

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: P415303

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
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-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3965 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

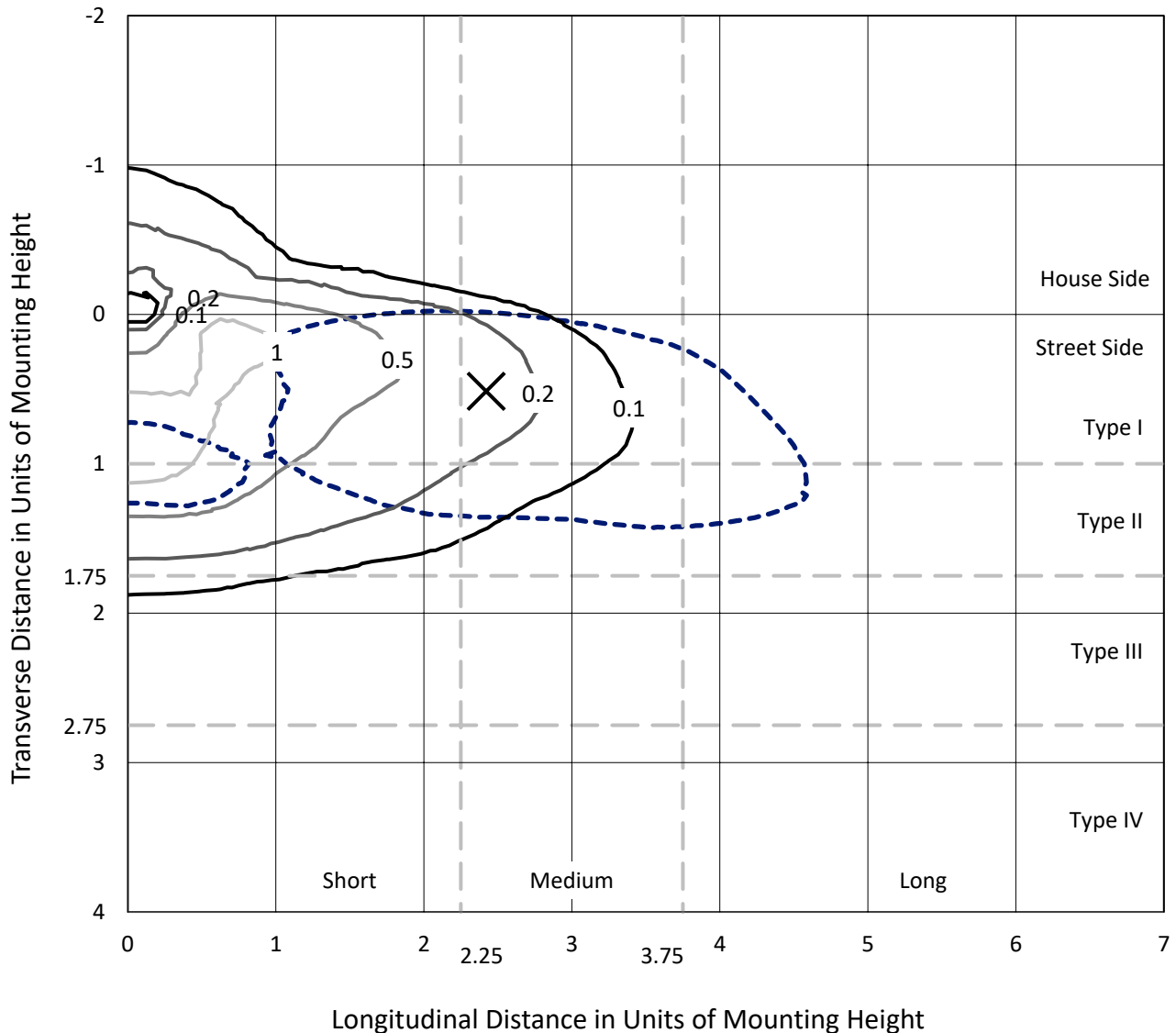
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415303
 CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

