

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: P553771

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-10-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-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8669 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

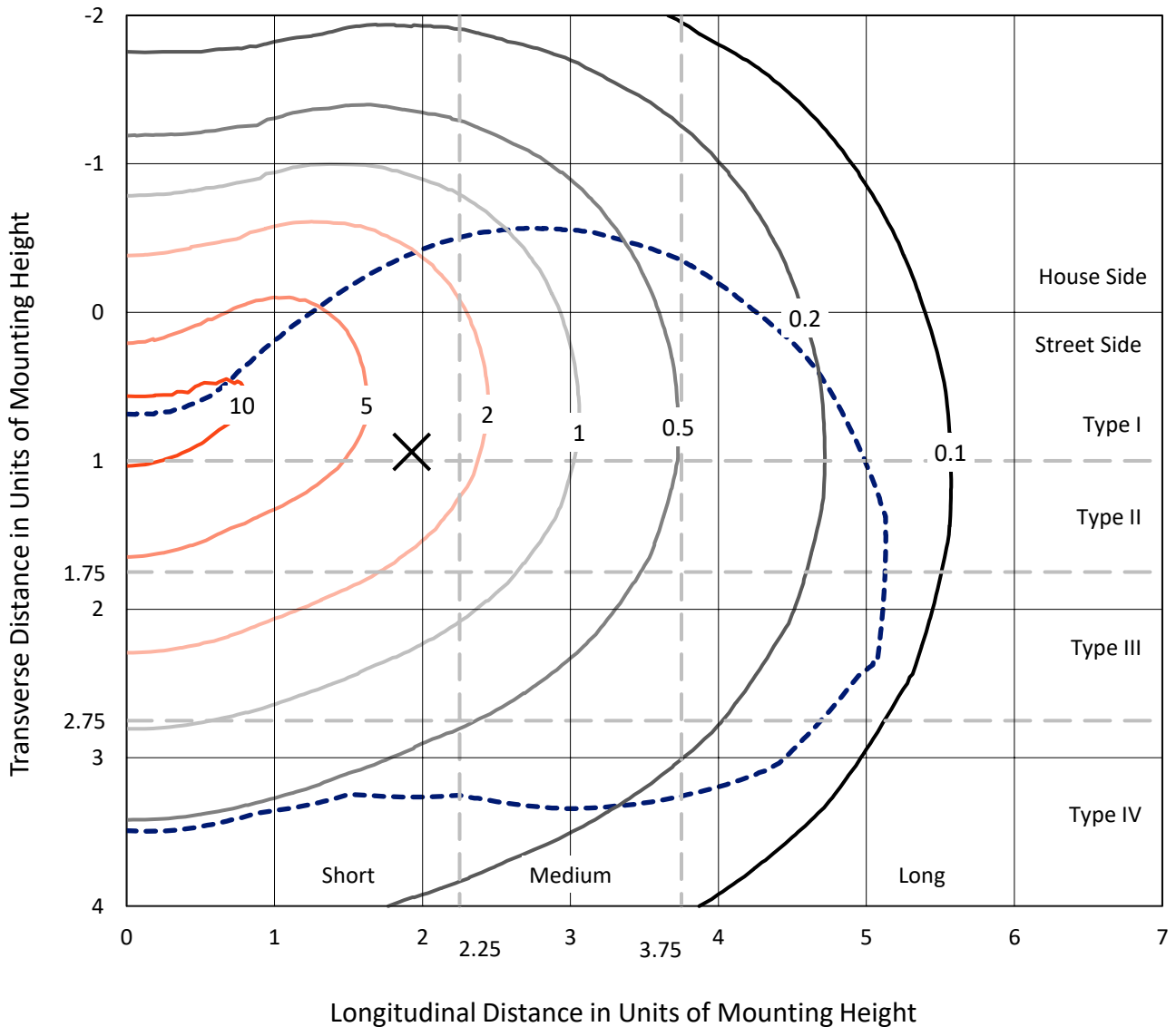
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

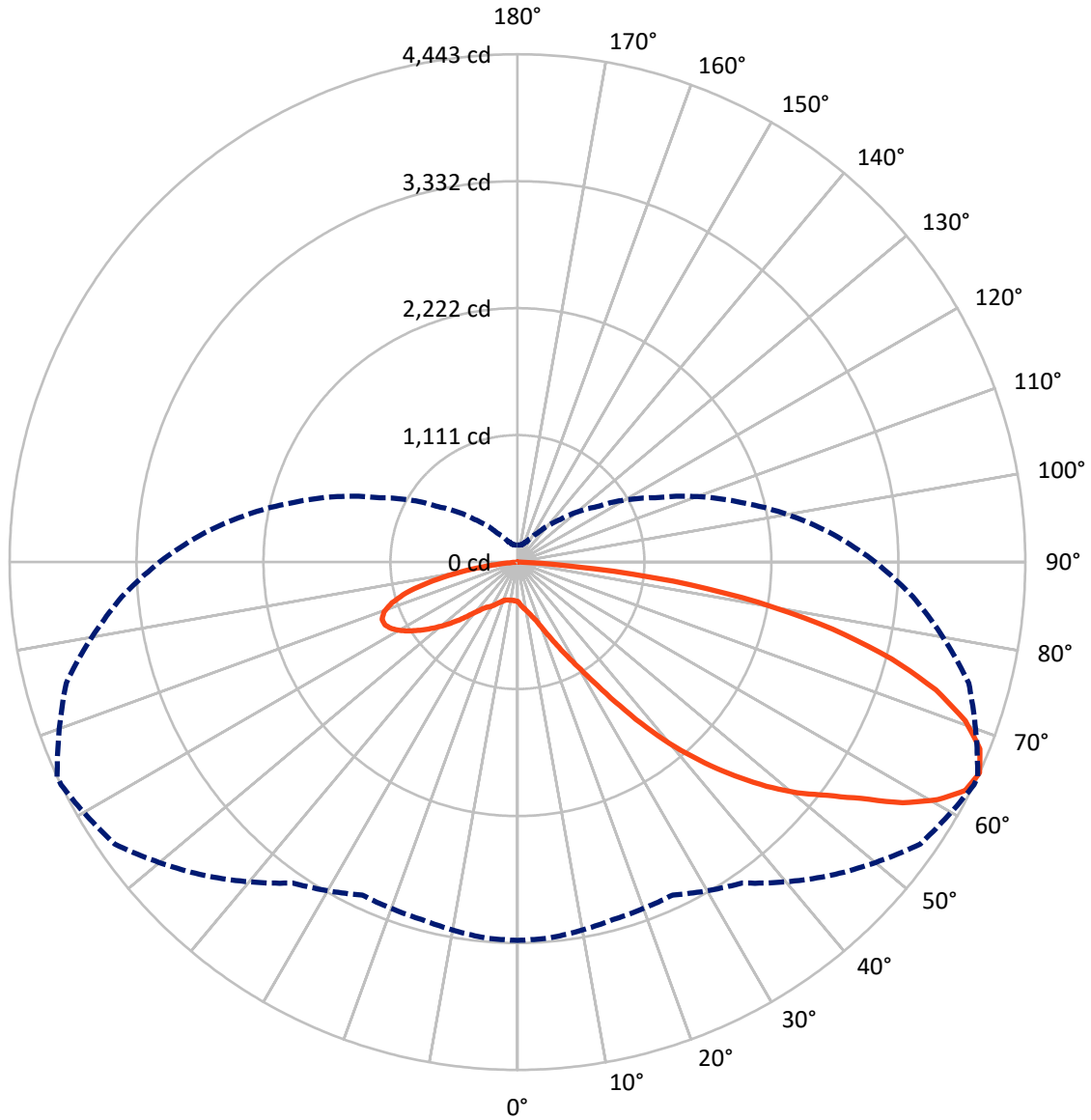
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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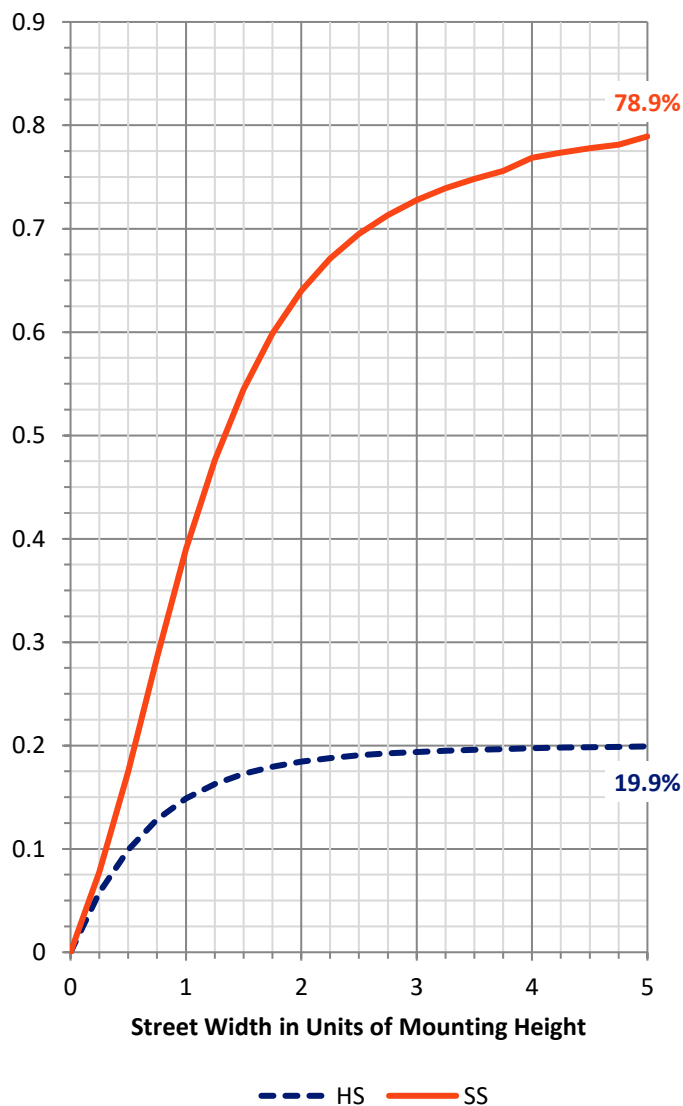
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.1	0.0	1734.1
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	6934.9	0.0	6934.9
	% Fixture	80.0	0.0	80.0
Total	Lumens	8669.0	0.0	8669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	0.4
10°-20°	124.2	1.4
20°-30°	293.2	3.4
30°-40°	692.7	8.0
40°-50°	1258.4	14.5
50°-60°	1856.7	21.4
60°-70°	2255.5	26.0
70°-80°	1750.1	20.2
80°-90°	402.8	4.6
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°	8669.0	100.0
0°-180°	8669.0	100.0

Coefficient of Utilization



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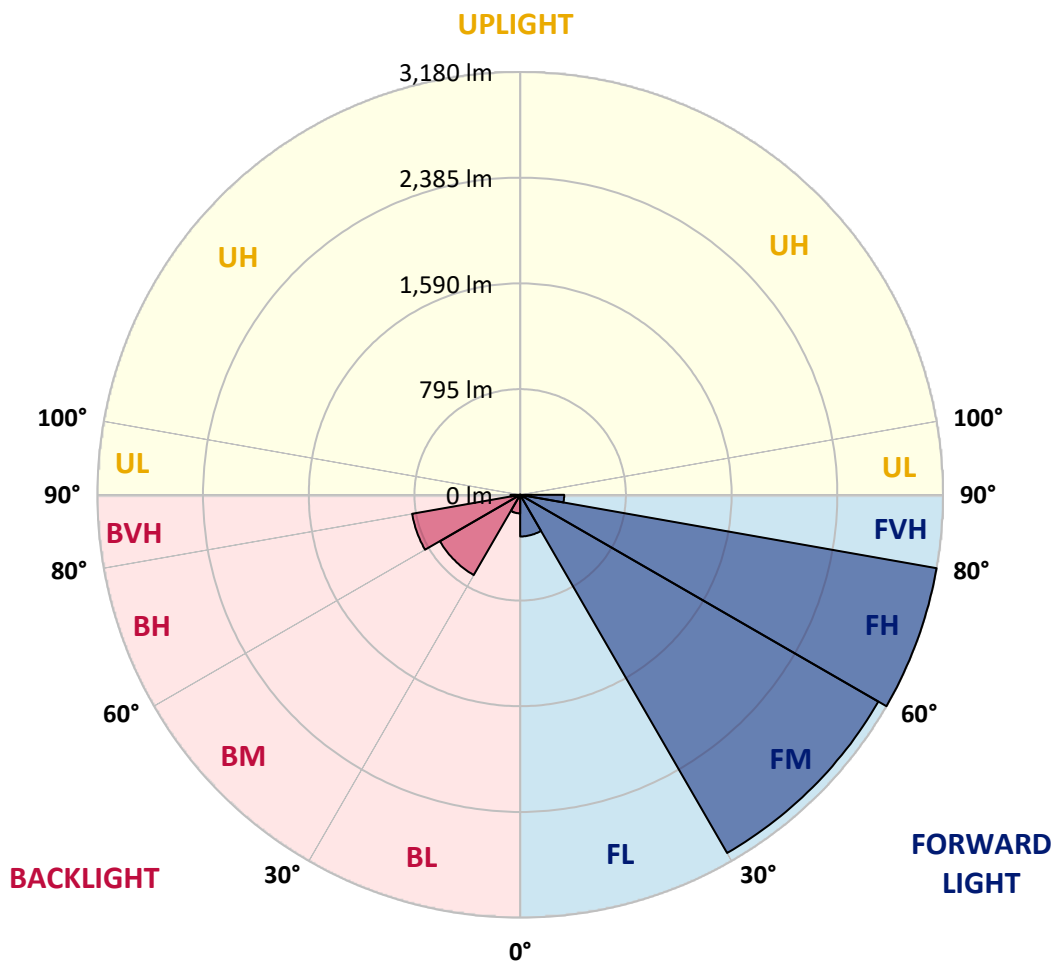
