

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: P414966

Luminaire Tested: **LXF.LXT-PA1-40-722-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414966
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-PA1-40-722-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 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: 3711 lumens
Efficiency: N/A
Efficacy: 92.8 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

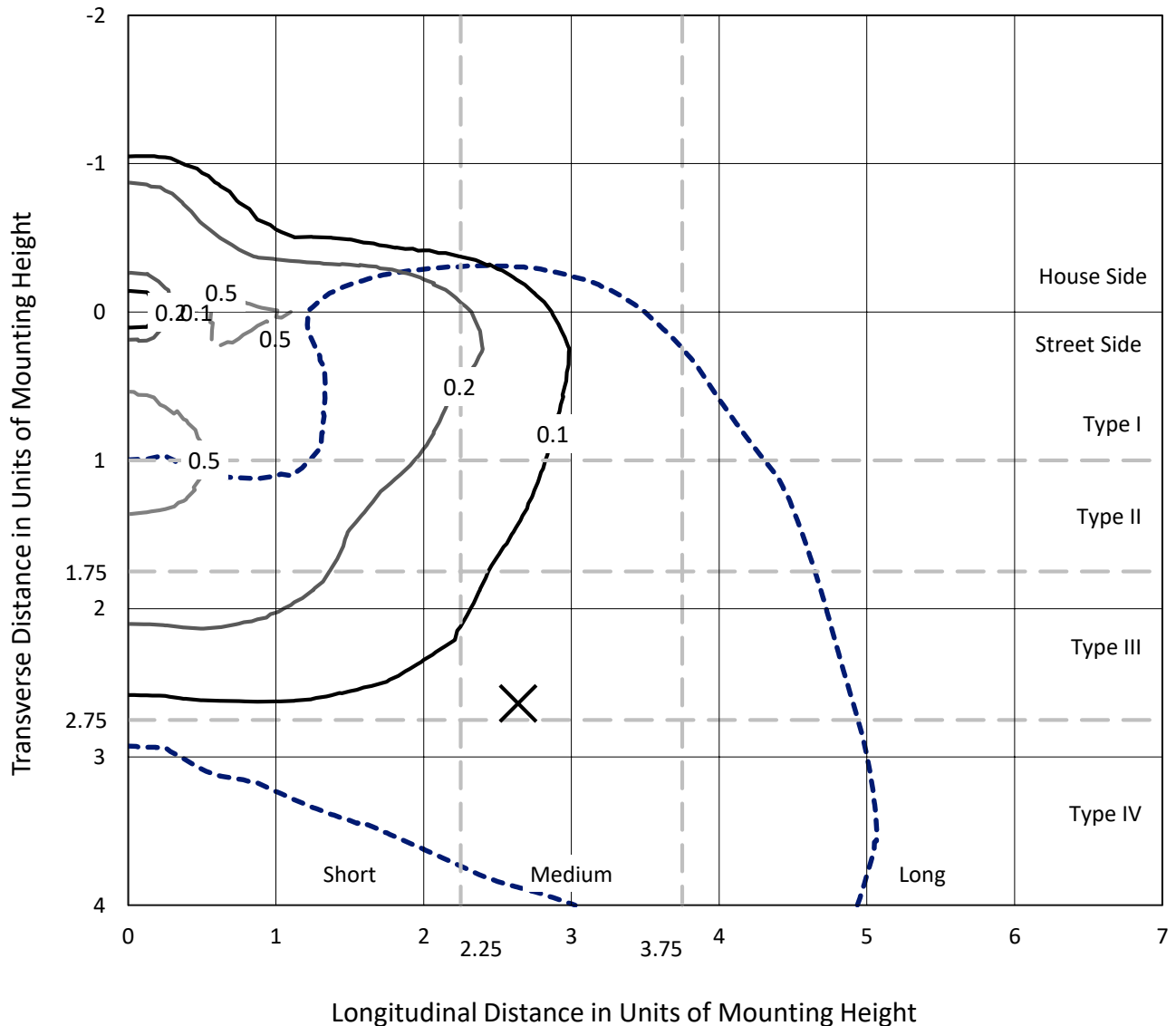
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

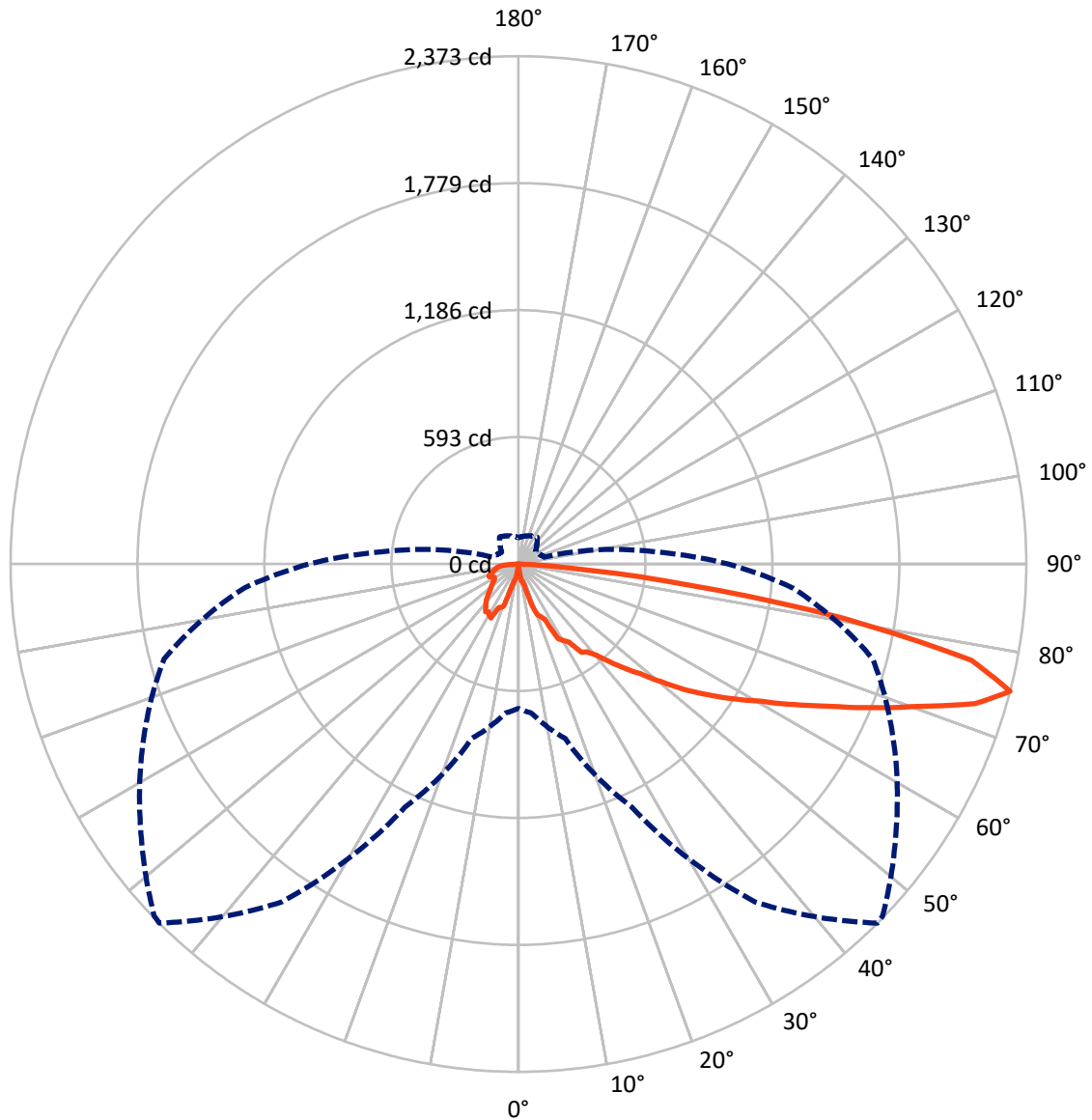
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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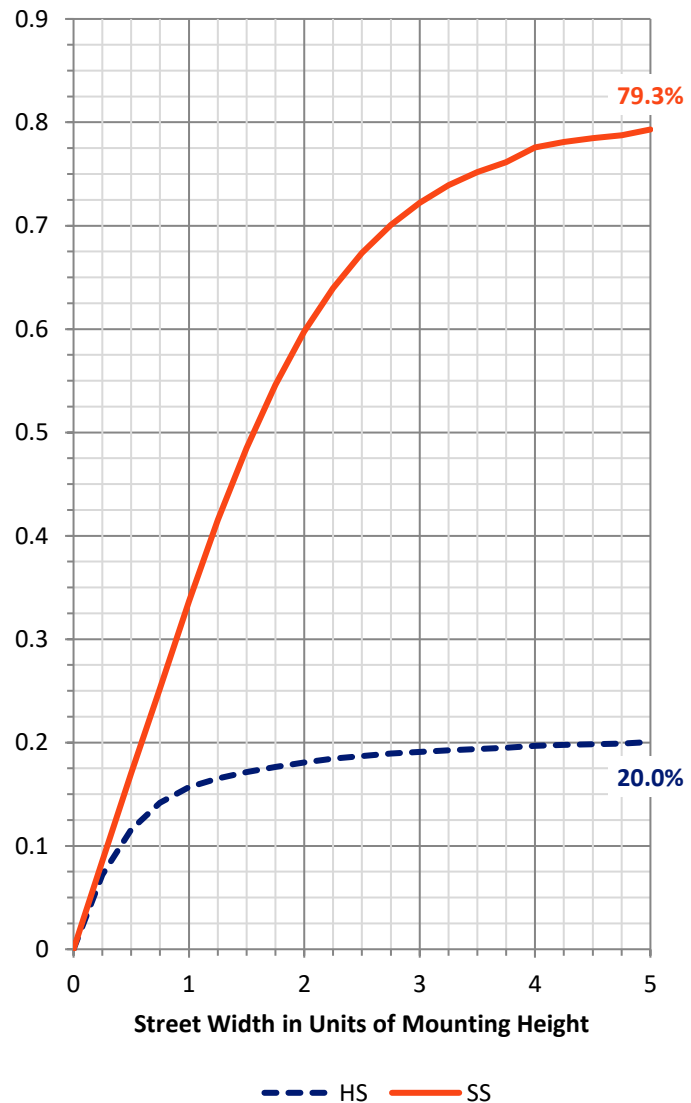
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	761.1	0.0	761.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2949.9	0.0	2949.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	3711.0	0.0	3711.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	38.3	1.0
20°-30°	142.6	3.8
30°-40°	293.8	7.9
40°-50°	465.8	12.6
50°-60°	736.4	19.8
60°-70°	1034.6	27.9
70°-80°	861.3	23.2
