

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: P695085

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695085
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-PA16-40-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4340 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

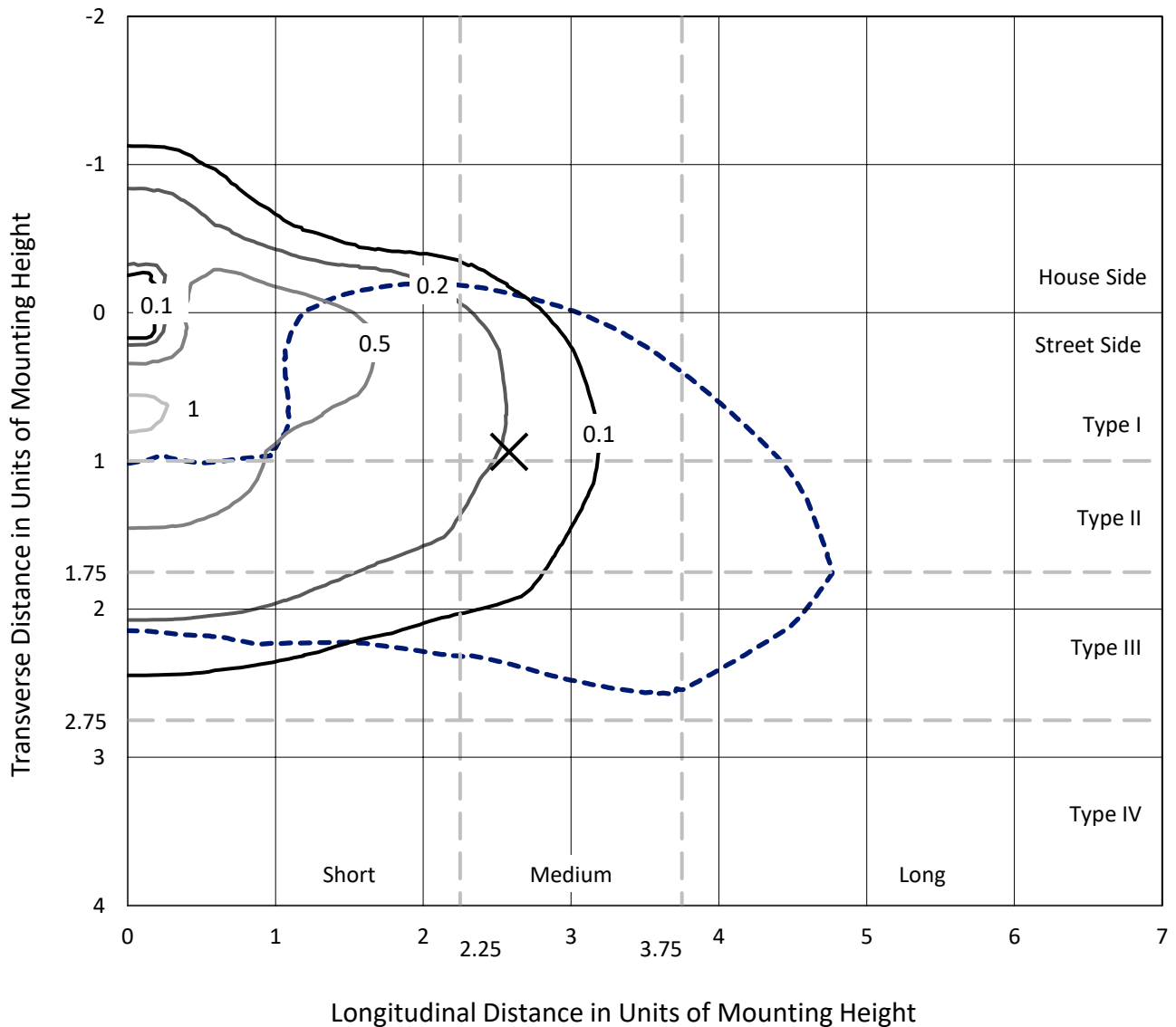
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

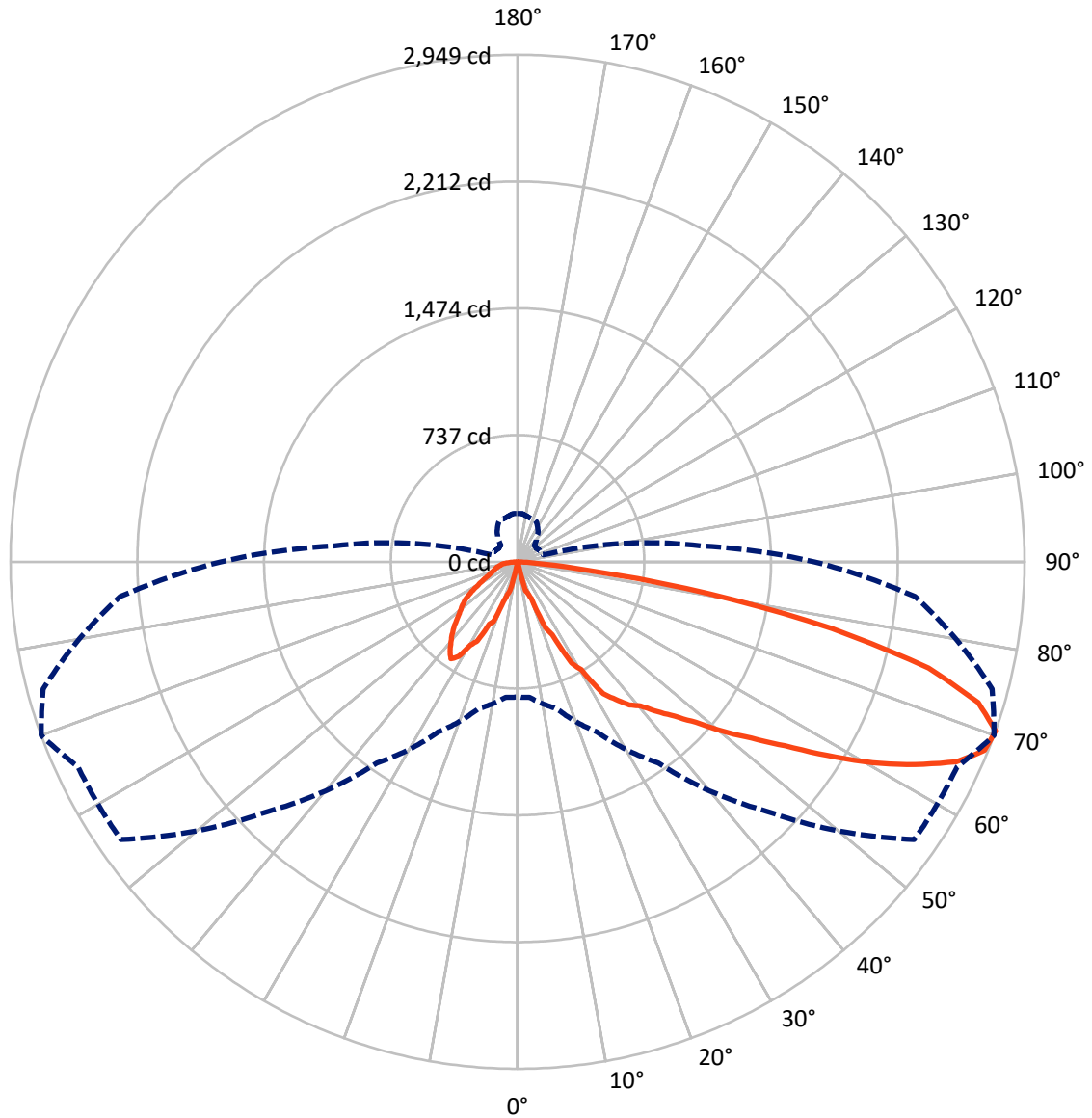
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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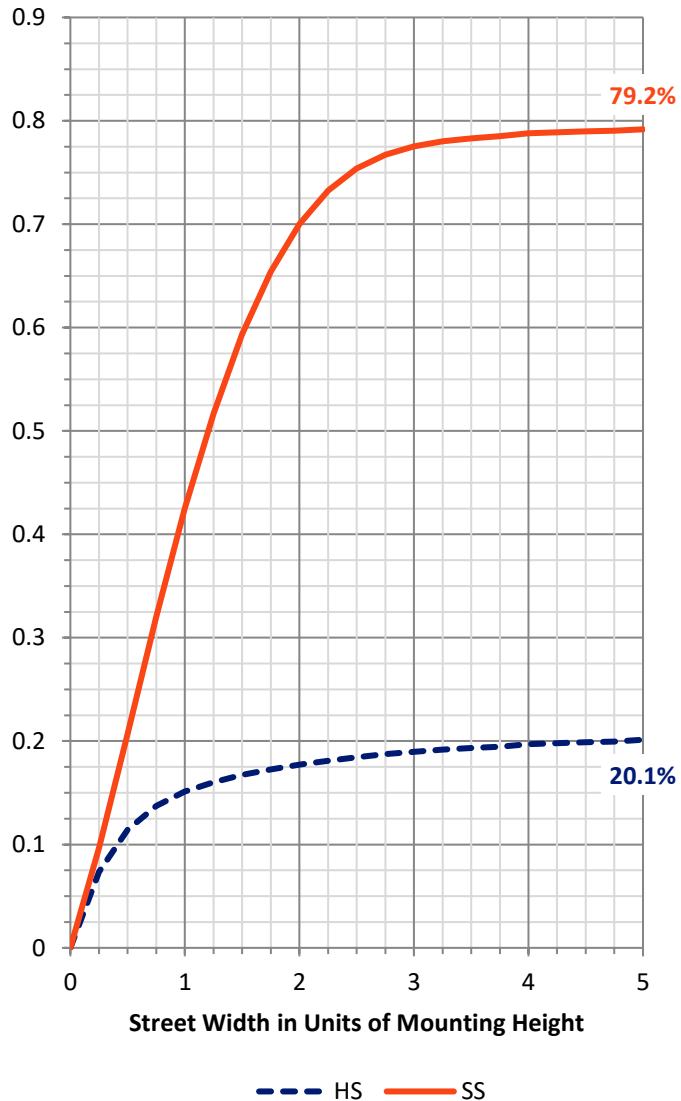
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	894.4	0.0	894.4
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	3445.6	0.0	3445.6
	% Fixture	79.4	0.0	79.4
Total	Lumens	4340.0	0.0	4340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	36.7	0.8
20°-30°	207.6	4.8
30°-40°	461.7	10.6
40°-50°	660.4	15.2
50°-60°	959.6	22.1
60°-70°	1204.4	27.8
70°-80°	715.3	16.5
80°-90°	94.0	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°	4340.0	100.0
0°-180°	4340.0	100.0

Coefficient of Utilization



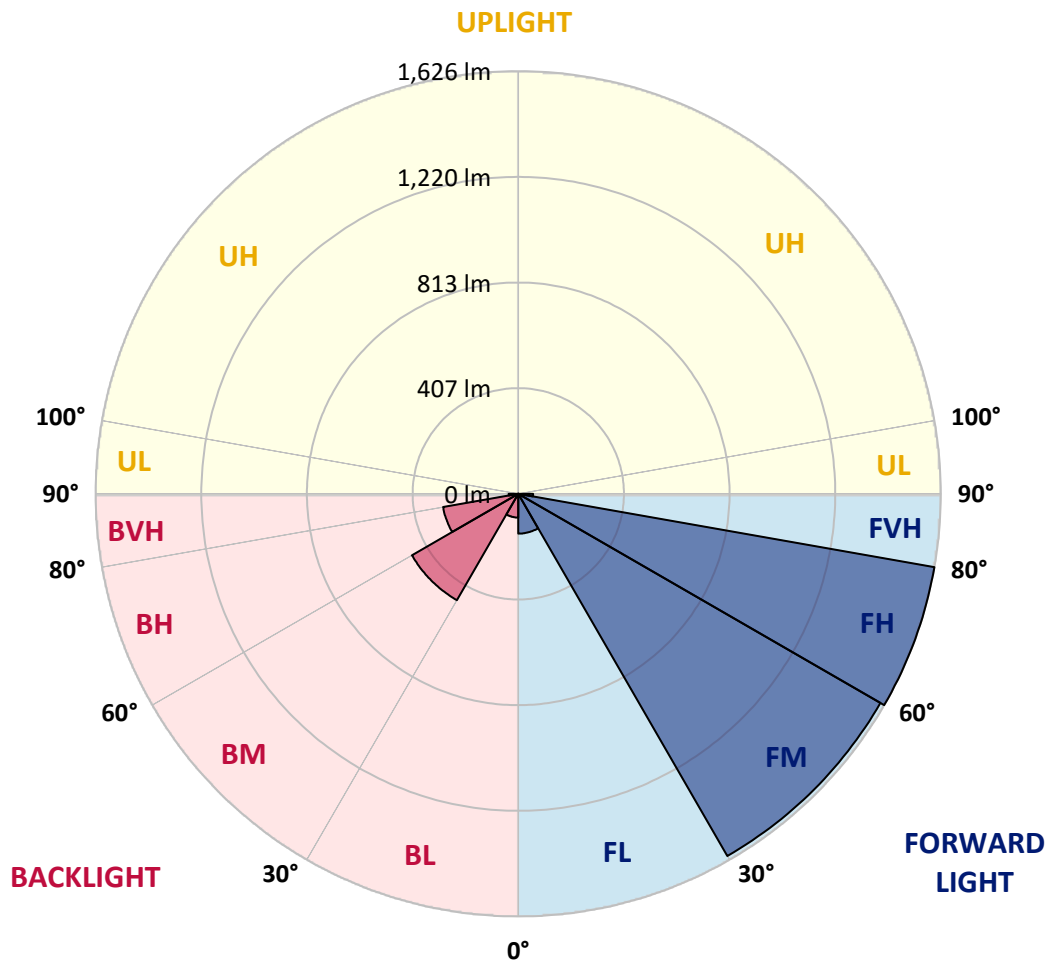
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.1	3.5			
FM (30°-60°)	1609.3	37.1			
FH (60°-80°)	1626.1	37.5			G1/1800
