

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: P695760

Luminaire Tested: **LXF.LXT-PA16-60-827-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695760
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-PA16-60-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA 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: 4866 lumens
Efficiency: N/A
Efficacy: 78.5 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

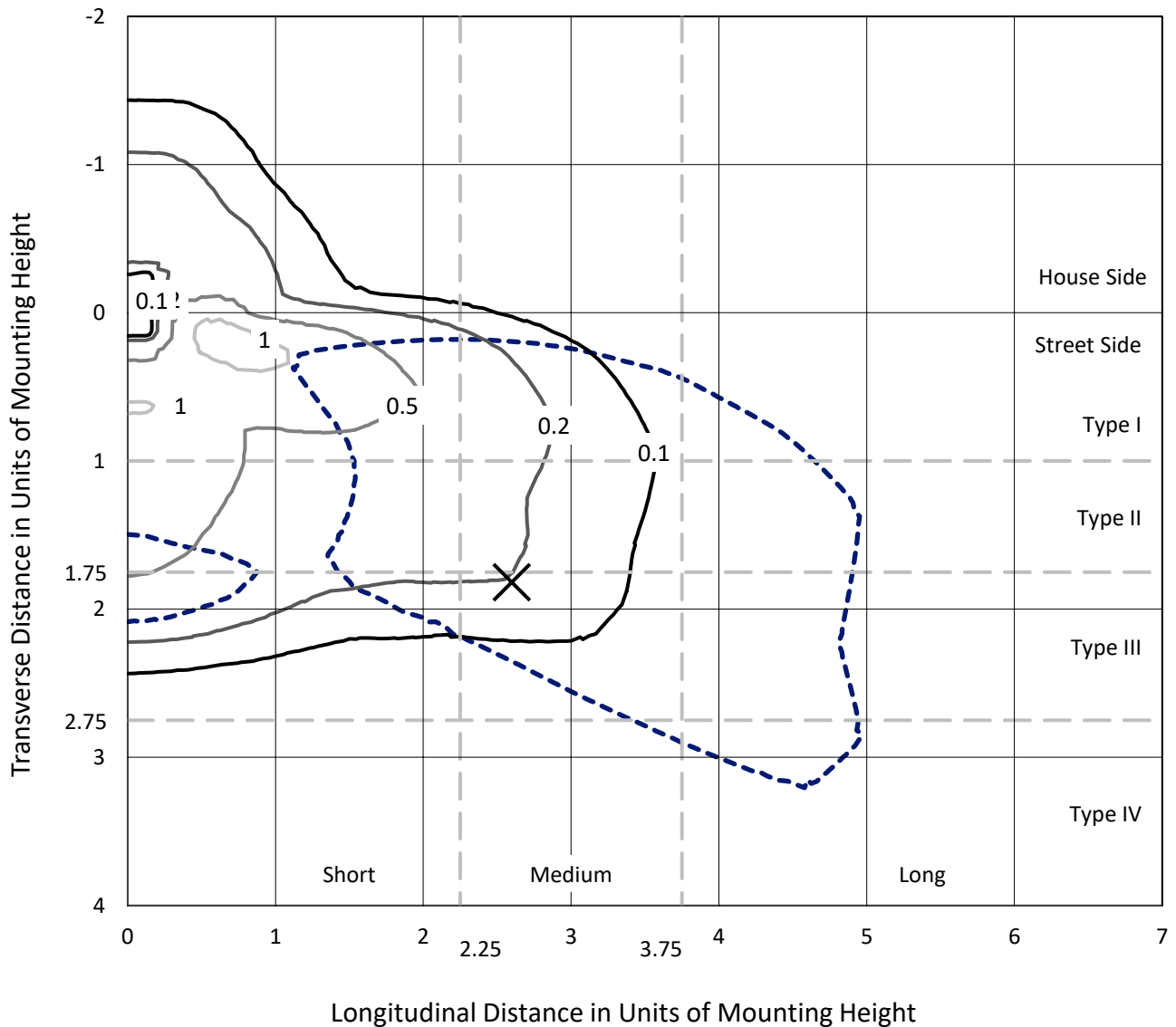
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