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.2	3.6			
FM	(30°-60°)	3110.8	35.9			
FH	(60°-80°)	3180.2	36.7			G2/5000
FVH	(80°-90°)	330.8	3.8			G3/500
BL	(0°-30°)	139.6	1.6	B1/500		
BM	(30°-60°)	697.0	8.0	B1/1000		
BH	(60°-80°)	825.4	9.5	B2/1000		G2/1000
BVH	(80°-90°)	72.1	0.8			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°	64°	65°	75°	85°
0°	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0
2.5°	383.5	387.0	383.5	383.5	380.1	376.6	369.7	362.8	362.8	359.3	352.4
5°	418.1	421.5	418.1	414.6	411.1	404.2	393.9	387.0	387.0	373.1	362.8
7.5°	452.6	452.6	452.6	445.7	438.8	431.9	418.1	407.7	407.7	393.9	376.6
10°	497.5	497.5	497.5	487.2	473.3	463.0	445.7	431.9	431.9	411.1	390.4
12.5°	549.3	552.8	545.9	539.0	525.2	504.4	480.2	463.0	463.0	438.8	407.7
15°	601.2	604.6	594.3	590.8	580.4	556.3	521.7	497.5	494.1	466.4	428.4
17.5°	680.6	684.1	673.7	659.9	639.2	621.9	580.4	542.4	539.0	501.0	452.6
20°	784.3	787.7	777.4	760.1	725.6	701.4	663.4	611.5	608.1	552.8	494.1
22.5°	908.7	915.6	894.8	867.2	839.6	801.6	753.2	701.4	694.5	621.9	549.3
25°	1095.2	1105.6	1057.2	1005.4	960.5	936.3	863.8	805.0	801.6	691.0	611.5