80°-90°	135.8	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°	3711.0	100.0
0°-180°	3711.0	100.0



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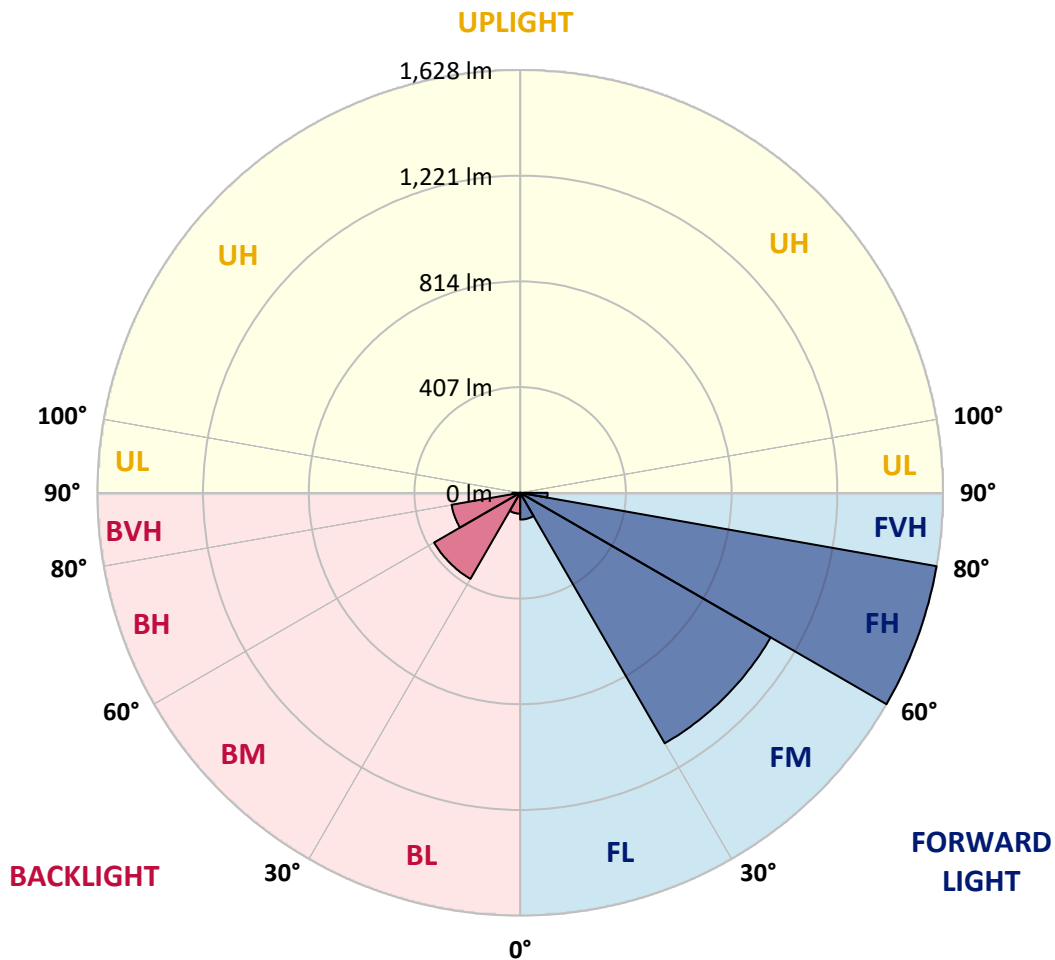
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.0	2.8			
FM	(30°-60°)	1113.5	30.0			
FH	(60°-80°)	1627.9	43.9			G1/1800
FVH	(80°-90°)	105.5	2.8			G2/225
BL	(0°-30°)	80.3	2.2	B0/110		
BM	(30°-60°)	382.5	10.3	B1/1000		
BH	(60°-80°)	267.9	7.2	B1/500		G1/500
BVH	(80°-90°)	30.3	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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.0	2.0	2.0	2.0	2.0	1.6	1.6	1.2	1.6	1.6	1.6
5°	28.6	27.0	21.3	18.9	15.7	6.4	5.2	2.4	2.0	2.0	1.6
7.5°	84.9	84.1	82.9	80.1	76.5	47.9	41.5	14.9	2.8	2.0	1.6
10°	93.8	92.2	90.2	87.3	84.1	80.1	79.7	73.2	13.3	4.4	3.6
12.5°	184.3	181.1	151.3	109.5	90.6	85.7	85.7	82.9	60.0	20.9	49.1
15°	198.0	196.4	190.8	183.5	172.7	99.4	97.4	129.6	159.8	111.9	118.7
17.5°	222.6	218.9	201.6	192.8	184.7	200.4	199.2	185.5	175.1	124.0	133.2
20°	310.3	308.3	301.0	215.7	198.8	253.6	254.4	210.5	190.4	219.3	217.7
22.5°	317.5	317.1	311.9	299.0	315.1	266.0	266.4	279.7	278.1	291.0	264.0