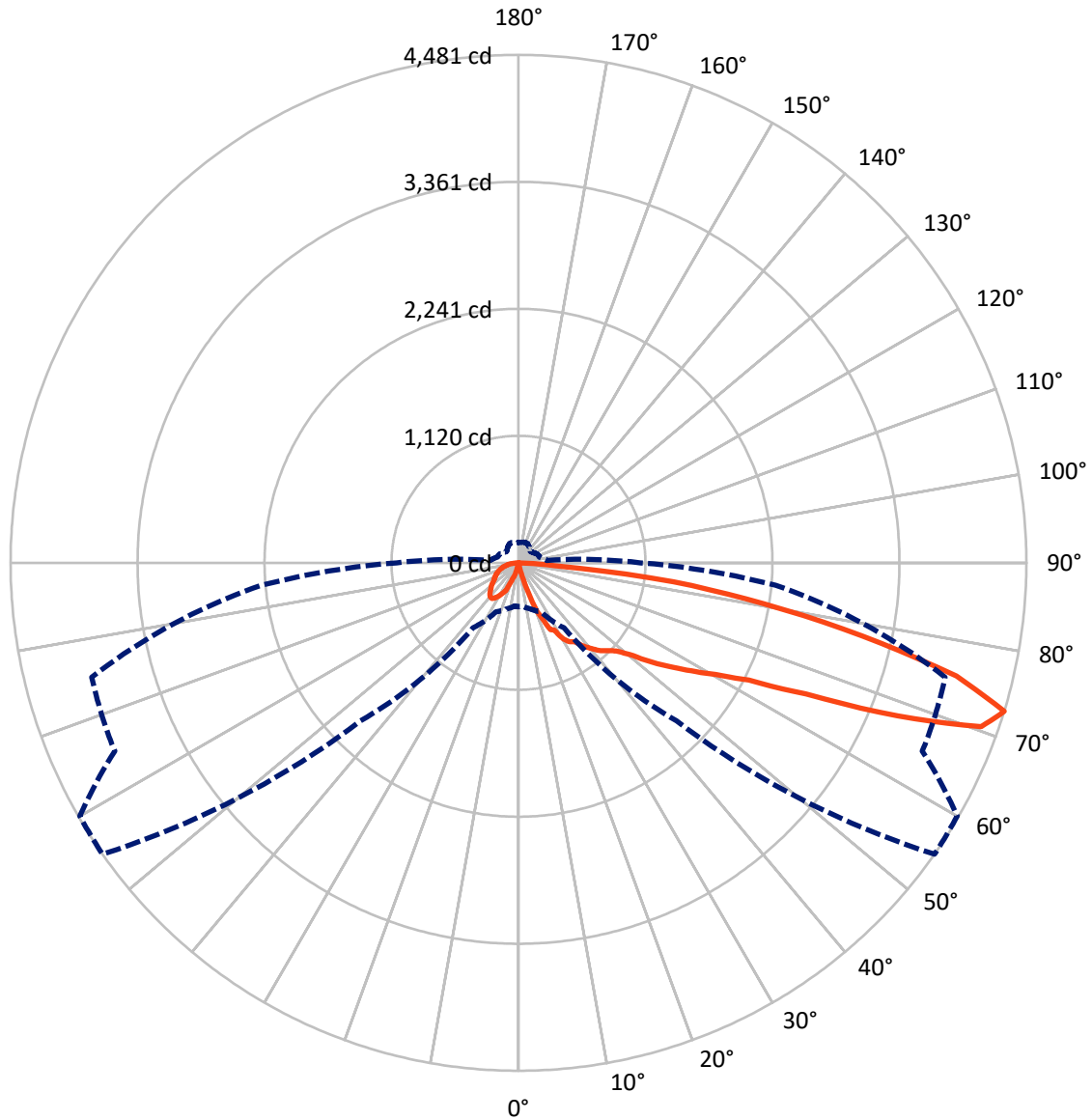
✕ Max cd
 - - - 1/2 Max cd



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

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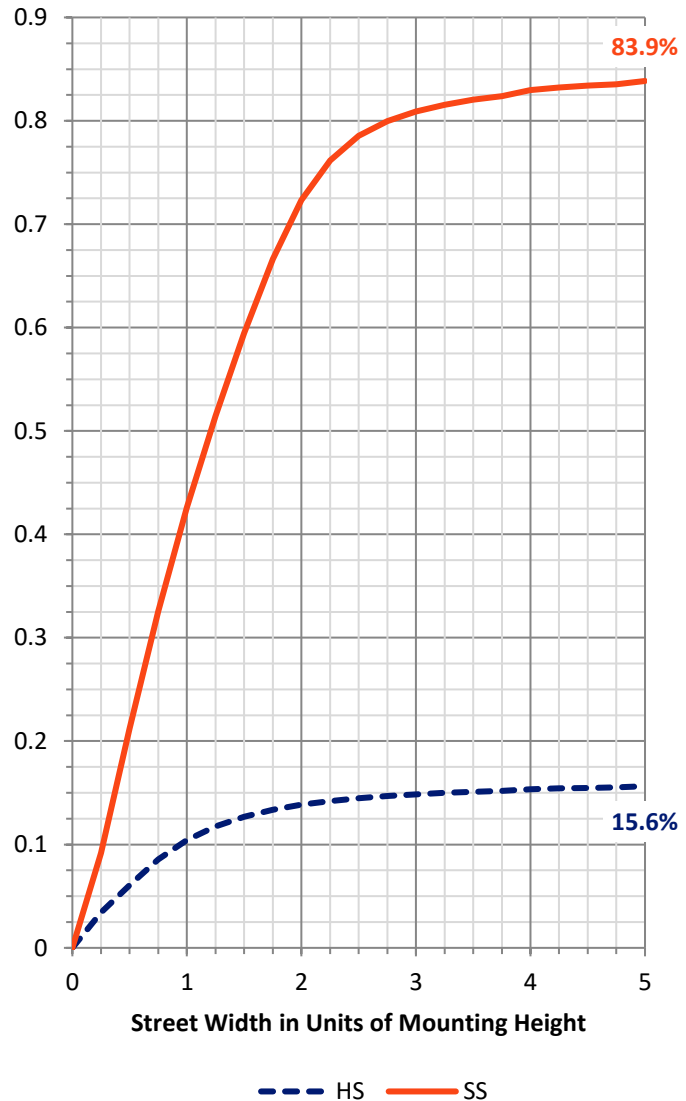
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	773.0	0.0	773.0
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	4093.0	0.0	4093.0
	% Fixture	84.1	0.0	84.1
Total	Lumens	4866.0	0.0	4866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	47.0	1.0
20°-30°	220.2	4.5
30°-40°	469.0	9.6
40°-50°	683.0	14.0
50°-60°	995.1	20.5
60°-70°	1320.7	27.1
70°-80°	972.4	20.0
80°-90°	158.2	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°	4866.0	100.0
0°-180°	4866.0	100.0

