

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: P695600

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5718 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

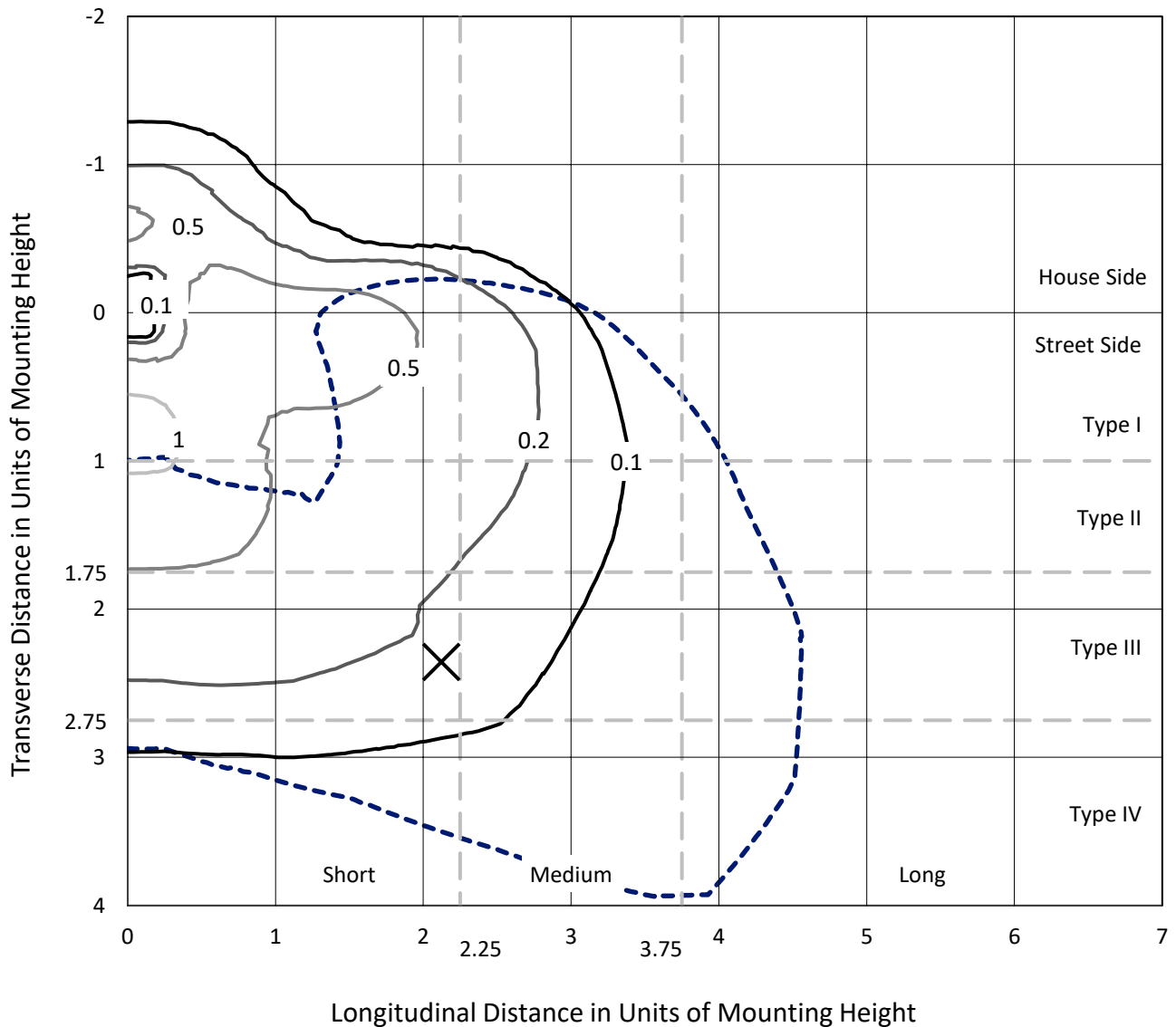
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

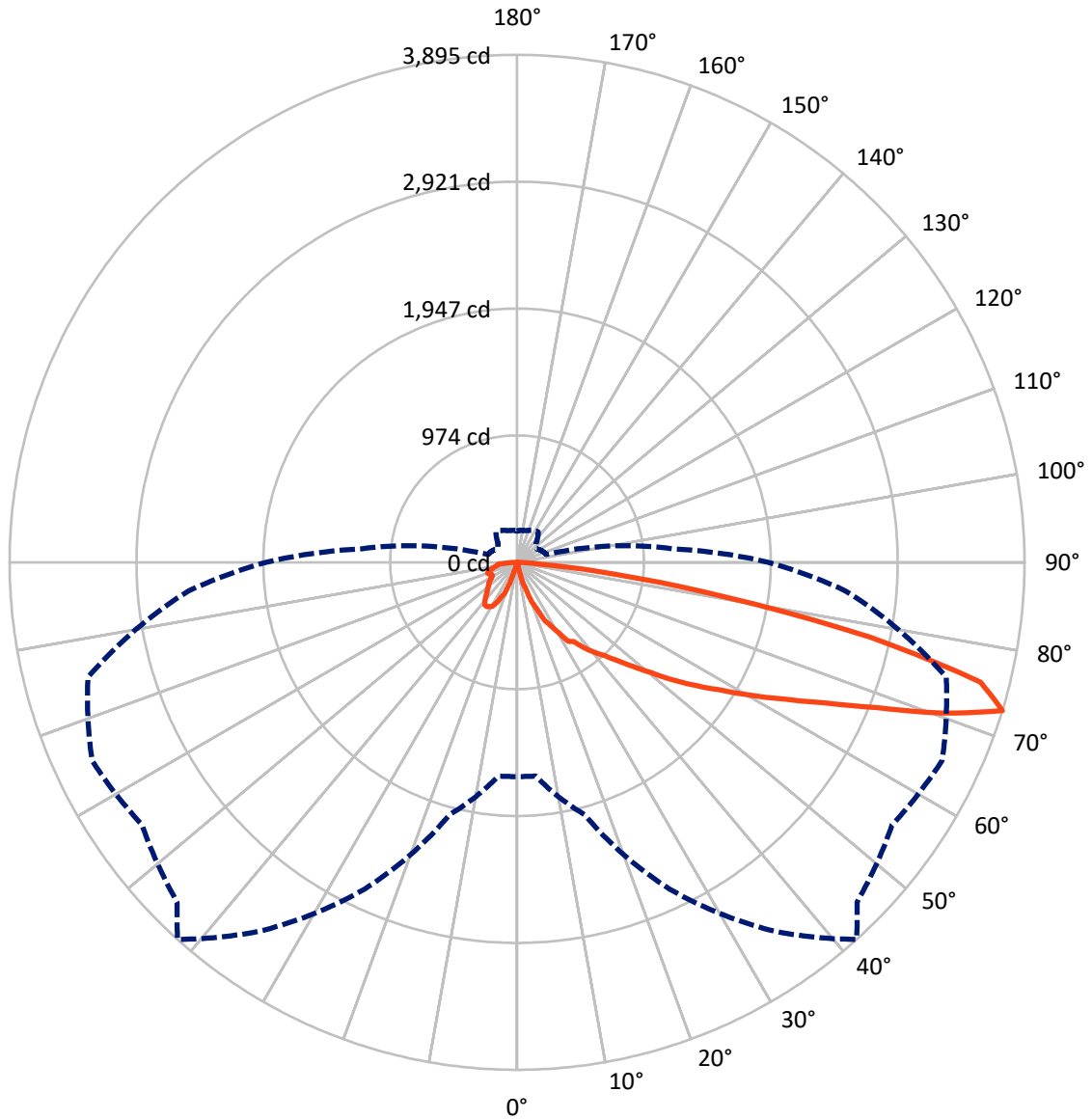
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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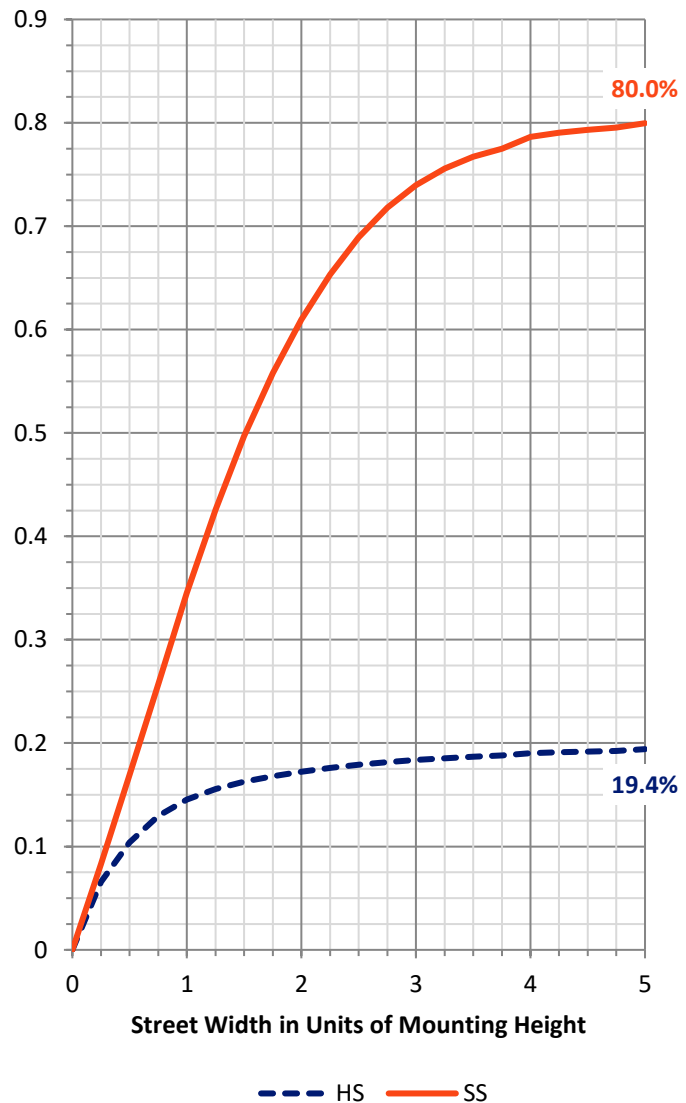
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1140.2	0.0	1140.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	4577.9	0.0	4577.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	5718.0	0.0	5718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	40.5	0.7
20°-30°	217.1	3.8
30°-40°	491.8	8.6
40°-50°	727.6	12.7
50°-60°	1118.4	19.6
60°-70°	1641.2	28.7
70°-80°	1312.2	22.9
80°-90°	168.8	3.0
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°	5718.0	100.0
0°-180°	5718.0	100.0

Coefficient of Utilization

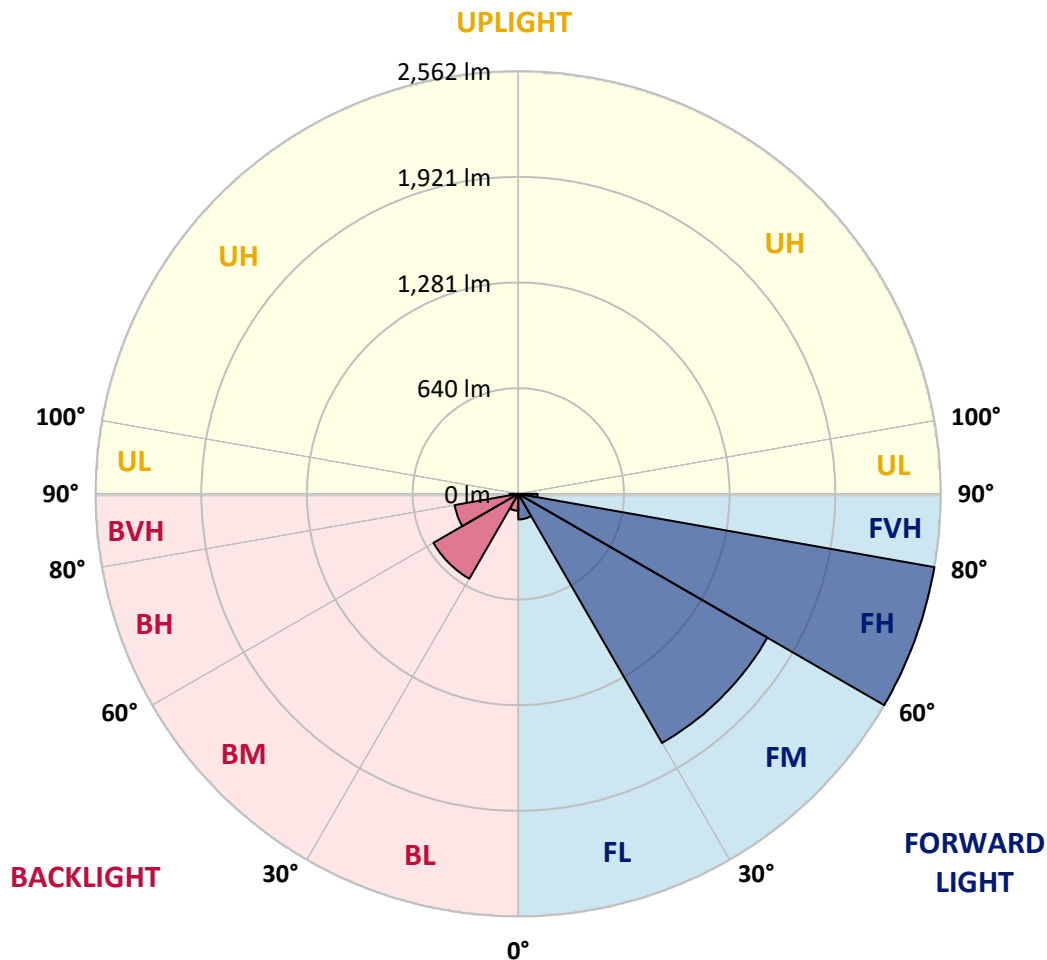


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.4	2.7			
FM (30°-60°)	1744.1	30.5			
FH (60°-80°)	2561.7	44.8			G2/5000
FVH (80°-90°)	116.6	2.0			G2/225
BL (0°-30°)	102.5	1.8	B0/110		
