

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: P695325

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5031 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

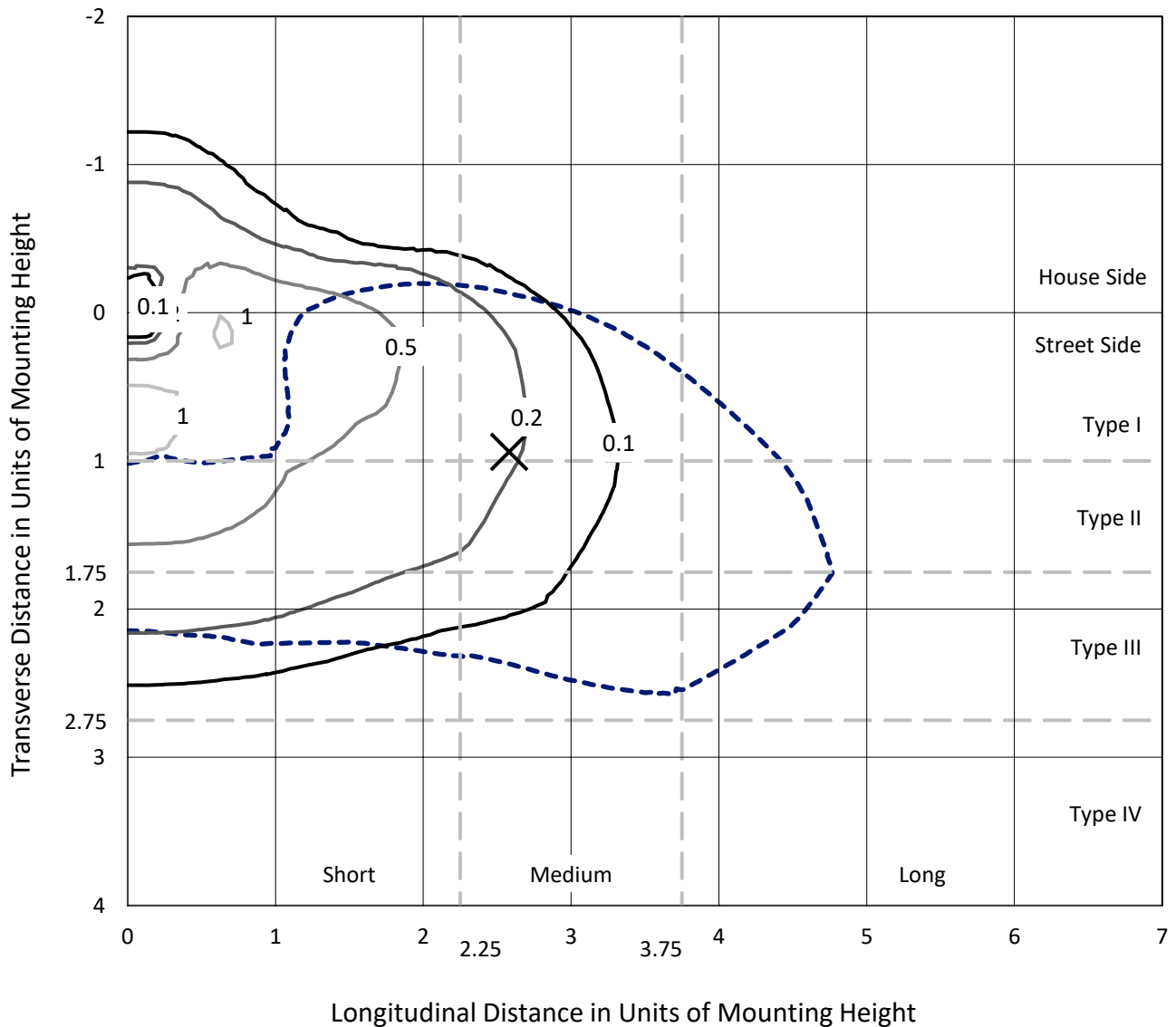
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

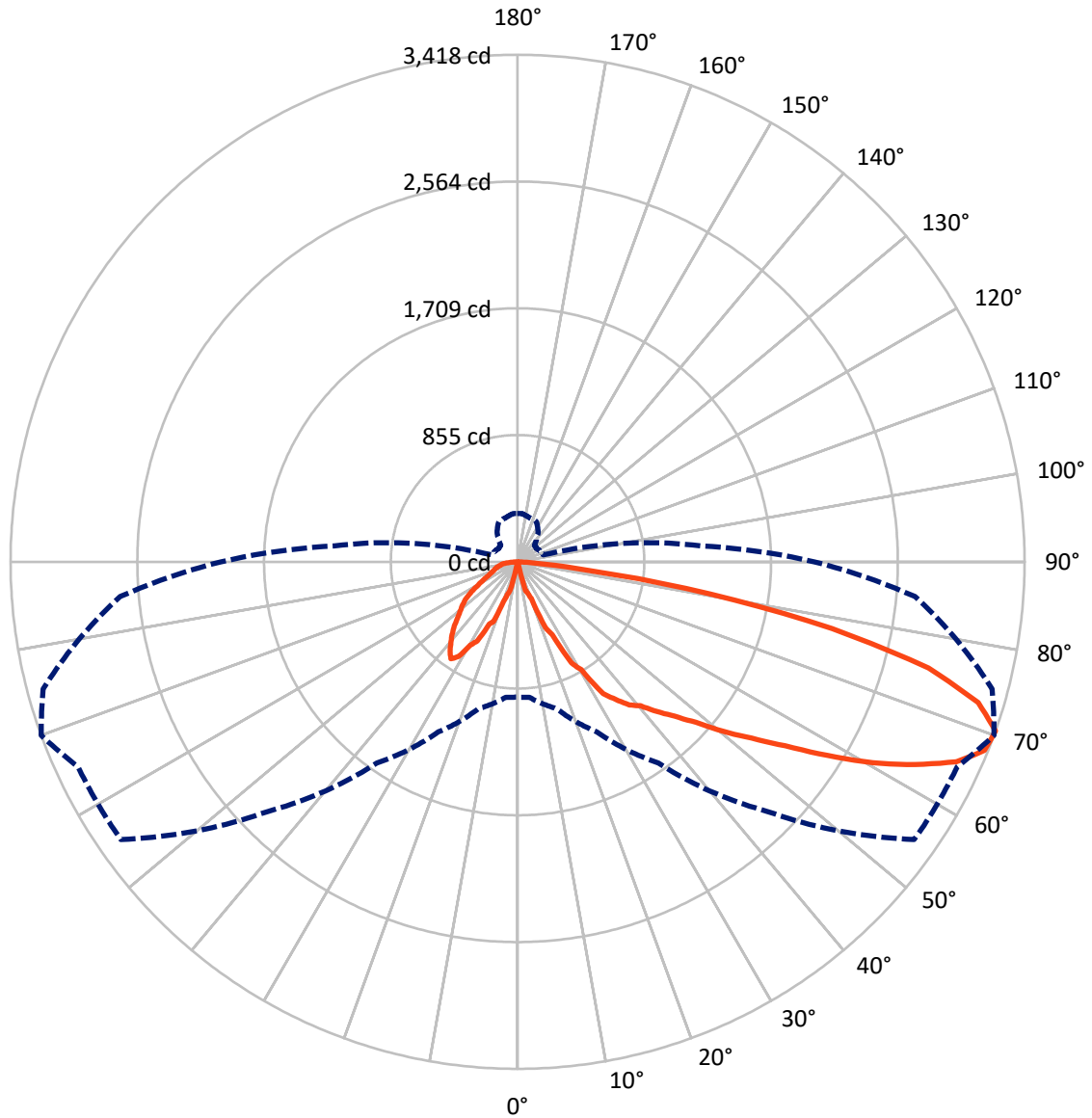
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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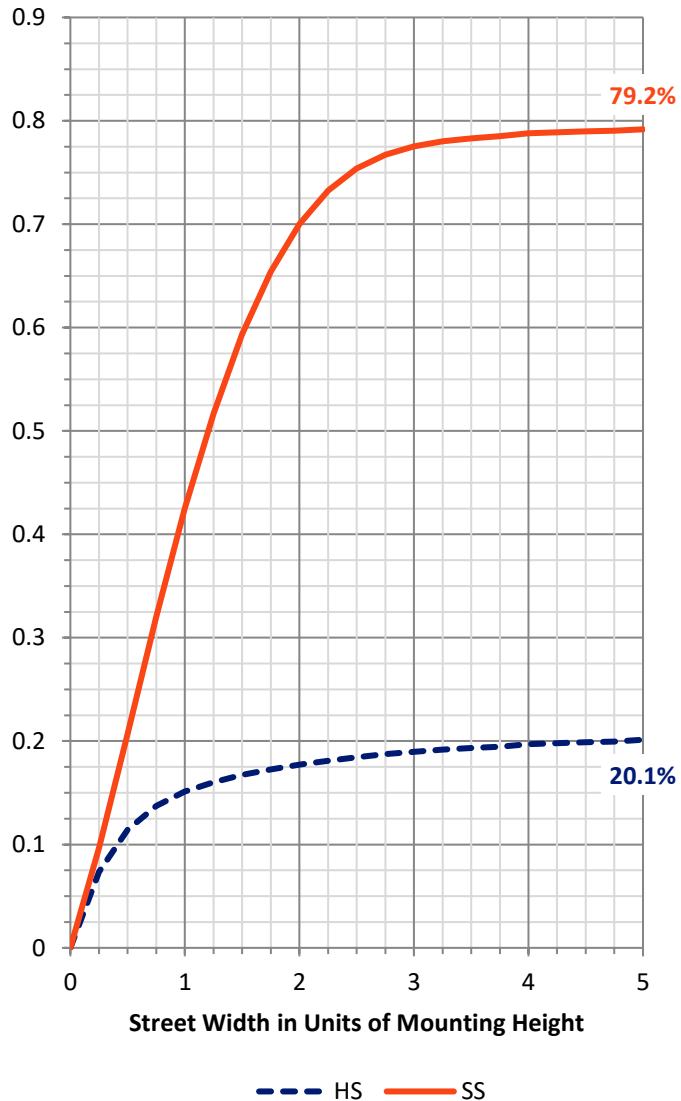
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.8	0.0	1036.8
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	3994.2	0.0	3994.2
	% Fixture	79.4	0.0	79.4
Total	Lumens	5031.0	0.0	5031.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	42.6	0.8
20°-30°	240.7	4.8
30°-40°	535.3	10.6
40°-50°	765.5	15.2
50°-60°	1112.4	22.1
60°-70°	1396.2	27.8
70°-80°	829.2	16.5
80°-90°	109.0	2.2
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°	5031.0	100.0
0°-180°	5031.0	100.0

Coefficient of Utilization

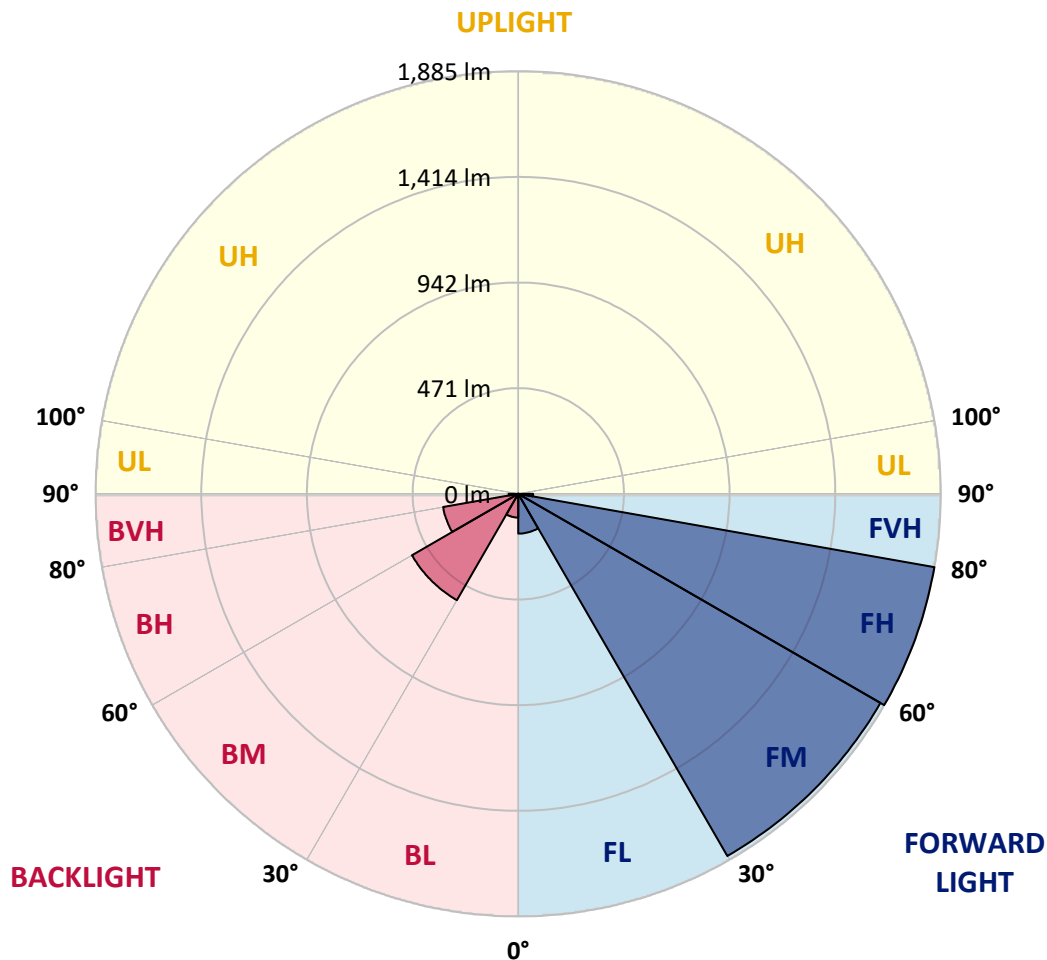


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.5	3.5			
FM (30°-60°)	1865.5	37.1			
FH (60°-80°)	1885.0	37.5			G2/5000
FVH (80°-90°)	66.2	1.3			G1/100
BL (0°-30°)	105.9	2.1	B0/110		
BM (30°-60°)	547.7	10.9	B1/1000		
BH (60°-80°)	340.3	6.8	B1/500		G1/500