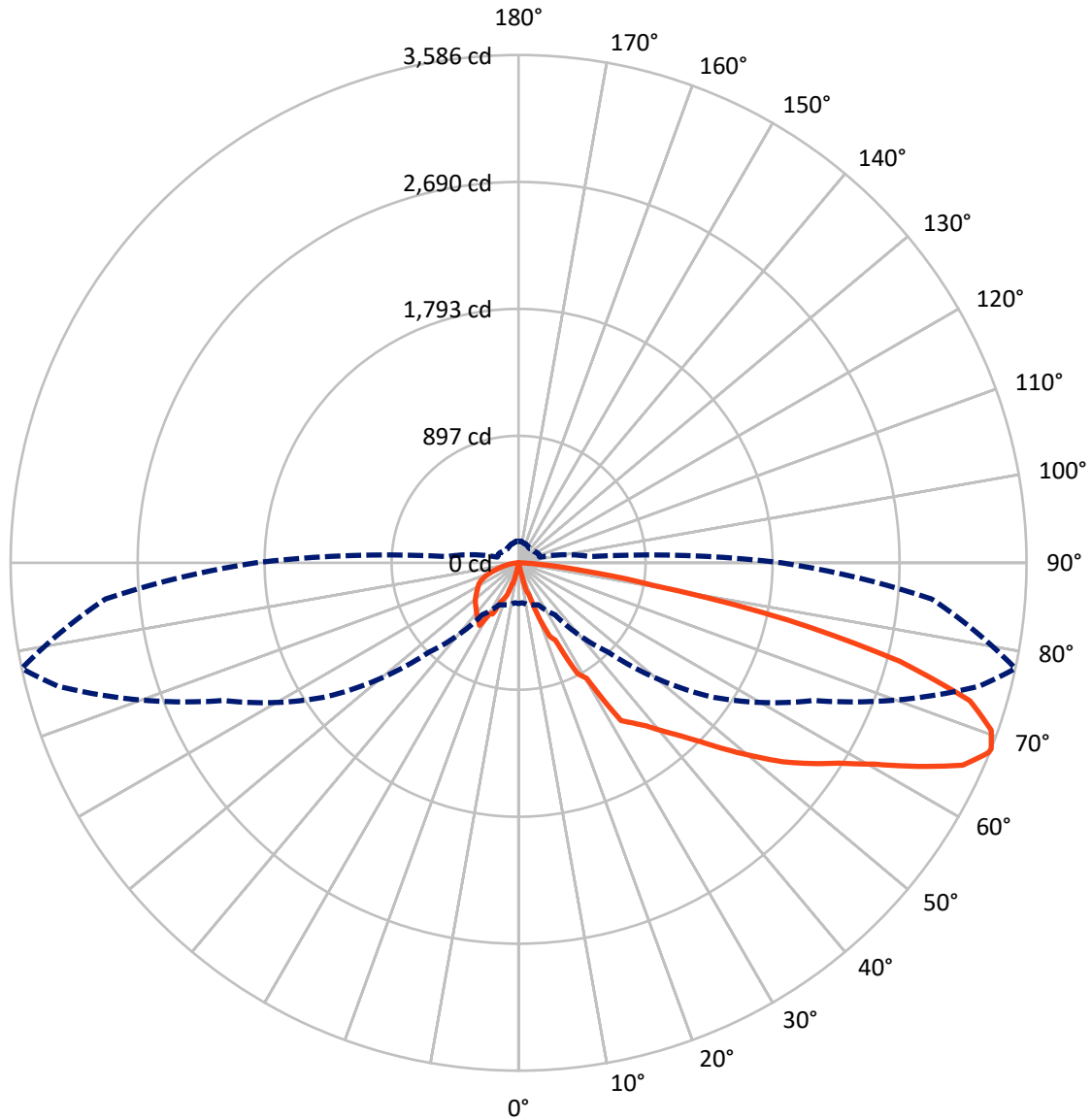
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415303
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P415303

