

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: P414801

Luminaire Tested: **LXF.LXT-PA1-30-760-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-760-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3927 lumens
Efficiency: N/A
Efficacy: 126.7 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 (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

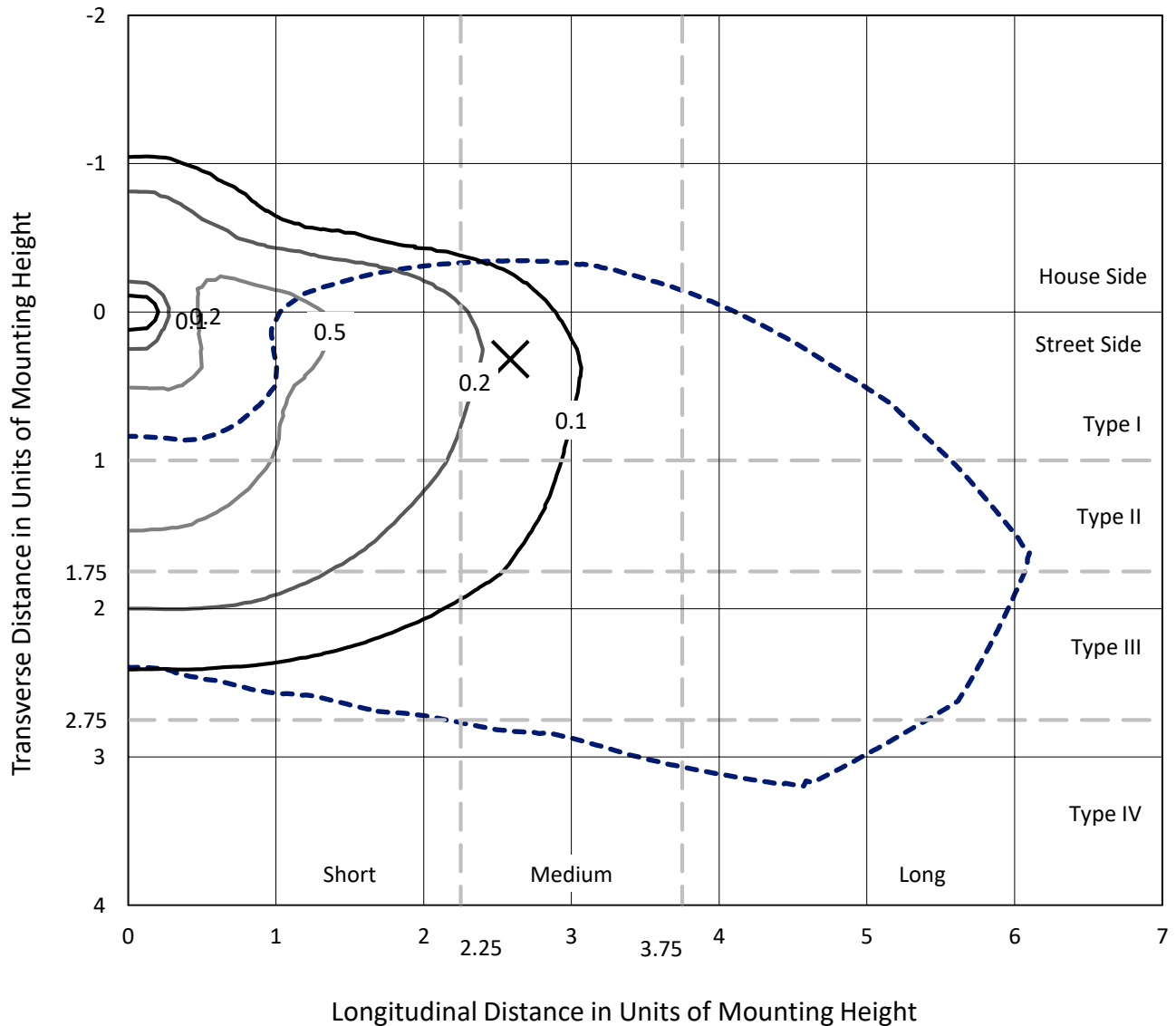