25°	415.3	414.1	336.1	308.3	344.1	286.6	299.4	346.9	309.9	315.5	329.6
27.5°	426.2	425.4	421.0	401.7	356.2	394.8	394.8	358.6	394.8	413.3	415.8
30°	484.6	469.3	438.3	429.0	414.9	414.5	415.8	415.3	456.8	432.7	456.8
32.5°	569.9	566.7	555.4	465.3	461.2	434.7	448.4	479.7	476.9	550.2	581.6
35°	693.1	649.2	609.3	536.9	478.9	506.3	508.3	497.5	555.4	578.8	623.0
37.5°	864.9	852.8	796.5	604.5	533.7	520.4	521.6	557.0	590.4	616.2	665.7
40°	990.1	983.6	944.6	740.1	585.2	558.6	561.4	584.4	615.4	661.3	712.8
42.5°	1110.0	1110.0	1087.1	856.1	695.9	623.8	621.8	626.6	648.8	697.1	782.4
45°	1188.1	1183.7	1203.0	965.1	778.4	693.9	686.2	685.0	693.1	750.2	875.8
47.5°	1266.6	1254.5	1273.0	1075.4	886.2	766.3	767.1	752.2	763.1	850.8	1003.4
50°	1349.5	1351.9	1349.5	1168.4	992.1	864.9	858.1	839.1	860.9	968.7	1146.2
52.5°	1467.8	1459.4	1435.6	1286.7	1127.3	974.4	963.5	936.1	987.3	1107.6	1324.9
55°	1553.9	1545.9	1539.4	1413.5	1231.2	1080.2	1073.8	1043.6	1139.4	1247.7	1509.3
57.5°	1647.7	1638.1	1656.6	1586.5	1394.2	1190.9	1182.5	1163.9	1295.5	1407.4	1696.8
60°	1710.9	1711.3	1762.0	1711.3	1530.2	1301.6	1293.5	1307.2	1438.4	1553.9	1899.3