27.5°	1274.9	1271.4	1240.3	1198.9	1109.1	1074.5	1002.0	932.9	936.3	791.2	684.1
30°	1534.0	1530.6	1464.9	1416.6	1357.8	1250.7	1195.4	1088.3	1088.3	929.4	784.3
32.5°	1921.0	1917.5	1841.5	1713.7	1630.8	1506.4	1423.5	1285.3	1281.8	1098.7	908.7
35°	2418.5	2408.1	2283.8	2111.0	1934.8	1845.0	1679.1	1544.4	1530.6	1299.1	1067.6
37.5°	2667.3	2656.9	2567.1	2422.0	2252.7	2121.4	1965.9	1838.1	1820.8	1537.5	1240.3
40°	2819.3	2819.3	2753.6	2632.7	2522.2	2373.6	2273.4	2128.3	2104.1	1807.0	1444.2
42.5°	2922.9	2922.9	2881.5	2788.2	2729.5	2632.7	2553.3	2401.2	2380.5	2079.9	1672.2
45°	2954.0	2950.6	2926.4	2916.0	2864.2	2874.6	2815.8	2667.3	2646.5	2349.4	1914.1
47.5°	3047.3	3047.3	2964.4	2950.6	2978.2	3068.1	3054.2	2929.9	2912.6	2601.6	2159.4
50°	3043.9	3047.3	3047.3	2974.8	3092.2	3195.9	3254.6	3171.7	3161.3	2843.5	2397.8
52.5°	3088.8	3085.3	3037.0	3078.4	3133.7	3292.6	3423.9	3389.4	3379.0	3068.1	2618.9
55°	3465.4	3430.8	3330.6	3254.6	3330.6	3555.2	3703.8	3648.5	3620.9	3299.5	2822.7
57.5°	3603.6	3586.3	3510.3	3413.6	3541.4	3807.4	4011.3	3973.3	3924.9	3541.4	3023.1
60°	3541.4	3531.0	3489.6	3434.3	3607.0	3921.4	4218.6	4222.0	4204.8	3772.9	3223.5