REPORT NUMBER: P414801

CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

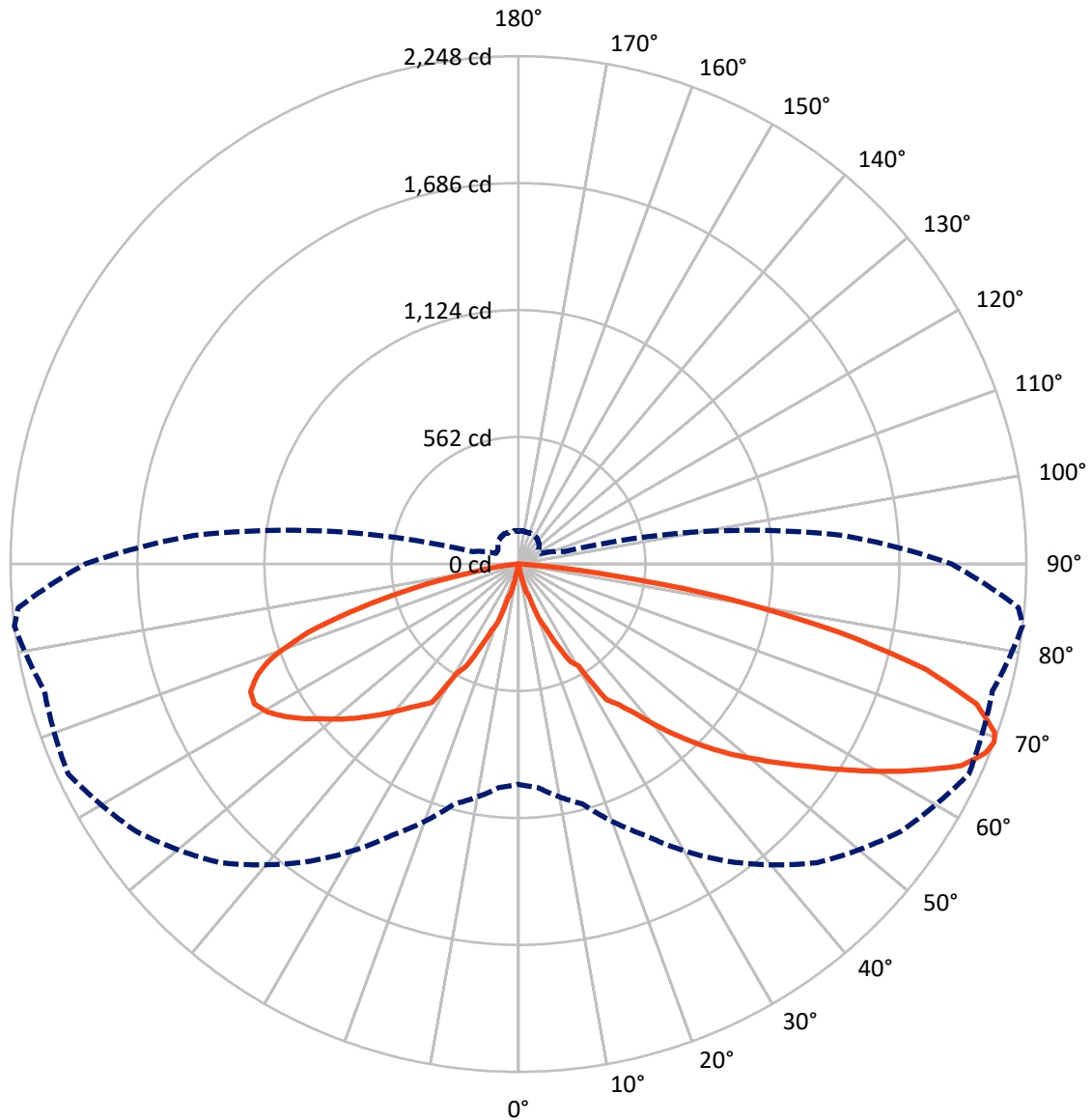


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414801

CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P414801

CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T3

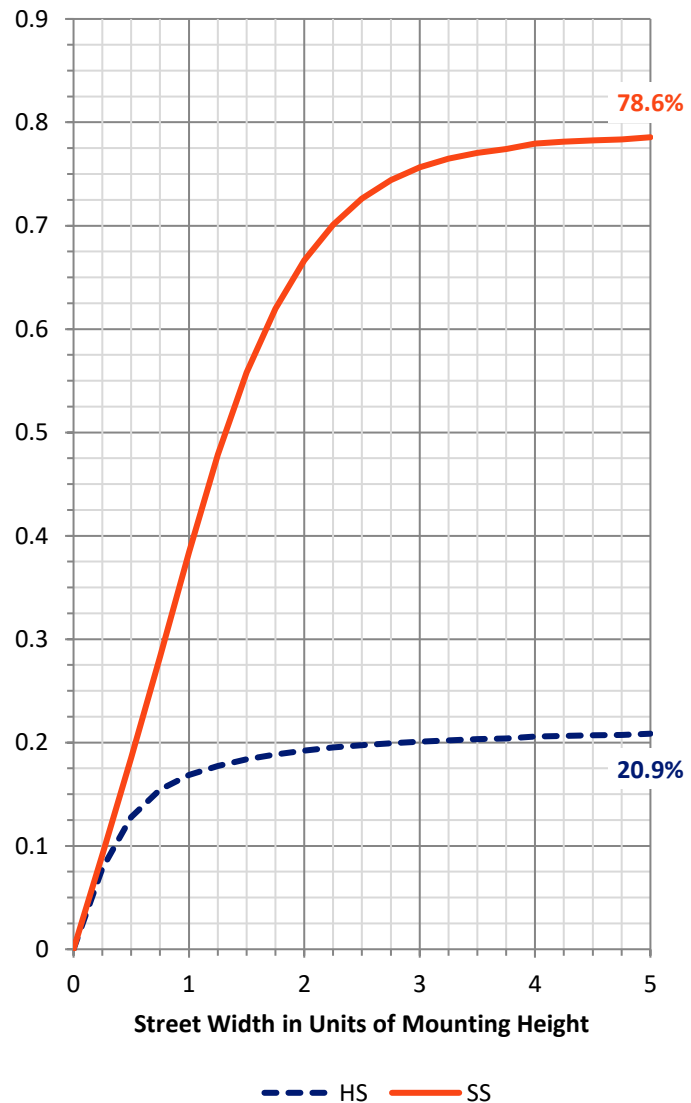
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.9	0.0	832.9
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	3094.1	0.0	3094.1
	% Fixture	78.8	0.0	78.8
Total	Lumens	3927.0	0.0	3927.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	39.9	1.0
20°-30°	157.5	4.0
30°-40°	350.4	8.9
40°-50°	595.1	15.2
50°-60°	886.8	22.6
60°-70°	1044.4	26.6
70°-80°	731.0	18.6
80°-90°	119.3	3.0
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°	3927.0	100.0
0°-180°	3927.0	100.0



