

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: P695060

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4015 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

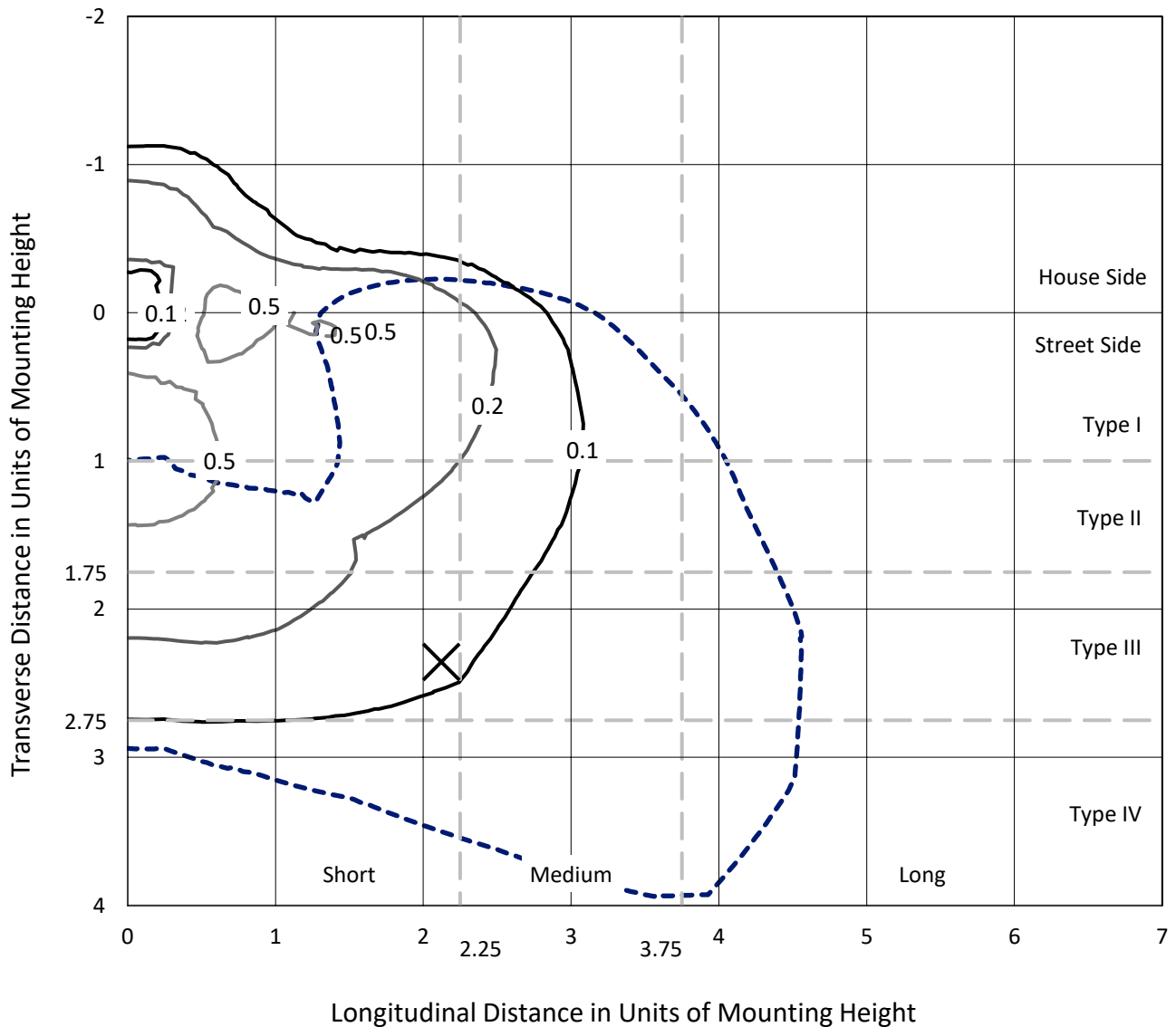
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

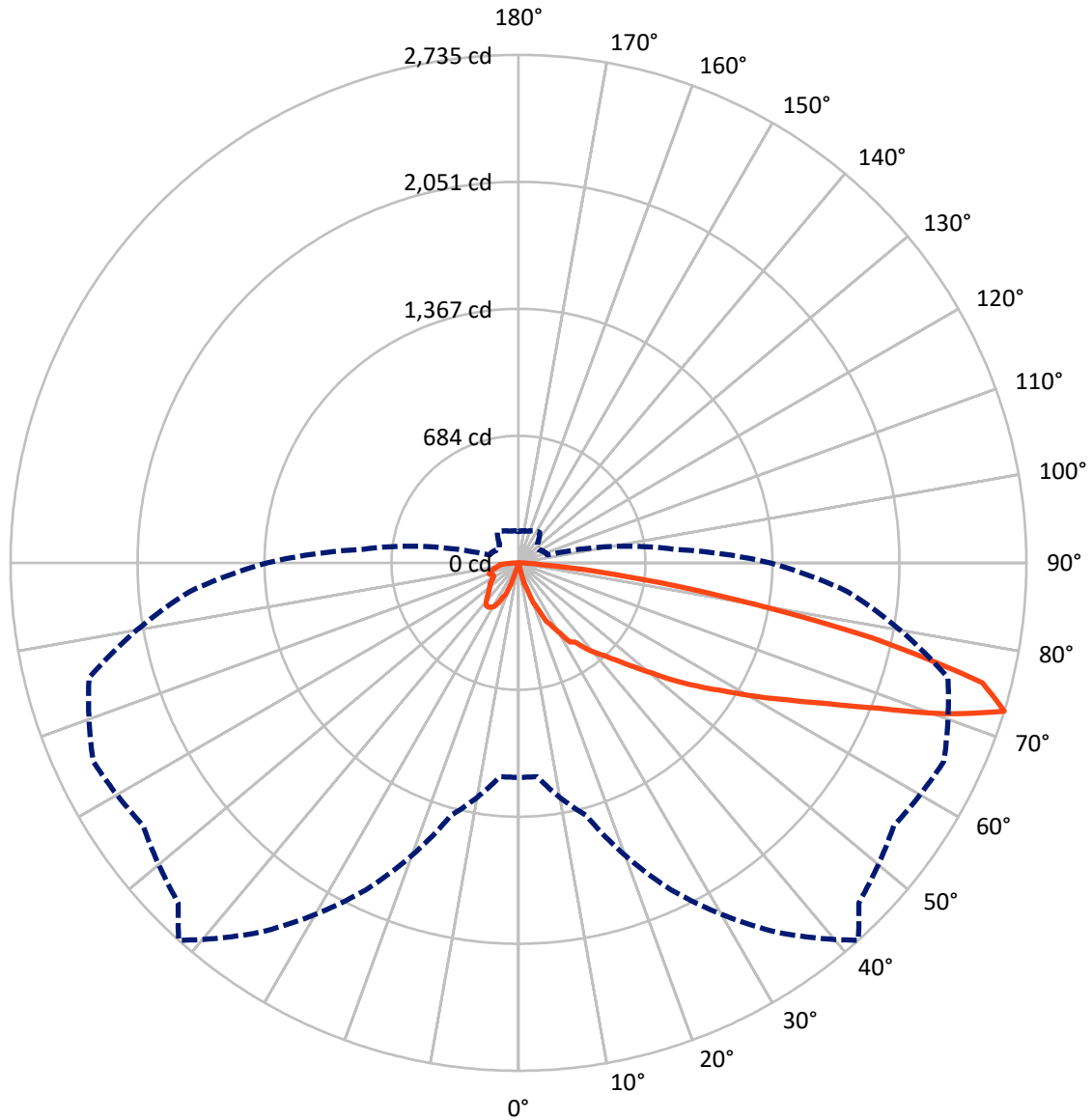
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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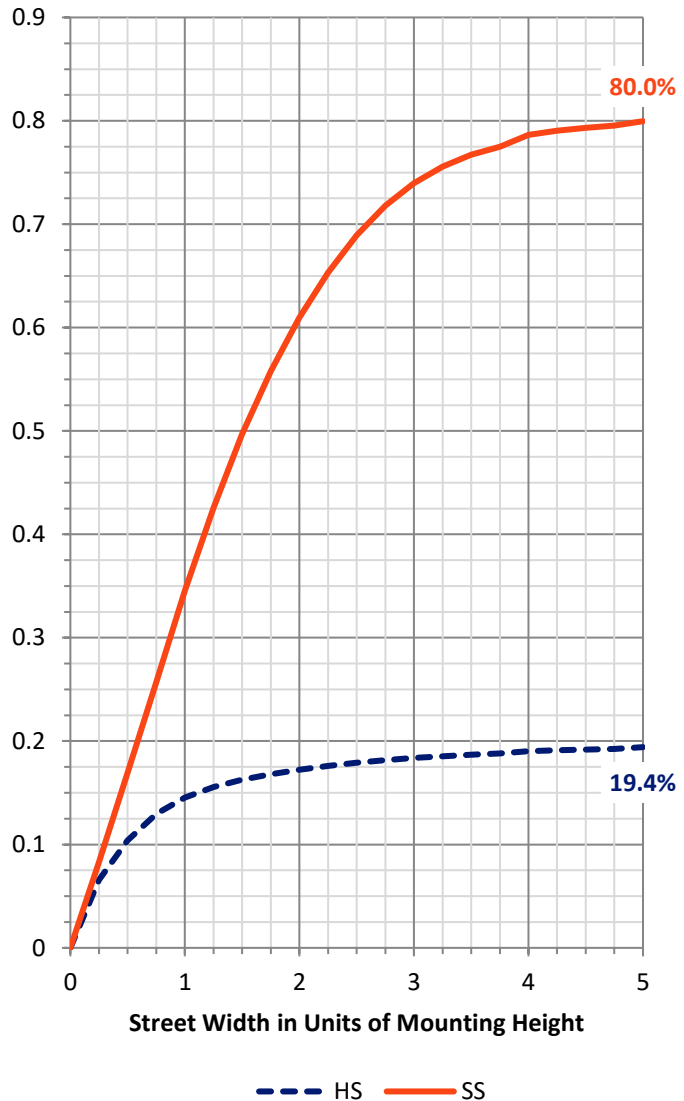
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	800.6	0.0	800.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	3214.4	0.0	3214.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	4015.0	0.0	4015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	28.4	0.7
20°-30°	152.5	3.8
30°-40°	345.3	8.6
40°-50°	510.9	12.7
50°-60°	785.3	19.6
60°-70°	1152.4	28.7
70°-80°	921.4	22.9
80°-90°	118.5	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°	4015.0	100.0
0°-180°	4015.0	100.0

Coefficient of Utilization

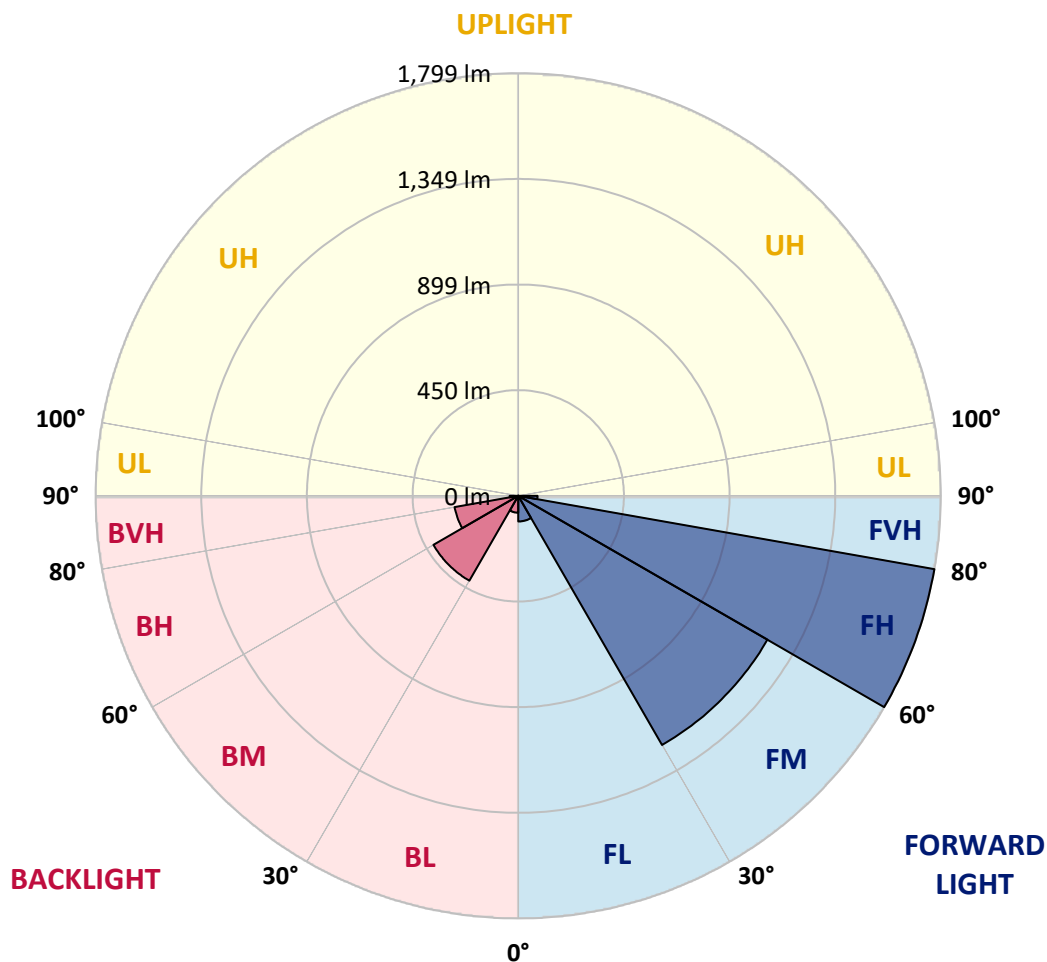


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.1	2.7			
FM (30°-60°)	1224.6	30.5			
FH (60°-80°)	1798.8	44.8			G1/1800
FVH (80°-90°)	81.9	2.0			G1/100
BL (0°-30°)	72.0	1.8	B0/110		
BM (30°-60°)	416.9	10.4	B1/1000		