FVH (80°-90°)	57.1	1.3			G1/100
BL (0°-30°)	91.4	2.1	B0/110		
BM (30°-60°)	472.5	10.9	B1/1000		
BH (60°-80°)	293.6	6.8	B1/500		G1/500
BVH (80°-90°)	36.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10°	19.4	20.9	13.4	7.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
12.5°	173.1	173.1	171.6	110.4	34.3	7.5	3.0	9.0	16.4	17.9	26.9
15°	192.5	192.5	192.5	189.5	180.6	62.7	28.4	158.2	173.1	177.6	177.6
17.5°	253.7	258.2	234.3	210.4	200.0	174.6	168.6	189.5	192.5	195.5	197.0
20°	431.3	431.3	431.3	385.0	237.3	305.9	280.6	216.4	226.8	271.6	374.6
22.5°	480.5	479.0	468.6	453.7	486.5	340.3	319.4	377.6	416.4	429.8	423.8
25°	735.7	734.2	695.4	513.4	535.8	459.6	480.5	479.0	470.1	474.6	468.6
27.5°	798.4	795.4	792.4	722.3	592.5	620.8	558.1	623.8	665.6	696.9	677.5
30°	1122.2	1058.1	929.7	819.3	756.6	665.6	717.8	756.6	728.3	741.7	710.4
32.5°	1186.4	1192.4	1186.4	1032.7	841.7	758.1	805.9	802.9	914.8	953.6	943.2
35°	1250.6	1246.1	1237.2	1099.9	979.0	874.5	849.1	983.5	983.5	1005.8	974.5
37.5°	1301.3	1299.8	1287.9	1137.2	1047.6	916.3	961.1	1055.1	1056.6	1079.0	1010.3
40°	1344.6	1346.1	1341.6	1177.5	1102.8	961.1	1013.3	1125.2	1101.4	1134.2	1070.0
42.5°	1381.9	1386.4	1393.9	1237.2	1150.6	1005.8	1062.6	1176.0	1190.9	1229.7	1156.6