REPORT NUMBER: P414801

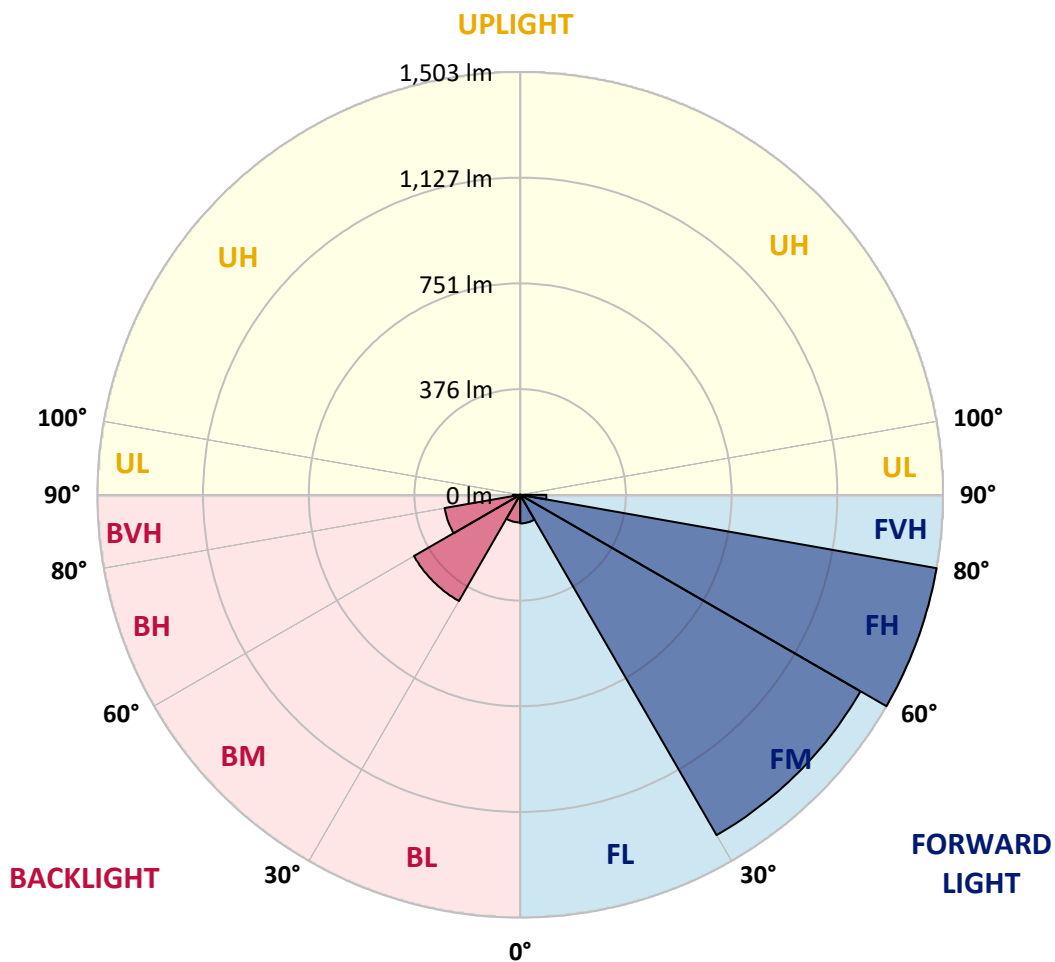
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.7	2.6			
FM	(30°-60°)	1396.5	35.6			
FH	(60°-80°)	1502.6	38.3			G1/1800
FVH	(80°-90°)	93.3	2.4			G1/100
BL	(0°-30°)	98.2	2.5	B0/110		
BM	(30°-60°)	435.8	11.1	B1/1000		
BH	(60°-80°)	272.8	6.9	B1/500		G1/500
BVH	(80°-90°)	26.1	0.7			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





