

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: INVUE

Report Number: P553772

Luminaire Tested: **LXS-VA3-740-U-AST-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-17-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA3-740-U-AST-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8200 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

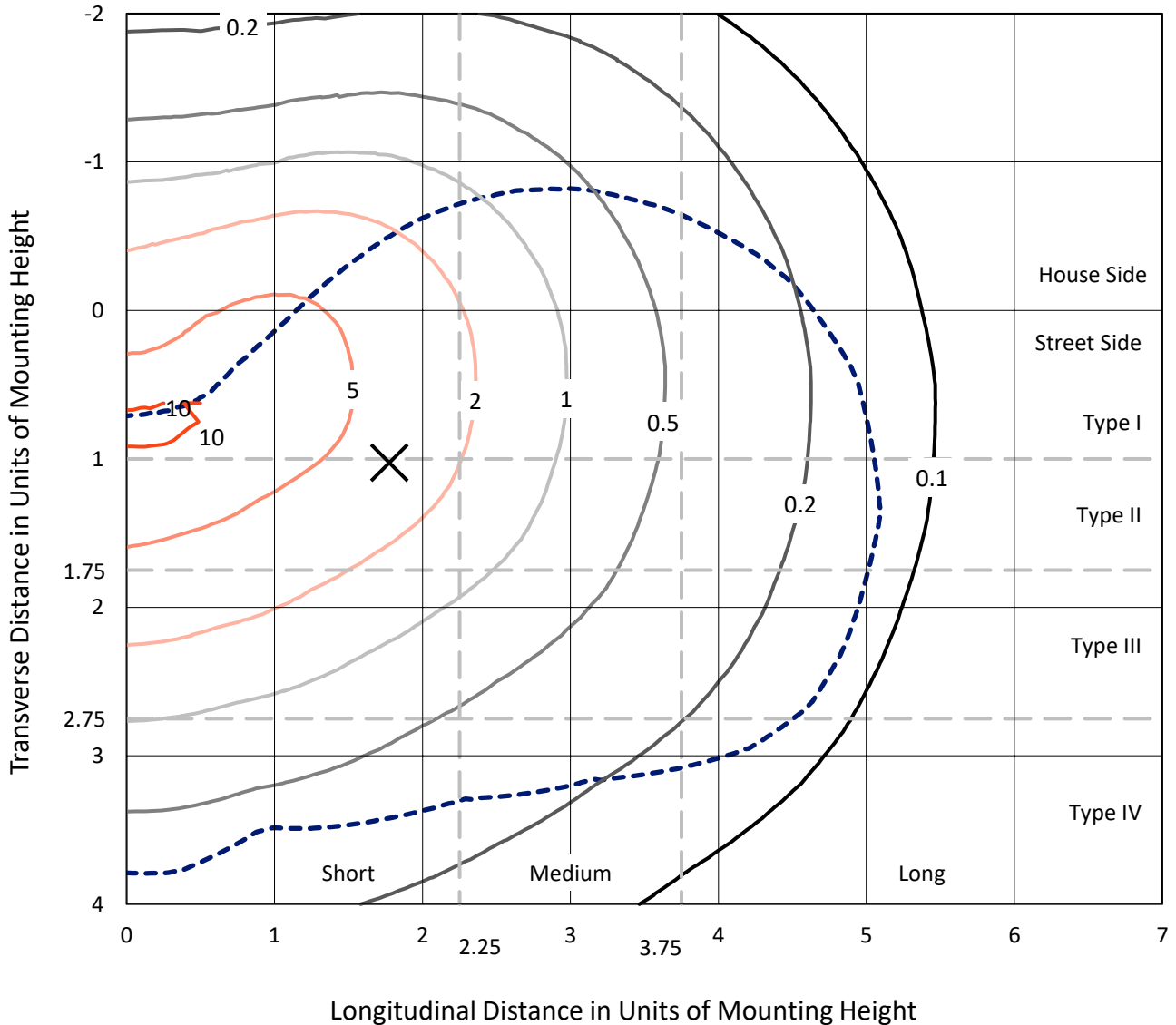
Input Watts (W): 99
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

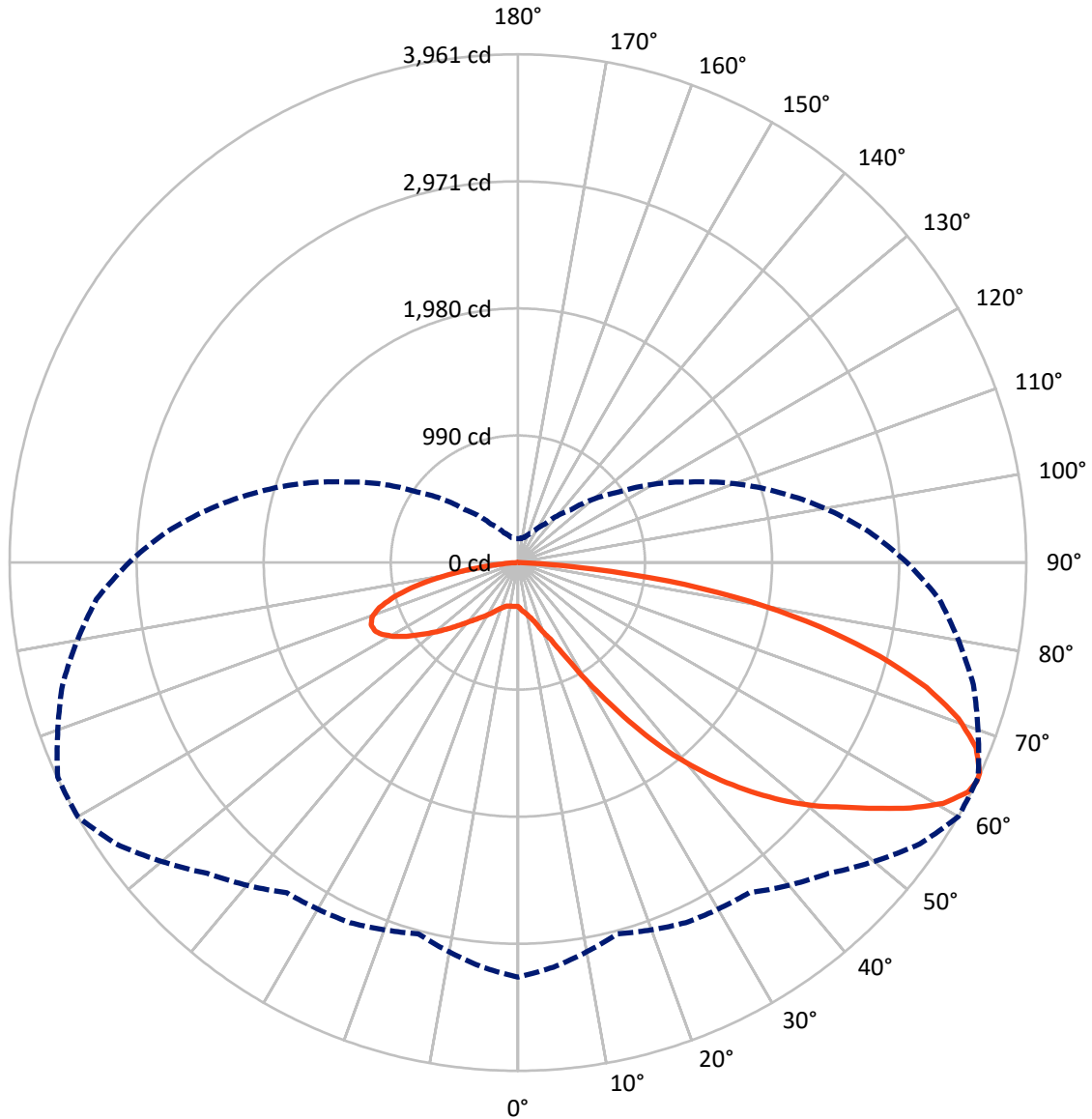
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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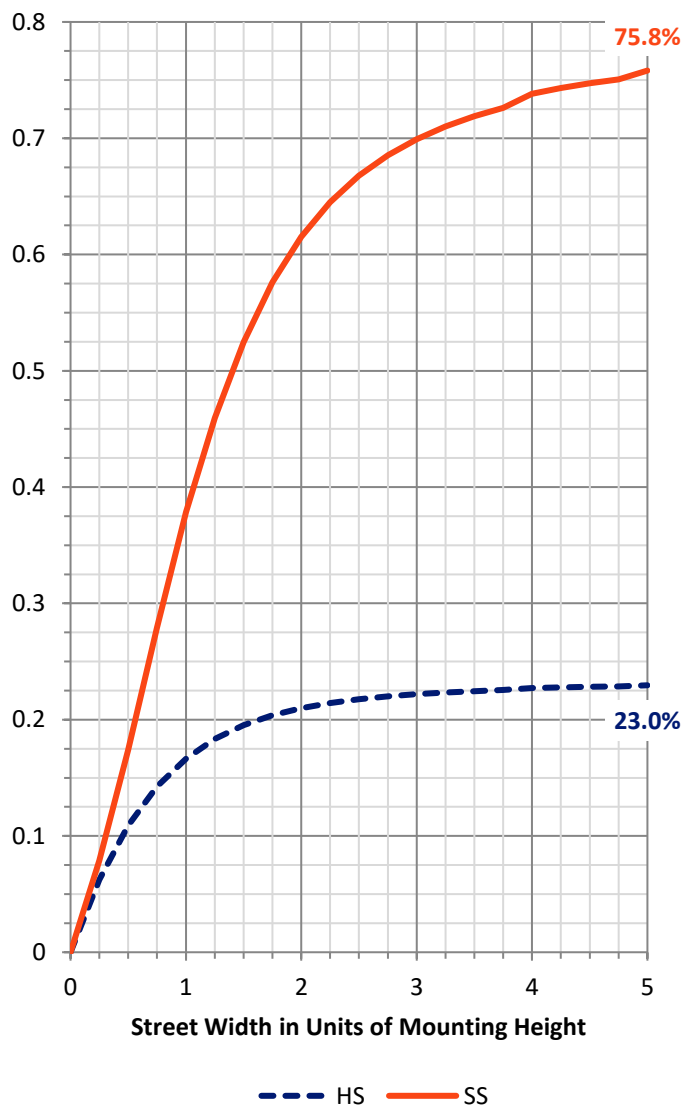
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1896.8	0.0	1896.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6303.2	0.0	6303.2
	% Fixture	76.9	0.0	76.9
Total	Lumens	8200.0	0.0	8200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	0.4
10°-20°	119.7	1.5
20°-30°	280.3	3.4
30°-40°	657.2	8.0
40°-50°	1187.5	14.5
50°-60°	1752.2	21.4
60°-70°	2127.5	25.9
70°-80°	1652.9	20.2
80°-90°	388.0	4.7
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°	8200.0	100.0
0°-180°	8200.0	100.0

Coefficient of Utilization



