

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: P695850

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695850
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-PA16-727-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA 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: 6028 lumens
Efficiency: N/A
Efficacy: 83.7 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

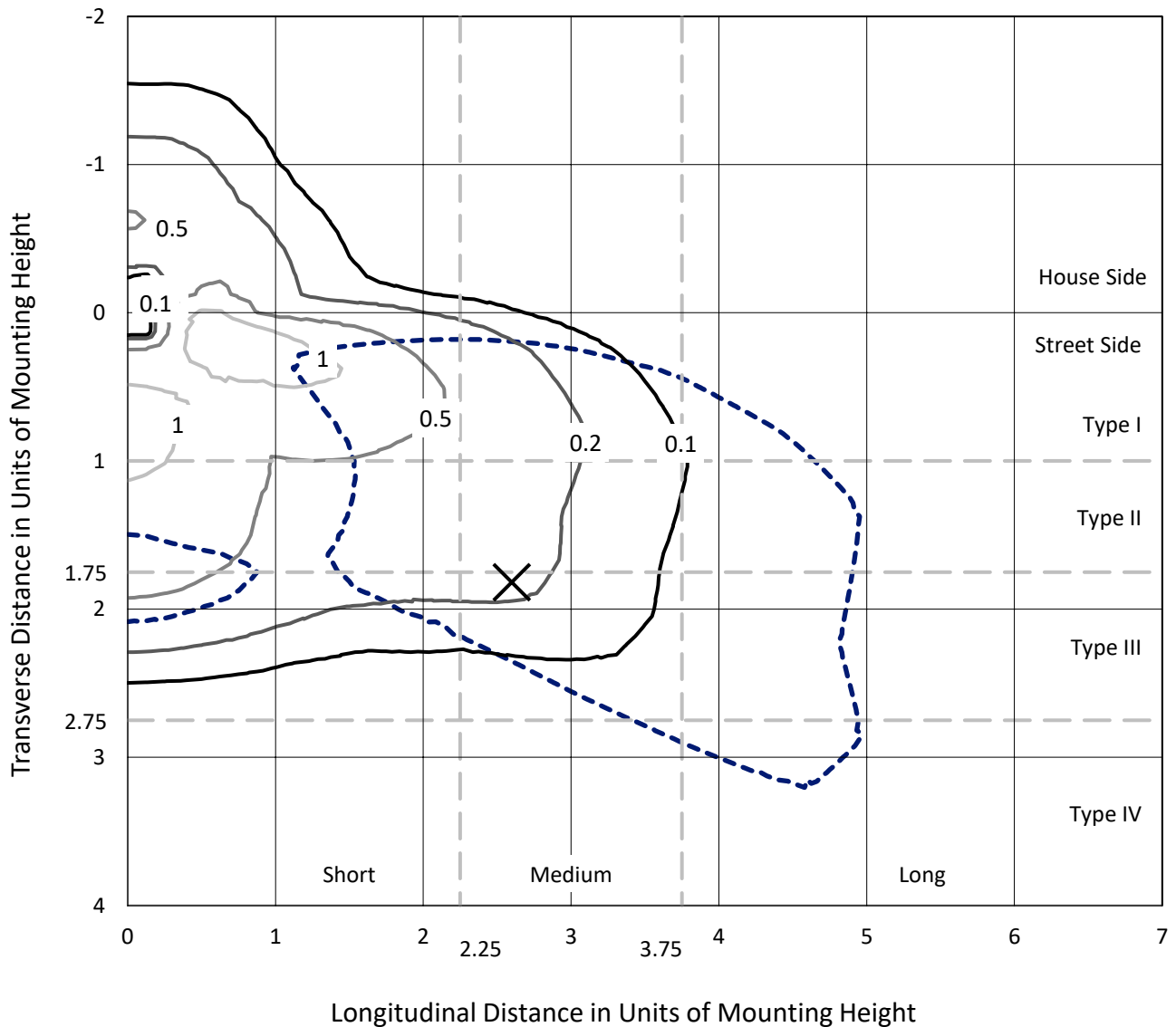
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

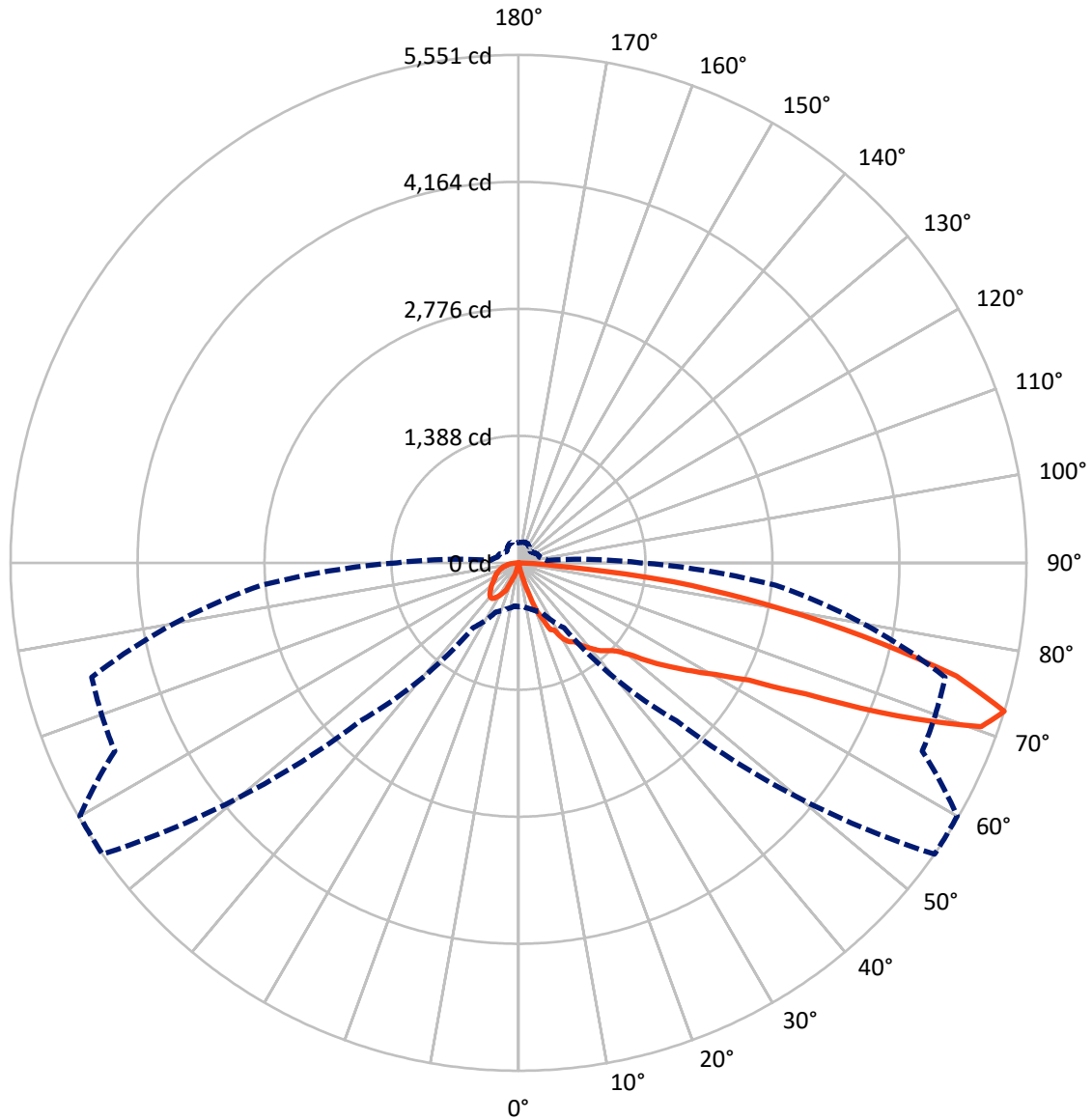
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type 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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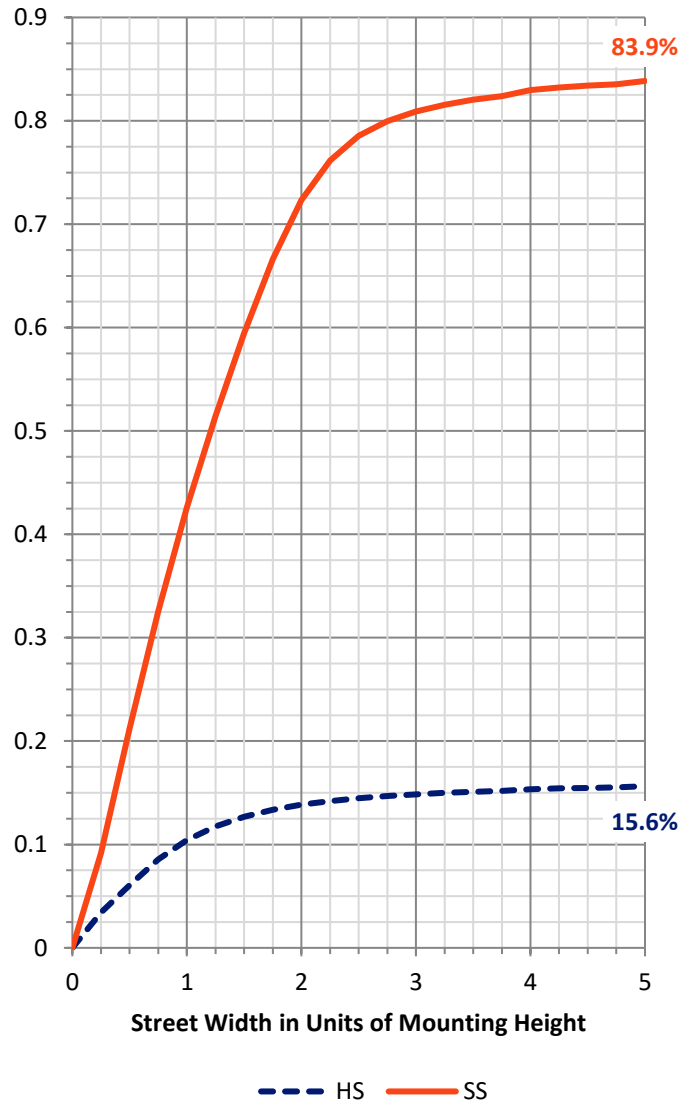
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.6	0.0	957.6
	% Fixture	15.9	0.0	15.9
Street Side	Lumens	5070.4	0.0	5070.4
	% Fixture	84.1	0.0	84.1
Total	Lumens	6028.0	0.0	6028.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	58.2	1.0
20°-30°	272.8	4.5
30°-40°	581.0	9.6
40°-50°	846.1	14.0
50°-60°	1232.8	20.5
60°-70°	1636.1	27.1
