

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: P414654

Luminaire Tested: **LXF.LXT-PA1-30-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414654
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-PA1-30-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 3550 lumens
Efficiency: N/A
Efficacy: 114.5 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): 31
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

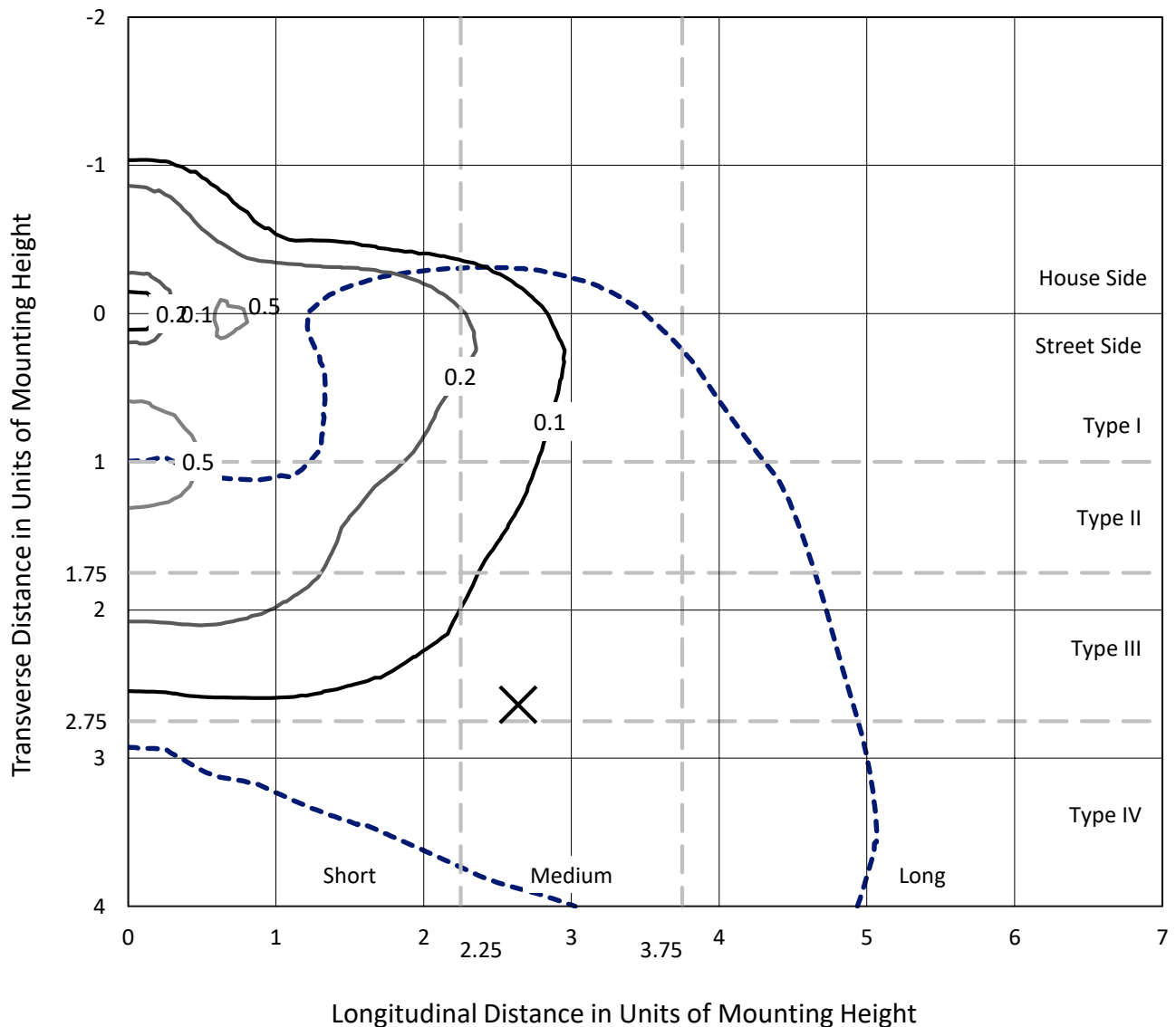