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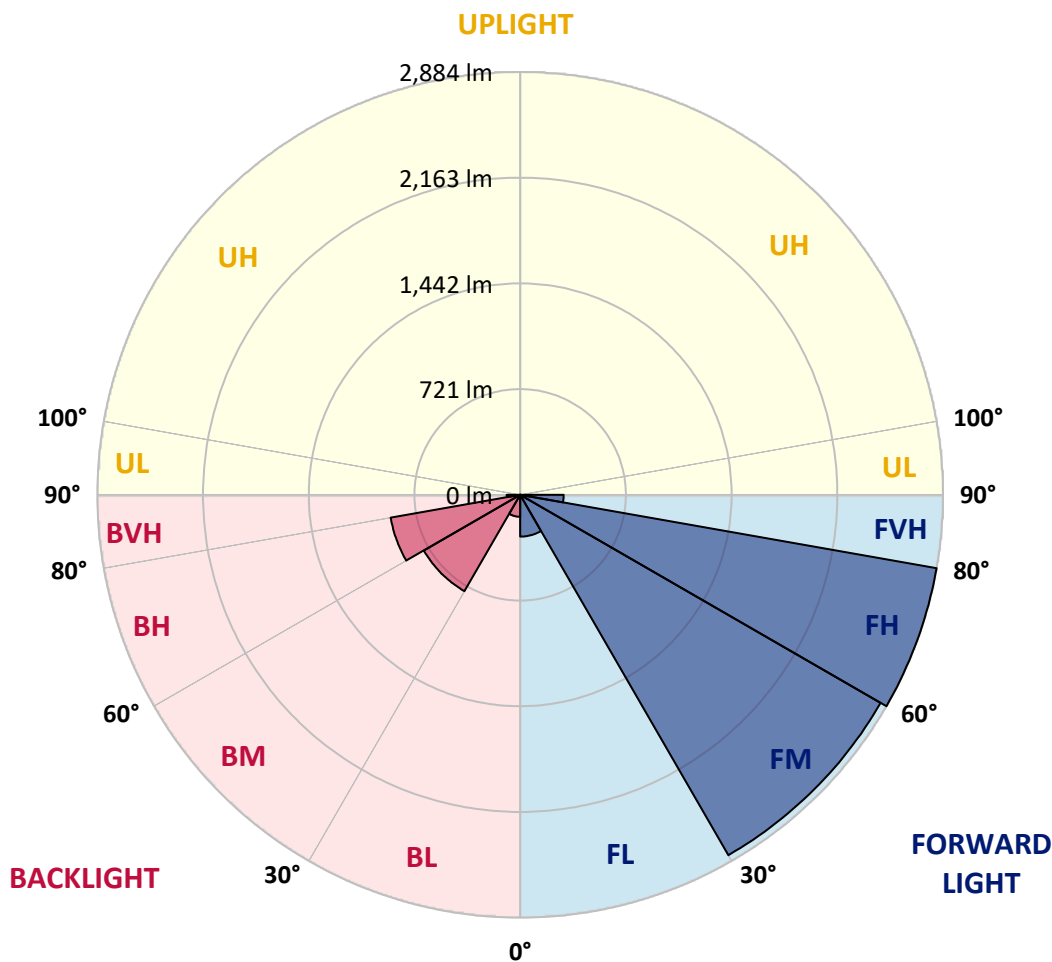
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.8	3.5			
FM (30°-60°)	2838.2	34.6			
FH (60°-80°)	2883.7	35.2			G2/5000
FVH (80°-90°)	296.5	3.6			G3/500
BL (0°-30°)	149.9	1.8	B1/500		
BM (30°-60°)	758.6	9.3	B1/1000		
BH (60°-80°)	896.8	10.9	B2/1000		G2/1000
BVH (80°-90°)	91.5	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5
2.5°	373.6	373.6	373.6	370.1	370.1	366.7	359.7	359.7	356.3	352.8	349.4
5°	394.3	394.3	394.3	390.9	390.9	387.4	380.5	380.5	377.0	370.1	363.2
7.5°	411.6	415.1	411.6	411.6	408.2	404.7	397.8	394.3	390.9	384.0	373.6
10°	449.7	446.2	442.8	439.3	432.4	425.5	418.6	415.1	411.6	401.3	387.4
12.5°	484.3	480.8	480.8	473.9	467.0	456.6	446.2	442.8	439.3	425.5	408.2
15°	522.3	522.3	518.9	515.4	508.5	498.1	480.8	473.9	470.4	453.1	425.5
17.5°	588.1	588.1	581.1	577.7	567.3	560.4	539.6	529.2	515.4	494.7	463.5
20°	667.6	667.6	667.6	667.6	646.9	619.2	598.4	588.1	570.8	539.6	505.0
22.5°	764.5	764.5	761.0	767.9	754.1	695.3	660.7	646.9	629.6	598.4	556.9
25°	923.6	927.0	916.7	906.3	871.7	819.8	761.0	750.6	736.8	681.4	629.6
27.5°	1055.0	1058.5	1079.2	1075.8	1013.5	961.6	920.1	892.5	875.2	778.3	709.1
