

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: P695040

Luminaire Tested: **LXF.LXT-PA16-40-727-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
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-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812 lumens
Efficiency: N/A
Efficacy: 94.8 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

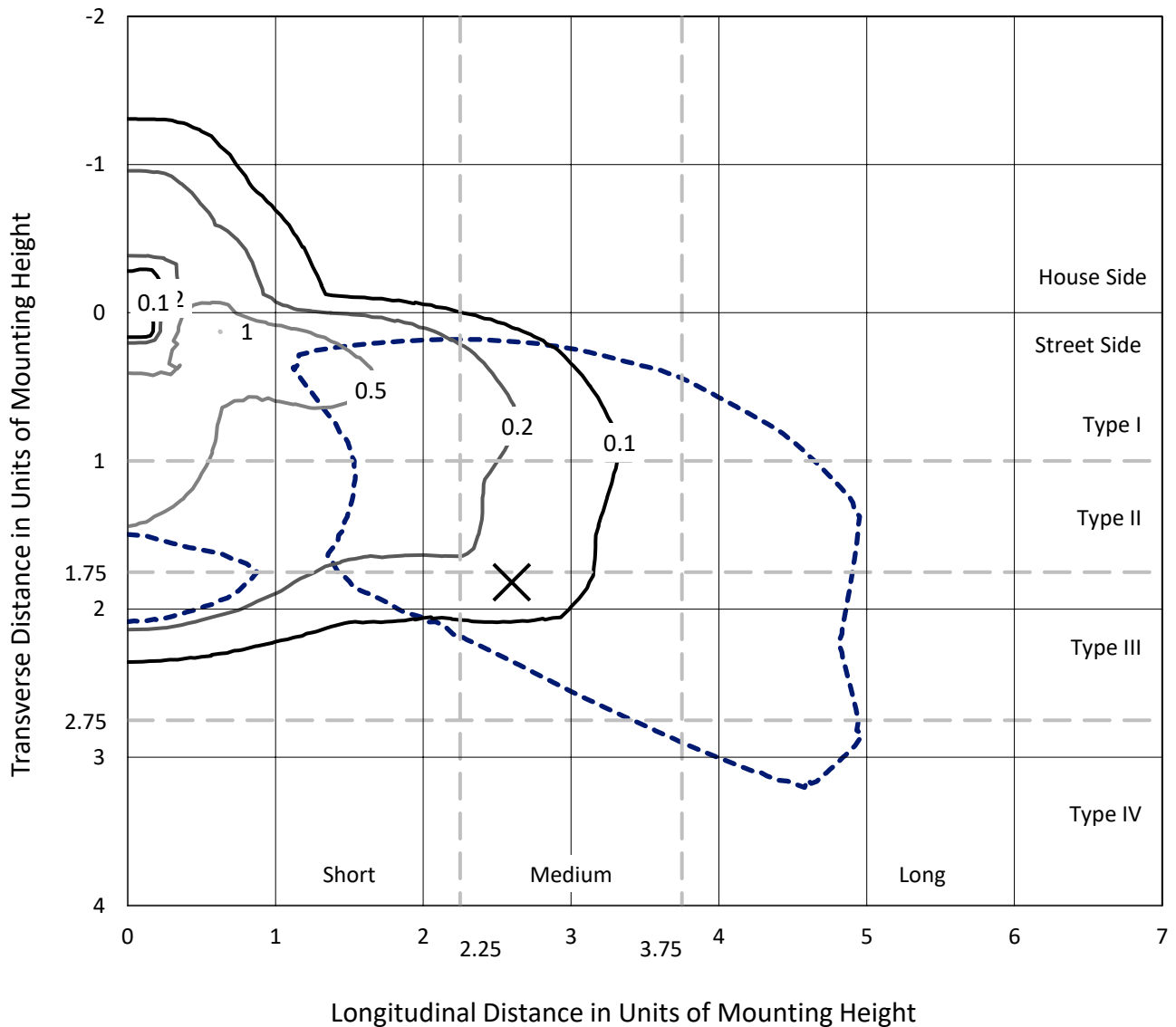
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

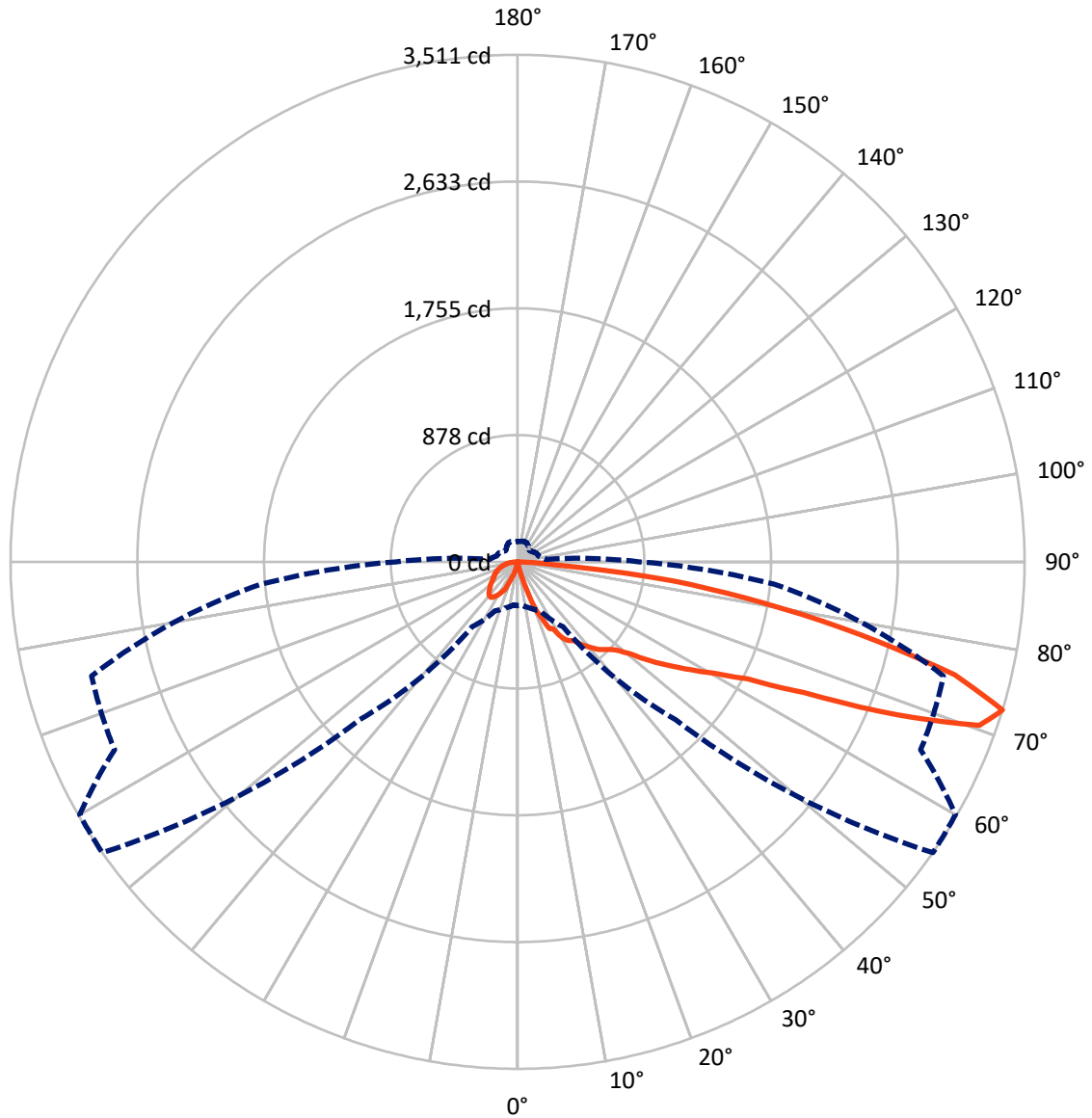
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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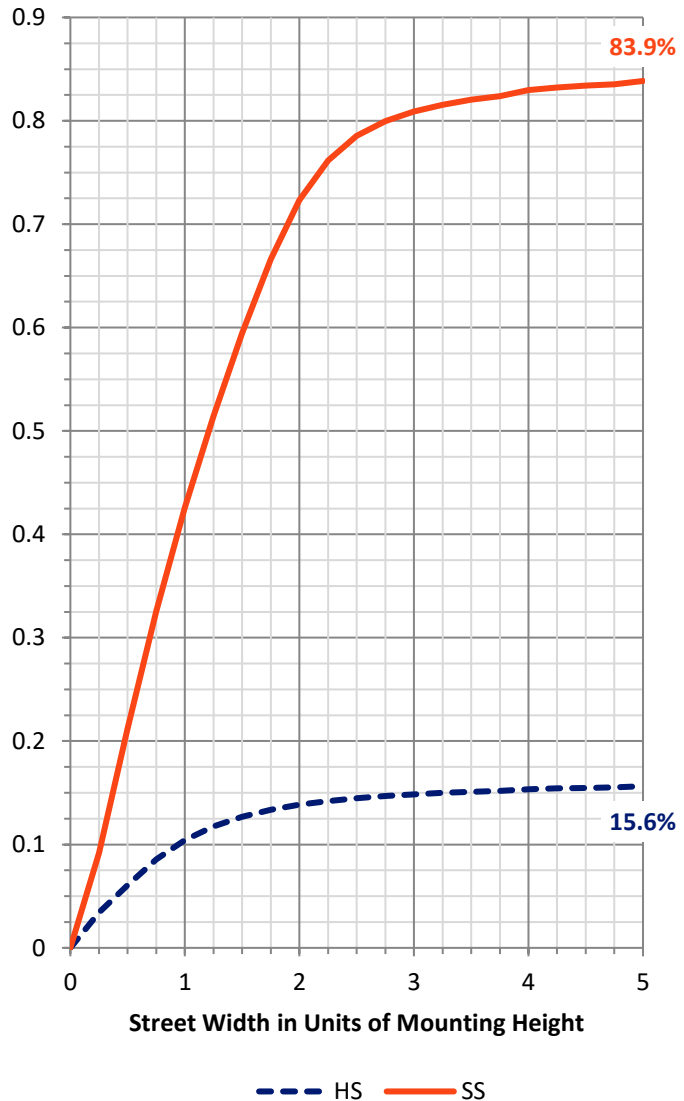
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.6	0.0	605.6
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	3206.4	0.0	3206.4
	% Fixture	84.1	0.0	84.1
Total	Lumens	3812.0	0.0	3812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	36.8	1.0
20°-30°	172.5	4.5
30°-40°	367.4	9.6
40°-50°	535.1	14.0
50°-60°	779.6	20.5
60°-70°	1034.7	27.1
70°-80°	761.8	20.0
80°-90°	123.9	3.3
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°	3812.0	100.0
0°-180°	3812.0	100.0

Coefficient of Utilization

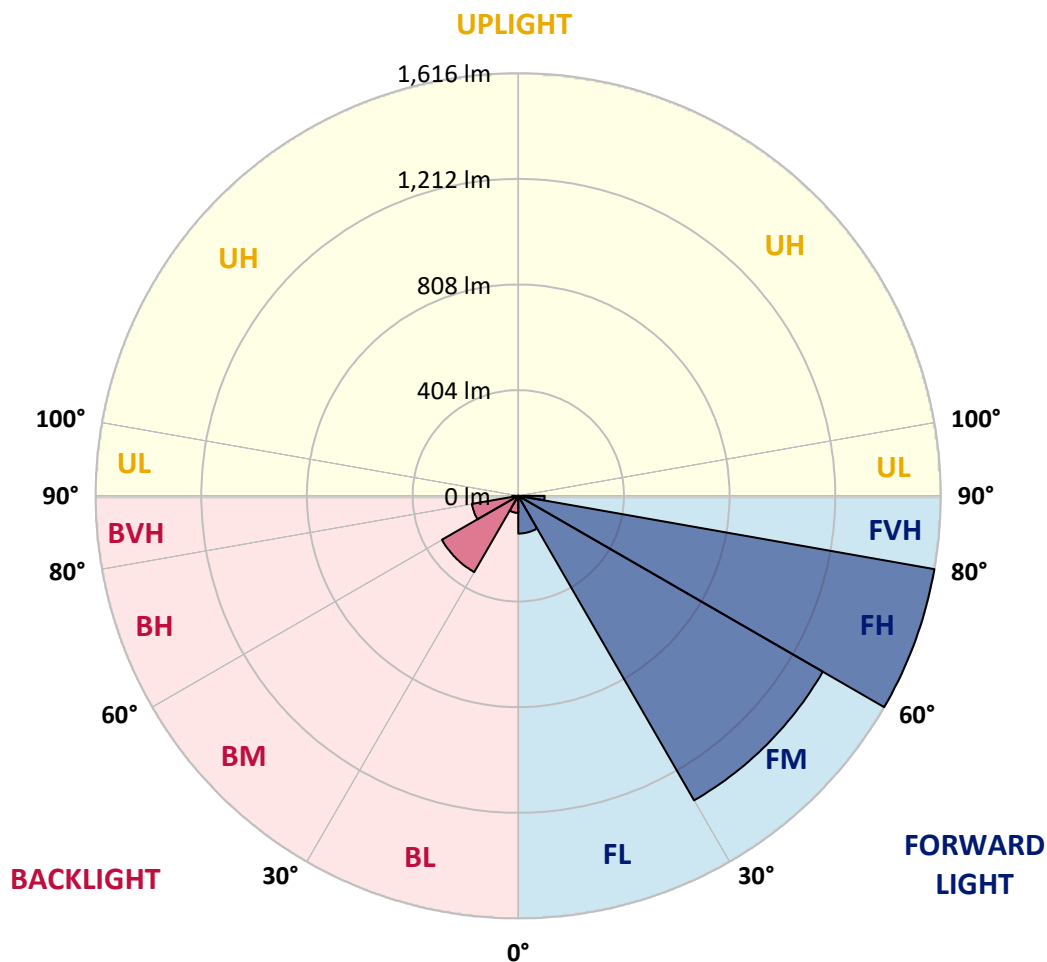


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.3	3.8			
FM (30°-60°)	1345.1	35.3			