62.5°	1710.9	1724.2	1835.7	1847.7	1675.9	1446.1	1432.0	1439.6	1593.8	1707.7	2065.5
65°	1548.7	1565.2	1825.2	1887.2	1822.0	1602.2	1595.4	1590.6	1740.7	1829.2	2195.9
67.5°	1383.3	1403.8	1666.6	1889.2	1941.5	1791.8	1766.8	1726.2	1867.5	1919.8	2265.9
70°	1268.6	1285.5	1494.4	1824.4	2018.8	1990.6	1974.1	1867.1	1952.4	1977.3	2187.0
72.5°	1082.2	1083.9	1269.8	1687.6	2070.7	2230.9	2192.3	2023.2	2000.3	1939.9	1854.6
75°	674.5	699.1	844.0	1252.5	1927.4	2372.6	2365.3	2154.4	1931.9	1714.1	1285.9
77.5°	251.1	265.6	353.0	643.1	1379.3	2164.1	2170.5	2011.9	1634.0	1242.0	690.6
80°	81.7	87.7	116.7	207.3	612.6	1540.3	1590.6	1427.2	1002.1	631.1	291.0
82.5°	45.5	43.9	67.6	107.5	261.6	798.1	831.1	686.2	472.5	264.0	108.7
85°	20.9	21.7	32.2	58.4	139.7	222.6	240.3	234.6	179.1	108.7	39.8
87.5°	4.4	5.2	7.2	13.7	21.7	18.9	13.7	24.1	35.0	25.8	6.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.6	1.6	1.2	1.2	0.8	0.8	0.4	0.4	0.8	0.8	0.8
5°	1.6	1.6	1.2	1.2	1.2	1.2	1.6	2.8	3.2	3.6	3.2
7.5°	1.6	1.6	1.6	1.6	2.0	4.0	18.9	58.0	61.6	62.8	64.4
10°	3.6	3.2	3.2	3.6	12.5	60.8	73.2	77.3	79.3	80.5	80.1
