

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: P696035

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696035
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-PA16-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5576 lumens
Efficiency: N/A
Efficacy: 77.4 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

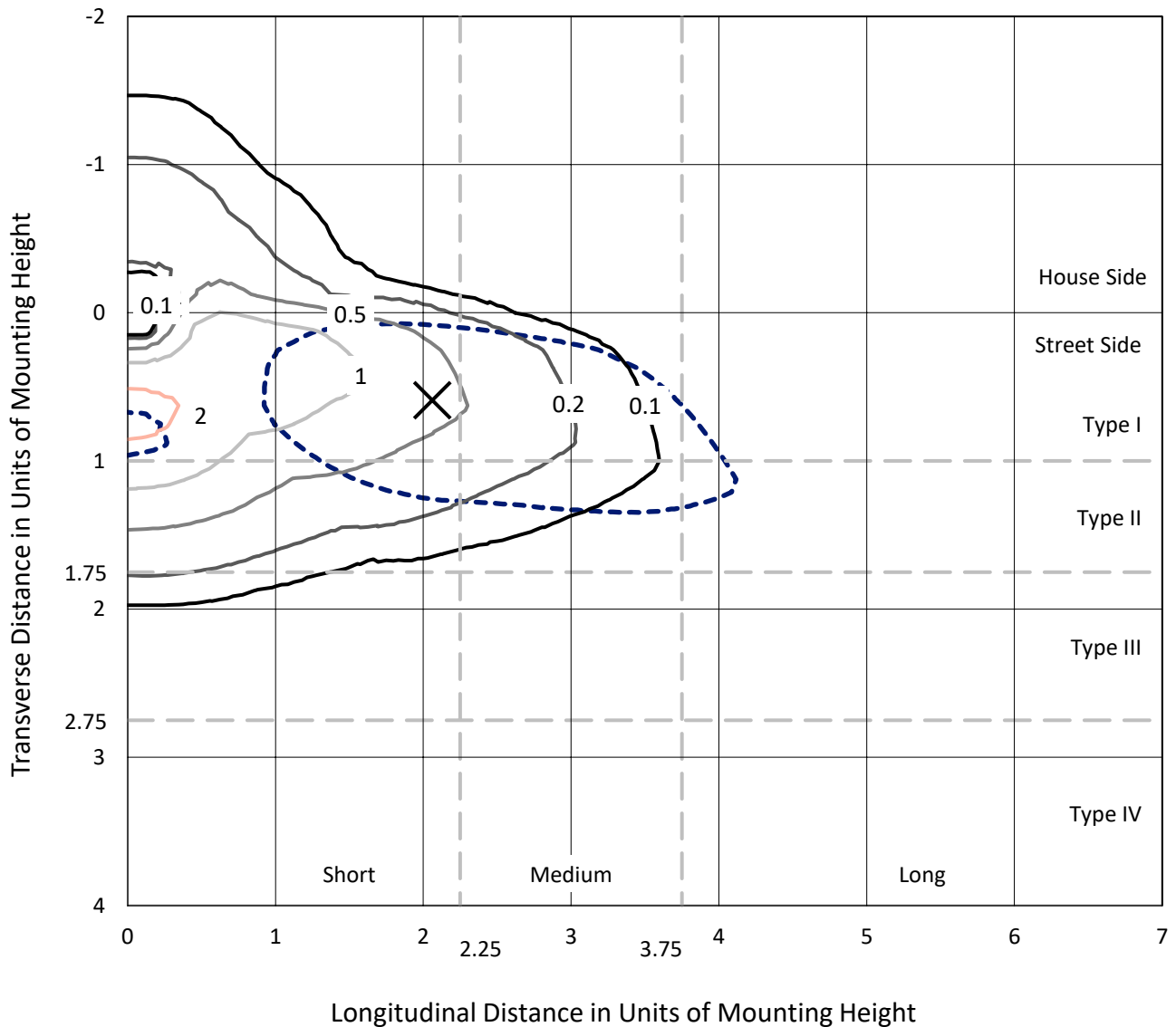
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

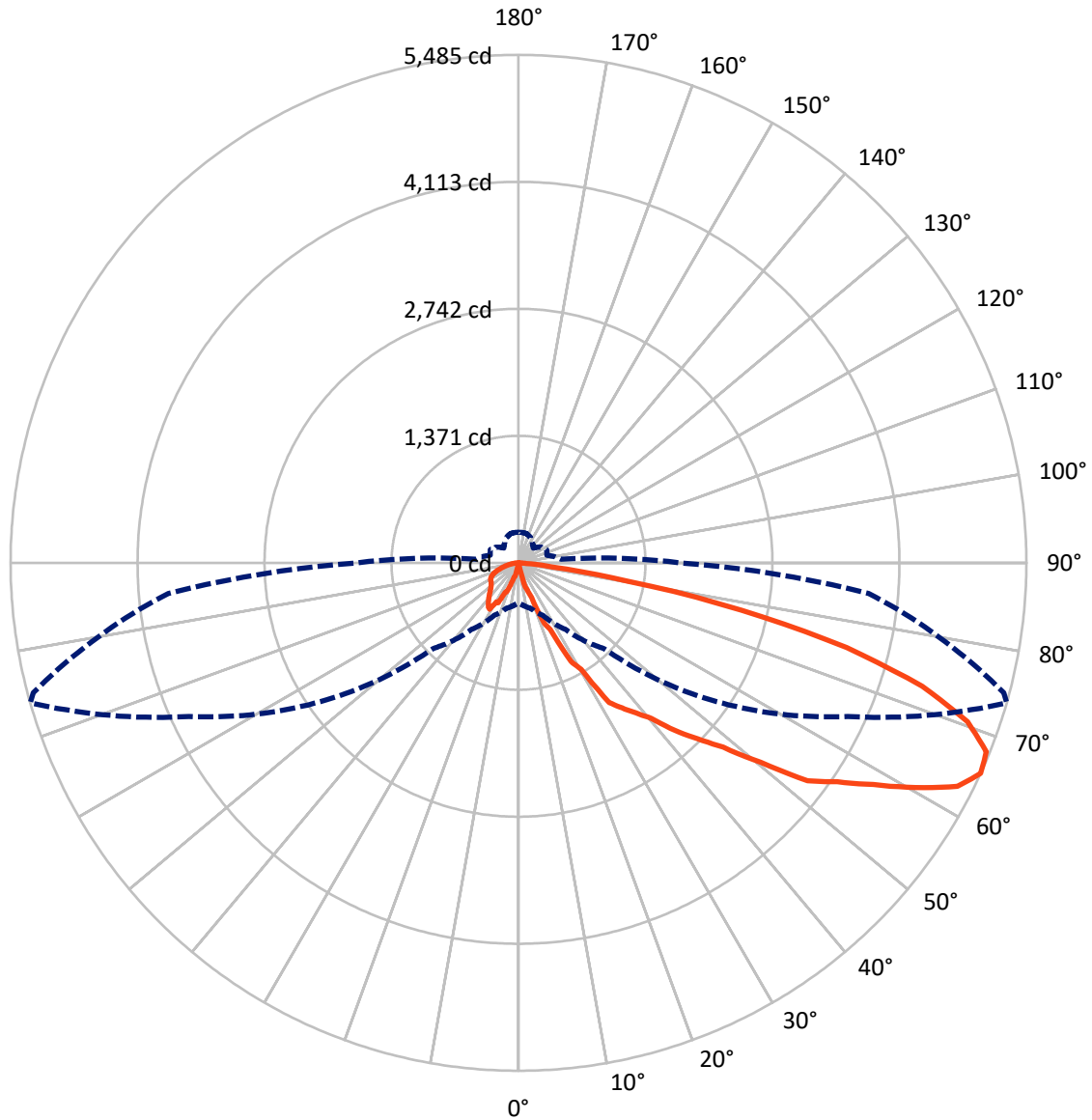
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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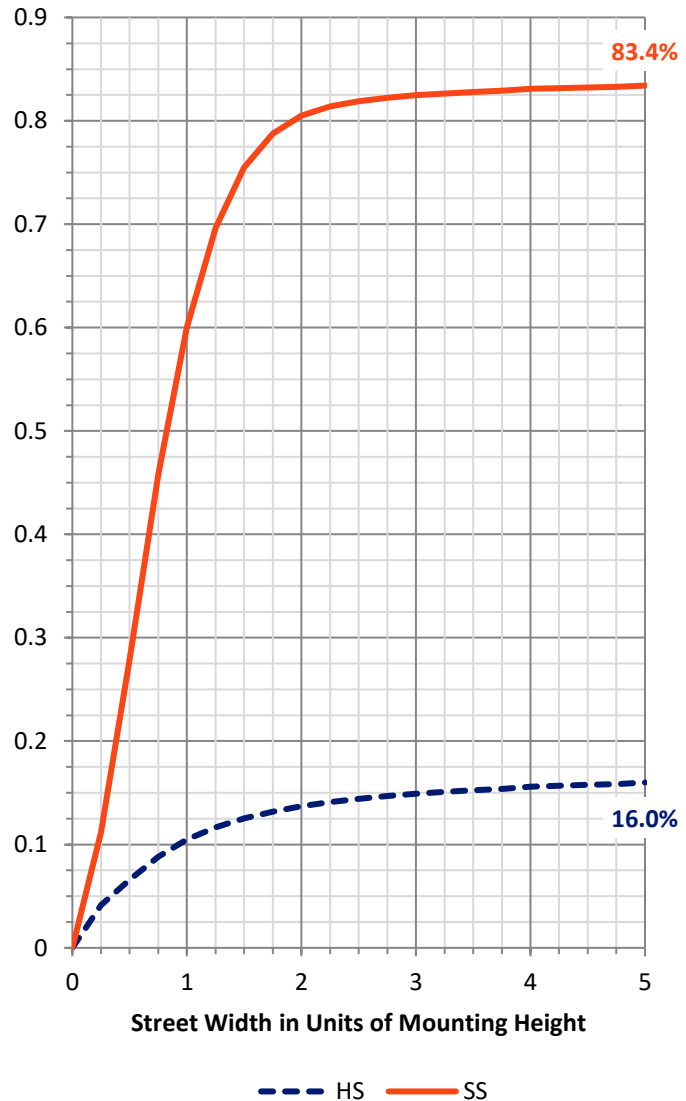
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	913.7	0.0	913.7
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	4662.3	0.0	4662.3
	% Fixture	83.6	0.0	83.6
Total	Lumens	5576.0	0.0	5576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	54.5	1.0
20°-30°	328.8	5.9
30°-40°	796.2	14.3
40°-50°	1115.9	20.0
50°-60°	1318.3	23.6
60°-70°	1209.0	21.7
70°-80°	655.0	11.7
80°-90°	98.2	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°	5576.0	100.0
0°-180°	5576.0	100.0

Coefficient of Utilization



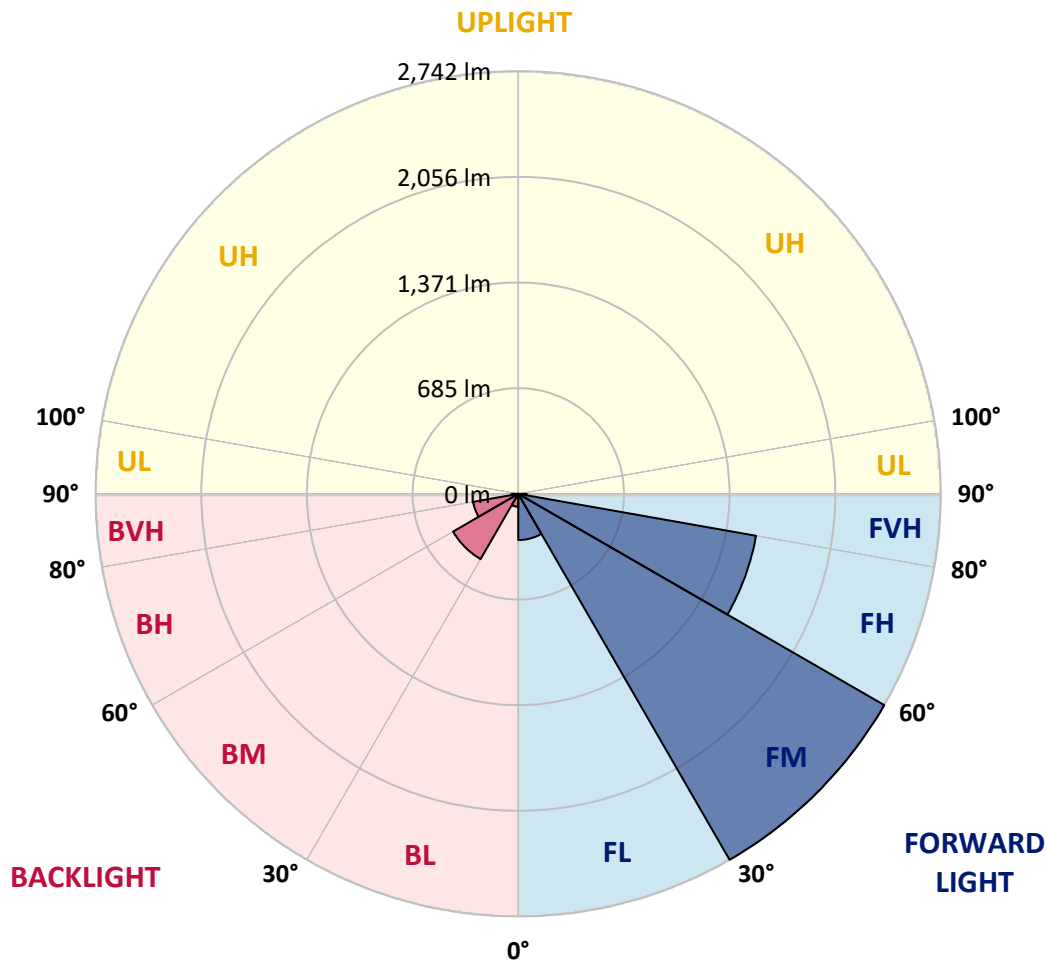
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.9	5.4			