70°-80°	1204.6	20.0
80°-90°	196.0	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°	6028.0	100.0
0°-180°	6028.0	100.0

Coefficient of Utilization

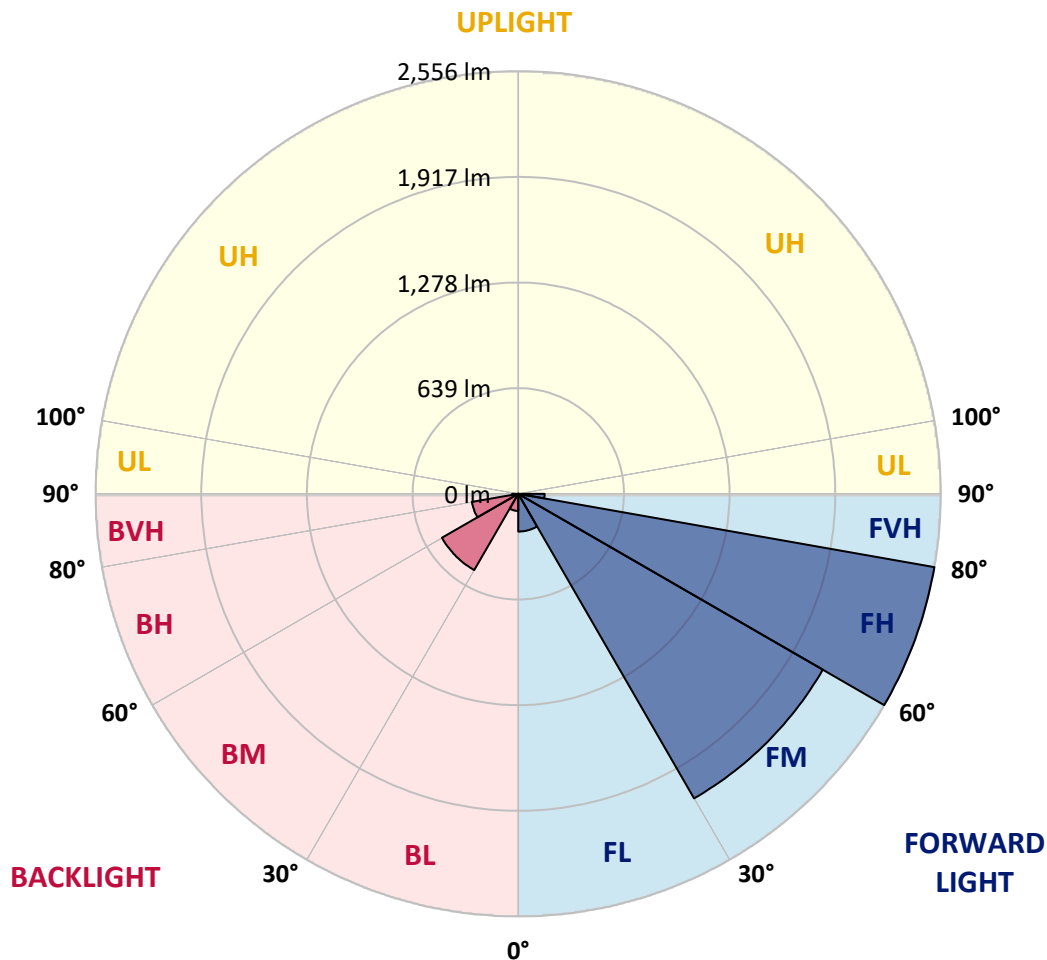


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.1	3.8			
FM (30°-60°)	2127.0	35.3			
FH (60°-80°)	2556.1	42.4			G2/5000
FVH (80°-90°)	159.1	2.6			G2/225
BL (0°-30°)	103.2	1.7	B0/110		
BM (30°-60°)	532.9	8.8	B1/1000		
BH (60°-80°)	284.6	4.7	B1/500		G1/500
BVH (80°-90°)	36.9	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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
10°	43.5	45.6	36.9	17.4	6.5	2.2	2.2	2.2	4.3	4.3	6.5
12.5°	345.5	349.8	343.3	139.1	65.2	13.0	8.7	15.2	23.9	36.9	145.6
15°	343.3	343.3	349.8	360.7	360.7	76.0	152.1	197.7	275.9	358.5	354.2
17.5°	362.8	360.7	352.0	347.6	371.5	423.7	321.6	386.7	393.3	406.3	397.6
20°	528.0	528.0	528.0	501.9	375.9	521.5	543.2	438.9	443.2	619.2	601.9
22.5°	578.0	575.8	558.4	545.4	567.1	517.1	656.2	753.9	743.1	843.0	790.9
25°	823.5	799.6	758.3	601.9	627.9	606.2	810.4	929.9	840.9	916.9	992.9