FH (60°-80°)	1616.4	42.4			G1/1800
FVH (80°-90°)	100.6	2.6			G2/225
BL (0°-30°)	65.3	1.7	B0/110		
BM (30°-60°)	337.0	8.8	B1/1000		
BH (60°-80°)	180.0	4.7	B1/500		G1/500
BVH (80°-90°)	23.3	0.6			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°	60°	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	0.0	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°	27.5	28.9	23.4	11.0	4.1	1.4	1.4	1.4	2.7	2.7	4.1
12.5°	218.5	221.2	217.1	87.9	41.2	8.2	5.5	9.6	15.1	23.4	92.1
15°	217.1	217.1	221.2	228.1	228.1	48.1	96.2	125.0	174.5	226.7	224.0
17.5°	229.5	228.1	222.6	219.8	235.0	267.9	203.4	244.6	248.7	256.9	251.4
20°	333.9	333.9	333.9	317.4	237.7	329.8	343.5	277.5	280.3	391.6	380.6
22.5°	365.5	364.1	353.1	344.9	358.6	327.0	414.9	476.8	469.9	533.1	500.1
25°	520.7	505.6	479.5	380.6	397.1	383.3	512.5	588.1	531.7	579.8	627.9
27.5°	607.3	596.3	573.0	518.0	423.2	464.4	524.9	618.3	722.7	828.5	744.7
30°	813.4	802.4	687.0	601.8	524.9	478.2	611.4	733.7	850.5	868.4	776.3
32.5°	843.6	845.0	850.5	769.4	616.9	529.0	651.3	758.5	909.6	1091.0	964.6
35°	862.9	861.5	861.5	798.3	735.1	625.2	670.5	853.3	1045.6	1156.9	954.9
37.5°	920.6	916.5	909.6	813.4	777.7	693.9	731.0	878.0	1121.2	1260.0	945.3
40°	990.7	994.8	976.9	854.6	806.5	746.1	779.1	889.0	1210.5	1343.8	941.2
42.5°	1089.6	1084.1	1053.9	923.3	849.1	769.4	831.3	917.8	1276.5	1456.4	949.4