FM (30°-60°)	2741.7	49.2			
FH (60°-80°)	1566.4	28.1			G1/1800
FVH (80°-90°)	54.3	1.0			G1/100
BL (0°-30°)	83.6	1.5	B0/110		
BM (30°-60°)	488.7	8.8	B1/1000		
BH (60°-80°)	297.5	5.3	B1/500		G1/500
BVH (80°-90°)	43.9	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	27.3	25.3	19.5	11.7	5.8	1.9	1.9	1.9	1.9	1.9	1.9
12.5°	335.1	335.1	331.2	303.9	39.0	13.6	3.9	9.7	19.5	23.4	25.3
15°	379.9	376.0	376.0	372.1	362.4	83.8	37.0	292.3	266.9	259.1	198.7
17.5°	586.5	662.4	450.1	418.9	407.2	335.1	319.5	344.9	305.9	300.0	229.9
20°	892.3	892.3	886.5	876.8	473.5	652.7	613.7	395.5	401.4	483.2	457.9
22.5°	997.6	993.7	974.2	960.5	1032.6	707.3	666.3	726.7	709.2	703.4	537.7
25°	1601.5	1584.0	1556.7	1095.0	1130.0	993.7	989.8	929.4	794.9	781.3	617.6
27.5°	1751.6	1737.9	1714.6	1562.6	1291.8	1305.4	1036.5	1114.5	1204.1	1211.9	927.4
30°	2497.8	2476.4	2207.5	1732.1	1636.6	1422.3	1447.6	1412.6	1332.7	1301.5	1001.5
32.5°	2667.3	2655.6	2605.0	2260.1	1778.8	1685.3	1621.0	1558.7	1798.3	1757.4	1408.7
35°	2801.7	2780.3	2729.6	2345.8	2174.4	1958.1	1771.1	1960.0	1925.0	1886.0	1484.6
37.5°	2875.8	2852.4	2801.7	2441.3	2279.6	2055.5	2100.3	2078.9	2055.5	2039.9	1566.5
40°	2862.1	2842.7	2811.5	2503.6	2343.9	2115.9	2260.1	2227.0	2207.5	2289.3	1667.8