27.5°	960.4	943.0	906.0	819.1	669.2	734.4	830.0	977.7	1142.9	1310.2	1177.6
30°	1286.3	1268.9	1086.4	951.7	830.0	756.1	966.9	1160.2	1344.9	1373.2	1227.6
32.5°	1334.1	1336.2	1344.9	1216.7	975.6	836.5	1029.9	1199.4	1438.4	1725.2	1525.3
35°	1364.5	1362.3	1362.3	1262.4	1162.4	988.6	1060.3	1349.3	1653.5	1829.5	1510.1
37.5°	1455.7	1449.2	1438.4	1286.3	1229.8	1097.2	1155.9	1388.4	1773.0	1992.4	1494.8
40°	1566.5	1573.1	1544.8	1351.4	1275.4	1179.8	1231.9	1405.8	1914.2	2124.9	1488.3
42.5°	1723.0	1714.3	1666.5	1460.1	1342.8	1216.7	1314.5	1451.4	2018.5	2303.1	1501.4
45°	1899.0	1877.3	1809.9	1610.0	1442.7	1238.5	1368.8	1534.0	2111.9	2505.2	1547.0
47.5°	2081.5	2053.2	1957.6	1731.7	1547.0	1279.7	1438.4	1640.4	2218.4	2761.6	1631.7
50°	2255.3	2235.8	2114.1	1859.9	1655.6	1355.8	1570.9	1801.2	2363.9	3017.9	1775.1
52.5°	2429.1	2396.5	2246.6	1990.2	1759.9	1451.4	1788.2	2038.0	2559.5	3276.5	1931.6
55°	2616.0	2572.5	2379.2	2118.4	1846.8	1579.6	1998.9	2283.6	2792.0	3587.2	2124.9
57.5°	2926.7	2896.3	2620.3	2309.6	1970.7	1736.0	2227.1	2529.1	3041.8	3871.8	2318.3
60°	3278.7	3224.4	2952.8	2642.1	2229.2	1979.4	2479.1	2802.8	3280.8	4145.6	2533.4
