

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: P695225

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3526 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

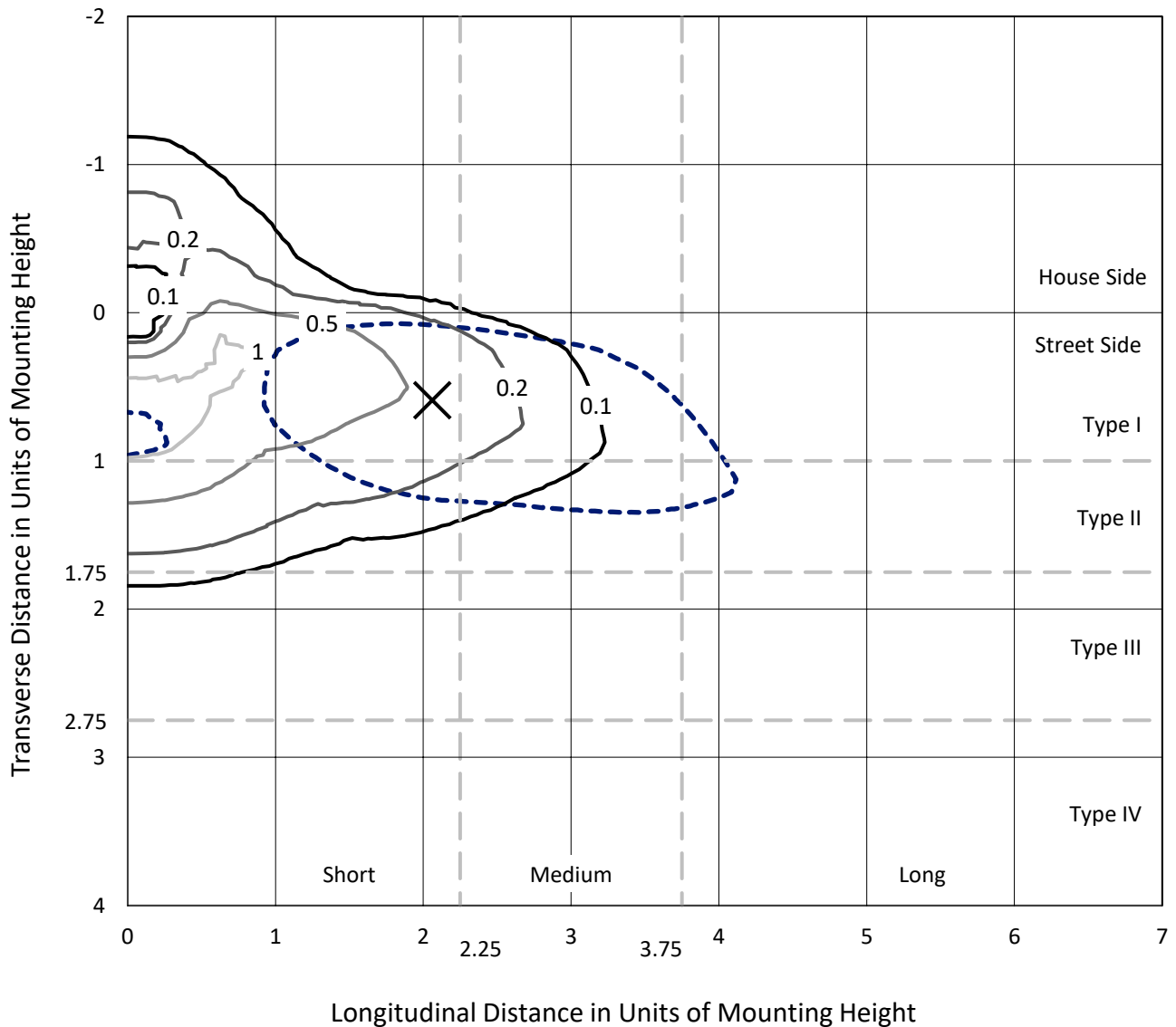
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

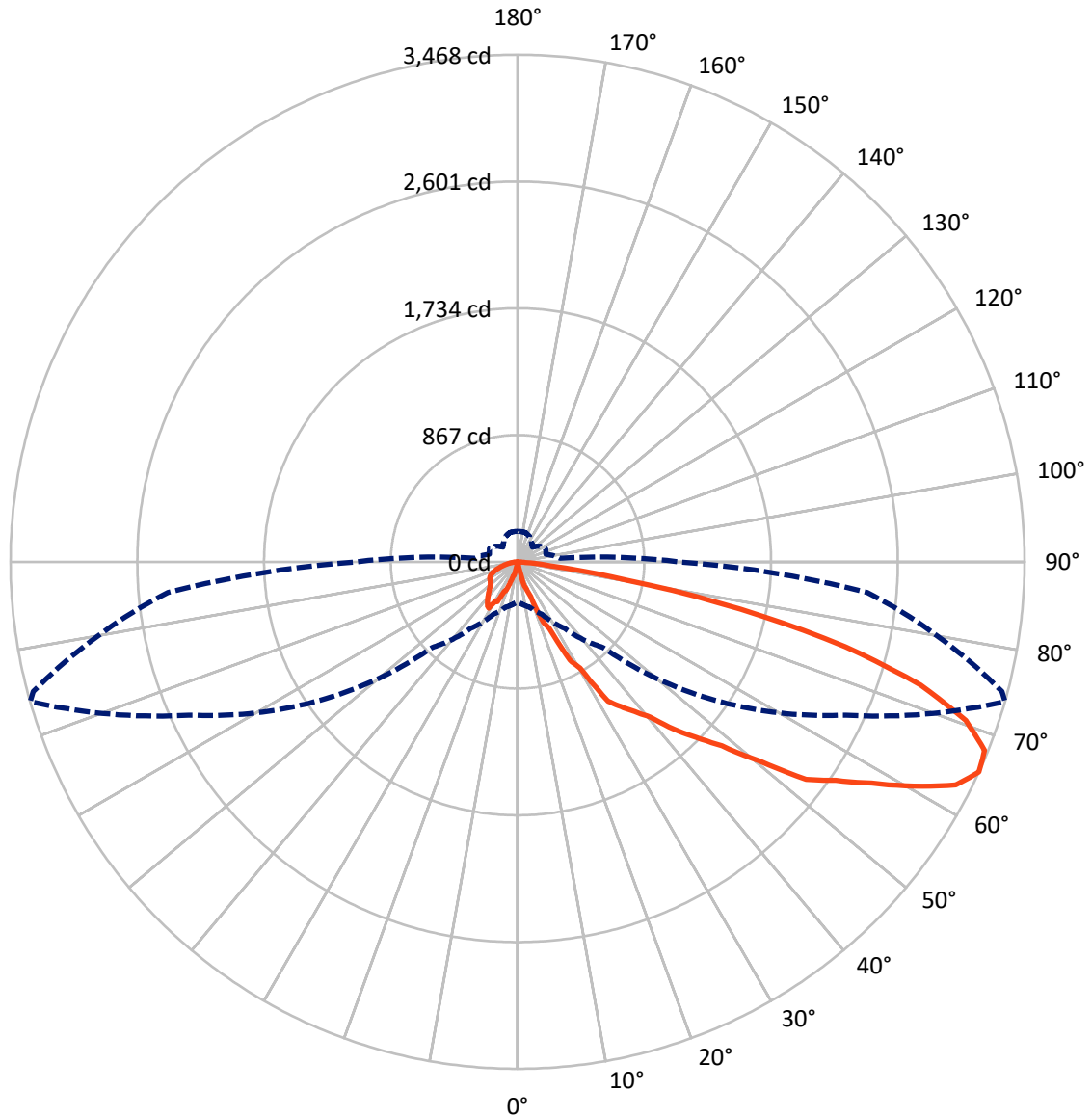
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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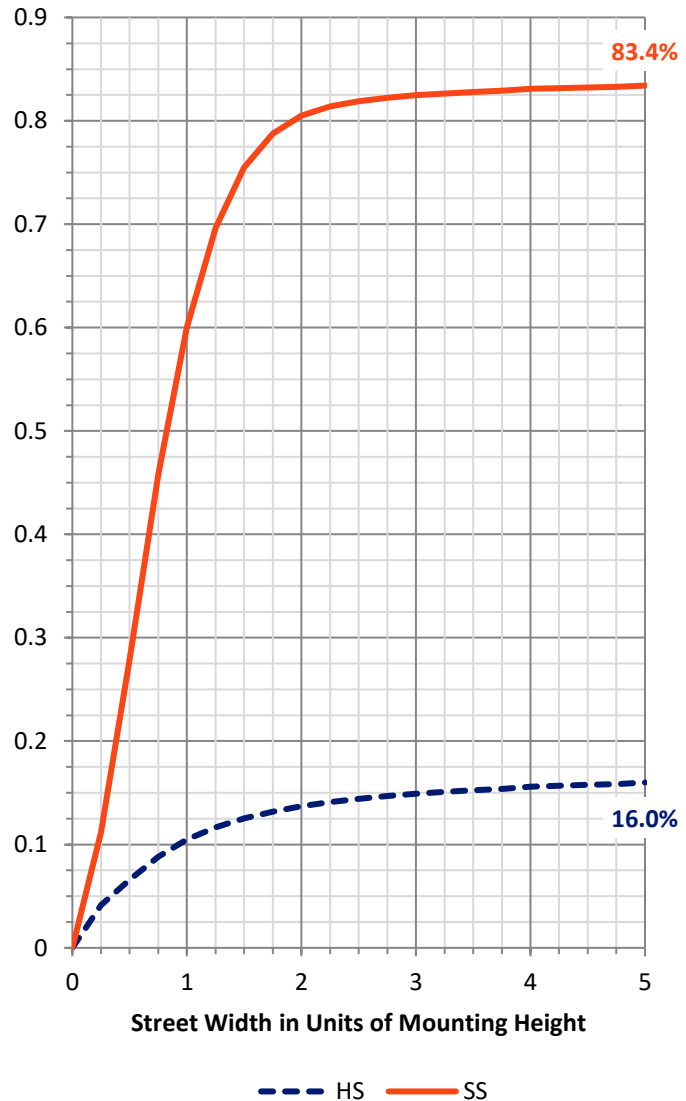
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	577.8	0.0	577.8
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	2948.2	0.0	2948.2
	% Fixture	83.6	0.0	83.6
Total	Lumens	3526.0	0.0	3526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	34.5	1.0
20°-30°	207.9	5.9
30°-40°	503.5	14.3
40°-50°	705.6	20.0
50°-60°	833.6	23.6
60°-70°	764.5	21.7
70°-80°	414.2	11.7
80°-90°	62.1	1.8
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°	3526.0	100.0
0°-180°	3526.0	100.0

Coefficient of Utilization

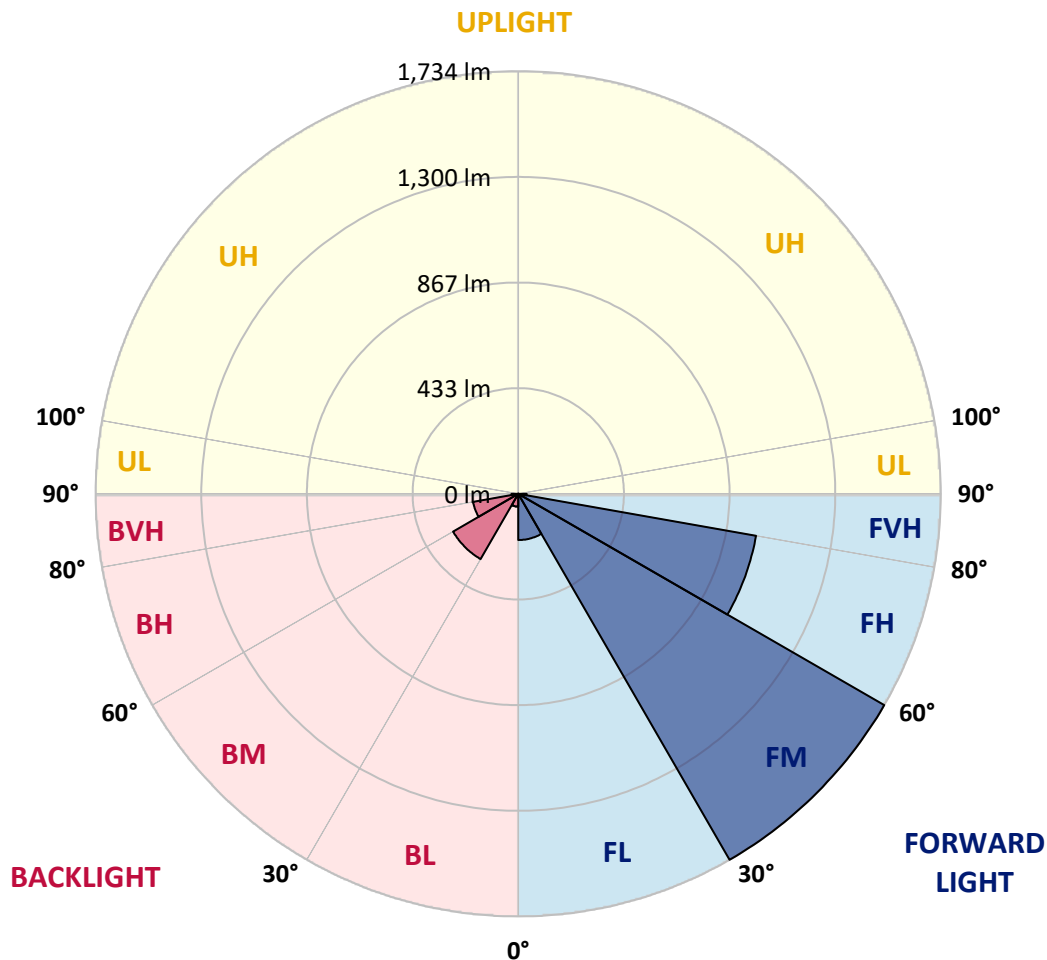


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.6	5.4			
FM (30°-60°)	1733.7	49.2			
FH (60°-80°)	990.5	28.1			G1/1800
FVH (80°-90°)	34.3	1.0			G1/100
BL (0°-30°)	52.9	1.5	B0/110		