BM (30°-60°)	593.8	10.4	B1/1000		
BH (60°-80°)	391.7	6.8	B1/500		G1/500
BVH (80°-90°)	52.2	0.9			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	48.9	45.0	39.1	15.7	5.9	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	209.4	209.4	203.5	187.9	43.1	23.5	11.7	3.9	13.7	29.4	37.2
15°	238.8	238.8	230.9	219.2	199.6	166.4	82.2	37.2	162.4	178.1	174.2
17.5°	426.7	393.4	287.7	248.6	223.1	203.5	201.6	185.9	203.5	199.6	195.7
20°	495.2	493.2	475.6	446.2	266.2	324.9	328.8	307.3	234.9	289.7	364.0
22.5°	536.3	528.4	497.1	463.8	489.3	389.5	360.1	338.6	391.4	434.5	424.7
25°	724.1	720.2	694.8	501.0	518.6	495.2	475.6	483.4	497.1	477.5	483.4
27.5°	771.1	761.3	728.1	653.7	565.6	550.0	589.1	528.4	585.2	702.6	688.9
30°	1117.5	1103.8	929.6	722.2	677.2	626.3	616.5	659.6	710.4	730.0	724.1
32.5°	1270.2	1254.5	1191.9	947.3	730.0	724.1	688.9	716.3	730.0	902.2	959.0
35°	1456.1	1440.5	1360.2	1076.4	880.7	745.7	753.5	726.1	861.1	923.8	990.3
37.5°	1585.3	1569.6	1522.7	1188.0	980.5	831.8	784.8	810.3	876.8	961.0	1027.5
40°	1706.6	1696.8	1667.5	1328.9	1088.2	904.2	839.6	845.5	910.1	1017.7	1076.4
42.5°	1831.9	1826.0	1810.4	1462.0	1186.0	976.6	908.1	888.5	982.5	1070.6	1148.8
45°	1943.4	1957.1	1949.3	1600.9	1291.7	1072.5	994.2	957.0	1070.6	1154.7	1262.4