62.5°	3265.6	3211.3	3020.1	2842.0	2561.7	2385.7	2824.6	3085.3	3485.1	4404.2	2724.6
65°	2594.3	2602.9	2596.4	2626.8	2655.1	2957.1	3452.5	3500.3	3806.6	4645.3	2907.1
67.5°	1412.3	1399.2	1560.0	1875.1	2311.8	3320.0	4469.3	4169.5	4204.3	4871.3	3033.2
70°	673.6	673.6	767.0	1042.9	1657.8	3096.2	5364.5	5016.9	4632.3	4969.1	3017.9
72.5°	480.2	473.7	523.6	593.2	866.9	2442.2	5551.4	5536.2	4869.1	4827.8	2818.0
75°	388.9	393.3	412.8	449.8	410.6	1436.2	4943.0	5221.1	4647.5	4382.4	2492.1
77.5°	315.0	315.0	338.9	356.3	262.9	697.5	3837.1	4197.7	3685.0	3574.2	1831.6
80°	234.7	234.7	247.7	284.6	193.4	295.5	2715.9	2826.7	2431.3	2205.3	899.5
82.5°	143.4	134.7	152.1	199.9	139.1	169.5	1705.6	1538.3	1221.1	684.4	267.2
85°	26.1	30.4	43.5	69.5	52.1	63.0	395.4	289.0	243.3	117.3	60.8
87.5°	0.0	0.0	0.0	2.2	4.3	6.5	8.7	10.9	10.9	8.7	6.5
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2
7.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
10°	6.5	6.5	4.3	2.2	2.2	0.0	0.0	0.0	2.2	2.2	2.2
12.5°	152.1	156.4	39.1	21.7	6.5	2.2	0.0	2.2	4.3	8.7	10.9