12.5°	55.9	55.5	20.5	12.5	58.4	76.9	78.9	81.3	85.3	89.3	87.7
15°	118.3	117.9	108.7	112.7	113.5	83.7	85.3	139.7	148.9	155.0	157.0
17.5°	128.8	130.0	126.4	155.8	159.4	126.8	142.1	155.8	159.0	161.0	161.4
20°	239.1	214.9	183.9	174.3	169.8	209.3	158.6	160.2	206.9	221.8	223.4
22.5°	262.8	260.8	243.9	251.1	212.1	218.1	205.3	216.5	237.5	241.9	241.9
25°	339.3	335.7	278.5	261.6	269.3	224.2	259.2	235.8	243.5	251.5	252.3
27.5°	417.0	412.5	371.9	294.2	266.8	282.9	263.2	284.5	307.9	319.2	319.6
30°	453.2	447.1	388.0	331.6	277.7	276.9	276.5	314.7	312.7	320.0	322.0
32.5°	602.1	592.4	495.8	326.0	288.2	263.2	293.4	306.3	352.2	374.7	377.1
35°	638.3	626.2	498.3	360.6	272.1	271.3	272.1	314.3	339.3	355.4	359.0
37.5°	679.8	663.3	492.6	338.1	278.5	252.8	258.8	283.7	338.1	374.3	377.1
40°	731.3	705.9	491.0	315.5	259.6	239.1	237.9	271.3	295.4	317.5	319.6
42.5°	802.5	761.9	488.6	292.2	237.5	222.6	224.6	239.1	258.4	256.4	259.6
45°	897.1	831.5	484.6	271.7	214.9	202.0	200.8	211.3	220.2	207.3	203.6
47.5°	1015.4	917.6	491.0	251.9	194.0	181.9	182.3	186.7	188.4	174.3	171.0
50°	1149.9	1015.0	497.9	230.2	177.1	167.8	165.8	167.4	165.0	151.3	150.1