Coefficient of Utilization

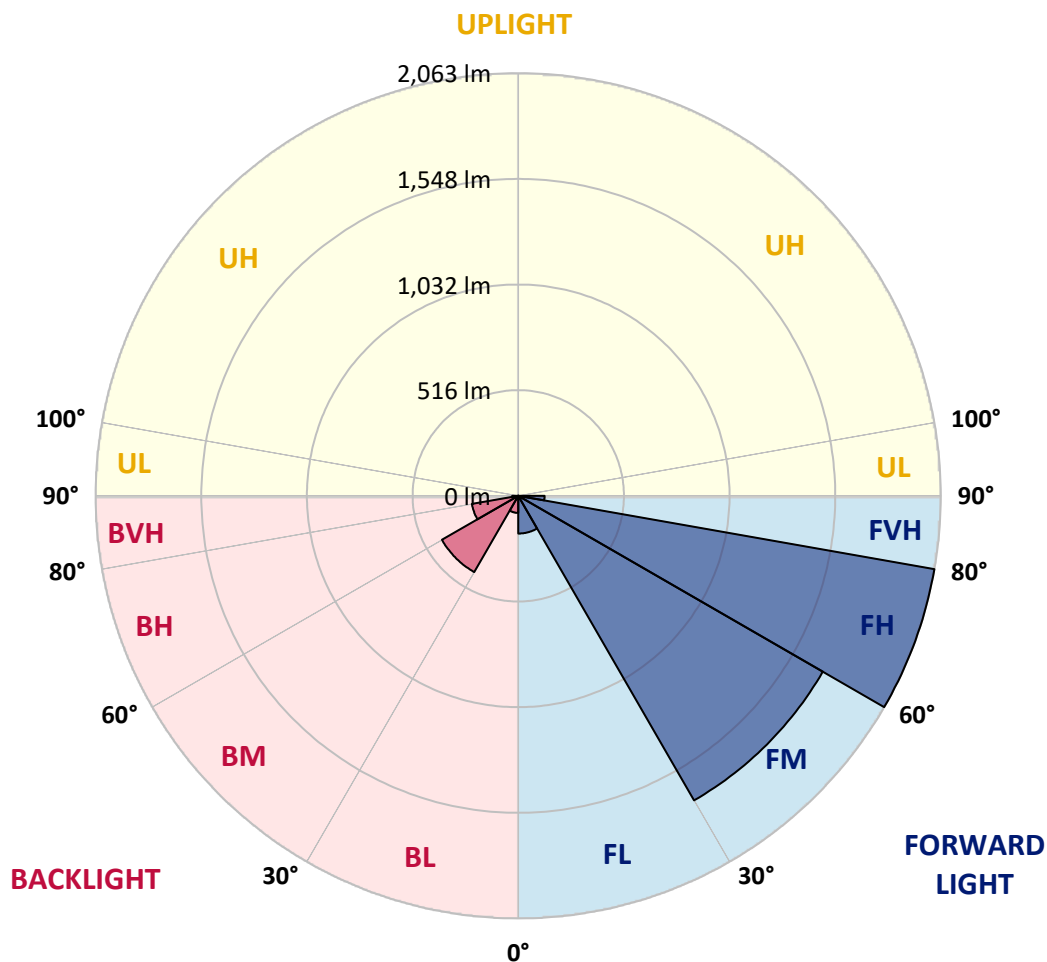


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.2	3.8			
FM (30°-60°)	1717.0	35.3			
FH (60°-80°)	2063.4	42.4			G2/5000
FVH (80°-90°)	128.5	2.6			G2/225
BL (0°-30°)	83.3	1.7	B0/110		
BM (30°-60°)	430.2	8.8	B1/1000		
BH (60°-80°)	229.7	4.7	B1/500		G1/500
BVH (80°-90°)	29.8	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
7.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
10°	35.1	36.8	29.8	14.0	5.3	1.8	1.8	1.8	3.5	3.5	5.3
12.5°	278.9	282.4	277.1	112.3	52.6	10.5	7.0	12.3	19.3	29.8	117.5
15°	277.1	277.1	282.4	291.1	291.1	61.4	122.8	159.6	222.7	289.4	285.9
17.5°	292.9	291.1	284.1	280.6	299.9	342.0	259.6	312.2	317.5	328.0	321.0
20°	426.2	426.2	426.2	405.2	303.4	420.9	438.5	354.3	357.8	499.9	485.8
22.5°	466.5	464.8	450.8	440.2	457.8	417.4	529.7	608.6	599.8	680.5	638.4
25°	664.7	645.4	612.1	485.8	506.9	489.3	654.2	750.7	678.8	740.2	801.5
27.5°	775.2	761.2	731.4	661.2	540.2	592.8	670.0	789.3	922.6	1057.6	950.6
30°	1038.3	1024.3	877.0	768.2	670.0	610.4	780.5	936.6	1085.7	1108.5	991.0
32.5°	1076.9	1078.7	1085.7	982.2	787.5	675.3	831.4	968.2	1161.1	1392.6	1231.2
35°	1101.5	1099.7	1099.7	1019.0	938.3	798.0	855.9	1089.2	1334.7	1476.8	1219.0
37.5°	1175.1	1169.9	1161.1	1038.3	992.7	885.7	933.1	1120.7	1431.2	1608.3	1206.7
40°	1264.6	1269.8	1247.0	1090.9	1029.5	952.4	994.5	1134.8	1545.2	1715.3	1201.4
42.5°	1390.9	1383.8	1345.2	1178.6	1083.9	982.2	1061.1	1171.6	1629.4	1859.1	1212.0
45°	1532.9	1515.4	1461.0	1299.6	1164.6	999.7	1105.0	1238.3	1704.8	2022.3	1248.8
47.5°	1680.2	1657.4	1580.3	1397.9	1248.8	1033.1	1161.1	1324.2	1790.7	2229.2	1317.2
50°	1820.6	1804.8	1706.6	1501.3	1336.5	1094.4	1268.1	1454.0	1908.3	2436.2	1432.9