BVH (80°-90°)	42.8	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-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
5°	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
7.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
10°	22.5	24.2	15.6	8.6	3.5	1.7	1.7	1.7	1.7	1.7	1.7
12.5°	200.7	200.7	198.9	128.0	39.8	8.6	3.5	10.4	19.0	20.8	31.1
15°	223.2	223.2	223.2	219.7	209.3	72.7	32.9	183.4	200.7	205.9	205.9
17.5°	294.1	299.3	271.6	243.9	231.8	202.4	195.5	219.7	223.2	226.6	228.4
20°	500.0	500.0	500.0	446.3	275.1	354.6	325.2	250.8	263.0	314.9	434.2
22.5°	557.0	555.3	543.2	525.9	564.0	394.4	370.2	437.7	482.7	498.2	491.3
25°	852.9	851.1	806.2	595.1	621.1	532.8	557.0	555.3	544.9	550.1	543.2
27.5°	925.5	922.1	918.6	837.3	686.8	719.7	647.0	723.1	771.6	807.9	785.4
30°	1300.9	1226.5	1077.8	949.7	877.1	771.6	832.1	877.1	844.2	859.8	823.5
32.5°	1375.3	1382.2	1375.3	1197.1	975.7	878.8	934.2	930.7	1060.5	1105.4	1093.3
35°	1449.7	1444.5	1434.1	1275.0	1134.9	1013.8	984.3	1140.0	1140.0	1166.0	1129.7
37.5°	1508.5	1506.8	1493.0	1318.2	1214.4	1062.2	1114.1	1223.1	1224.8	1250.8	1171.2
40°	1558.7	1560.4	1555.2	1364.9	1278.4	1114.1	1174.6	1304.4	1276.7	1314.8	1240.4
42.5°	1601.9	1607.1	1615.8	1434.1	1333.8	1166.0	1231.7	1363.2	1380.5	1425.5	1340.7