45°	1200.9	1187.1	1144.5	1018.1	912.3	783.2	865.6	970.0	1335.5	1584.2	978.3
47.5°	1316.3	1298.4	1238.0	1095.1	978.3	809.3	909.6	1037.4	1402.9	1746.4	1031.9
50°	1426.2	1413.9	1336.9	1176.1	1047.0	857.4	993.4	1139.1	1494.9	1908.5	1122.6
52.5°	1536.1	1515.5	1420.7	1258.6	1112.9	917.8	1130.8	1288.8	1618.6	2072.0	1221.5
55°	1654.3	1626.8	1504.5	1339.7	1167.9	998.9	1264.1	1444.1	1765.6	2268.5	1343.8
57.5°	1850.8	1831.5	1657.1	1460.6	1246.2	1097.8	1408.4	1599.3	1923.6	2448.5	1466.1
60°	2073.4	2039.0	1867.3	1670.8	1409.7	1251.7	1567.7	1772.5	2074.7	2621.6	1602.1
62.5°	2065.1	2030.8	1909.9	1797.2	1620.0	1508.7	1786.2	1951.1	2203.9	2785.1	1723.0
65°	1640.6	1646.1	1641.9	1661.2	1679.0	1870.0	2183.3	2213.5	2407.3	2937.6	1838.4
67.5°	893.1	884.9	986.5	1185.8	1461.9	2099.5	2826.3	2636.7	2658.7	3080.5	1918.1
70°	425.9	425.9	485.0	659.5	1048.4	1958.0	3392.4	3172.6	2929.4	3142.3	1908.5
72.5°	303.7	299.5	331.1	375.1	548.2	1544.4	3510.6	3501.0	3079.1	3053.0	1782.1
75°	245.9	248.7	261.1	284.4	259.7	908.2	3125.9	3301.7	2939.0	2771.4	1576.0
77.5°	199.2	199.2	214.3	225.3	166.3	441.1	2426.5	2654.6	2330.3	2260.2	1158.3
80°	148.4	148.4	156.6	180.0	122.3	186.9	1717.5	1787.6	1537.5	1394.6	568.8
82.5°	90.7	85.2	96.2	126.4	87.9	107.2	1078.6	972.8	772.2	432.8	169.0