BM (30°-60°)	309.0	8.8	B1/1000		
BH (60°-80°)	188.1	5.3	B1/500		G1/500
BVH (80°-90°)	27.8	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-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10°	17.2	16.0	12.3	7.4	3.7	1.2	1.2	1.2	1.2	1.2	1.2
12.5°	211.9	211.9	209.4	192.2	24.6	8.6	2.5	6.2	12.3	14.8	16.0
15°	240.2	237.8	237.8	235.3	229.2	53.0	23.4	184.8	168.8	163.9	125.7
17.5°	370.8	418.9	284.6	264.9	257.5	211.9	202.1	218.1	193.4	189.7	145.4
20°	564.3	564.3	560.6	554.4	299.4	412.7	388.1	250.1	253.8	305.5	289.5
22.5°	630.8	628.3	616.0	607.4	653.0	447.2	421.4	459.6	448.5	444.8	340.0
25°	1012.7	1001.7	984.4	692.4	714.6	628.3	625.9	587.7	502.7	494.1	390.6
27.5°	1107.6	1099.0	1084.2	988.1	816.8	825.5	655.4	704.7	761.4	766.3	586.5
30°	1579.5	1565.9	1395.9	1095.3	1034.9	899.4	915.4	893.2	842.7	823.0	633.3
32.5°	1686.7	1679.3	1647.2	1429.2	1124.9	1065.7	1025.1	985.6	1137.2	1111.3	890.8
35°	1771.7	1758.1	1726.1	1483.4	1375.0	1238.2	1119.9	1239.4	1217.3	1192.6	938.8
37.5°	1818.5	1803.7	1771.7	1543.8	1441.5	1299.8	1328.1	1314.6	1299.8	1290.0	990.6
40°	1809.9	1797.6	1777.8	1583.2	1482.2	1338.0	1429.2	1408.2	1395.9	1447.7	1054.6
42.5°	1769.2	1756.9	1743.3	1602.9	1505.6	1366.3	1514.2	1542.5	1565.9	1556.1	1126.1