45°	1681.5	1691.9	1704.0	1543.1	1408.2	1235.2	1309.6	1480.8	1484.3	1551.8	1479.1
47.5°	1781.9	1788.8	1814.7	1660.8	1518.9	1335.5	1389.2	1567.3	1617.5	1702.3	1645.2
50°	1868.4	1882.2	1916.8	1804.3	1671.1	1482.6	1501.6	1695.4	1795.7	1871.8	1819.9
52.5°	1934.1	1946.2	1998.1	1925.4	1832.0	1640.0	1643.5	1873.5	1975.6	2081.1	2050.0
55°	1987.7	2001.6	2050.0	2039.6	1979.1	1769.7	1838.9	2044.8	2188.4	2313.0	2278.4
57.5°	1996.4	1994.6	2086.3	2117.5	2081.1	1941.0	2086.3	2231.6	2461.7	2560.3	2562.1
60°	1956.6	1965.2	2074.2	2169.4	2172.8	2117.5	2356.2	2480.8	2750.6	2816.4	2837.1
62.5°	1871.8	1890.8	2011.9	2169.4	2247.2	2293.9	2619.2	2761.0	3010.1	3044.7	3022.2
65°	1710.9	1717.8	1837.2	2069.0	2254.1	2454.8	2890.8	3004.9	3250.6	3216.0	3063.8
67.5°	1382.2	1403.0	1513.7	1781.9	2089.8	2525.7	3138.1	3188.3	3394.2	3321.5	2961.7
70°	911.7	916.9	1025.9	1264.6	1655.6	2378.7	3264.4	3269.6	3418.4	3311.1	2690.1
72.5°	396.2	365.0	468.8	660.8	1015.5	1854.5	3110.5	3184.9	3247.1	3115.7	2228.2
75°	171.3	174.7	202.4	273.3	470.5	1048.4	2588.0	2776.6	2861.3	2653.8	1624.4
77.5°	128.0	128.0	147.0	166.1	219.7	396.2	1686.7	2067.3	2167.6	1922.0	1010.3
80°	93.4	96.9	110.7	121.1	141.9	160.9	840.8	1252.5	1316.5	1001.6	444.6
82.5°	70.9	70.9	79.6	86.5	96.9	96.9	285.4	538.0	487.8	340.8	154.0
85°	31.1	25.9	41.5	39.8	43.2	34.6	76.1	98.6	98.6	77.8	34.6