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R

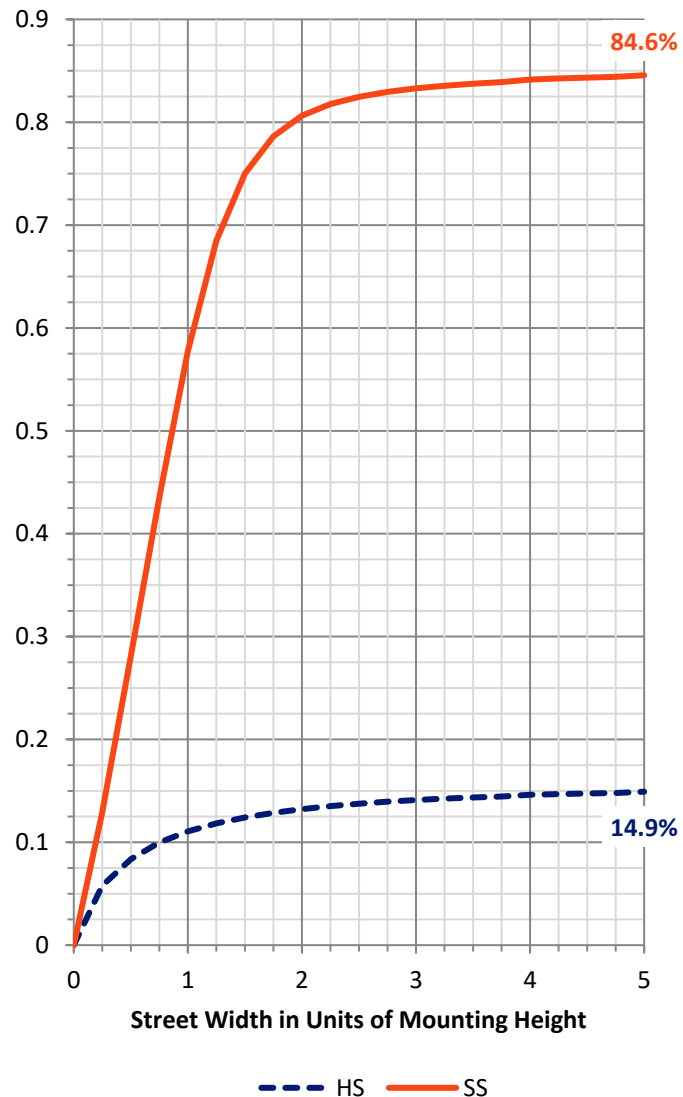
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	602.0	0.0	602.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3363.0	0.0	3363.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	3965.0	0.0	3965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	57.5	1.4
20°-30°	218.8	5.5
30°-40°	510.9	12.9
40°-50°	797.5	20.1
50°-60°	915.5	23.1
60°-70°	850.7	21.5
70°-80°	525.6	13.3
80°-90°	84.6	2.1
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°	3965.0	100.0
0°-180°	3965.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415303