REPORT NUMBER: P414654

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

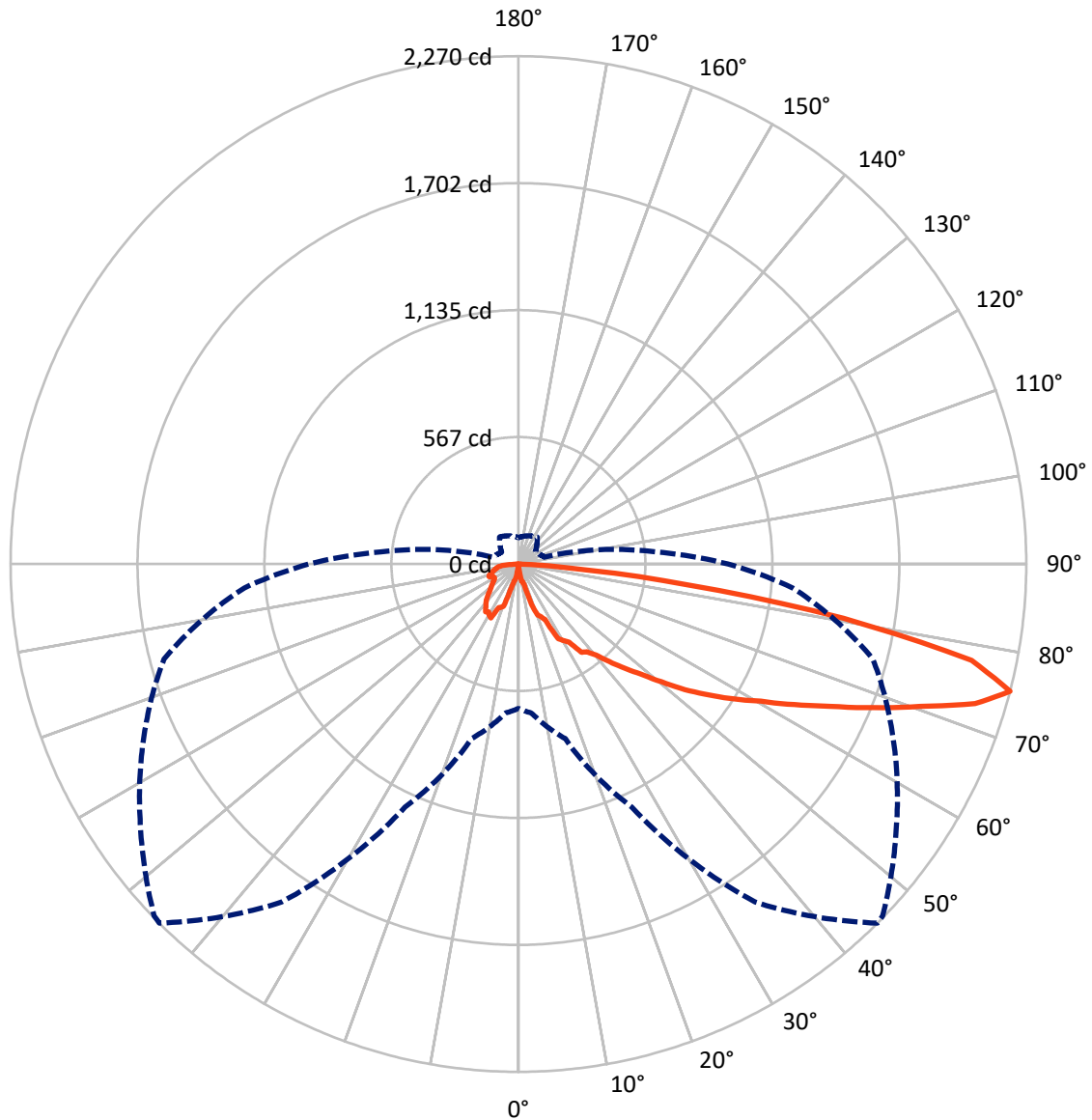


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414654

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W

Luminous Intensity Polar Plot



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



REPORT NUMBER: P414654

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W

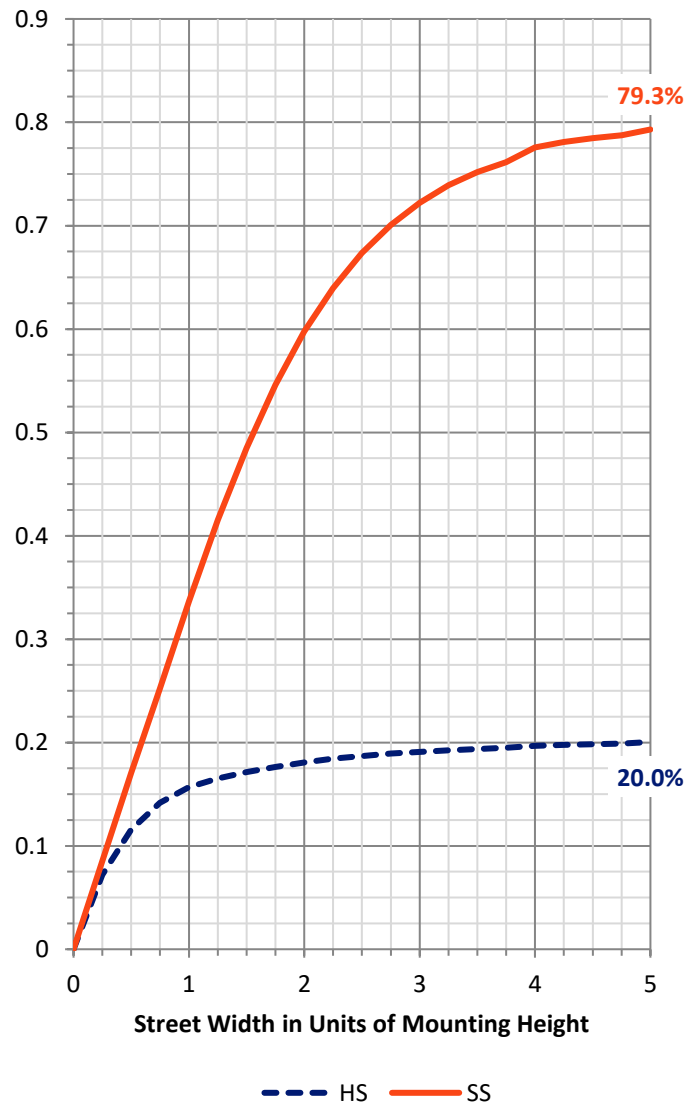
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	728.1	0.0	728.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2821.9	0.0	2821.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	3550.0	0.0	3550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	36.7	1.0
20°-30°	136.4	3.8
30°-40°	281.0	7.9
40°-50°	445.6	12.6
50°-60°	704.4	19.8
60°-70°	989.7	27.9
70°-80°	823.9	23.2
80°-90°	129.9	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°	3550.0	100.0
0°-180°	3550.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414654