42.5°	2797.8	2778.4	2756.9	2534.8	2380.9	2160.7	2394.5	2439.3	2476.4	2460.8	1780.8
45°	2665.3	2647.8	2647.8	2503.6	2361.4	2197.7	2511.4	2657.6	2710.2	2651.7	1926.9
47.5°	2527.0	2513.4	2515.3	2417.9	2324.4	2232.8	2655.6	2834.9	2973.2	2903.0	2137.3
50°	2336.1	2330.2	2359.5	2336.1	2279.6	2236.7	2813.4	3129.1	3386.2	3362.9	2456.9
52.5°	2055.5	2059.4	2141.2	2193.8	2190.0	2209.4	2887.5	3411.6	3908.4	3846.1	2702.4
55°	1813.9	1800.3	1866.5	1987.3	2028.2	2162.7	2928.4	3487.6	4175.3	4114.9	2910.8
57.5°	1510.0	1511.9	1586.0	1710.7	1821.7	2053.6	2963.4	3625.9	4518.2	4448.1	3201.1
60°	1130.0	1169.0	1250.8	1377.5	1539.2	1872.4	2957.6	3814.9	4929.3	4884.5	3534.3
62.5°	738.4	752.1	867.0	991.7	1241.1	1638.6	2856.3	3951.3	5319.0	5237.2	3754.5
65°	430.6	455.9	508.5	627.4	874.8	1311.2	2612.7	3924.0	5484.6	5424.2	3795.4
67.5°	290.3	294.2	319.5	387.7	547.5	943.0	2205.5	3666.8	5447.6	5393.0	3682.4
70°	243.5	245.5	253.3	261.1	315.6	609.8	1599.6	3154.4	5143.7	5102.7	3407.7
72.5°	218.2	220.2	224.1	218.2	222.1	352.7	1050.2	2616.6	4557.2	4506.5	2951.8
75°	198.7	198.7	198.7	194.8	189.0	216.3	584.5	2008.8	3662.9	3555.7	2244.5
77.5°	173.4	173.4	171.5	171.5	169.5	161.7	286.4	1418.4	2462.7	2357.5	1324.9
80°	142.2	142.2	142.2	144.2	142.2	120.8	153.9	853.4	1192.4	1169.0	512.4
