

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: P695055

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695055
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-PA16-40-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3996 lumens
Efficiency: N/A
Efficacy: 99.4 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

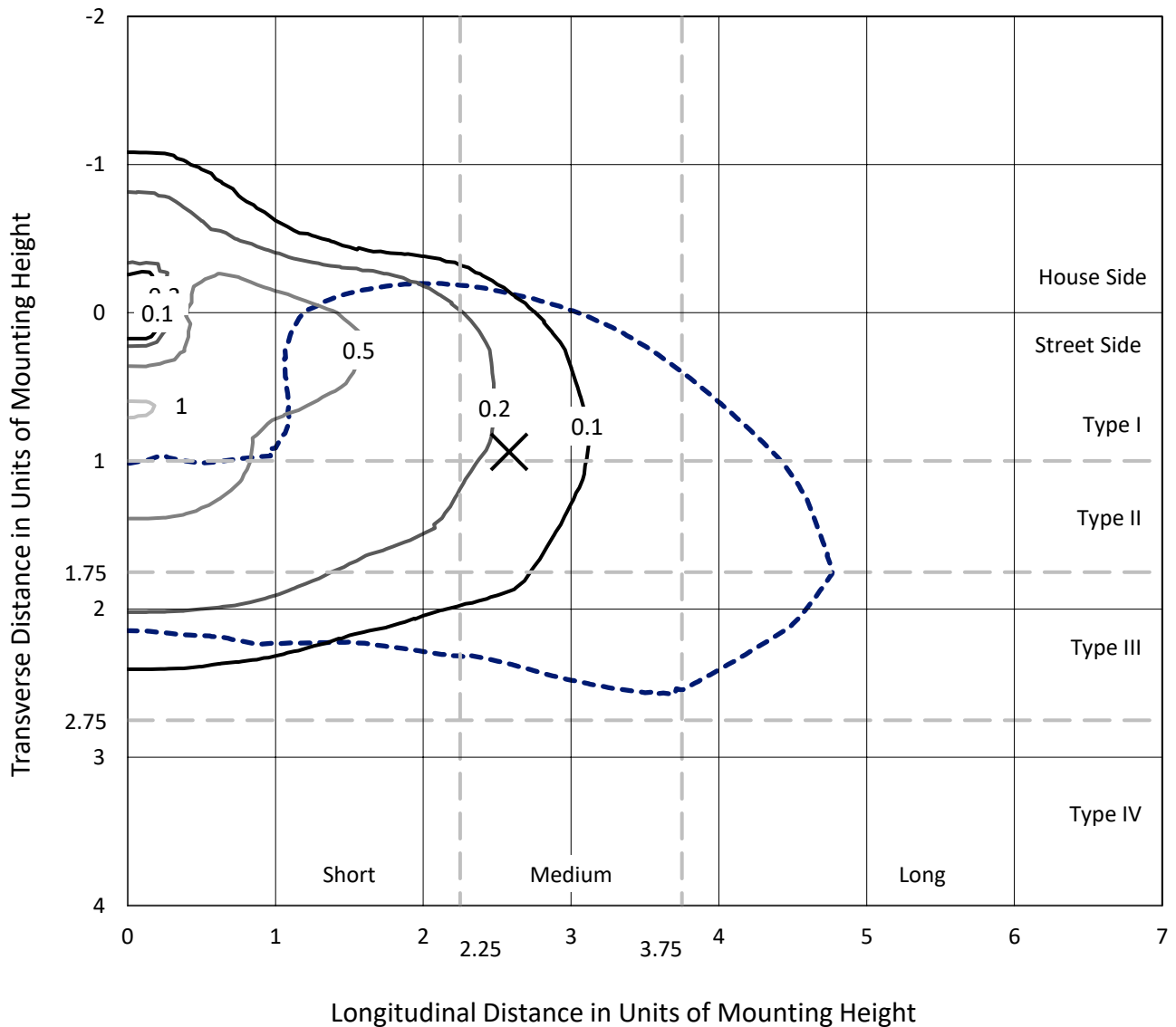
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

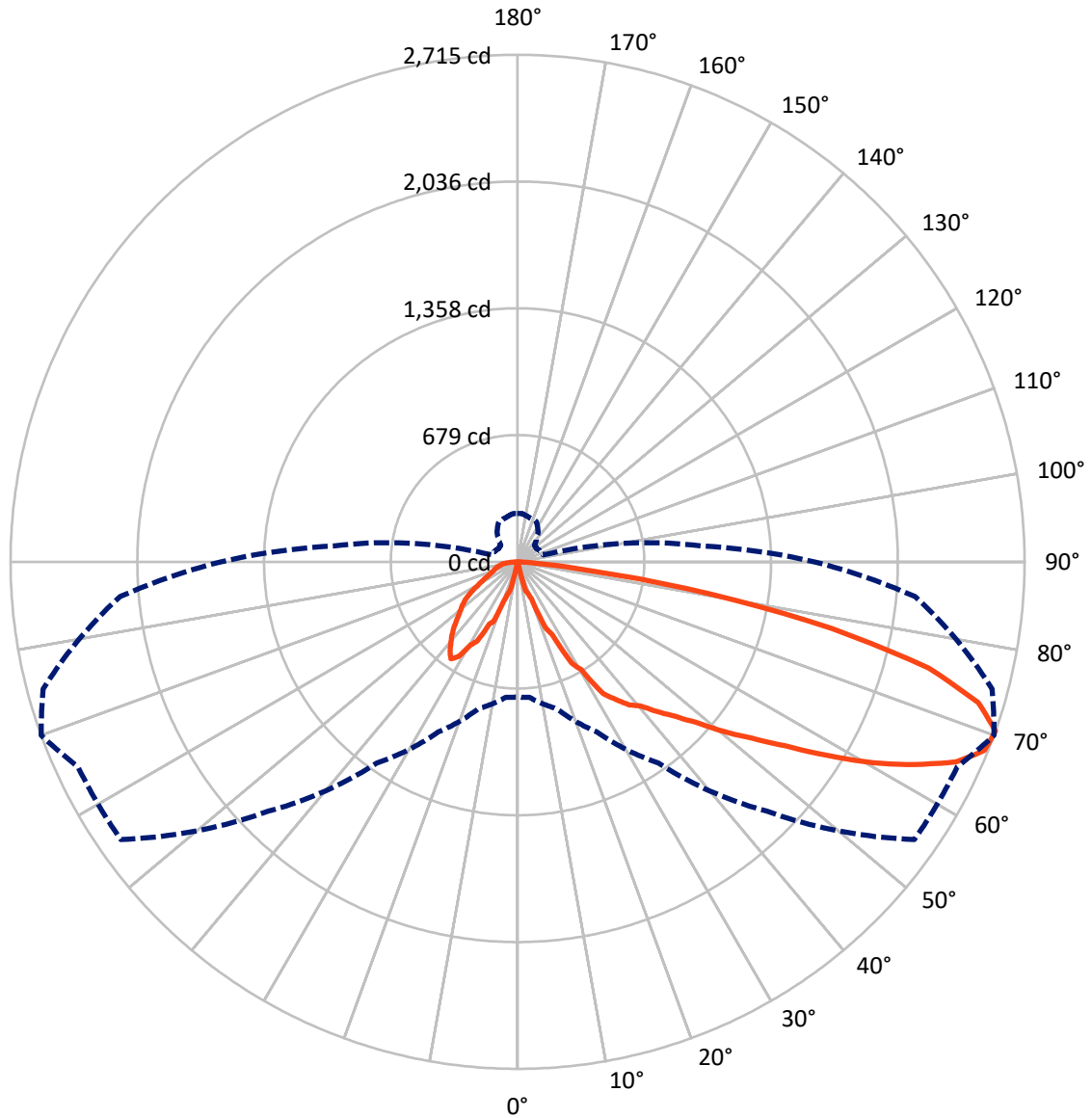
✕ Max cd
 - - - 1/2 Max cd



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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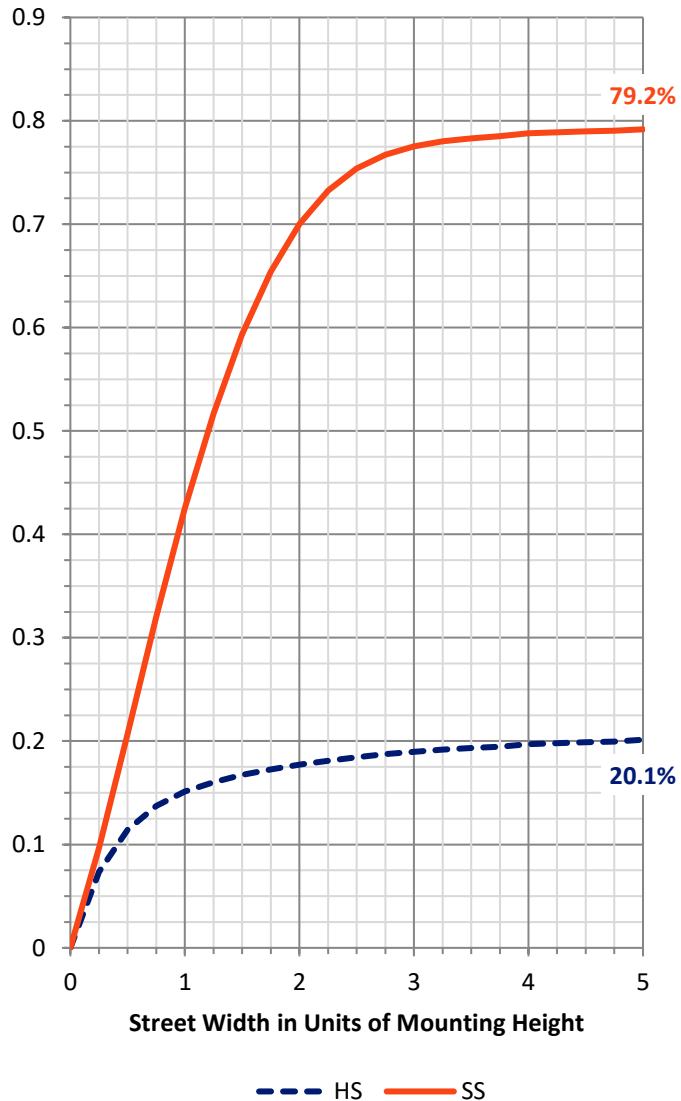
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.5	0.0	823.5
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	3172.5	0.0	3172.5
	% Fixture	79.4	0.0	79.4
Total	Lumens	3996.0	0.0	3996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	33.8	0.8
20°-30°	191.1	4.8
30°-40°	425.1	10.6
40°-50°	608.0	15.2
50°-60°	883.6	22.1
60°-70°	1108.9	27.8
70°-80°	658.6	16.5
80°-90°	86.6	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°	3996.0	100.0
0°-180°	3996.0	100.0

Coefficient of Utilization

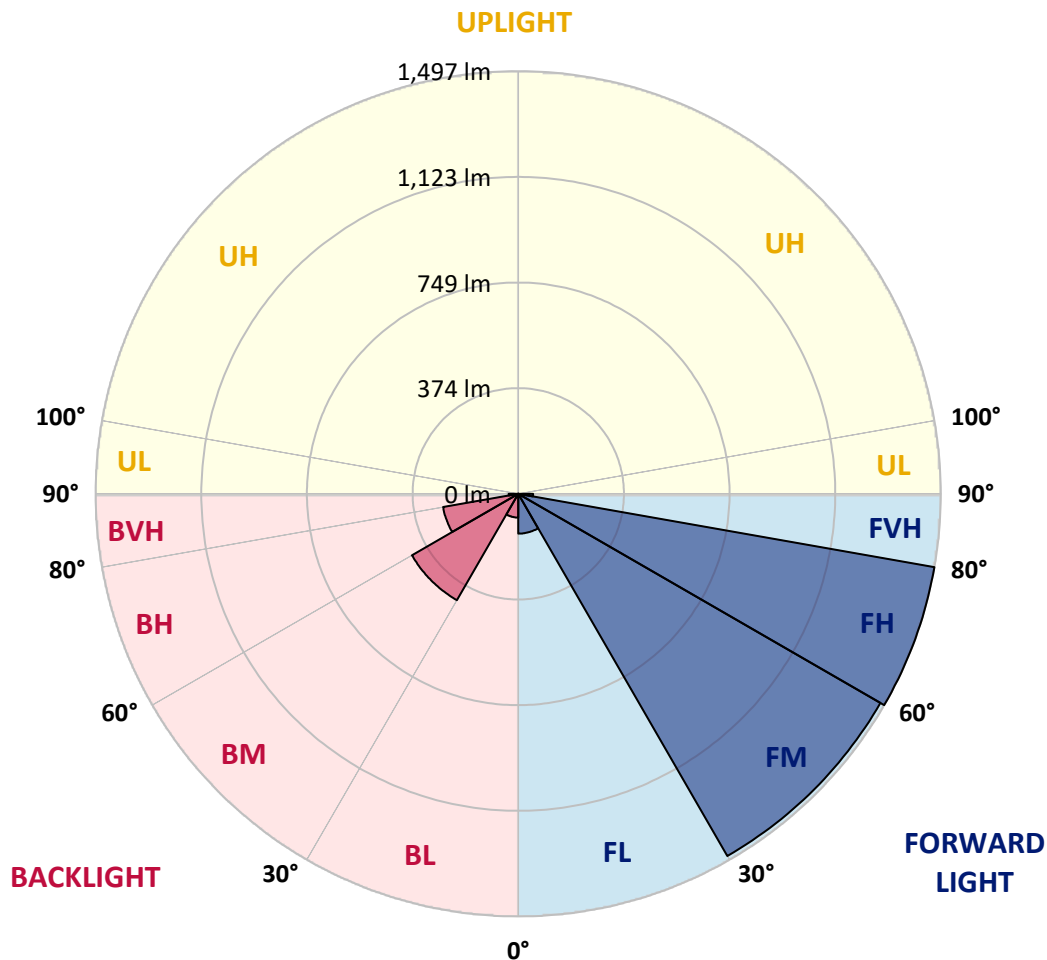


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.0	3.5			
FM (30°-60°)	1481.7	37.1			
