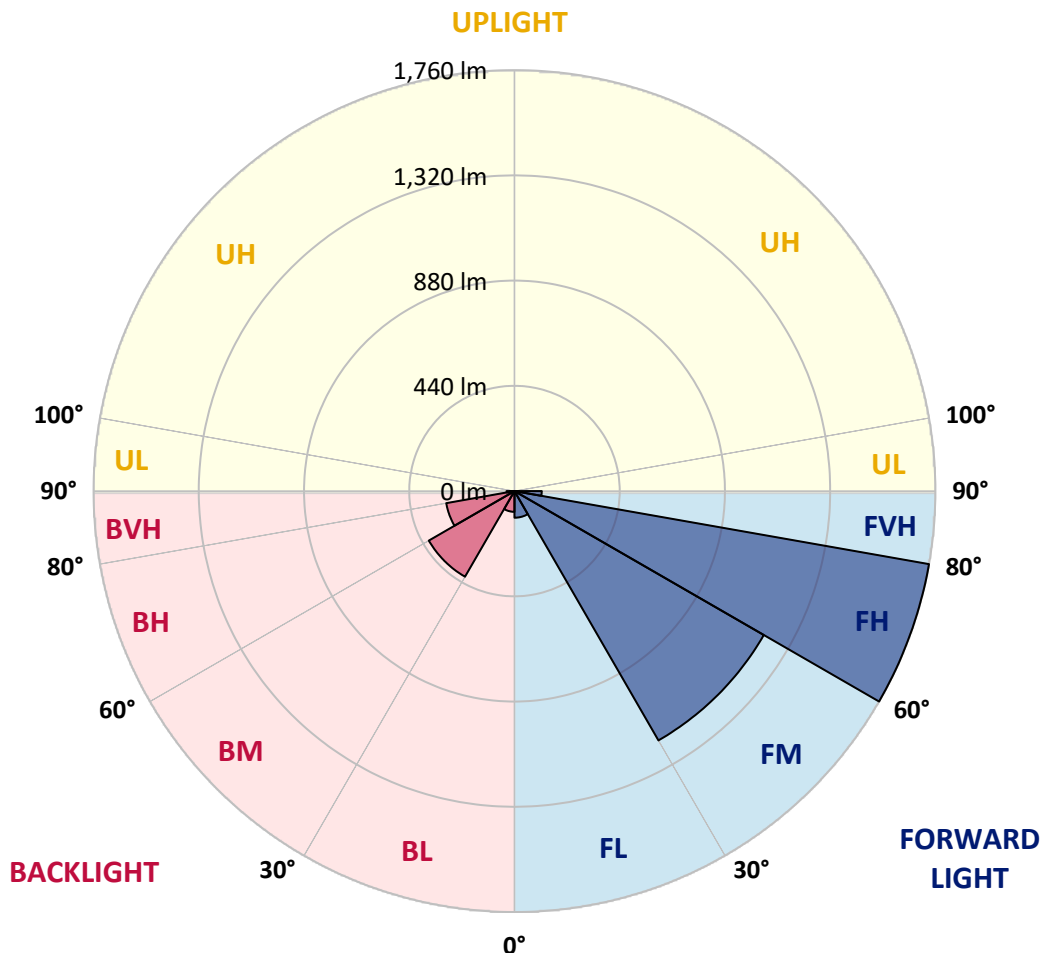
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.4	2.8			
FM (30°-60°)	1203.8	30.0			
FH (60°-80°)	1759.9	43.9			G1/1800
FVH (80°-90°)	114.0	2.8			G2/225
BL (0°-30°)	86.8	2.2	B0/110		
BM (30°-60°)	413.6	10.3	B1/1000		
BH (60°-80°)	289.7	7.2	B1/500		G1/500
BVH (80°-90°)	32.8	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





