

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: P553770

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-3)
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-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8956 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

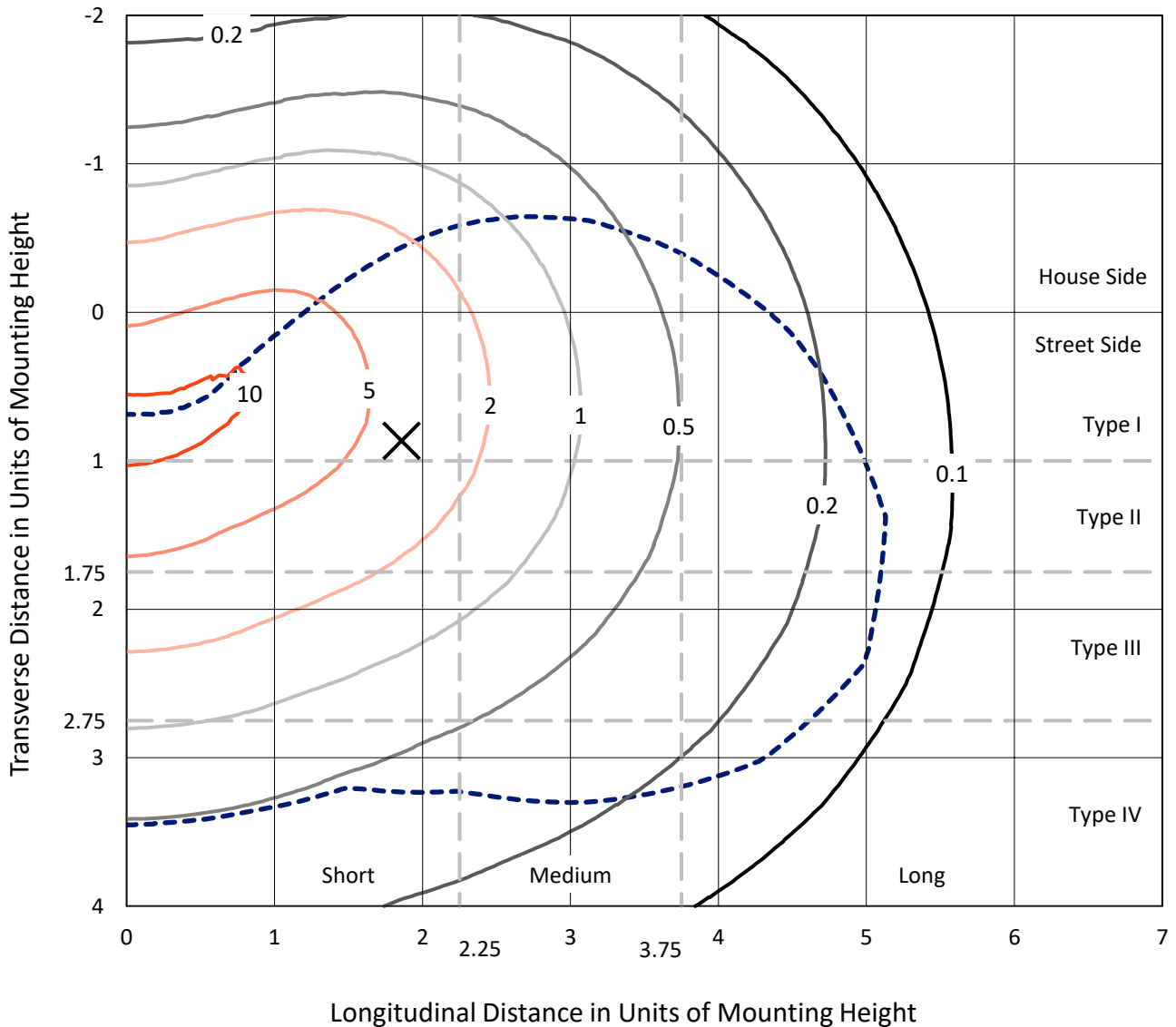
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

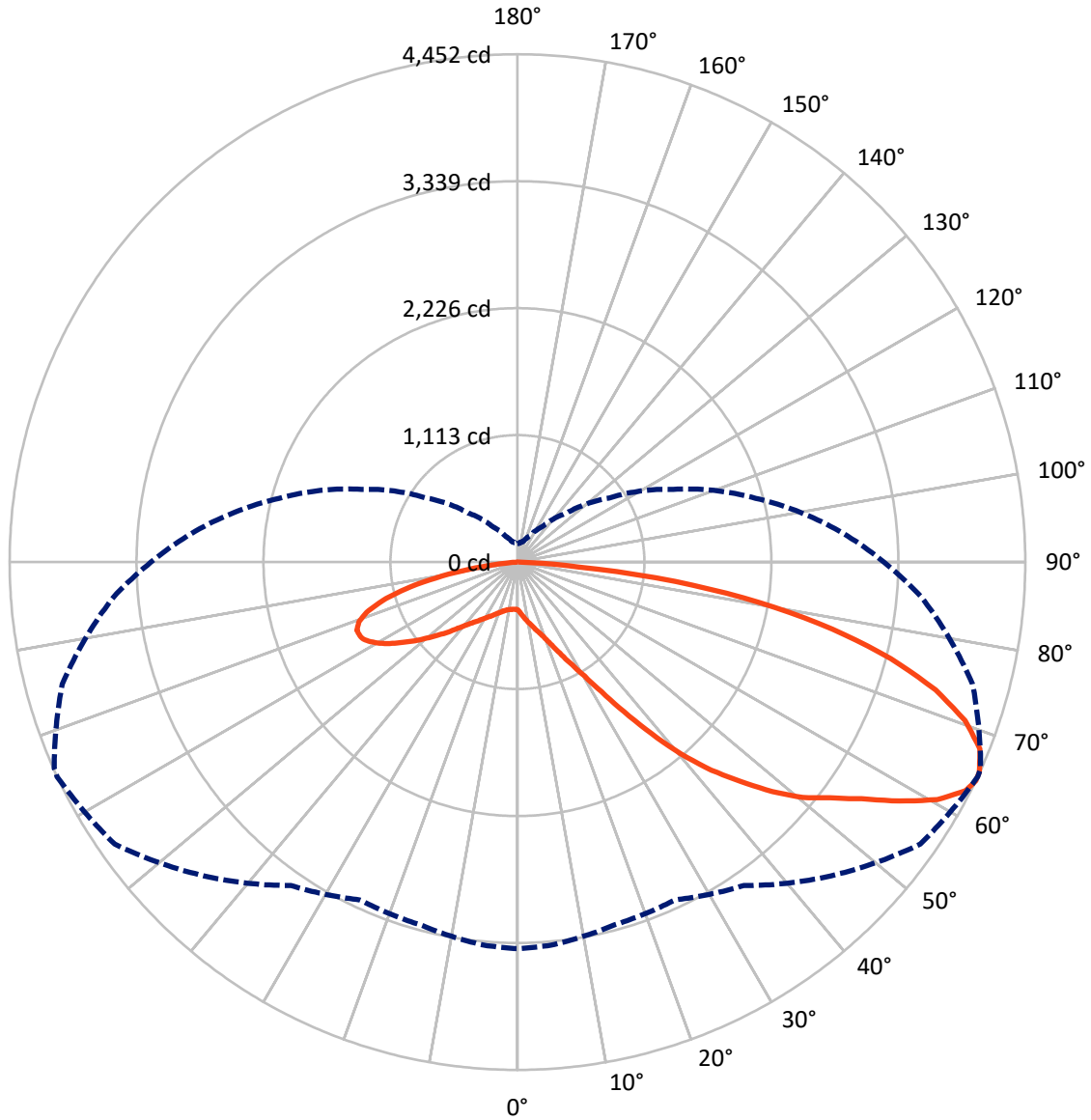
× Max cd
 - - - 1/2 Max cd



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

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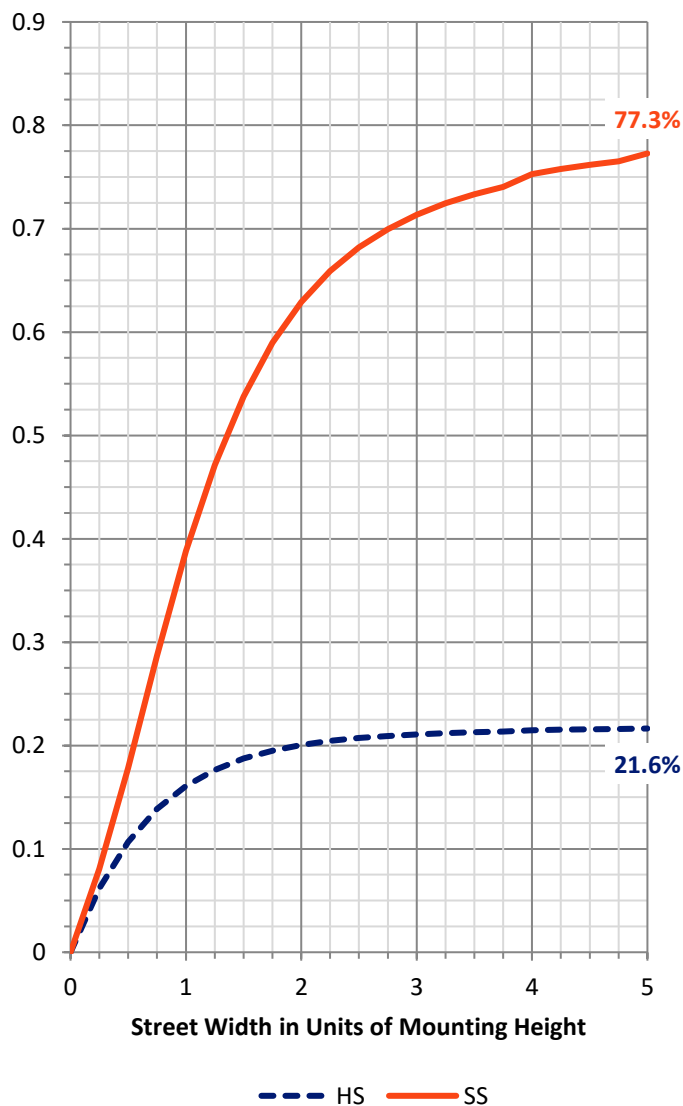
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1944.7	0.0	1944.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7011.3	0.0	7011.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	8956.0	0.0	8956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	0.5
10°-20°	149.7	1.7
20°-30°	331.7	3.7
30°-40°	735.4	8.2
40°-50°	1304.3	14.6
50°-60°	1905.9	21.3
60°-70°	2306.2	25.7
70°-80°	1777.2	19.8
80°-90°	402.4	4.5
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°	8956.0	100.0
0°-180°	8956.0	100.0

Coefficient of Utilization



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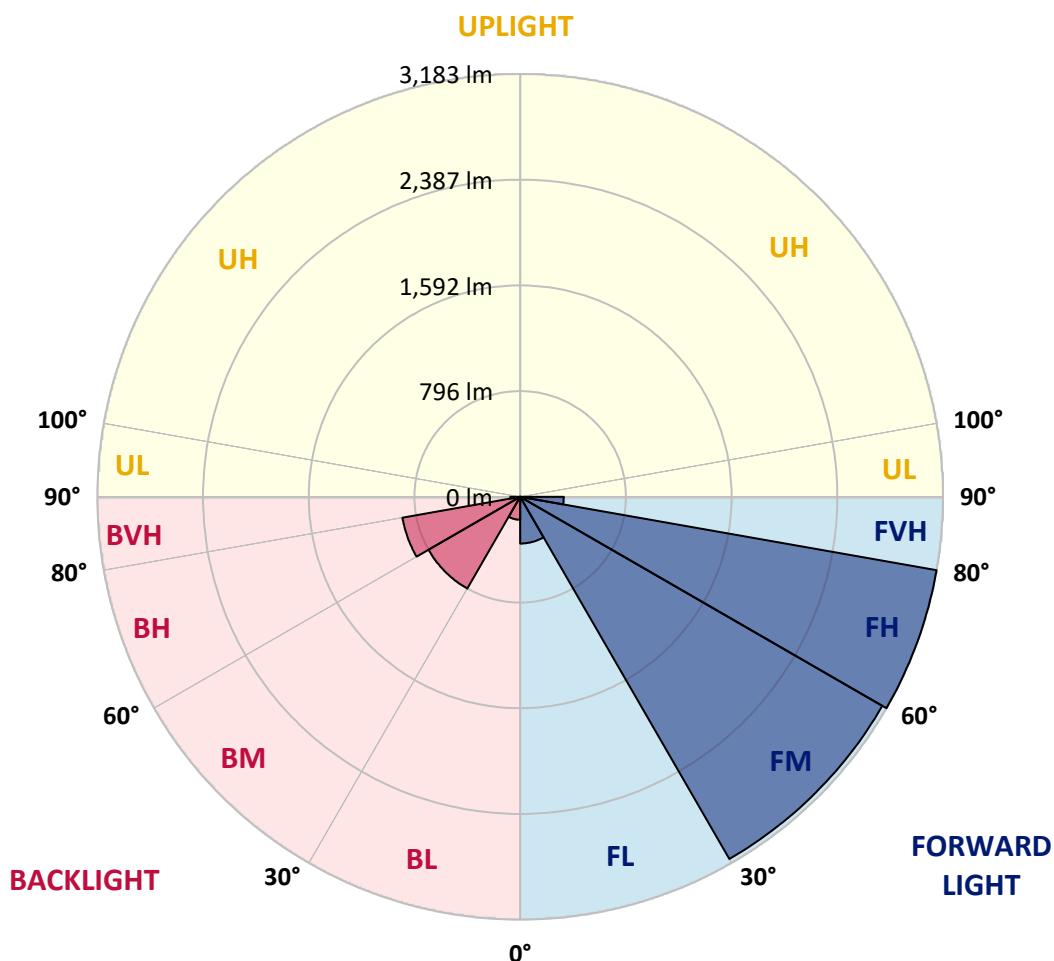