BH (60°-80°)	275.0	6.8	B1/500		G1/500
BVH (80°-90°)	36.6	0.9			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
7.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
10°	34.4	31.6	27.5	11.0	4.1	1.4	1.4	1.4	1.4	1.4	1.4
12.5°	147.0	147.0	142.9	131.9	30.2	16.5	8.2	2.7	9.6	20.6	26.1
15°	167.7	167.7	162.2	153.9	140.2	116.8	57.7	26.1	114.1	125.1	122.3
17.5°	299.6	276.2	202.0	174.5	156.7	142.9	141.5	130.6	142.9	140.2	137.4
20°	347.7	346.3	333.9	313.3	186.9	228.1	230.9	215.8	164.9	203.4	255.6
22.5°	376.5	371.0	349.1	325.7	343.6	273.5	252.9	237.7	274.8	305.1	298.2
25°	508.5	505.7	487.9	351.8	364.2	347.7	333.9	339.4	349.1	335.3	339.4
27.5°	541.5	534.6	511.2	459.0	397.2	386.2	413.6	371.0	410.9	493.4	483.7
30°	784.7	775.1	652.8	507.1	475.5	439.8	432.9	463.1	498.9	512.6	508.5
32.5°	891.9	880.9	836.9	665.1	512.6	508.5	483.7	503.0	512.6	633.5	673.4
35°	1022.4	1011.4	955.1	755.8	618.4	523.6	529.1	509.8	604.7	648.6	695.4
37.5°	1113.1	1102.1	1069.2	834.2	688.5	584.1	551.1	568.9	615.7	674.8	721.5
40°	1198.3	1191.5	1170.9	933.1	764.1	634.9	589.6	593.7	639.0	714.6	755.8
42.5°	1286.3	1282.2	1271.2	1026.6	832.8	685.8	637.7	623.9	689.9	751.7	806.7
45°	1364.6	1374.2	1368.8	1124.1	907.0	753.1	698.1	672.0	751.7	810.8	886.4