47.5°	2000.2	2000.2	2043.3	1741.9	1405.2	1191.9	1099.9	1052.9	1186.0	1289.8	1422.8
50°	2080.4	2088.3	2092.2	1886.7	1559.8	1328.9	1217.3	1170.4	1305.4	1483.5	1687.1
52.5°	2291.8	2364.2	2195.9	2027.6	1753.6	1503.1	1344.6	1293.7	1462.0	1722.3	2025.6
55°	2366.2	2381.9	2334.9	2217.4	1918.0	1671.4	1485.5	1440.5	1704.7	2000.2	2399.5
57.5°	2430.8	2411.2	2471.9	2423.0	2133.3	1851.5	1655.7	1630.3	1965.0	2307.5	2777.2
60°	2493.4	2501.2	2587.4	2659.8	2331.0	2074.6	1843.6	1904.3	2229.2	2628.5	3135.4
62.5°	2548.2	2567.8	2718.5	2798.7	2505.2	2311.4	2092.2	2256.6	2524.7	2945.5	3428.9
65°	2501.2	2528.6	2837.9	2888.8	2742.0	2599.1	2377.9	2608.9	2886.8	3217.6	3614.9
67.5°	2430.8	2456.2	2818.3	3037.5	3014.0	2972.9	2728.3	2945.5	3264.5	3493.5	3605.1
70°	2213.5	2244.9	2618.7	3090.3	3356.5	3466.1	3201.9	3256.7	3550.3	3601.2	3239.1
72.5°	1644.0	1646.0	2006.1	2765.5	3458.3	3894.7	3689.2	3513.1	3599.2	3409.4	2532.6
75°	778.9	769.2	1033.4	1757.5	2894.6	3673.6	3675.5	3442.6	3248.9	2794.8	1630.3
77.5°	229.0	232.9	326.8	726.1	1855.4	2777.2	2953.3	2822.2	2475.8	1565.7	716.3
80°	115.5	125.3	162.4	252.5	808.3	1620.5	1845.6	1822.1	1405.2	522.6	246.6
82.5°	56.8	58.7	88.1	137.0	352.3	753.5	964.9	845.5	448.2	250.5	125.3