45°	1450.6	1459.5	1470.0	1331.2	1214.8	1065.5	1129.7	1277.5	1280.4	1338.6	1276.0
47.5°	1537.1	1543.1	1565.5	1432.7	1310.3	1152.1	1198.4	1352.1	1395.3	1468.5	1419.2
50°	1611.7	1623.7	1653.5	1556.5	1441.6	1278.9	1295.4	1462.5	1549.1	1614.7	1570.0
52.5°	1668.4	1678.9	1723.7	1661.0	1580.4	1414.7	1417.7	1616.2	1704.3	1795.3	1768.4
55°	1714.7	1726.6	1768.4	1759.5	1707.2	1526.7	1586.4	1764.0	1887.8	1995.3	1965.4
57.5°	1722.2	1720.7	1799.8	1826.6	1795.3	1674.4	1799.8	1925.1	2123.6	2208.7	2210.2
60°	1687.8	1695.3	1789.3	1871.4	1874.4	1826.6	2032.6	2140.0	2372.8	2429.5	2447.5
62.5°	1614.7	1631.1	1735.6	1871.4	1938.6	1978.9	2259.4	2381.8	2596.7	2626.5	2607.1
65°	1475.9	1481.9	1584.9	1784.9	1944.5	2117.6	2493.7	2592.2	2804.1	2774.3	2643.0
67.5°	1192.4	1210.3	1305.8	1537.1	1802.8	2178.8	2707.1	2750.4	2928.0	2865.3	2554.9
70°	786.5	790.9	885.0	1090.9	1428.2	2052.0	2816.1	2820.5	2948.9	2856.4	2320.6
72.5°	341.7	314.9	404.4	570.1	876.0	1599.8	2683.2	2747.4	2801.1	2687.7	1922.1
75°	147.7	150.7	174.6	235.8	405.9	904.4	2232.6	2395.2	2468.3	2289.3	1401.3
77.5°	110.4	110.4	126.8	143.3	189.5	341.7	1455.0	1783.4	1869.9	1658.0	871.5
80°	80.6	83.6	95.5	104.5	122.4	138.8	725.3	1080.5	1135.7	864.1	383.5
82.5°	61.2	61.2	68.6	74.6	83.6	83.6	246.2	464.1	420.8	294.0	132.8