47.5°	1404.5	1404.5	1434.7	1223.1	986.7	836.9	772.3	739.3	832.8	905.6	999.1
50°	1460.8	1466.3	1469.1	1324.8	1095.3	933.1	854.8	821.8	916.6	1041.7	1184.6
52.5°	1609.2	1660.1	1541.9	1423.7	1231.3	1055.4	944.1	908.4	1026.6	1209.3	1422.3
55°	1661.5	1672.5	1639.5	1557.0	1346.8	1173.6	1043.1	1011.4	1197.0	1404.5	1684.8
57.5°	1706.8	1693.1	1735.7	1701.3	1497.9	1300.0	1162.6	1144.7	1379.7	1620.2	1950.1
60°	1750.8	1756.3	1816.8	1867.6	1636.7	1456.7	1294.5	1337.1	1565.3	1845.6	2201.5
62.5°	1789.3	1803.0	1908.8	1965.2	1759.0	1623.0	1469.1	1584.5	1772.8	2068.2	2407.7
65°	1756.3	1775.5	1992.7	2028.4	1925.3	1825.0	1669.7	1831.9	2027.0	2259.3	2538.2
67.5°	1706.8	1724.7	1978.9	2132.8	2116.3	2087.5	1915.7	2068.2	2292.2	2453.0	2531.4
70°	1554.3	1576.3	1838.7	2169.9	2356.8	2433.8	2248.3	2286.7	2492.9	2528.6	2274.4
72.5°	1154.4	1155.7	1408.6	1941.8	2428.3	2734.8	2590.5	2466.8	2527.2	2393.9	1778.3
75°	547.0	540.1	725.6	1234.1	2032.5	2579.5	2580.8	2417.3	2281.3	1962.4	1144.7
77.5°	160.8	163.5	229.5	509.8	1302.8	1950.1	2073.7	1981.7	1738.4	1099.4	503.0
80°	81.1	88.0	114.1	177.3	567.6	1137.9	1295.9	1279.4	986.7	366.9	173.2
82.5°	39.9	41.2	61.8	96.2	247.4	529.1	677.5	593.7	314.7	175.9	88.0
85°	11.0	9.6	17.9	33.0	77.0	112.7	136.1	111.3	94.8	74.2	35.7