45°	1685.4	1674.4	1674.4	1583.2	1493.2	1389.8	1588.1	1680.5	1713.8	1676.8	1218.5
47.5°	1598.0	1589.3	1590.6	1529.0	1469.8	1411.9	1679.3	1792.6	1880.1	1835.8	1351.6
50°	1477.2	1473.5	1492.0	1477.2	1441.5	1414.4	1779.1	1978.7	2141.3	2126.5	1553.6
52.5°	1299.8	1302.3	1354.0	1387.3	1384.8	1397.1	1825.9	2157.3	2471.5	2432.1	1708.9
55°	1147.0	1138.4	1180.3	1256.7	1282.6	1367.6	1851.8	2205.4	2640.3	2602.1	1840.7
57.5°	954.8	956.1	1002.9	1081.7	1152.0	1298.6	1873.9	2292.8	2857.1	2812.8	2024.3
60°	714.6	739.2	791.0	871.1	973.3	1184.0	1870.2	2412.4	3117.1	3088.7	2234.9
62.5°	466.9	475.6	548.3	627.1	784.8	1036.2	1806.2	2498.6	3363.5	3311.7	2374.2
65°	272.3	288.3	321.6	396.7	553.2	829.2	1652.2	2481.3	3468.2	3430.0	2400.0
67.5°	183.6	186.0	202.1	245.2	346.2	596.3	1394.7	2318.7	3444.8	3410.3	2328.6
70°	154.0	155.2	160.2	165.1	199.6	385.6	1011.5	1994.7	3252.6	3226.7	2154.9
72.5°	138.0	139.2	141.7	138.0	140.5	223.0	664.1	1654.6	2881.8	2849.7	1866.6
75°	125.7	125.7	125.7	123.2	119.5	136.8	369.6	1270.2	2316.3	2248.5	1419.3
77.5°	109.7	109.7	108.4	108.4	107.2	102.3	181.1	896.9	1557.3	1490.8	837.8
80°	89.9	89.9	89.9	91.2	89.9	76.4	97.3	539.6	754.0	739.2	324.0
82.5°	54.2	55.4	62.8	72.7	71.5	54.2	65.3	248.9	229.2	215.6	101.0