15°	343.3	323.7	249.9	128.2	73.9	8.7	4.3	36.9	99.9	108.6	115.2
17.5°	378.1	352.0	260.7	182.5	143.4	69.5	86.9	139.1	156.4	165.1	165.1
20°	560.6	493.2	319.4	212.9	169.5	184.7	152.1	165.1	182.5	197.7	206.4
22.5°	719.2	601.9	369.4	304.2	230.3	236.8	208.6	239.0	293.3	315.0	317.2
25°	866.9	671.4	388.9	338.9	330.3	269.4	295.5	297.7	323.7	336.8	338.9
27.5°	979.9	706.1	465.0	391.1	365.0	330.3	336.8	332.4	412.8	438.9	443.2
30°	992.9	677.9	486.7	443.2	402.0	382.4	362.8	430.2	462.8	473.7	473.7
32.5°	1101.6	699.6	534.5	478.0	441.1	399.8	434.5	456.3	493.2	560.6	562.7
35°	986.4	623.6	554.0	519.3	469.3	434.5	454.1	512.8	584.5	599.7	597.5
37.5°	869.1	567.1	528.0	517.1	486.7	456.3	478.0	534.5	573.6	560.6	560.6
40°	773.5	528.0	508.4	499.7	484.5	445.4	488.9	510.6	554.0	541.0	538.8
42.5°	706.1	499.7	488.9	478.0	467.1	430.2	458.4	506.2	545.4	530.1	525.8
45°	684.4	482.3	475.8	460.6	441.1	408.5	438.9	499.7	536.7	521.5	517.1
47.5°	710.5	467.1	458.4	438.9	412.8	380.2	428.0	488.9	517.1	491.0	488.9
50°	786.5	460.6	441.1	415.0	388.9	371.5	412.8	462.8	486.7	462.8	462.8