30°	1248.7	1248.7	1273.0	1273.0	1221.1	1148.4	1120.8	1086.2	1034.3	902.8	795.6
32.5°	1591.2	1584.3	1608.5	1515.1	1470.1	1387.1	1356.0	1297.2	1214.2	1058.5	909.7
35°	2020.1	2009.7	2009.7	1854.1	1729.6	1681.1	1598.1	1560.1	1456.3	1248.7	1048.1
37.5°	2245.0	2245.0	2276.1	2127.4	2020.1	1933.6	1864.5	1829.9	1733.0	1480.5	1210.7
40°	2400.6	2414.5	2449.1	2334.9	2269.2	2155.0	2134.3	2078.9	1995.9	1726.1	1404.4
42.5°	2514.8	2528.6	2566.7	2494.0	2456.0	2369.5	2369.5	2317.6	2258.8	1971.7	1615.4
45°	2573.6	2584.0	2608.2	2639.3	2584.0	2559.7	2590.9	2545.9	2497.5	2217.3	1847.2
47.5°	2694.7	2701.6	2646.2	2684.3	2687.7	2729.2	2784.6	2767.3	2725.8	2442.1	2072.0
50°	2715.4	2725.8	2729.2	2732.7	2801.9	2843.4	2947.2	2978.3	2929.9	2653.1	2300.3
52.5°	2805.3	2781.1	2729.2	2843.4	2833.0	2926.4	3089.0	3165.1	3113.2	2860.7	2511.3
55°	3203.1	3130.5	2995.6	3026.7	3002.5	3147.8	3331.1	3379.6	3317.3	3061.3	2701.6
57.5°	3348.4	3279.2	3161.6	3185.8	3196.2	3358.8	3587.1	3607.9	3559.4	3261.9	2888.4
60°	3320.8	3248.1	3144.3	3223.9	3261.9	3455.7	3763.5	3808.5	3787.7	3452.2	3082.1
62.5°	3306.9	3230.8	3050.9	3178.9	3206.6	3462.6	3829.2	3936.5	3929.6	3607.9	3237.7