REPORT NUMBER: P414801

CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.1	1.7	2.1	2.5	2.5	2.1	1.7	1.7	1.7	1.7	1.3
5°	34.2	24.9	22.4	19.9	11.8	4.2	2.5	1.7	1.7	1.7	1.7
7.5°	72.3	72.3	72.3	72.7	72.3	53.7	12.7	3.0	1.7	1.7	1.7
10°	73.1	72.7	72.3	72.7	73.6	74.0	71.4	10.1	4.2	3.8	3.8
12.5°	132.3	131.5	126.8	88.8	75.3	75.7	77.4	55.8	20.3	53.7	62.6
15°	140.4	139.5	139.5	139.9	132.7	82.4	116.3	152.2	108.2	129.4	131.5
17.5°	157.3	152.6	148.8	146.3	147.1	164.0	164.9	168.3	126.0	145.0	147.5
20°	241.0	239.3	225.8	172.9	161.5	213.1	189.8	186.9	235.9	256.2	260.4
22.5°	275.2	273.5	263.8	254.5	265.5	232.1	270.1	278.6	319.6	307.3	311.2
25°	373.7	372.5	318.3	294.7	323.8	266.8	333.6	319.2	353.0	393.6	397.8
27.5°	457.4	454.5	443.5	397.4	361.5	399.9	369.1	426.6	479.4	486.2	498.9
30°	543.2	523.8	490.0	491.7	445.2	440.9	439.7	512.0	513.7	524.2	545.8
32.5°	683.6	674.7	646.4	558.9	548.7	490.0	541.1	545.8	670.9	714.9	719.1
35°	796.1	758.0	731.4	681.9	605.0	624.0	602.9	686.6	736.0	764.4	781.7
37.5°	975.3	980.4	936.8	756.7	708.5	686.6	723.3	768.6	830.3	837.1	863.3
40°	1104.3	1100.9	1042.1	909.4	801.6	779.2	803.7	848.1	931.8	940.2	946.6
42.5°	1292.0	1275.5	1193.5	1044.2	944.5	897.1	903.9	922.5	1006.2	1043.8	1036.2
45°	1465.7	1454.7	1371.9	1188.0	1079.7	1024.4	1014.2	997.7	1098.3	1148.6	1134.7
47.5°	1601.8	1582.4	1535.0	1347.8	1264.5	1170.2	1119.5	1089.5	1189.7	1253.9	1234.5
50°	1747.7	1718.1	1675.4	1506.3	1424.3	1340.2	1228.5	1190.9	1292.4	1356.2	1340.6
52.5°	1844.5	1798.4	1771.8	1647.5	1571.8	1498.3	1334.7	1309.3	1405.3	1466.6	1463.2
55°	1795.9	1794.2	1821.3	1742.6	1669.1	1591.3	1445.0	1443.7	1523.2	1586.2	1589.2
57.5°	1711.3	1720.2	1797.2	1809.0	1777.7	1686.4	1581.6	1594.2	1661.9	1720.2	1726.6
60°	1603.5	1628.1	1738.8	1801.4	1826.3	1781.1	1713.0	1732.5	1813.2	1863.5	1861.8
62.5°	1461.1	1480.9	1618.8	1760.4	1811.1	1853.8	1834.4	1896.9	1960.8	2008.1	2020.4
65°	1292.8	1300.8	1450.1	1641.2	1772.2	1891.0	1935.8	2049.6	2080.4	2153.1	2155.7
67.5°	1106.4	1108.9	1238.7	1466.6	1687.7	1888.1	2022.1	2162.4	2154.4	2231.8	2225.8
69°	975.3	993.5	1100.0	1324.5	1605.7	1869.9	2064.8	2199.6	2172.6	2248.2	2222.5
70°	883.1	881.9	1003.6	1204.0	1533.4	1846.6	2091.8	2209.4	2173.0	2236.8	2197.9
72.5°	562.7	571.2	676.4	854.4	1235.7	1712.2	2125.2	2183.6	2126.5	2120.2	2036.9
75°	248.6	225.8	291.7	452.4	777.0	1331.7	2044.9	2067.3	1994.2	1863.5	1720.6
77.5°	87.1	90.5	109.9	183.9	374.1	793.5	1694.9	1818.7	1761.2	1447.1	1287.7
80°	62.1	62.6	73.6	102.7	181.4	279.9	1078.9	1315.6	1355.4	954.2	820.2
82.5°	44.0	44.0	54.5	65.5	125.6	125.1	464.2	723.8	773.2	423.2	316.6
85°	36.8	37.6	41.9	38.0	73.6	63.8	114.6	223.2	183.1	51.6	45.2
87.5°	5.5	5.1	14.4	12.7	11.0	9.3	12.7	14.4	9.7	7.6	5.5
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: P414801