85°	7.4	6.2	17.2	24.6	29.6	19.7	27.1	56.7	53.0	55.4	24.6
87.5°	0.0	0.0	0.0	1.2	1.2	2.5	3.7	3.7	3.7	3.7	3.7
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	0.0
5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	19.7	18.5	12.3	4.9	0.0	0.0	0.0	0.0	0.0	1.2	1.2
15°	112.1	102.3	93.6	78.9	16.0	2.5	1.2	8.6	19.7	44.4	45.6
17.5°	128.1	115.8	104.7	97.3	87.5	25.9	18.5	89.9	94.9	94.9	94.9
20°	247.6	219.3	151.5	109.7	94.9	78.9	86.2	97.3	101.0	102.3	102.3
22.5°	284.6	246.4	213.1	187.3	109.7	135.5	126.9	106.0	166.3	171.3	172.5
25°	324.0	278.4	225.5	195.9	186.0	139.2	145.4	163.9	176.2	176.2	176.2
27.5°	475.6	389.3	314.2	225.5	199.6	170.0	178.6	168.8	182.3	223.0	230.4
30°	508.8	406.6	312.9	251.3	211.9	198.4	178.6	220.5	236.6	236.6	235.3
32.5°	694.9	532.2	386.9	250.1	229.2	195.9	214.4	227.9	239.0	255.0	261.2
35°	723.2	531.0	372.1	288.3	225.5	205.8	218.1	242.7	283.4	289.5	285.8
37.5°	745.4	521.2	349.9	274.7	242.7	214.4	224.2	266.1	284.6	282.1	277.2
40°	771.3	507.6	325.3	264.9	234.1	214.4	239.0	264.9	272.3	261.2	258.7
42.5°	803.3	490.4	303.1	252.6	225.5	213.1	236.6	250.1	250.1	247.6	245.2
45°	847.6	474.3	282.1	239.0	221.8	208.2	230.4	230.4	245.2	242.7	241.5