64°	3230.8	3165.1	2995.6	3095.9	3140.9	3424.5	3822.3	3960.7	3957.2	3673.6	3296.5
65°	3130.5	3085.5	2940.3	3023.3	3089.0	3379.6	3798.1	3953.8	3946.9	3694.3	3320.8
67.5°	2819.2	2805.3	2743.1	2839.9	2947.2	3241.2	3673.6	3850.0	3863.8	3673.6	3320.8
70°	2556.3	2542.5	2480.2	2615.1	2729.2	3023.3	3469.5	3642.5	3659.7	3528.3	3220.4
72.5°	2300.3	2296.9	2200.0	2348.7	2449.1	2729.2	3165.1	3331.1	3355.3	3261.9	3006.0
75°	2006.3	2013.2	1919.8	2016.7	2117.0	2366.0	2750.0	2912.6	2933.3	2878.0	2670.4
77.5°	1670.8	1674.2	1594.7	1667.3	1767.6	1957.9	2300.3	2407.5	2445.6	2400.6	2217.3
80°	1297.2	1307.5	1231.4	1279.9	1349.1	1501.3	1760.7	1833.3	1836.8	1802.2	1656.9
82.5°	937.4	902.8	833.6	871.7	940.9	1003.1	1162.3	1183.0	1165.7	1124.2	1010.1
85°	428.9	394.3	397.8	439.3	442.8	408.2	453.1	432.4	425.5	384.0	352.8
87.5°	17.3	13.8	13.8	13.8	10.4	6.9	10.4	6.9	6.9	6.9	6.9
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°	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5	342.5
2.5°	349.4	345.9	342.5	342.5	339.0	339.0	335.5	335.5	332.1	332.1	332.1
5°	359.7	356.3	349.4	345.9	339.0	335.5	332.1	325.2	321.7	321.7	321.7
7.5°	370.1	363.2	356.3	349.4	339.0	332.1	321.7	314.8	311.3	307.9	307.9
10°	380.5	377.0	363.2	349.4	339.0	325.2	314.8	307.9	304.4	300.9	300.9