REPORT NUMBER: P415330

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W

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°	2.2	2.2	2.2	2.2	2.2	1.7	1.7	1.3	1.7	1.7	1.7
5°	30.9	29.2	23.1	20.5	17.0	7.0	5.7	2.6	2.2	2.2	1.7
7.5°	91.8	90.9	89.6	86.6	82.7	51.8	44.8	16.1	3.0	2.2	1.7
10°	101.4	99.6	97.5	94.4	90.9	86.6	86.2	79.2	14.4	4.8	3.9
12.5°	199.3	195.8	163.6	118.4	97.9	92.7	92.7	89.6	64.8	22.6	53.1
15°	214.1	212.3	206.2	198.4	186.7	107.5	105.3	140.1	172.7	121.0	128.4
17.5°	240.6	236.7	218.0	208.4	199.7	216.7	215.4	200.6	189.3	134.0	144.0
20°	335.5	333.3	325.5	233.2	214.9	274.1	275.0	227.6	205.8	237.1	235.4
22.5°	343.3	342.9	337.2	323.3	340.7	287.6	288.0	302.4	300.7	314.6	285.4
25°	449.0	447.7	363.3	333.3	372.0	309.8	323.7	375.1	335.0	341.1	356.4
27.5°	460.8	459.9	455.1	434.2	385.1	426.8	426.8	387.7	426.8	446.9	449.5
30°	523.9	507.3	473.8	463.8	448.6	448.2	449.5	449.0	493.9	467.7	493.9
32.5°	616.1	612.6	600.5	503.0	498.6	469.9	484.7	518.7	515.6	594.8	628.7
35°	749.3	701.8	658.8	580.4	517.8	547.4	549.5	537.8	600.5	625.7	673.6
37.5°	935.1	922.0	861.1	653.5	577.0	562.6	563.9	602.2	638.3	666.2	719.7
40°	1070.4	1063.4	1021.2	800.2	632.7	603.9	607.0	631.8	665.3	714.9	770.6
42.5°	1200.0	1200.0	1175.2	925.5	752.3	674.4	672.3	677.5	701.4	753.6	845.9
45°	1284.5	1279.7	1300.6	1043.4	841.5	750.1	741.9	740.6	749.3	811.1	946.8
47.5°	1369.3	1356.3	1376.3	1162.6	958.1	828.5	829.3	813.2	825.0	919.8	1084.7
50°	1458.9	1461.5	1458.9	1263.1	1072.6	935.1	927.7	907.2	930.7	1047.3	1239.2
52.5°	1586.9	1577.7	1552.1	1391.1	1218.8	1053.4	1041.7	1012.1	1067.3	1197.4	1432.4
55°	1680.0	1671.3	1664.3	1528.1	1331.0	1167.8	1160.9	1128.3	1231.8	1348.9	1631.7
57.5°	1781.4	1770.9	1790.9	1715.2	1507.2	1287.5	1278.4	1258.3	1400.6	1521.6	1834.4
60°	1849.7	1850.1	1904.9	1850.1	1654.3	1407.2	1398.5	1413.3	1555.1	1680.0	2053.3
62.5°	1849.7	1864.0	1984.6	1997.6	1811.8	1563.4	1548.1	1556.4	1723.1	1846.2	2233.0
65°	1674.3	1692.2	1973.2	2040.2	1969.8	1732.2	1724.8	1719.6	1881.9	1977.6	2374.0
67.5°	1495.5	1517.7	1801.8	2042.4	2099.0	1937.1	1910.2	1866.2	2018.9	2075.5	2449.7
70°	1371.5	1389.8	1615.6	1972.4	2182.5	2152.1	2134.2	2018.5	2110.7	2137.7	2364.4
72.5°	1170.0	1171.8	1372.8	1824.4	2238.7	2411.8	2370.1	2187.3	2162.5	2097.2	2005.0
75°	729.3	755.8	912.4	1354.1	2083.8	2565.0	2557.2	2329.2	2088.5	1853.2	1390.2
77.5°	271.5	287.2	381.6	695.3	1491.1	2339.6	2346.6	2175.1	1766.6	1342.8	746.7
80°	88.3	94.9	126.2	224.1	662.2	1665.2	1719.6	1542.9	1083.4	682.3	314.6
82.5°	49.2	47.4	73.1	116.2	282.8	862.8	898.5	741.9	510.8	285.4	117.5
85°	22.6	23.5	34.8	63.1	151.0	240.6	259.8	253.7	193.6	117.5	43.1
87.5°	4.8	5.7	7.8	14.8	23.5	20.5	14.8	26.1	37.9	27.8	7.4
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: P415330