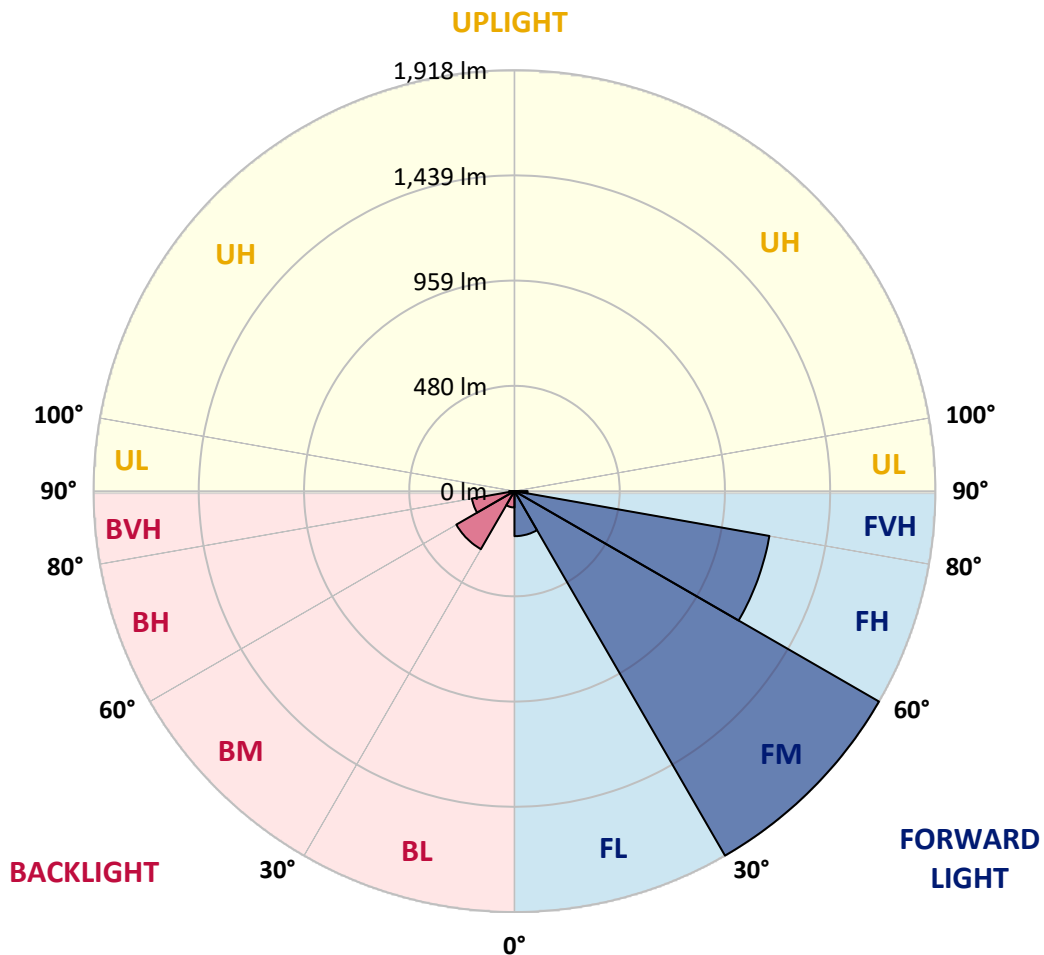
CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.6	5.2			
FM (30°-60°)	1918.0	48.4			
FH (60°-80°)	1179.5	29.7			G1/1800
FVH (80°-90°)	59.9	1.5			G1/100
BL (0°-30°)	74.6	1.9	B0/110		
BM (30°-60°)	305.8	7.7	B1/1000		
BH (60°-80°)	196.8	5.0	B1/500		G1/500
BVH (80°-90°)	24.8	0.6			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 II Medium