12.5°	397.8	390.9	373.6	356.3	339.0	325.2	314.8	304.4	294.0	290.6	290.6
15°	415.1	404.7	384.0	359.7	339.0	325.2	307.9	294.0	283.6	276.7	276.7
17.5°	446.2	435.8	408.2	373.6	349.4	325.2	304.4	287.1	276.7	269.8	269.8
20°	487.7	470.4	432.4	390.9	359.7	328.6	304.4	283.6	266.4	259.4	256.0
22.5°	536.2	515.4	463.5	411.6	370.1	332.1	304.4	280.2	259.4	245.6	245.6
25°	595.0	567.3	498.1	439.3	384.0	339.0	307.9	276.7	256.0	242.1	242.1
27.5°	664.2	626.1	539.6	473.9	404.7	349.4	307.9	276.7	256.0	245.6	242.1
30°	740.3	695.3	588.1	505.0	425.5	356.3	311.3	273.3	252.5	245.6	245.6
32.5°	830.2	774.8	646.9	539.6	446.2	366.7	311.3	269.8	249.1	245.6	245.6
35°	944.3	868.2	709.1	577.7	467.0	377.0	311.3	269.8	249.1	238.7	238.7
37.5°	1089.6	982.4	785.2	622.6	491.2	387.4	314.8	273.3	249.1	235.2	235.2
40°	1259.1	1117.3	875.2	674.5	518.9	401.3	321.7	273.3	249.1	235.2	231.8
42.5°	1435.5	1276.4	975.5	736.8	553.5	415.1	325.2	276.7	245.6	231.8	228.3
45°	1639.6	1456.3	1093.1	809.4	591.5	432.4	332.1	280.2	242.1	228.3	224.8
47.5°	1857.5	1646.5	1228.0	892.5	629.6	449.7	339.0	280.2	238.7	224.8	221.4
50°	2072.0	1847.2	1383.6	982.4	674.5	470.4	345.9	280.2	238.7	221.4	217.9