87.5°	0.0	1.4	1.4	2.7	2.7	4.1	4.1	4.1	4.1	4.1	4.1
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
7.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
10°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
12.5°	26.1	23.4	17.9	9.6	2.7	1.4	1.4	1.4	1.4	2.7	2.7
15°	119.6	118.2	116.8	107.2	23.4	4.1	2.7	12.4	42.6	64.6	78.3
17.5°	136.1	134.7	133.3	130.6	120.9	30.2	39.9	108.6	130.6	131.9	133.3
20°	251.5	246.0	185.5	144.3	133.3	120.9	115.4	133.3	138.8	142.9	144.3
22.5°	292.7	287.2	274.8	255.6	153.9	186.9	174.5	145.7	228.1	246.0	248.7
25°	332.6	325.7	296.8	273.5	261.1	199.3	221.3	235.0	258.4	263.9	266.6
27.5°	476.9	459.0	423.3	303.7	284.5	240.5	258.4	248.7	296.8	346.3	350.4
30°	507.1	489.2	439.8	364.2	301.0	277.6	258.4	324.3	358.7	369.7	375.2
32.5°	676.1	658.3	568.9	366.9	320.2	273.5	302.3	331.2	355.9	430.1	437.0
35°	702.2	680.3	577.2	424.6	309.2	284.5	299.6	343.6	409.5	434.3	438.4
37.5°	731.1	706.4	568.9	398.5	328.4	285.8	292.7	338.1	376.5	387.5	393.0
40°	775.1	738.0	555.2	369.7	309.2	269.4	284.5	310.6	332.6	328.4	332.6
42.5°	834.2	776.5	533.2	336.7	285.8	247.4	263.9	280.3	294.1	281.7	279.0
45°	908.4	831.4	508.5	307.8	261.1	228.1	243.2	257.0	266.6	244.6	241.9