REPORT NUMBER: P415303

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.0	3.0	3.5	3.9	4.8	4.4	3.0	2.2	1.7	1.7	1.7
5°	140.5	129.2	72.2	37.4	13.1	7.8	3.9	3.0	2.2	2.2	1.7
7.5°	158.8	157.9	156.6	155.3	153.1	144.9	15.2	4.4	2.6	2.6	1.7
10°	171.4	170.1	169.2	168.3	165.3	161.0	153.6	13.5	4.8	4.4	3.9
12.5°	332.8	331.9	330.6	211.4	179.2	174.4	167.9	120.1	13.9	20.9	63.1
15°	331.9	330.6	334.5	341.5	347.1	191.0	192.7	337.1	208.8	200.5	213.6
17.5°	346.3	344.5	340.2	345.0	355.4	399.3	377.6	365.0	245.8	234.5	227.9
20°	507.7	507.7	512.9	508.5	368.9	510.3	483.3	391.9	444.1	417.6	388.5
22.5°	537.2	535.1	535.9	544.6	640.3	529.0	533.3	604.7	617.3	563.8	483.3
25°	763.9	763.4	733.4	575.5	675.1	637.7	736.9	646.9	669.5	606.4	592.9
27.5°	859.6	860.4	836.1	814.3	713.4	826.9	782.1	851.7	950.9	883.5	759.5
30°	1156.7	1145.4	954.0	932.7	873.1	871.8	947.0	1005.7	977.9	946.1	848.3
32.5°	1374.6	1363.3	1321.1	1173.6	1037.9	970.9	1088.0	1052.3	1275.9	1328.1	1150.2
35°	1711.8	1707.8	1483.8	1331.6	1218.9	1174.1	1143.2	1282.0	1381.1	1389.0	1225.0
37.5°	1970.6	1958.0	1826.6	1558.2	1372.0	1268.5	1342.0	1344.2	1496.4	1459.4	1342.0
40°	2088.9	2081.1	1980.1	1728.3	1513.0	1395.9	1425.5	1438.1	1622.6	1558.6	1427.3
42.5°	2178.9	2169.4	2105.4	1830.5	1636.9	1525.1	1511.6	1523.0	1744.8	1666.9	1518.6
45°	2225.5	2219.8	2189.8	1903.2	1723.5	1607.3	1603.9	1597.8	1827.9	1800.5	1617.8
47.5°	2199.4	2193.3	2206.8	2001.9	1777.4	1674.8	1689.6	1678.7	1923.2	1968.0	1725.7
50°	2054.5	2060.2	2114.1	2005.8	1811.8	1729.6	1780.0	1753.1	2052.8	2144.6	1856.6
52.5°	1635.2	1658.2	1886.6	1918.8	1815.3	1755.3	1861.4	1866.6	2213.7	2333.4	2028.9
55°	1220.2	1252.8	1455.1	1706.5	1745.7	1756.1	1913.6	1970.6	2374.3	2501.3	2173.7
57.5°	960.5	980.5	1109.3	1361.6	1577.8	1725.2	1967.1	2055.0	2523.5	2669.2	2316.0
60°	767.8	755.6	839.6	1031.0	1315.0	1638.7	1990.6	2165.0	2709.2	2885.8	2483.5
62.5°	555.1	555.9	619.9	729.1	1041.0	1467.7	1972.3	2271.6	2945.9	3166.0	2706.6
65°	393.7	397.6	441.1	499.8	752.6	1232.8	1881.8	2344.2	3213.0	3446.1	2888.0
67.5°	299.7	302.3	322.8	350.2	486.3	937.9	1696.1	2329.5	3359.6	3578.8	2940.6
68°	287.5	283.2	306.2	326.3	447.6	889.2	1645.2	2299.9	3366.5	3586.2	2928.0
70°	242.3	242.3	252.7	257.5	317.1	657.3	1395.9	2121.1	3341.7	3540.5	2832.3
72.5°	202.3	201.0	207.1	203.1	224.0	430.2	1014.0	1829.2	3164.7	3332.1	2547.4
75°	168.3	168.3	169.2	166.2	171.8	288.4	659.0	1432.9	2795.8	2782.3	2073.2
77.5°	143.6	140.1	139.2	134.9	139.6	209.7	404.1	1019.7	2018.4	1945.8	1316.3
80°	114.0	113.5	114.4	111.8	115.7	152.7	246.2	596.0	1099.3	967.5	613.8
82.5°	70.5	77.4	85.3	85.3	97.4	107.9	149.2	318.9	532.9	468.5	260.6
85°	23.1	28.3	50.0	51.8	62.6	50.5	85.7	102.7	177.9	158.8	50.0
87.5°	0.9	1.3	3.9	6.1	5.7	3.5	6.1	4.8	10.0	7.4	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