52.5°	2269.2	2037.4	1532.4	1072.3	723.0	491.2	352.8	280.2	235.2	217.9	214.5
55°	2456.0	2213.8	1681.1	1169.2	781.8	515.4	359.7	276.7	231.8	214.5	211.0
57.5°	2632.4	2386.8	1823.0	1273.0	840.6	543.1	366.7	273.3	224.8	207.5	207.5
60°	2808.8	2549.4	1950.9	1366.4	895.9	560.4	370.1	269.8	221.4	200.6	200.6
62.5°	2964.5	2687.7	2061.6	1445.9	940.9	574.2	370.1	262.9	211.0	193.7	190.3
64°	3030.2	2746.5	2110.1	1484.0	958.2	581.1	366.7	256.0	204.1	186.8	186.8
65°	3061.3	2770.8	2134.3	1501.3	968.6	581.1	363.2	249.1	200.6	183.3	179.9
67.5°	3078.6	2784.6	2155.0	1515.1	968.6	570.8	349.4	235.2	186.8	166.0	166.0
70°	2992.1	2715.4	2106.6	1484.0	944.3	550.0	325.2	214.5	169.5	152.2	152.2
72.5°	2795.0	2549.4	1978.6	1394.0	875.2	508.5	297.5	193.7	152.2	134.9	134.9
75°	2480.2	2251.9	1750.3	1231.4	771.4	446.2	259.4	169.5	131.4	121.1	117.6
77.5°	2051.3	1881.8	1449.4	1006.6	636.5	363.2	211.0	138.4	110.7	100.3	100.3
80°	1518.6	1394.0	1051.6	733.3	467.0	269.8	159.1	107.2	86.5	79.6	79.6
82.5°	909.7	837.1	612.3	439.3	287.1	169.5	107.2	72.6	62.3	58.8	58.8
85°	314.8	294.0	204.1	162.6	131.4	83.0	55.3	41.5	41.5	34.6	34.6
87.5°	6.9	13.8	13.8	20.8	20.8	20.8	17.3	13.8	17.3	17.3	17.3
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)