87.5°	0.0	1.7	1.7	1.7	3.5	3.5	6.9	5.2	6.9	6.9	5.2
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: P695325
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	1.7	1.7	1.7	1.7
7.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7
10°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	1.7	1.7	1.7	1.7
12.5°	27.7	32.9	20.8	10.4	1.7	0.0	0.0	1.7	1.7	3.5	3.5
15°	209.3	207.6	207.6	190.3	32.9	5.2	3.5	17.3	58.8	124.6	122.8
17.5°	228.4	228.4	228.4	219.7	198.9	55.4	55.4	183.4	198.9	200.7	202.4
20°	432.5	427.3	330.4	237.0	209.3	198.9	181.6	200.7	204.1	205.9	209.3
22.5°	486.1	480.9	458.4	411.7	235.3	288.9	261.2	214.5	320.0	335.6	339.1
25°	539.7	525.9	491.3	430.8	394.4	292.4	306.2	306.2	320.0	318.3	320.0
27.5°	769.8	754.3	707.6	489.6	427.3	342.5	339.1	299.3	321.8	366.8	370.2
30°	806.2	787.1	723.1	564.0	449.8	373.7	316.6	356.4	373.7	368.5	370.2
32.5°	1063.9	1041.4	939.4	567.4	453.2	344.3	351.2	356.4	363.3	396.2	399.6
35°	1096.8	1076.0	937.6	650.5	418.6	342.5	339.1	363.3	403.1	408.3	410.0
37.5°	1143.5	1122.7	918.6	593.4	416.9	339.1	330.4	358.1	371.9	366.8	363.3
40°	1211.0	1179.8	882.3	531.1	378.9	321.8	321.8	328.7	339.1	320.0	314.9
42.5°	1311.3	1247.3	842.5	475.7	347.7	299.3	299.3	301.0	294.1	276.8	276.8
45°	1420.3	1304.4	790.6	425.6	316.6	275.1	276.8	264.7	271.6	257.8	257.8