FH (60°-80°)	1497.2	37.5			G1/1800
FVH (80°-90°)	52.6	1.3			G1/100
BL (0°-30°)	84.1	2.1	B0/110		
BM (30°-60°)	435.0	10.9	B1/1000		
BH (60°-80°)	270.3	6.8	B1/500		G1/500
BVH (80°-90°)	34.0	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°	1.4	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
10°	17.9	19.2	12.4	6.9	2.7	1.4	1.4	1.4	1.4	1.4	1.4
12.5°	159.4	159.4	158.0	101.7	31.6	6.9	2.7	8.2	15.1	16.5	24.7
15°	177.3	177.3	177.3	174.5	166.3	57.7	26.1	145.7	159.4	163.5	163.5
17.5°	233.6	237.7	215.7	193.7	184.1	160.8	155.3	174.5	177.3	180.0	181.4
20°	397.1	397.1	397.1	354.5	218.5	281.7	258.3	199.2	208.9	250.1	344.9
22.5°	442.4	441.1	431.5	417.7	447.9	313.3	294.0	347.6	383.4	395.7	390.2
25°	677.4	676.0	640.3	472.7	493.3	423.2	442.4	441.1	432.8	437.0	431.5
27.5°	735.1	732.4	729.6	665.0	545.5	571.6	513.9	574.4	612.8	641.7	623.8
30°	1033.3	974.2	856.0	754.4	696.6	612.8	660.9	696.6	670.5	682.9	654.1
32.5°	1092.4	1097.9	1092.4	950.9	775.0	698.0	742.0	739.2	842.3	878.0	868.4
35°	1151.5	1147.3	1139.1	1012.7	901.4	805.2	781.8	905.5	905.5	926.1	897.3
37.5°	1198.2	1196.8	1185.8	1047.0	964.6	843.7	884.9	971.5	972.8	993.4	930.2
40°	1238.0	1239.4	1235.3	1084.1	1015.4	884.9	933.0	1036.0	1014.1	1044.3	985.2
42.5°	1272.4	1276.5	1283.4	1139.1	1059.4	926.1	978.3	1082.8	1096.5	1132.2	1064.9