CATALOG NUMBER: LXF.LXT-PA1-30-760-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.7	1.7	1.7	1.7	1.3	0.8	0.8	0.8	1.3	1.3	1.3
5°	1.7	1.7	1.7	1.7	1.7	1.7	2.1	3.0	3.4	3.8	3.8
7.5°	1.7	1.7	1.7	2.1	2.5	3.8	20.7	71.9	78.6	82.0	84.1
10°	3.4	3.8	3.8	3.8	9.3	79.5	94.7	98.1	101.5	103.2	102.7
12.5°	65.5	67.6	16.9	12.3	74.0	99.3	102.3	105.7	109.1	111.6	111.2
15°	134.9	138.2	132.7	137.4	145.9	107.8	110.3	186.9	202.5	205.5	205.9
17.5°	150.5	153.0	155.6	202.5	207.6	159.8	191.1	205.0	206.7	207.6	208.0
20°	286.6	285.4	230.8	222.0	219.8	277.3	202.9	206.7	247.3	281.6	283.3
22.5°	316.2	320.0	304.8	325.9	288.7	280.7	255.8	273.9	289.2	288.7	287.5
25°	410.1	415.2	349.6	339.1	346.2	279.0	319.2	273.5	277.8	278.2	280.7
27.5°	512.8	514.1	485.3	381.8	340.7	345.4	300.6	291.3	325.5	327.6	327.6
30°	558.5	566.5	512.8	442.2	353.0	326.4	291.3	317.5	302.3	304.8	304.8
32.5°	741.9	735.6	669.7	438.0	365.7	300.2	304.4	294.2	325.9	334.4	335.3
35°	790.1	777.0	673.5	489.6	341.2	306.5	278.2	298.9	298.9	298.5	296.4
37.5°	849.8	826.9	665.4	453.2	343.3	279.9	268.5	268.9	293.4	298.9	295.1
40°	920.4	886.1	664.2	423.2	311.2	265.1	246.5	258.7	258.3	251.1	246.9
42.5°	996.9	951.6	661.2	387.7	279.4	248.6	232.5	228.7	230.8	217.7	216.5
45°	1086.5	1019.3	652.7	356.4	254.1	230.8	212.6	206.7	207.6	197.4	194.9
47.5°	1181.6	1089.0	650.6	331.9	232.9	213.1	198.3	190.7	193.6	182.2	179.7
50°	1287.7	1160.9	643.4	309.0	209.7	196.6	185.6	176.7	177.1	168.3	166.1
52.5°	1403.1	1230.7	635.4	277.8	188.6	182.6	176.3	169.5	177.1	165.3	162.8
55°	1521.5	1315.6	624.8	241.4	169.5	172.1	165.7	170.8	181.8	163.2	159.8
57.5°	1653.0	1395.5	605.0	201.7	154.3	160.2	164.5	171.2	180.1	162.8	156.4
60°	1777.7	1472.5	557.6	170.4	141.2	150.5	161.9	168.7	167.8	159.8	155.6
62.5°	1904.5	1535.9	470.1	146.3	130.2	145.9	158.1	161.1	157.3	154.3	151.8
65°	1974.3	1551.5	364.4	130.2	121.3	139.5	153.5	156.0	150.5	150.5	148.4
67.5°	1962.9	1501.2	268.9	117.1	113.7	133.2	145.4	151.3	147.5	150.5	147.1
69°	1917.2	1443.7	211.4	110.3	109.9	128.1	140.8	147.5	144.6	148.8	144.6
70°	1863.5	1385.8	186.9	106.5	106.1	124.3	137.8	144.6	141.2	144.6	140.8
72.5°	1657.6	1189.2	134.0	96.0	97.2	116.7	130.6	135.7	132.7	133.6	128.5
75°	1325.4	884.0	106.1	87.1	88.4	107.8	122.6	125.6	123.4	119.6	116.7
77.5°	931.8	569.9	87.1	79.1	79.5	97.2	114.1	113.7	110.3	106.5	102.7
80°	508.2	268.0	74.0	69.3	70.6	86.7	101.9	100.6	96.4	92.6	87.9
82.5°	219.8	108.2	57.5	55.4	59.2	72.7	87.5	84.1	80.3	82.0	63.8
85°	39.3	37.2	33.4	35.5	40.2	51.6	61.7	58.8	56.7	48.2	44.4
87.5°	3.4	5.1	5.1	6.3	8.9	9.7	17.3	12.7	13.1	5.1	2.5
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)