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.7	3.9			
FM	(30°-60°)	3148.2	35.2			
FH	(60°-80°)	3183.2	35.5			G2/5000
FVH	(80°-90°)	328.3	3.7			G3/500
BL	(0°-30°)	172.8	1.9	B1/500		
BM	(30°-60°)	797.5	8.9	B1/1000		
BH	(60°-80°)	900.2	10.1	B2/1000		G2/1000
BVH	(80°-90°)	74.1	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°	65°	66°	75°	85°
0°	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0
2.5°	469.8	469.8	466.3	466.3	462.9	456.0	452.5	442.1	442.1	435.2	428.3
5°	507.8	507.8	507.8	504.3	500.9	493.9	487.0	473.2	473.2	459.4	449.0
7.5°	542.3	542.3	538.9	538.9	531.9	528.5	521.6	504.3	504.3	487.0	466.3
10°	590.7	587.2	583.8	580.3	573.4	563.0	556.1	538.9	535.4	514.7	490.5
12.5°	635.6	635.6	635.6	632.1	625.2	611.4	594.1	573.4	573.4	545.8	514.7
15°	687.4	683.9	683.9	680.5	677.0	666.7	642.5	618.3	614.8	587.2	545.8
17.5°	766.8	763.4	756.5	742.6	732.3	725.4	704.7	663.2	663.2	632.1	587.2
20°	863.5	860.1	849.7	835.9	811.7	791.0	773.7	725.4	718.5	683.9	628.7
22.5°	987.9	981.0	967.2	949.9	929.2	884.3	853.2	804.8	791.0	742.6	680.5
25°	1160.6	1153.7	1126.1	1074.2	1039.7	1012.1	949.9	901.5	887.7	815.2	742.6