85°	16.5	19.2	27.5	44.0	33.0	39.8	250.1	182.7	153.9	74.2	38.5
87.5°	0.0	0.0	0.0	1.4	2.7	4.1	5.5	6.9	6.9	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

REPORT NUMBER: P695040
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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	0.0	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	0.0	1.4	1.4	1.4
10°	4.1	4.1	2.7	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
12.5°	96.2	98.9	24.7	13.7	4.1	1.4	0.0	1.4	2.7	5.5	6.9
15°	217.1	204.7	158.0	81.1	46.7	5.5	2.7	23.4	63.2	68.7	72.8
17.5°	239.1	222.6	164.9	115.4	90.7	44.0	55.0	87.9	98.9	104.4	104.4
20°	354.5	311.9	202.0	134.7	107.2	116.8	96.2	104.4	115.4	125.0	130.5
22.5°	454.8	380.6	233.6	192.4	145.6	149.8	131.9	151.1	185.5	199.2	200.6
25°	548.2	424.6	245.9	214.3	208.8	170.4	186.9	188.2	204.7	213.0	214.3
27.5°	619.7	446.6	294.0	247.3	230.8	208.8	213.0	210.2	261.1	277.5	280.3
30°	627.9	428.7	307.8	280.3	254.2	241.8	229.5	272.1	292.7	299.5	299.5
32.5°	696.6	442.4	338.0	302.3	278.9	252.8	274.8	288.5	311.9	354.5	355.9
35°	623.8	394.3	350.4	328.4	296.8	274.8	287.2	324.3	369.6	379.2	377.9
37.5°	549.6	358.6	333.9	327.0	307.8	288.5	302.3	338.0	362.7	354.5	354.5
40°	489.1	333.9	321.5	316.0	306.4	281.7	309.2	322.9	350.4	342.1	340.8
42.5°	446.6	316.0	309.2	302.3	295.4	272.1	289.9	320.1	344.9	335.3	332.5