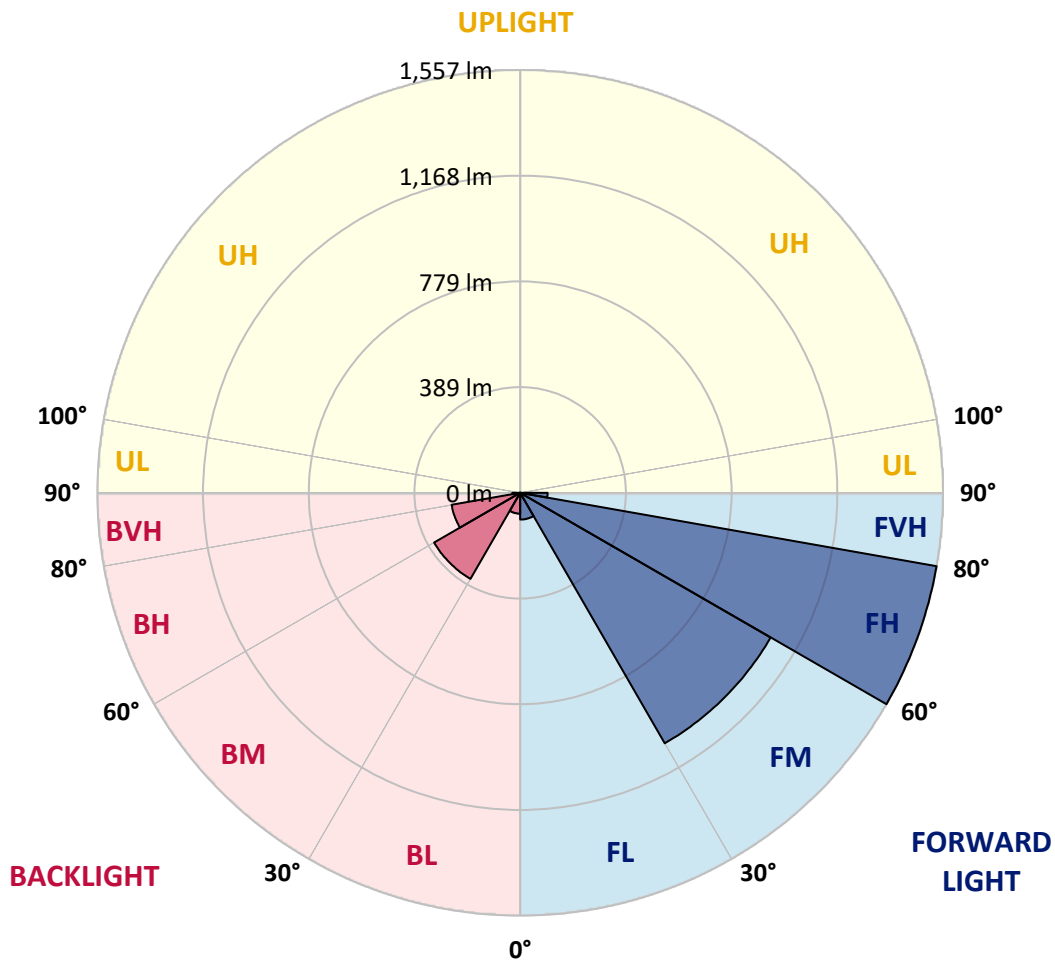
CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.6	2.8			
FM	(30°-60°)	1065.2	30.0			
FH	(60°-80°)	1557.3	43.9			G1/1800
FVH	(80°-90°)	100.9	2.8			G2/225
BL	(0°-30°)	76.8	2.2	B0/110		
BM	(30°-60°)	365.9	10.3	B1/1000		
BH	(60°-80°)	256.3	7.2	B1/500		G1/500
BVH	(80°-90°)	29.0	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: P414654