27.5°	1309.1	1305.7	1291.9	1260.8	1188.2	1150.2	1077.7	1019.0	1005.2	908.4	815.2
30°	1533.7	1523.3	1488.7	1450.8	1416.2	1333.3	1264.2	1160.6	1146.8	1029.3	908.4
32.5°	1934.3	1913.6	1851.4	1737.4	1682.2	1585.5	1509.5	1354.0	1329.9	1191.7	1025.9
35°	2424.8	2400.7	2286.7	2120.9	1962.0	1892.9	1761.6	1609.6	1568.2	1395.5	1167.5
37.5°	2659.7	2645.9	2566.5	2417.9	2265.9	2162.3	2048.3	1906.7	1858.3	1637.3	1333.3
40°	2811.7	2808.2	2742.6	2625.2	2525.0	2407.6	2345.4	2214.1	2165.8	1906.7	1540.6
42.5°	2911.9	2908.4	2870.4	2766.8	2725.3	2645.9	2611.4	2493.9	2455.9	2186.5	1765.1
45°	2939.5	2929.1	2911.9	2905.0	2853.1	2867.0	2867.0	2742.6	2718.4	2462.8	2013.8
47.5°	3036.2	3025.9	2953.3	2936.0	2967.1	3060.4	3091.5	3005.1	2987.9	2718.4	2241.8
50°	3029.3	3029.3	3032.8	2960.2	3084.6	3184.7	3264.2	3243.5	3229.7	2953.3	2483.6
52.5°	3081.1	3070.8	3022.4	3060.4	3119.1	3288.4	3426.5	3433.4	3436.9	3177.8	2704.6
55°	3433.4	3433.4	3326.4	3233.1	3319.5	3533.6	3696.0	3661.4	3654.5	3409.3	2918.8
57.5°	3585.4	3571.6	3492.2	3392.0	3526.7	3792.7	3996.5	3951.6	3930.9	3651.1	3122.6
60°	3526.7	3506.0	3464.5	3419.6	3592.3	3910.1	4210.6	4227.9	4210.6	3872.1	3319.5
62.5°	3478.4	3461.1	3360.9	3360.9	3533.6	3927.4	4303.9	4411.0	4393.7	4051.7	3485.3