85°	15.7	13.7	25.4	47.0	109.6	160.5	193.8	158.5	135.0	105.7	50.9
87.5°	0.0	2.0	2.0	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
10°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
12.5°	37.2	33.3	25.4	13.7	3.9	2.0	2.0	2.0	2.0	3.9	3.9
15°	170.3	168.3	166.4	152.7	33.3	5.9	3.9	17.6	60.7	92.0	111.6
17.5°	193.8	191.8	189.8	185.9	172.2	43.1	56.8	154.6	185.9	187.9	189.8
20°	358.2	350.3	264.2	205.5	189.8	172.2	164.4	189.8	197.7	203.5	205.5
22.5°	416.9	409.0	391.4	364.0	219.2	266.2	248.6	207.5	324.9	350.3	354.2
25°	473.6	463.8	422.7	389.5	371.9	283.8	315.1	334.7	367.9	375.8	379.7
27.5°	679.1	653.7	602.8	432.5	405.1	342.5	367.9	354.2	422.7	493.2	499.1
30°	722.2	696.7	626.3	518.6	428.6	395.3	367.9	461.9	510.8	526.5	534.3
32.5°	962.9	937.5	810.3	522.6	456.0	389.5	430.6	471.7	506.9	612.6	622.4
35°	1000.1	968.8	822.0	604.8	440.4	405.1	426.7	489.3	583.2	618.5	624.3
37.5°	1041.2	1006.0	810.3	567.6	467.8	407.1	416.9	481.5	536.3	551.9	559.7
40°	1103.8	1051.0	790.7	526.5	440.4	383.6	405.1	442.3	473.6	467.8	473.6
42.5°	1188.0	1105.8	759.4	479.5	407.1	352.3	375.8	399.3	418.8	401.2	397.3
45°	1293.7	1184.1	724.1	438.4	371.9	324.9	346.4	366.0	379.7	348.4	344.5
47.5°	1446.3	1274.1	681.1	395.3	342.5	303.4	322.9	336.6	344.5	315.1	309.2