82.5°	85.7	87.7	99.4	115.0	113.0	85.7	103.3	393.6	362.4	341.0	159.8
85°	11.7	9.7	27.3	39.0	46.8	31.2	42.9	89.6	83.8	87.7	39.0
87.5°	0.0	0.0	0.0	1.9	1.9	3.9	5.8	5.8	5.8	5.8	5.8
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	0.0
5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	31.2	29.2	19.5	7.8	0.0	0.0	0.0	0.0	0.0	1.9	1.9
15°	177.3	161.7	148.1	124.7	25.3	3.9	1.9	13.6	31.2	70.1	72.1
17.5°	202.6	183.1	165.6	153.9	138.3	40.9	29.2	142.2	150.0	150.0	150.0
20°	391.6	346.8	239.6	173.4	150.0	124.7	136.4	153.9	159.8	161.7	161.7
22.5°	450.1	389.7	337.1	296.1	173.4	214.3	200.7	167.6	263.0	270.8	272.8
25°	512.4	440.3	356.5	309.8	294.2	220.2	229.9	259.1	278.6	278.6	278.6
27.5°	752.1	615.7	496.8	356.5	315.6	268.9	282.5	266.9	288.4	352.7	364.3
30°	804.7	643.0	494.9	397.5	335.1	313.7	282.5	348.8	374.1	374.1	372.1
32.5°	1098.9	841.7	611.8	395.5	362.4	309.8	339.0	360.4	378.0	403.3	413.1
35°	1143.7	839.7	588.4	455.9	356.5	325.4	344.9	383.8	448.1	457.9	452.0
37.5°	1178.8	824.2	553.3	434.5	383.8	339.0	354.6	420.8	450.1	446.2	438.4
40°	1219.7	802.7	514.4	418.9	370.2	339.0	378.0	418.9	430.6	413.1	409.2
42.5°	1270.3	775.4	479.3	399.4	356.5	337.1	374.1	395.5	395.5	391.6	387.7
45°	1340.5	750.1	446.2	378.0	350.7	329.3	364.3	364.3	387.7	383.8	381.9