64°	3388.5	3371.3	3291.8	3267.6	3461.1	3889.4	4310.8	4452.4	4445.5	4131.2	3557.8
65°	3271.1	3267.6	3222.7	3191.7	3405.8	3848.0	4290.1	4449.0	4449.0	4162.3	3582.0
67.5°	2963.7	2946.4	2998.2	2991.3	3240.0	3706.3	4165.7	4373.0	4369.5	4148.5	3575.1
70°	2670.1	2656.3	2701.2	2749.5	3015.5	3468.0	3944.7	4162.3	4158.8	3989.6	3457.6
72.5°	2376.5	2393.7	2404.1	2459.4	2701.2	3146.8	3609.6	3834.1	3827.2	3689.1	3222.7
75°	2096.7	2076.0	2086.3	2110.5	2341.9	2753.0	3177.8	3381.6	3378.2	3260.7	2853.1
77.5°	1740.9	1730.5	1734.0	1730.5	1951.6	2297.0	2645.9	2822.1	2818.6	2708.1	2348.8
80°	1360.9	1336.8	1340.2	1322.9	1509.5	1775.4	2034.5	2158.9	2138.1	2051.8	1747.8
82.5°	943.0	915.4	908.4	887.7	1036.3	1205.5	1347.1	1395.5	1371.3	1291.9	1067.3
85°	407.6	369.6	421.4	421.4	466.3	507.8	538.9	528.5	514.7	480.1	359.2
87.5°	0.0	0.0	0.0	0.0	3.5	0.0	3.5	3.5	3.5	3.5	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°	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0
2.5°	428.3	424.9	418.0	414.5	411.0	407.6	404.1	400.7	400.7	400.7	397.2
5°	442.1	435.2	424.9	414.5	407.6	397.2	390.3	383.4	380.0	376.5	376.5
7.5°	456.0	449.0	431.8	418.0	400.7	386.9	373.1	366.1	359.2	355.8	355.8