62.5°	3499.9	3482.7	3372.1	3379.0	3548.3	3945.6	4308.4	4398.2	4391.3	3966.4	3375.5
65°	3309.9	3299.5	3237.3	3213.2	3427.4	3876.5	4301.5	4443.1	4443.1	4087.3	3472.3
67.5°	2974.8	2992.0	3009.3	3012.8	3265.0	3734.9	4177.1	4363.7	4374.0	4090.7	3472.3
70°	2677.6	2688.0	2698.4	2774.4	3023.1	3503.4	3952.5	4156.4	4173.7	3952.5	3368.6
72.5°	2404.7	2418.5	2401.2	2487.6	2712.2	3178.6	3620.9	3828.2	3855.8	3662.3	3151.0
75°	2090.3	2093.7	2086.8	2124.8	2346.0	2781.3	3189.0	3382.5	3396.3	3258.1	2808.9
77.5°	1734.4	1751.7	1727.5	1751.7	1959.0	2314.9	2681.1	2819.3	2853.8	2705.3	2328.7
80°	1347.5	1357.8	1323.3	1340.5	1485.7	1800.1	2066.1	2142.1	2176.7	2035.0	1741.3
82.5°	922.5	939.8	884.5	912.1	1033.0	1230.0	1382.0	1375.1	1406.2	1271.4	1071.1
85°	390.4	414.6	404.2	425.0	483.7	521.7	563.2	501.0	504.4	469.9	383.5
87.5°	10.4	10.4	10.4	6.9	6.9	6.9	6.9	6.9	6.9	6.9	3.5
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°	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0
2.5°	349.0	349.0	345.5	342.0	338.6	335.1	331.7	331.7	328.2	328.2	328.2
5°	359.3	355.9	345.5	338.6	331.7	324.8	321.3	314.4	314.4	311.0	311.0
7.5°	369.7	362.8	352.4	338.6	328.2	317.9	307.5	300.6	297.1	297.1	297.1