45°	1335.6	1343.8	1353.5	1225.7	1118.5	981.1	1040.2	1176.2	1178.9	1232.5	1174.8
47.5°	1415.3	1420.8	1441.4	1319.1	1206.4	1060.8	1103.4	1244.9	1284.7	1352.1	1306.7
50°	1484.0	1495.0	1522.5	1433.1	1327.3	1177.6	1192.7	1346.6	1426.3	1486.7	1445.5
52.5°	1536.2	1545.8	1587.0	1529.3	1455.1	1302.6	1305.4	1488.1	1569.2	1653.0	1628.3
55°	1578.8	1589.8	1628.3	1620.0	1571.9	1405.7	1460.6	1624.1	1738.2	1837.1	1809.6
57.5°	1585.7	1584.3	1657.1	1681.9	1653.0	1541.7	1657.1	1772.5	1955.3	2033.6	2035.0
60°	1554.1	1560.9	1647.5	1723.1	1725.8	1681.9	1871.5	1970.4	2184.8	2237.0	2253.5
62.5°	1486.7	1501.9	1598.0	1723.1	1784.9	1822.0	2080.3	2193.0	2390.9	2418.4	2400.5
65°	1358.9	1364.4	1459.3	1643.4	1790.4	1949.8	2296.1	2386.7	2581.9	2554.4	2433.5
67.5°	1097.9	1114.4	1202.3	1415.3	1659.9	2006.1	2492.6	2532.4	2695.9	2638.2	2352.4
70°	724.1	728.3	814.8	1004.4	1315.0	1889.3	2592.9	2597.0	2715.1	2630.0	2136.7
72.5°	314.7	289.9	372.4	524.9	806.6	1473.0	2470.6	2529.6	2579.1	2474.7	1769.8
75°	136.0	138.8	160.8	217.1	373.7	832.7	2055.6	2205.4	2272.7	2107.8	1290.2
77.5°	101.7	101.7	116.8	131.9	174.5	314.7	1339.7	1642.0	1721.7	1526.6	802.5
80°	74.2	76.9	87.9	96.2	112.7	127.8	667.8	994.8	1045.7	795.6	353.1
82.5°	56.3	56.3	63.2	68.7	76.9	76.9	226.7	427.3	387.5	270.7	122.3