10°	476.7	466.3	442.1	421.4	397.2	380.0	362.7	352.3	345.4	345.4	342.0
12.5°	497.4	483.6	459.4	428.3	397.2	376.5	359.2	345.4	335.1	331.6	331.6
15°	528.5	511.2	476.7	438.7	404.1	376.5	352.3	331.6	321.2	314.3	314.3
17.5°	559.6	538.9	497.4	452.5	414.5	376.5	345.4	324.7	310.9	304.0	304.0
20°	597.6	573.4	521.6	469.8	424.9	376.5	342.0	317.8	300.5	293.6	293.6
22.5°	642.5	611.4	549.2	487.0	431.8	380.0	342.0	310.9	290.2	279.8	279.8
25°	694.3	656.3	580.3	511.2	442.1	386.9	338.5	300.5	279.8	269.4	269.4
27.5°	756.5	715.0	614.8	535.4	456.0	393.8	335.1	297.1	272.9	259.1	259.1
30°	829.0	777.2	659.7	563.0	473.2	397.2	338.5	293.6	266.0	252.2	248.7
32.5°	925.7	856.6	711.6	594.1	493.9	404.1	338.5	286.7	259.1	245.2	245.2
35°	1043.2	953.4	773.7	628.7	511.2	414.5	338.5	286.7	252.2	238.3	234.9
37.5°	1188.2	1067.3	849.7	670.1	535.4	424.9	338.5	283.2	245.2	231.4	228.0
40°	1360.9	1205.5	932.6	718.5	559.6	435.2	345.4	279.8	245.2	228.0	228.0
42.5°	1554.4	1371.3	1036.3	780.6	594.1	452.5	348.9	279.8	241.8	221.1	221.1
45°	1765.1	1554.4	1157.1	856.6	635.6	469.8	352.3	283.2	234.9	217.6	214.2
47.5°	1996.5	1747.8	1291.9	932.6	673.6	490.5	359.2	279.8	231.4	214.2	210.7
50°	2210.7	1951.6	1440.4	1019.0	718.5	507.8	366.1	276.3	228.0	210.7	207.3