10°	380.1	373.1	355.9	342.0	324.8	311.0	300.6	293.7	290.2	290.2	286.8
12.5°	397.3	383.5	362.8	342.0	321.3	307.5	297.1	286.8	283.3	279.9	276.4
15°	411.1	397.3	373.1	345.5	321.3	304.0	290.2	276.4	269.5	266.0	266.0
17.5°	431.9	414.6	383.5	349.0	324.8	300.6	283.3	269.5	262.6	259.1	259.1
20°	466.4	445.7	400.8	359.3	331.7	300.6	279.9	266.0	255.7	248.8	248.8
22.5°	511.3	483.7	428.4	376.6	338.6	304.0	279.9	259.1	245.3	241.9	238.4
25°	563.2	525.2	456.1	397.3	345.5	307.5	276.4	252.2	238.4	234.9	231.5
27.5°	615.0	573.5	487.2	421.5	359.3	311.0	276.4	248.8	234.9	228.0	224.6
30°	701.4	632.3	521.7	445.7	373.1	317.9	276.4	245.3	228.0	221.1	221.1
32.5°	794.7	715.2	563.2	469.9	390.4	324.8	276.4	241.9	224.6	217.7	214.2
35°	929.4	811.9	625.4	487.2	407.7	331.7	276.4	241.9	221.1	210.8	210.8
37.5°	1081.4	950.1	694.5	525.2	421.5	338.6	276.4	238.4	214.2	207.3	203.8
40°	1257.6	1088.3	791.2	577.0	438.8	349.0	283.3	238.4	214.2	203.8	203.8
42.5°	1451.1	1254.2	905.2	639.2	466.4	362.8	286.8	238.4	210.8	200.4	200.4
45°	1655.0	1440.7	1026.1	718.6	507.9	376.6	290.2	234.9	207.3	196.9	193.5
47.5°	1883.0	1630.8	1154.0	798.1	549.3	387.0	293.7	234.9	203.8	193.5	190.0
50°	2097.2	1838.1	1295.6	884.5	594.3	404.2	300.6	231.5	200.4	190.0	186.6