45°	432.8	305.0	300.9	291.3	278.9	258.3	277.5	316.0	339.4	329.8	327.0
47.5°	449.3	295.4	289.9	277.5	261.1	240.5	270.7	309.2	327.0	310.5	309.2
50°	497.4	291.3	278.9	262.4	245.9	235.0	261.1	292.7	307.8	292.7	292.7
52.5°	564.7	292.7	267.9	248.7	229.5	222.6	250.1	281.7	294.0	278.9	277.5
55°	637.5	296.8	254.2	235.0	208.8	213.0	244.6	276.2	280.3	263.8	262.4
57.5°	720.0	300.9	240.5	225.3	197.9	202.0	233.6	265.2	263.8	241.8	241.8
60°	803.8	305.0	226.7	213.0	186.9	188.2	219.8	251.4	243.2	221.2	219.8
62.5°	873.9	300.9	210.2	199.2	175.9	171.8	203.4	235.0	228.1	204.7	204.7
65°	934.3	284.4	196.5	185.5	164.9	158.0	186.9	214.3	208.8	186.9	188.2
67.5°	959.1	258.3	182.7	171.8	152.5	142.9	167.6	189.6	188.2	170.4	171.8
70°	922.0	222.6	167.6	158.0	138.8	126.4	148.4	167.6	167.6	155.3	155.3
72.5°	842.3	196.5	151.1	142.9	122.3	112.7	130.5	145.6	148.4	140.1	141.5
75°	753.0	171.8	131.9	127.8	108.5	96.2	111.3	126.4	129.2	125.0	125.0
77.5°	567.5	133.3	111.3	111.3	94.8	82.4	94.8	108.5	111.3	109.9	108.5
80°	287.2	94.8	89.3	94.8	78.3	68.7	78.3	90.7	94.8	103.1	103.1
82.5°	97.6	61.8	67.3	76.9	63.2	55.0	60.5	74.2	97.6	83.8	82.4
85°	27.5	27.5	35.7	41.2	42.6	37.1	42.6	70.1	56.3	48.1	46.7
87.5°	2.7	4.1	5.5	8.2	6.9	8.2	11.0	13.7	9.6	6.9	5.5
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)