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T4W

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°	1.7	1.7	1.3	1.3	0.9	0.9	0.4	0.4	0.9	0.9	0.9
5°	1.7	1.7	1.3	1.3	1.3	1.3	1.7	3.0	3.5	3.9	3.5
7.5°	1.7	1.7	1.7	1.7	2.2	4.4	20.5	62.7	66.6	67.9	69.6
10°	3.9	3.5	3.5	3.9	13.5	65.7	79.2	83.5	85.7	87.0	86.6
12.5°	60.5	60.0	22.2	13.5	63.1	83.1	85.3	87.9	92.2	96.6	94.9
15°	127.9	127.5	117.5	121.8	122.7	90.5	92.2	151.0	161.0	167.5	169.7
17.5°	139.2	140.5	136.6	168.4	172.3	137.1	153.6	168.4	171.9	174.0	174.5
20°	258.5	232.4	198.8	188.4	183.6	226.3	171.4	173.2	223.6	239.7	241.5
22.5°	284.1	282.0	263.7	271.5	229.3	235.8	221.9	234.1	256.7	261.5	261.5
25°	366.8	362.9	301.1	282.8	291.1	242.4	280.2	255.0	263.2	271.9	272.8
27.5°	450.8	446.0	402.0	318.1	288.5	305.9	284.6	307.6	332.9	345.0	345.5
30°	489.9	483.4	419.4	358.5	300.2	299.4	298.9	340.3	338.1	345.9	348.1
32.5°	650.9	640.5	536.1	352.4	311.5	284.6	317.2	331.1	380.7	405.1	407.7
35°	690.1	677.0	538.7	389.9	294.1	293.3	294.1	339.8	366.8	384.2	388.1
37.5°	734.9	717.1	532.6	365.5	301.1	273.3	279.8	306.8	365.5	404.7	407.7
40°	790.6	763.2	530.8	341.1	280.6	258.5	257.2	293.3	319.4	343.3	345.5
42.5°	867.6	823.7	528.2	315.9	256.7	240.6	242.8	258.5	279.3	277.2	280.6
45°	969.9	898.9	523.9	293.7	232.4	218.4	217.1	228.4	238.0	224.1	220.2
47.5°	1097.8	992.1	530.8	272.4	209.7	196.7	197.1	201.9	203.6	188.4	184.9
50°	1243.1	1097.4	538.2	248.9	191.5	181.4	179.3	181.0	178.4	163.6	162.3
52.5°	1416.3	1220.9	542.2	226.7	176.7	168.8	166.2	164.9	161.0	151.0	149.7
55°	1616.9	1369.3	550.4	208.9	164.5	157.1	155.8	154.0	152.7	147.1	146.2
57.5°	1822.3	1532.9	545.6	190.6	152.7	146.2	148.8	151.9	155.3	153.2	152.7
60°	2010.7	1663.4	486.5	174.5	141.4	139.7	151.0	165.3	168.0	170.1	169.7
62.5°	2151.6	1729.1	385.9	160.6	133.6	140.1	167.5	187.5	184.9	179.3	178.0
65°	2201.2	1710.9	297.2	150.1	129.7	151.9	184.9	195.4	180.6	170.1	168.0
67.5°	2168.2	1620.8	230.2	141.4	127.5	161.9	191.0	188.0	171.0	163.2	160.1
70°	1998.9	1433.3	182.7	134.0	125.3	155.8	188.0	179.3	163.2	156.2	151.4
72.5°	1635.6	1133.5	156.6	125.7	116.2	143.2	178.4	167.5	156.2	147.1	142.7
75°	1057.8	697.1	136.2	116.2	104.0	129.7	166.2	156.2	146.6	137.5	133.1
77.5°	509.1	316.8	119.2	104.4	92.7	119.7	156.2	144.5	134.9	125.7	120.5
80°	214.5	149.7	101.8	92.7	84.4	112.3	145.3	131.8	121.0	114.4	108.8
82.5°	104.4	82.7	77.5	75.3	73.5	102.3	133.6	117.0	105.7	99.6	87.0
85°	35.2	35.7	47.9	46.6	51.8	81.8	109.2	88.8	79.2	68.7	64.4
87.5°	3.5	4.8	6.5	8.3	17.0	22.6	37.4	30.5	23.9	9.1	6.1
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)