85°	24.7	20.6	33.0	31.6	34.4	27.5	60.5	78.3	78.3	61.8	27.5
87.5°	0.0	1.4	1.4	1.4	2.7	2.7	5.5	4.1	5.5	5.5	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	0.0	1.4	1.4	1.4	1.4
5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
7.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4
10°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4
12.5°	22.0	26.1	16.5	8.2	1.4	0.0	0.0	1.4	1.4	2.7	2.7
15°	166.3	164.9	164.9	151.1	26.1	4.1	2.7	13.7	46.7	98.9	97.6
17.5°	181.4	181.4	181.4	174.5	158.0	44.0	44.0	145.7	158.0	159.4	160.8
20°	343.5	339.4	262.4	188.2	166.3	158.0	144.3	159.4	162.1	163.5	166.3
22.5°	386.1	382.0	364.1	327.0	186.9	229.5	207.5	170.4	254.2	266.6	269.3
25°	428.7	417.7	390.2	342.1	313.3	232.2	243.2	243.2	254.2	252.8	254.2
27.5°	611.5	599.1	562.0	388.9	339.4	272.1	269.3	237.7	255.6	291.3	294.0
30°	640.3	625.2	574.4	447.9	357.3	296.8	251.5	283.1	296.8	292.7	294.0
32.5°	845.0	827.2	746.1	450.7	360.0	273.4	278.9	283.1	288.6	314.7	317.4
35°	871.2	854.7	744.7	516.6	332.5	272.1	269.3	288.6	320.2	324.3	325.7
37.5°	908.3	891.8	729.6	471.3	331.1	269.3	262.4	284.4	295.4	291.3	288.6
40°	961.8	937.1	700.8	421.8	300.9	255.6	255.6	261.1	269.3	254.2	250.1
42.5°	1041.5	990.7	669.2	377.9	276.2	237.7	237.7	239.1	233.6	219.9	219.9
45°	1128.1	1036.0	627.9	338.0	251.5	218.5	219.9	210.2	215.7	204.7	204.7