52.5°	1960.9	1934.6	1813.5	1606.6	1420.7	1171.6	1443.5	1645.2	2066.1	2644.9	1559.2
55°	2111.7	2076.6	1920.5	1710.1	1490.8	1275.1	1613.6	1843.4	2253.8	2895.7	1715.3
57.5°	2362.5	2338.0	2115.2	1864.4	1590.8	1401.4	1797.8	2041.6	2455.5	3125.5	1871.4
60°	2646.7	2602.8	2383.6	2132.8	1799.5	1597.8	2001.2	2262.5	2648.4	3346.5	2045.1
62.5°	2636.1	2592.3	2437.9	2294.1	2067.9	1925.8	2280.1	2490.6	2813.3	3555.2	2199.4
65°	2094.2	2101.2	2095.9	2120.5	2143.3	2387.1	2787.0	2825.6	3072.9	3749.9	2346.7
67.5°	1140.0	1129.5	1259.3	1513.6	1866.2	2680.0	3607.8	3365.8	3393.8	3932.3	2448.5
70°	543.7	543.7	619.1	841.9	1338.2	2499.3	4330.4	4049.8	3739.3	4011.2	2436.2
72.5°	387.6	382.4	422.7	478.8	699.8	1971.4	4481.2	4469.0	3930.5	3897.2	2274.8
75°	314.0	317.5	333.2	363.1	331.5	1159.3	3990.1	4214.6	3751.6	3537.6	2011.7
77.5°	254.3	254.3	273.6	287.6	212.2	563.0	3097.4	3388.6	2974.6	2885.2	1478.5
80°	189.4	189.4	199.9	229.8	156.1	238.5	2192.4	2281.8	1962.6	1780.2	726.1
82.5°	115.8	108.7	122.8	161.4	112.3	136.8	1376.8	1241.8	985.7	552.5	215.7
85°	21.0	24.6	35.1	56.1	42.1	50.9	319.2	233.3	196.4	94.7	49.1
87.5°	0.0	0.0	0.0	1.8	3.5	5.3	7.0	8.8	8.8	7.0	5.3
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8
7.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
10°	5.3	5.3	3.5	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
12.5°	122.8	126.3	31.6	17.5	5.3	1.8	0.0	1.8	3.5	7.0	8.8
15°	277.1	261.3	201.7	103.5	59.6	7.0	3.5	29.8	80.7	87.7	93.0
17.5°	305.2	284.1	210.5	147.3	115.8	56.1	70.2	112.3	126.3	133.3	133.3
20°	452.5	398.1	257.8	171.9	136.8	149.1	122.8	133.3	147.3	159.6	166.6
22.5°	580.5	485.8	298.2	245.5	185.9	191.2	168.4	192.9	236.8	254.3	256.1
25°	699.8	542.0	314.0	273.6	266.6	217.5	238.5	240.3	261.3	271.9	273.6
27.5°	791.0	570.0	375.3	315.7	294.7	266.6	271.9	268.3	333.2	354.3	357.8