REPORT NUMBER: P415303

CATALOG NUMBER: LXF.LXT-PA1-40-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.7	1.7	1.7	2.2	2.2	1.3	0.9	1.7	1.7	1.7	1.7
5°	1.7	1.7	2.2	2.2	2.2	1.7	2.2	3.0	3.5	3.5	3.5
7.5°	1.7	1.7	1.7	2.6	2.6	3.0	4.4	26.1	60.0	65.7	64.8
10°	3.5	3.0	3.5	3.9	4.8	55.7	73.1	77.0	78.7	80.0	79.6
12.5°	83.5	74.8	13.9	7.8	52.6	78.3	79.6	82.7	85.7	87.0	87.0
15°	195.8	175.3	134.0	100.9	90.0	83.5	84.8	111.4	151.4	155.3	155.7
17.5°	207.9	182.3	140.1	154.4	159.2	124.0	136.2	153.1	154.9	155.3	155.3
20°	391.9	328.4	199.2	162.7	162.3	207.5	145.3	149.6	152.3	173.1	175.7
22.5°	424.1	351.9	239.3	231.0	174.9	207.5	190.1	184.9	202.3	200.5	201.8
25°	533.3	422.4	251.9	231.9	244.9	201.0	223.2	184.0	187.1	186.2	186.2
27.5°	678.2	532.9	351.9	259.7	237.9	232.3	206.6	177.0	212.3	213.2	213.2
30°	718.2	548.1	351.9	280.6	247.5	228.4	191.0	209.2	197.5	194.0	192.3
32.5°	995.3	743.4	425.9	270.1	244.0	209.7	209.2	194.4	194.0	201.8	201.8
35°	1045.8	754.7	388.9	308.9	230.1	216.2	198.8	196.6	187.9	184.9	184.4
37.5°	1095.8	761.7	360.6	283.6	236.2	206.2	195.8	180.5	190.1	190.1	189.2
40°	1149.3	769.1	335.0	260.6	217.1	206.2	181.4	180.1	167.0	167.9	167.0
42.5°	1206.7	772.1	307.5	241.4	199.2	193.6	175.3	161.8	161.4	164.4	163.6
45°	1272.4	776.1	282.3	217.1	181.4	170.5	156.6	157.5	165.7	172.7	172.7
47.5°	1342.4	779.5	261.4	195.3	168.8	154.9	144.4	147.9	162.7	169.7	171.8
50°	1437.3	783.9	237.5	177.5	160.1	143.1	141.4	144.4	160.5	165.7	163.6
52.5°	1538.2	776.1	214.0	166.2	150.9	130.1	133.1	140.9	158.3	161.0	159.2
55°	1620.8	756.5	195.8	158.8	144.4	124.4	128.8	138.3	154.9	156.2	156.6
57.5°	1717.0	730.8	181.4	153.1	140.5	121.8	127.0	137.9	147.9	154.0	154.0
60°	1811.4	700.8	172.7	150.1	137.5	121.8	127.0	137.5	146.6	153.1	152.7
62.5°	1921.9	666.9	167.5	151.8	133.5	123.1	127.9	138.8	146.2	153.6	152.7
65°	1960.6	602.0	163.6	154.4	133.1	124.8	128.3	140.5	145.7	154.4	153.6
67.5°	1884.0	516.4	157.0	154.4	137.0	127.0	127.9	139.6	144.4	154.9	150.9
68°	1858.3	503.7	154.9	154.0	137.5	127.5	127.9	139.2	143.6	154.4	150.1
70°	1715.7	423.7	144.0	149.6	139.2	129.2	125.7	136.2	139.2	153.6	148.3
72.5°	1484.7	330.2	125.7	139.2	137.5	131.8	121.8	130.1	131.8	143.6	134.9
75°	1187.1	251.0	104.0	120.9	129.2	131.8	116.1	121.8	121.4	127.0	119.2
77.5°	746.5	179.2	84.0	102.7	117.5	128.3	110.9	110.9	105.7	106.6	103.1
80°	361.9	122.7	67.9	84.8	98.3	121.4	101.8	93.5	87.0	85.3	80.9
82.5°	177.9	79.2	47.0	63.9	77.9	100.5	91.4	77.0	65.7	64.8	57.9
85°	41.3	32.6	25.7	33.9	49.2	65.7	65.7	48.3	40.9	53.1	39.2
87.5°	3.9	4.8	5.2	4.8	6.1	5.7	13.9	13.9	12.6	8.3	5.7
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)