47.5°	1229.8	1091.0	577.1	299.5	229.5	200.6	197.9	199.2	206.1	197.9	197.9
50°	1346.6	1157.0	538.6	265.2	210.2	182.8	189.6	193.7	202.0	195.1	193.7
52.5°	1485.4	1227.0	508.4	237.7	193.7	167.6	184.1	189.6	199.2	195.1	193.7
55°	1647.5	1315.0	460.3	215.7	178.6	159.4	180.0	189.6	200.6	197.9	196.5
57.5°	1798.6	1390.6	393.0	193.7	167.6	153.9	178.6	189.6	203.4	200.6	199.2
60°	1934.7	1462.0	310.5	177.3	158.0	147.0	174.5	189.6	204.7	206.1	204.7
62.5°	2003.4	1466.1	251.5	164.9	148.4	140.2	170.4	188.2	203.4	211.6	211.6
65°	1970.4	1383.7	200.6	152.5	140.2	131.9	166.3	192.4	215.7	229.5	229.5
67.5°	1835.7	1217.4	166.3	142.9	130.5	125.0	171.8	217.1	239.1	252.8	252.8
70°	1589.8	983.8	142.9	134.7	123.7	127.8	191.0	237.7	244.6	259.7	258.3
72.5°	1261.4	735.1	127.8	126.4	119.5	134.7	203.4	229.5	229.5	235.0	229.5
75°	887.6	467.2	115.4	118.2	109.9	123.7	192.4	214.4	204.7	202.0	200.6
77.5°	505.7	252.8	101.7	107.2	98.9	107.2	167.6	191.0	181.4	174.5	171.8
80°	217.1	129.2	87.9	96.2	86.6	90.7	140.2	164.9	158.0	149.8	147.0
82.5°	86.6	67.3	74.2	85.2	72.8	76.9	119.5	140.2	134.7	126.4	118.2
85°	24.7	26.1	45.3	60.5	55.0	60.5	96.2	111.3	103.1	81.1	78.3
87.5°	2.7	4.1	9.6	12.4	13.7	11.0	22.0	30.2	27.5	20.6	16.5
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)