85°	26.9	22.4	35.8	34.3	37.3	29.8	65.7	85.1	85.1	67.2	29.8
87.5°	0.0	1.5	1.5	1.5	3.0	3.0	6.0	4.5	6.0	6.0	4.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
7.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5
10°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5
12.5°	23.9	28.4	17.9	9.0	1.5	0.0	0.0	1.5	1.5	3.0	3.0
15°	180.6	179.1	179.1	164.2	28.4	4.5	3.0	14.9	50.7	107.4	106.0
17.5°	197.0	197.0	197.0	189.5	171.6	47.8	47.8	158.2	171.6	173.1	174.6
20°	373.1	368.6	285.0	204.5	180.6	171.6	156.7	173.1	176.1	177.6	180.6
22.5°	419.4	414.9	395.5	355.2	203.0	249.2	225.3	185.1	276.1	289.5	292.5
25°	465.6	453.7	423.8	371.6	340.3	252.2	264.1	264.1	276.1	274.6	276.1
27.5°	664.1	650.7	610.4	422.3	368.6	295.5	292.5	258.2	277.6	316.4	319.4
30°	695.4	679.0	623.8	486.5	388.0	322.3	273.1	307.4	322.3	317.9	319.4
32.5°	917.8	898.4	810.3	489.5	391.0	297.0	302.9	307.4	313.4	341.7	344.7
35°	946.2	928.2	808.9	561.1	361.1	295.5	292.5	313.4	347.7	352.2	353.7
37.5°	986.4	968.5	792.4	511.9	359.7	292.5	285.0	308.9	320.9	316.4	313.4
40°	1044.6	1017.8	761.1	458.2	326.8	277.6	277.6	283.5	292.5	276.1	271.6
42.5°	1131.2	1076.0	726.8	410.4	300.0	258.2	258.2	259.7	253.7	238.8	238.8
45°	1225.2	1125.2	682.0	367.1	273.1	237.3	238.8	228.3	234.3	222.4	222.4