52.5°	2304.5	2024.6	1444.2	970.9	646.1	431.9	304.0	231.5	196.9	183.1	183.1
55°	2501.4	2204.3	1585.9	1057.2	704.8	459.5	307.5	231.5	193.5	179.7	179.7
57.5°	2677.6	2384.0	1717.1	1143.6	756.6	487.2	307.5	224.6	186.6	176.2	172.8
60°	2864.2	2549.8	1841.5	1223.1	801.6	507.9	311.0	221.1	179.7	165.8	165.8
62.5°	3026.6	2684.5	1945.2	1288.7	829.2	521.7	314.4	214.2	172.8	158.9	158.9
65°	3130.2	2774.4	2021.2	1330.2	843.0	525.2	311.0	200.4	158.9	148.6	148.6
67.5°	3147.5	2795.1	2041.9	1337.1	832.7	514.8	300.6	183.1	148.6	134.7	134.7
70°	3057.7	2719.1	1993.5	1295.6	798.1	483.7	279.9	165.8	131.3	117.5	117.5
72.5°	2853.8	2542.9	1869.2	1202.3	729.0	438.8	252.2	148.6	114.0	103.7	103.7
75°	2532.5	2256.1	1648.0	1053.8	632.3	376.6	214.2	127.8	93.3	86.4	86.4
77.5°	2083.4	1855.3	1357.8	843.0	497.5	297.1	172.8	103.7	72.6	69.1	69.1
80°	1544.4	1357.8	970.9	583.9	338.6	203.8	124.4	76.0	51.8	48.4	48.4
82.5°	922.5	798.1	556.3	331.7	176.2	114.0	72.6	48.4	31.1	27.6	27.6
85°	311.0	262.6	165.8	93.3	44.9	31.1	20.7	20.7	13.8	10.4	6.9
87.5°	3.5	3.5	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
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)