

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: P553758

Luminaire Tested: **LXS-VA3-730-U-AST-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553758
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-VA3-730-U-AST-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE IV OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8291 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

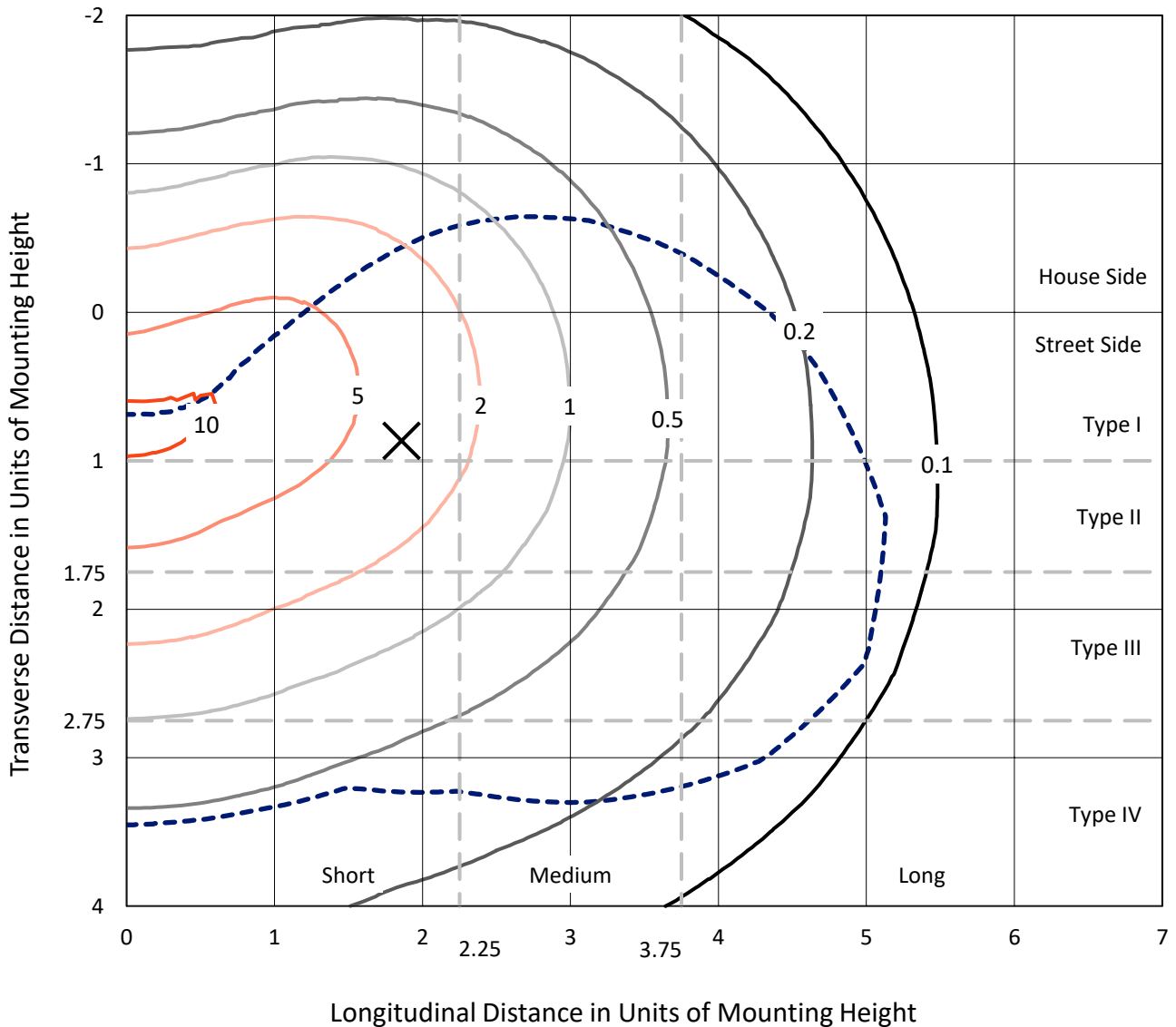
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