30°	801.5	547.2	392.9	357.8	324.5	308.7	292.9	347.3	373.6	382.4	382.4
32.5°	889.2	564.8	431.5	385.9	356.0	322.7	350.8	368.3	398.1	452.5	454.3
35°	796.3	503.4	447.2	419.2	378.8	350.8	366.6	413.9	471.8	484.1	482.3
37.5°	701.6	457.8	426.2	417.4	392.9	368.3	385.9	431.5	463.0	452.5	452.5
40°	624.4	426.2	410.4	403.4	391.1	359.6	394.6	412.2	447.2	436.7	435.0
42.5°	570.0	403.4	394.6	385.9	377.1	347.3	370.1	408.7	440.2	428.0	424.4
45°	552.5	389.4	384.1	371.8	356.0	329.7	354.3	403.4	433.2	420.9	417.4
47.5°	573.5	377.1	370.1	354.3	333.2	306.9	345.5	394.6	417.4	396.4	394.6
50°	634.9	371.8	356.0	335.0	314.0	299.9	333.2	373.6	392.9	373.6	373.6
52.5°	720.9	373.6	342.0	317.5	292.9	284.1	319.2	359.6	375.3	356.0	354.3
55°	813.8	378.8	324.5	299.9	266.6	271.9	312.2	352.5	357.8	336.8	335.0
57.5°	919.0	384.1	306.9	287.6	252.6	257.8	298.2	338.5	336.8	308.7	308.7
60°	1026.0	389.4	289.4	271.9	238.5	240.3	280.6	321.0	310.4	282.4	280.6
62.5°	1115.5	384.1	268.3	254.3	224.5	219.2	259.6	299.9	291.1	261.3	261.3
65°	1192.7	363.1	250.8	236.8	210.5	201.7	238.5	273.6	266.6	238.5	240.3
67.5°	1224.2	329.7	233.3	219.2	194.7	182.4	214.0	242.0	240.3	217.5	219.2
70°	1176.9	284.1	214.0	201.7	177.1	161.4	189.4	214.0	214.0	198.2	198.2
72.5°	1075.1	250.8	192.9	182.4	156.1	143.8	166.6	185.9	189.4	178.9	180.7
75°	961.1	219.2	168.4	163.1	138.6	122.8	142.1	161.4	164.9	159.6	159.6
77.5°	724.4	170.1	142.1	142.1	121.0	105.2	121.0	138.6	142.1	140.3	138.6
80°	366.6	121.0	114.0	121.0	100.0	87.7	100.0	115.8	121.0	131.5	131.5
82.5°	124.5	78.9	85.9	98.2	80.7	70.2	77.2	94.7	124.5	107.0	105.2
85°	35.1	35.1	45.6	52.6	54.4	47.4	54.4	89.4	71.9	61.4	59.6
87.5°	3.5	5.3	7.0	10.5	8.8	10.5	14.0	17.5	12.3	8.8	7.0
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)