47.5°	1548.3	1373.6	726.6	377.1	288.9	252.6	249.1	250.8	259.5	249.1	249.1
50°	1695.4	1456.6	678.1	333.9	264.7	230.1	238.7	243.9	254.3	245.7	243.9
52.5°	1870.1	1544.9	640.1	299.3	243.9	211.1	231.8	238.7	250.8	245.7	243.9
55°	2074.2	1655.6	579.5	271.6	224.9	200.7	226.6	238.7	252.6	249.1	247.4
57.5°	2264.5	1750.7	494.8	243.9	211.1	193.8	224.9	238.7	256.0	252.6	250.8
60°	2435.8	1840.7	391.0	223.2	198.9	185.1	219.7	238.7	257.8	259.5	257.8
62.5°	2522.3	1845.9	316.6	207.6	186.8	176.5	214.5	237.0	256.0	266.4	266.4
65°	2480.8	1742.1	252.6	192.0	176.5	166.1	209.3	242.2	271.6	288.9	288.9
67.5°	2311.2	1532.7	209.3	179.9	164.3	157.4	216.2	273.3	301.0	318.3	318.3
70°	2001.6	1238.6	179.9	169.5	155.7	160.9	240.5	299.3	307.9	327.0	325.2
72.5°	1588.1	925.5	160.9	159.2	150.5	169.5	256.0	288.9	288.9	295.8	288.9
75°	1117.6	588.2	145.3	148.8	138.4	155.7	242.2	269.9	257.8	254.3	252.6
77.5°	636.6	318.3	128.0	134.9	124.6	134.9	211.1	240.5	228.4	219.7	216.2
80°	273.3	162.6	110.7	121.1	109.0	114.2	176.5	207.6	198.9	188.6	185.1
82.5°	109.0	84.8	93.4	107.3	91.7	96.9	150.5	176.5	169.5	159.2	148.8
85°	31.1	32.9	57.1	76.1	69.2	76.1	121.1	140.1	129.7	102.1	98.6
87.5°	3.5	5.2	12.1	15.6	17.3	13.8	27.7	38.1	34.6	25.9	20.8
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)