52.5°	893.0	462.8	423.7	393.3	362.8	352.0	395.4	445.4	465.0	441.1	438.9
55°	1008.2	469.3	402.0	371.5	330.3	336.8	386.7	436.7	443.2	417.2	415.0
57.5°	1138.5	475.8	380.2	356.3	312.9	319.4	369.4	419.3	417.2	382.4	382.4
60°	1271.1	482.3	358.5	336.8	295.5	297.7	347.6	397.6	384.6	349.8	347.6
62.5°	1381.9	475.8	332.4	315.0	278.1	271.6	321.6	371.5	360.7	323.7	323.7
65°	1477.5	449.8	310.7	293.3	260.7	249.9	295.5	338.9	330.3	295.5	297.7
67.5°	1516.6	408.5	289.0	271.6	241.2	226.0	265.1	299.8	297.7	269.4	271.6
70°	1457.9	352.0	265.1	249.9	219.4	199.9	234.7	265.1	265.1	245.5	245.5
72.5°	1331.9	310.7	239.0	226.0	193.4	178.2	206.4	230.3	234.7	221.6	223.8
75°	1190.7	271.6	208.6	202.1	171.6	152.1	176.0	199.9	204.2	197.7	197.7
77.5°	897.3	210.8	176.0	176.0	149.9	130.4	149.9	171.6	176.0	173.8	171.6
80°	454.1	149.9	141.2	149.9	123.8	108.6	123.8	143.4	149.9	163.0	163.0
82.5°	154.3	97.8	106.5	121.7	99.9	86.9	95.6	117.3	154.3	132.5	130.4
85°	43.5	43.5	56.5	65.2	67.4	58.7	67.4	110.8	89.1	76.0	73.9
87.5°	4.3	6.5	8.7	13.0	10.9	13.0	17.4	21.7	15.2	10.9	8.7
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)