47.5°	1335.7	1184.9	626.8	325.3	249.2	217.9	214.9	216.4	223.9	214.9	214.9
50°	1462.5	1256.6	585.0	288.0	228.3	198.5	205.9	210.4	219.4	211.9	210.4
52.5°	1613.2	1332.7	552.2	258.2	210.4	182.1	200.0	205.9	216.4	211.9	210.4
55°	1789.3	1428.2	499.9	234.3	194.0	173.1	195.5	205.9	217.9	214.9	213.4
57.5°	1953.5	1510.3	426.8	210.4	182.1	167.1	194.0	205.9	220.9	217.9	216.4
60°	2101.2	1587.9	337.3	192.5	171.6	159.7	189.5	205.9	222.4	223.9	222.4
62.5°	2175.8	1592.3	273.1	179.1	161.2	152.2	185.1	204.5	220.9	229.8	229.8
65°	2140.0	1502.8	217.9	165.7	152.2	143.3	180.6	208.9	234.3	249.2	249.2
67.5°	1993.8	1322.2	180.6	155.2	141.8	135.8	186.5	235.8	259.7	274.6	274.6
70°	1726.6	1068.5	155.2	146.3	134.3	138.8	207.4	258.2	265.6	282.1	280.6
72.5°	1370.0	798.4	138.8	137.3	129.8	146.3	220.9	249.2	249.2	255.2	249.2
75°	964.1	507.4	125.4	128.3	119.4	134.3	208.9	232.8	222.4	219.4	217.9
77.5°	549.2	274.6	110.4	116.4	107.4	116.4	182.1	207.4	197.0	189.5	186.5
80°	235.8	140.3	95.5	104.5	94.0	98.5	152.2	179.1	171.6	162.7	159.7
82.5°	94.0	73.1	80.6	92.5	79.1	83.6	129.8	152.2	146.3	137.3	128.3
85°	26.9	28.4	49.2	65.7	59.7	65.7	104.5	120.9	111.9	88.0	85.1
87.5°	3.0	4.5	10.4	13.4	14.9	11.9	23.9	32.8	29.8	22.4	17.9
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)