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.2	1.5	1.5	1.5
5°	27.3	25.8	20.4	18.1	15.0	6.2	5.0	2.3	1.9	1.9	1.5
7.5°	81.2	80.5	79.3	76.6	73.2	45.8	39.7	14.2	2.7	1.9	1.5
10°	89.7	88.2	86.2	83.5	80.5	76.6	76.2	70.1	12.7	4.2	3.5
12.5°	176.3	173.3	144.8	104.7	86.6	82.0	82.0	79.3	57.4	20.0	47.0
15°	189.4	187.9	182.5	175.6	165.2	95.1	93.2	124.0	152.8	107.0	113.6
17.5°	212.9	209.4	192.9	184.4	176.7	191.7	190.6	177.5	167.5	118.6	127.4
20°	296.8	294.9	288.0	206.4	190.2	242.6	243.3	201.4	182.1	209.8	208.3
22.5°	303.8	303.4	298.4	286.1	301.5	254.5	254.9	267.6	266.0	278.4	252.6
25°	397.3	396.2	321.5	294.9	329.2	274.1	286.4	331.9	296.5	301.8	315.3
27.5°	407.7	407.0	402.7	384.2	340.7	377.7	377.7	343.0	377.7	395.4	397.7
30°	463.6	448.9	419.3	410.4	396.9	396.6	397.7	397.3	437.0	413.9	437.0
32.5°	545.2	542.1	531.3	445.1	441.2	415.8	428.9	458.9	456.2	526.3	556.3
35°	663.0	621.0	582.9	513.6	458.2	484.3	486.3	475.9	531.3	553.6	596.0
37.5°	827.4	815.8	761.9	578.3	510.5	497.8	499.0	532.9	564.8	589.4	636.8
40°	947.1	941.0	903.6	708.0	559.8	534.4	537.1	559.0	588.7	632.6	681.9
42.5°	1061.9	1061.9	1039.9	818.9	665.7	596.8	594.8	599.5	620.6	666.8	748.5
45°	1136.5	1132.3	1150.8	923.3	744.6	663.8	656.4	655.3	663.0	717.7	837.8
47.5°	1211.6	1200.1	1217.8	1028.7	847.8	733.1	733.8	719.6	730.0	813.9	959.8
50°	1290.9	1293.2	1290.9	1117.7	949.0	827.4	820.8	802.7	823.5	926.7	1096.5
52.5°	1404.1	1396.0	1373.3	1230.9	1078.4	932.1	921.7	895.5	944.4	1059.5	1267.4
55°	1486.5	1478.8	1472.7	1352.2	1177.7	1033.4	1027.2	998.3	1090.0	1193.5	1443.8
57.5°	1576.2	1567.0	1584.7	1517.7	1333.7	1139.2	1131.2	1113.4	1239.3	1346.4	1623.2
60°	1636.7	1637.1	1685.6	1637.1	1463.8	1245.1	1237.4	1250.5	1376.0	1486.5	1816.9
62.5°	1636.7	1649.4	1756.0	1767.6	1603.2	1383.3	1369.9	1377.2	1524.6	1633.6	1975.9
65°	1481.5	1497.3	1746.0	1805.3	1742.9	1532.7	1526.2	1521.6	1665.2	1749.9	2100.6
67.5°	1323.3	1342.9	1594.3	1807.2	1857.3	1714.1	1690.2	1651.3	1786.4	1836.5	2167.6
70°	1213.5	1229.7	1429.5	1745.2	1931.2	1904.3	1888.5	1786.1	1867.7	1891.5	2092.1
72.5°	1035.3	1036.8	1214.7	1614.3	1980.9	2134.1	2097.1	1935.4	1913.5	1855.7	1774.1
75°	645.3	668.8	807.4	1198.1	1843.8	2269.6	2262.7	2061.0	1848.0	1639.8	1230.1
77.5°	240.2	254.1	337.7	615.2	1319.4	2070.2	2076.4	1924.7	1563.1	1188.1	660.7
80°	78.2	83.9	111.7	198.3	586.0	1473.4	1521.6	1365.2	958.7	603.7	278.4
82.5°	43.5	42.0	64.7	102.8	250.3	763.5	795.0	656.4	452.0	252.6	104.0
85°	20.0	20.8	30.8	55.8	133.6	212.9	229.9	224.5	171.3	104.0	38.1
87.5°	4.2	5.0	6.9	13.1	20.8	18.1	13.1	23.1	33.5	24.6	6.5
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: P414654