52.5°	1310.0	1129.3	501.5	209.7	163.4	156.2	153.7	152.5	148.9	139.7	138.4
55°	1495.6	1266.6	509.1	193.2	152.1	145.3	144.1	142.5	141.3	136.0	135.2
57.5°	1685.5	1417.9	504.7	176.3	141.3	135.2	137.6	140.5	143.7	141.7	141.3
60°	1859.8	1538.6	450.0	161.4	130.8	129.2	139.7	152.9	155.4	157.4	157.0
62.5°	1990.2	1599.4	357.0	148.5	123.6	129.6	155.0	173.5	171.0	165.8	164.6
65°	2036.1	1582.5	274.9	138.9	119.9	140.5	171.0	180.7	167.0	157.4	155.4
67.5°	2005.5	1499.2	212.9	130.8	117.9	149.7	176.7	173.9	158.2	150.9	148.1
70°	1848.9	1325.7	169.0	124.0	115.9	144.1	173.9	165.8	150.9	144.5	140.1
72.5°	1512.9	1048.4	144.9	116.3	107.5	132.4	165.0	155.0	144.5	136.0	132.0
75°	978.4	644.8	126.0	107.5	96.2	119.9	153.7	144.5	135.6	127.2	123.2
77.5°	470.9	293.0	110.3	96.6	85.7	110.7	144.5	133.6	124.8	116.3	111.5
80°	198.4	138.4	94.2	85.7	78.1	103.8	134.4	121.9	111.9	105.8	100.6
82.5°	96.6	76.5	71.6	69.6	68.0	94.6	123.6	108.3	97.8	92.2	80.5
85°	32.6	33.0	44.3	43.1	47.9	75.7	101.0	82.1	73.2	63.6	59.6
87.5°	3.2	4.4	6.0	7.6	15.7	20.9	34.6	28.2	22.1	8.5	5.6
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)