52.5°	2417.9	2148.5	1592.4	1112.2	766.8	531.9	373.1	276.3	224.5	203.8	200.3
55°	2614.8	2331.6	1740.9	1209.0	822.1	556.1	380.0	276.3	221.1	200.3	196.9
57.5°	2794.4	2504.3	1879.1	1309.1	880.8	580.3	383.4	272.9	217.6	193.4	190.0
60°	2981.0	2673.5	2003.4	1402.4	936.1	601.0	386.9	269.4	207.3	186.5	183.1
62.5°	3139.8	2815.2	2110.5	1478.4	967.2	607.9	383.4	259.1	196.9	172.7	169.3
64°	3212.4	2870.4	2162.3	1509.5	981.0	607.9	380.0	252.2	186.5	165.8	162.3
65°	3240.0	2898.1	2183.0	1523.3	987.9	607.9	373.1	248.7	179.6	162.3	158.9
67.5°	3250.4	2908.4	2196.9	1530.2	981.0	594.1	355.8	231.4	152.0	145.1	141.6
70°	3153.7	2822.1	2131.2	1481.8	939.5	559.6	331.6	207.3	127.8	120.9	124.4
72.5°	2936.0	2628.6	1989.6	1371.3	863.5	507.8	293.6	179.6	107.1	103.6	107.1
75°	2583.7	2307.4	1744.4	1195.1	749.6	438.7	248.7	141.6	82.9	86.4	89.8
77.5°	2141.6	1903.3	1412.8	960.3	594.1	342.0	190.0	96.7	62.2	69.1	69.1
80°	1568.2	1381.7	1012.1	670.1	411.0	228.0	117.4	58.7	41.5	48.4	48.4
82.5°	936.1	804.8	573.4	373.1	221.1	110.5	51.8	24.2	20.7	27.6	27.6
85°	331.6	272.9	176.2	103.6	55.3	24.2	10.4	3.5	3.5	0.0	0.0
87.5°	3.5	0.0	0.0	0.0	0.0	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)