47.5°	1015.6	894.6	478.2	277.6	240.5	213.0	226.8	236.4	241.9	221.3	217.1
50°	1161.2	978.5	443.9	252.9	222.6	199.3	215.8	221.3	217.1	202.0	199.3
52.5°	1344.0	1106.3	409.5	233.6	207.5	189.6	204.8	203.4	199.3	188.3	186.9
55°	1572.1	1276.7	380.7	219.9	195.1	180.0	191.0	191.0	189.6	180.0	180.0
57.5°	1811.3	1437.5	346.3	207.5	181.4	166.3	180.0	182.8	181.4	174.5	173.2
60°	2010.5	1569.4	295.5	196.5	166.3	155.3	170.4	175.9	174.5	167.7	166.3
62.5°	2124.6	1590.0	243.2	181.4	153.9	145.7	164.9	173.2	182.8	186.9	186.9
65°	2148.0	1506.2	208.9	170.4	145.7	142.9	170.4	195.1	203.4	208.9	211.6
67.5°	2053.1	1331.6	188.3	163.5	140.2	148.4	193.8	207.5	199.3	196.5	196.5
70°	1790.6	1104.9	173.2	155.3	133.3	155.3	202.0	197.9	186.9	189.6	188.3
72.5°	1355.0	841.0	162.2	147.0	126.4	144.3	199.3	189.6	175.9	173.2	167.7
75°	820.4	493.4	149.8	137.4	109.9	127.8	191.0	181.4	167.7	162.2	158.0
77.5°	317.5	228.1	136.1	126.4	94.8	112.7	177.3	173.2	159.4	148.4	147.0
80°	134.7	120.9	116.8	111.3	81.1	97.6	159.4	160.8	140.2	126.4	122.3
82.5°	75.6	74.2	90.7	90.7	67.3	86.6	144.3	144.3	123.7	115.4	105.8
85°	24.7	28.9	48.1	55.0	49.5	81.1	140.2	133.3	107.2	89.3	85.2
87.5°	2.7	2.7	5.5	11.0	12.4	20.6	39.9	46.7	33.0	27.5	27.5
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)