47.5°	1463.2	724.8	416.9	360.4	342.9	319.5	339.0	352.7	379.9	378.0	376.0
50°	1595.7	697.5	393.6	348.8	335.1	307.8	309.8	341.0	372.1	370.2	368.2
52.5°	1679.5	648.8	376.0	344.9	327.3	296.1	300.0	331.2	366.3	362.4	358.5
55°	1741.8	605.9	364.3	342.9	319.5	268.9	292.3	323.4	358.5	352.7	348.8
57.5°	1827.6	570.9	356.5	346.8	313.7	249.4	282.5	315.6	350.7	344.9	344.9
60°	1911.3	541.6	348.8	348.8	311.7	239.6	274.7	309.8	342.9	341.0	341.0
62.5°	1909.4	506.6	335.1	346.8	309.8	231.9	268.9	303.9	335.1	337.1	335.1
65°	1743.8	461.8	315.6	335.1	296.1	226.0	261.1	303.9	327.3	329.3	329.3
67.5°	1533.4	405.3	284.5	315.6	272.8	222.1	255.2	298.1	313.7	323.4	323.4
70°	1293.7	333.2	245.5	288.4	249.4	218.2	255.2	288.4	298.1	317.6	315.6
72.5°	1059.9	263.0	204.6	251.3	224.1	214.3	257.2	274.7	278.6	303.9	296.1
75°	806.6	198.7	163.7	204.6	192.9	210.4	253.3	255.2	253.3	261.1	249.4
77.5°	524.1	150.0	132.5	155.9	159.8	200.7	245.5	231.9	220.2	214.3	208.5
80°	239.6	107.2	101.3	120.8	118.8	185.1	231.9	206.5	189.0	179.2	171.5
82.5°	97.4	70.1	70.1	87.7	81.8	161.7	208.5	177.3	155.9	148.1	144.2
85°	27.3	29.2	31.2	46.8	48.7	124.7	167.6	138.3	113.0	167.6	153.9
87.5°	3.9	3.9	3.9	5.8	5.8	7.8	23.4	31.2	40.9	17.5	15.6
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)