47.5°	925.3	458.3	263.7	227.9	216.8	202.1	214.4	223.0	240.2	239.0	237.8
50°	1009.0	441.1	248.9	220.5	211.9	194.7	195.9	215.6	235.3	234.1	232.9
52.5°	1062.0	410.3	237.8	218.1	207.0	187.3	189.7	209.4	231.6	229.2	226.7
55°	1101.5	383.2	230.4	216.8	202.1	170.0	184.8	204.5	226.7	223.0	220.5
57.5°	1155.7	361.0	225.5	219.3	198.4	157.7	178.6	199.6	221.8	218.1	218.1
60°	1208.6	342.5	220.5	220.5	197.1	151.5	173.7	195.9	216.8	215.6	215.6
62.5°	1207.4	320.3	211.9	219.3	195.9	146.6	170.0	192.2	211.9	213.1	211.9
65°	1102.7	292.0	199.6	211.9	187.3	142.9	165.1	192.2	207.0	208.2	208.2
67.5°	969.6	256.3	179.9	199.6	172.5	140.5	161.4	188.5	198.4	204.5	204.5
70°	818.1	210.7	155.2	182.3	157.7	138.0	161.4	182.3	188.5	200.8	199.6
72.5°	670.2	166.3	129.4	158.9	141.7	135.5	162.6	173.7	176.2	192.2	187.3
75°	510.1	125.7	103.5	129.4	122.0	133.1	160.2	161.4	160.2	165.1	157.7
77.5°	331.4	94.9	83.8	98.6	101.0	126.9	155.2	146.6	139.2	135.5	131.8
80°	151.5	67.8	64.1	76.4	75.2	117.0	146.6	130.6	119.5	113.3	108.4
82.5°	61.6	44.4	44.4	55.4	51.7	102.3	131.8	112.1	98.6	93.6	91.2
85°	17.2	18.5	19.7	29.6	30.8	78.9	106.0	87.5	71.5	106.0	97.3
87.5°	2.5	2.5	2.5	3.7	3.7	4.9	14.8	19.7	25.9	11.1	9.9
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)