50°	1653.8	1393.5	632.2	360.1	317.1	283.8	307.3	315.1	309.2	287.7	283.8
52.5°	1914.1	1575.5	583.2	332.7	295.5	270.1	291.6	289.7	283.8	268.1	266.2
55°	2239.0	1818.2	542.1	313.1	277.9	256.4	272.0	272.0	270.1	256.4	256.4
57.5°	2579.5	2047.2	493.2	295.5	258.3	236.8	256.4	260.3	258.3	248.6	246.6
60°	2863.3	2235.1	420.8	279.9	236.8	221.2	242.7	250.5	248.6	238.8	236.8
62.5°	3025.8	2264.4	346.4	258.3	219.2	207.5	234.9	246.6	260.3	266.2	266.2
65°	3059.0	2145.0	297.5	242.7	207.5	203.5	242.7	277.9	289.7	297.5	301.4
67.5°	2924.0	1896.5	268.1	232.9	199.6	211.4	276.0	295.5	283.8	279.9	279.9
70°	2550.2	1573.5	246.6	221.2	189.8	221.2	287.7	281.8	266.2	270.1	268.1
72.5°	1929.7	1197.8	230.9	209.4	180.1	205.5	283.8	270.1	250.5	246.6	238.8
75°	1168.4	702.6	213.3	195.7	156.6	182.0	272.0	258.3	238.8	230.9	225.1
77.5°	452.1	324.9	193.8	180.1	135.0	160.5	252.5	246.6	227.0	211.4	209.4
80°	191.8	172.2	166.4	158.5	115.5	139.0	227.0	229.0	199.6	180.1	174.2
82.5°	107.6	105.7	129.2	129.2	95.9	123.3	205.5	205.5	176.1	164.4	150.7
85°	35.2	41.1	68.5	78.3	70.5	115.5	199.6	189.8	152.7	127.2	121.3
87.5°	3.9	3.9	7.8	15.7	17.6	29.4	56.8	66.5	47.0	39.1	39.1
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)