CATALOG NUMBER: LXF.LXT-PA1-30-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.5	1.5	1.2	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.8
5°	1.5	1.5	1.2	1.2	1.2	1.2	1.5	2.7	3.1	3.5	3.1
7.5°	1.5	1.5	1.5	1.5	1.9	3.9	18.1	55.4	58.9	60.1	61.6
10°	3.5	3.1	3.1	3.5	11.9	58.1	70.1	73.9	75.8	77.0	76.6
12.5°	53.5	53.1	19.6	11.9	55.8	73.5	75.5	77.8	81.6	85.5	83.9
15°	113.2	112.8	104.0	107.8	108.6	80.1	81.6	133.6	142.5	148.2	150.2
17.5°	123.2	124.4	120.9	149.0	152.5	121.3	135.9	149.0	152.1	154.0	154.4
20°	228.7	205.6	175.9	166.7	162.5	200.2	151.7	153.2	197.9	212.1	213.7
22.5°	251.4	249.5	233.3	240.2	202.9	208.7	196.4	207.1	227.2	231.4	231.4
25°	324.6	321.1	266.4	250.3	257.6	214.4	247.9	225.6	232.9	240.6	241.4
27.5°	398.9	394.6	355.7	281.4	255.3	270.7	251.8	272.2	294.5	305.3	305.7
30°	433.5	427.7	371.1	317.2	265.7	264.9	264.5	301.1	299.2	306.1	308.0
32.5°	576.0	566.7	474.3	311.9	275.7	251.8	280.7	293.0	336.9	358.4	360.8
35°	610.6	599.1	476.6	345.0	260.3	259.5	260.3	300.7	324.6	340.0	343.4
37.5°	650.3	634.5	471.3	323.4	266.4	241.8	247.6	271.4	323.4	358.1	360.8
40°	699.6	675.3	469.7	301.8	248.3	228.7	227.5	259.5	282.6	303.8	305.7
42.5°	767.7	728.8	467.4	279.5	227.2	212.9	214.8	228.7	247.2	245.3	248.3
45°	858.2	795.4	463.6	259.9	205.6	193.3	192.1	202.1	210.6	198.3	194.8
47.5°	971.4	877.8	469.7	241.0	185.6	174.0	174.4	178.6	180.2	166.7	163.6
50°	1100.0	971.0	476.3	220.2	169.4	160.5	158.6	160.2	157.9	144.8	143.6
52.5°	1253.2	1080.3	479.7	200.6	156.3	149.4	147.1	145.9	142.5	133.6	132.4
55°	1430.7	1211.6	487.0	184.8	145.5	139.0	137.8	136.3	135.1	130.1	129.4
57.5°	1612.4	1356.4	482.8	168.6	135.1	129.4	131.7	134.4	137.4	135.5	135.1
60°	1779.1	1471.9	430.4	154.4	125.1	123.6	133.6	146.3	148.6	150.5	150.2
62.5°	1903.9	1530.0	341.5	142.1	118.2	124.0	148.2	165.9	163.6	158.6	157.5
65°	1947.8	1513.9	263.0	132.8	114.7	134.4	163.6	172.9	159.8	150.5	148.6
67.5°	1918.5	1434.2	203.7	125.1	112.8	143.2	169.0	166.3	151.3	144.4	141.7
70°	1768.7	1268.2	161.7	118.6	110.9	137.8	166.3	158.6	144.4	138.2	134.0
72.5°	1447.2	1002.9	138.6	111.3	102.8	126.7	157.9	148.2	138.2	130.1	126.3
75°	936.0	616.8	120.5	102.8	92.0	114.7	147.1	138.2	129.7	121.7	117.8
77.5°	450.5	280.3	105.5	92.4	82.0	105.9	138.2	127.8	119.4	111.3	106.6
80°	189.8	132.4	90.1	82.0	74.7	99.3	128.6	116.7	107.0	101.3	96.3
82.5°	92.4	73.2	68.5	66.6	65.1	90.5	118.2	103.6	93.6	88.2	77.0
85°	31.2	31.6	42.4	41.2	45.8	72.4	96.6	78.5	70.1	60.8	57.0
87.5°	3.1	4.2	5.8	7.3	15.0	20.0	33.1	27.0	21.2	8.1	5.4
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)