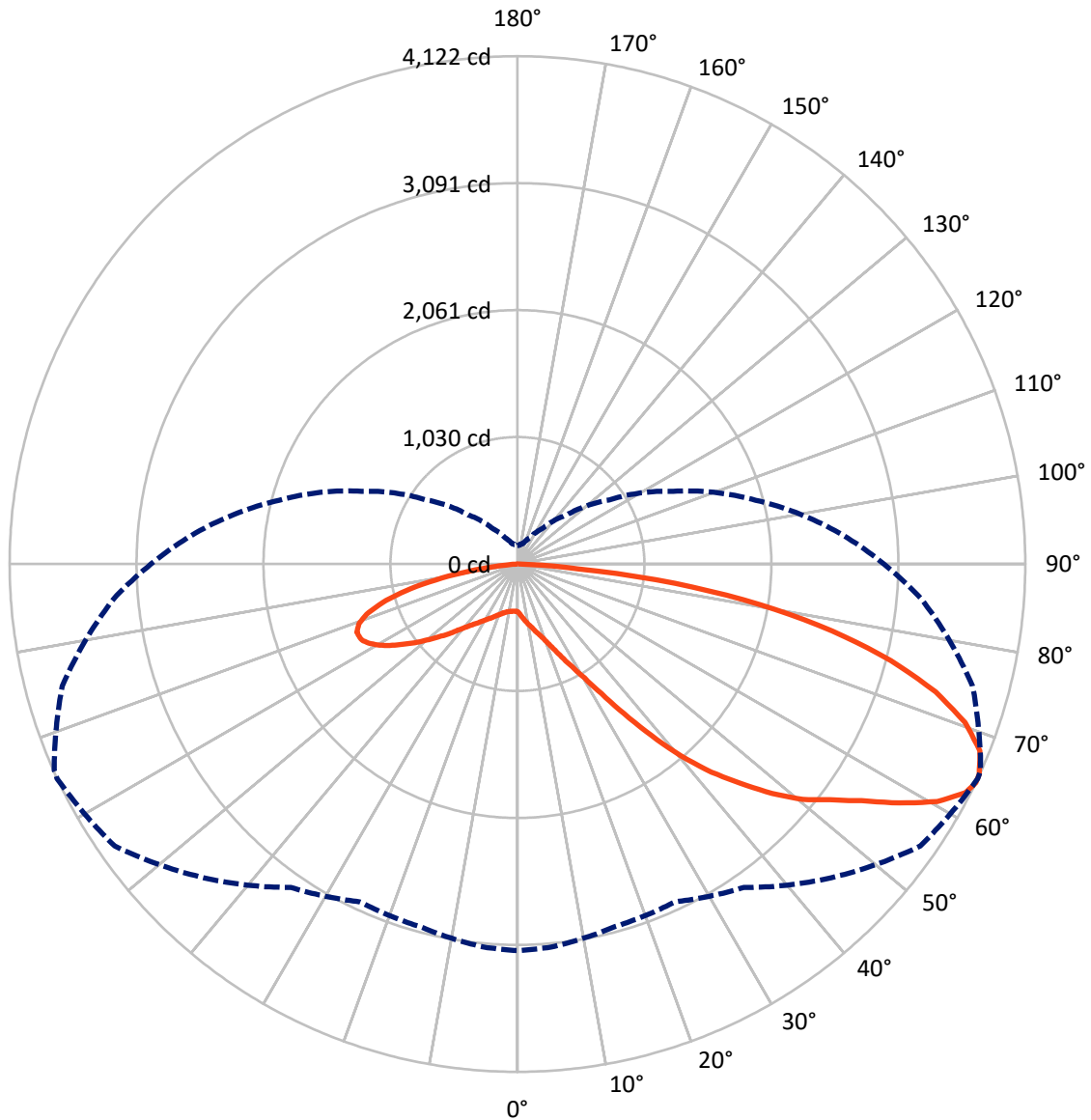
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 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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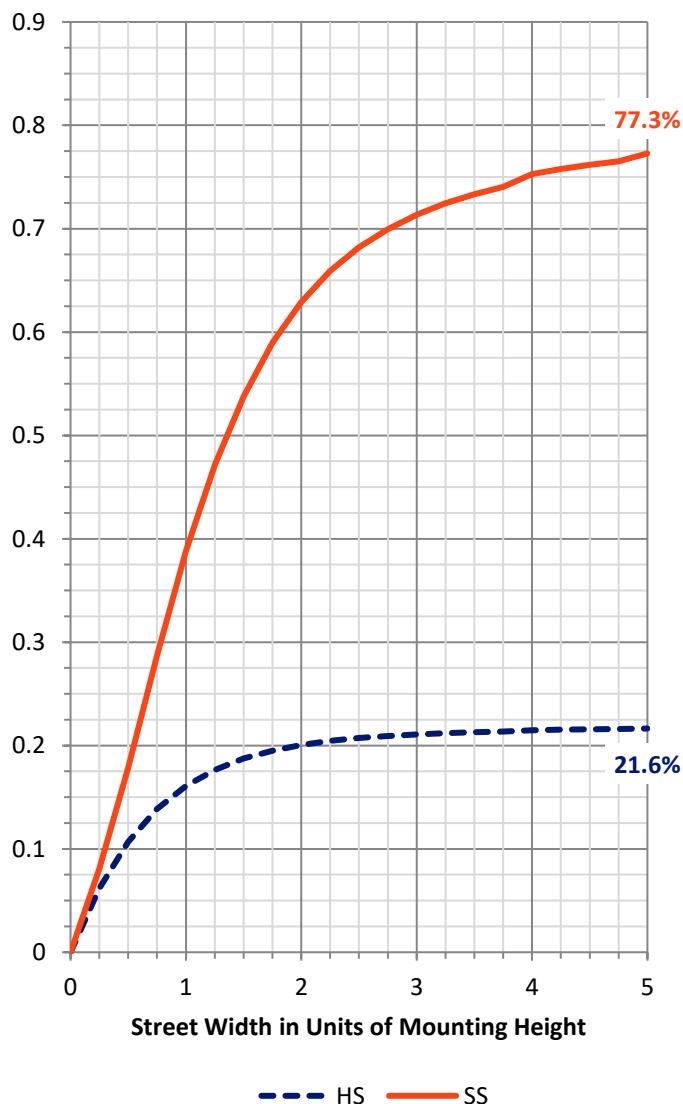
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.3	0.0	1800.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6490.7	0.0	6490.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	8291.0	0.0	8291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.5
10°-20°	138.6	1.7
20°-30°	307.1	3.7
30°-40°	680.8	8.2
40°-50°	1207.5	14.6
50°-60°	1764.4	21.3
60°-70°	2134.9	25.7
70°-80°	1645.2	19.8
80°-90°	372.5	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°	8291.0	100.0
0°-180°	8291.0	100.0

Coefficient of Utilization



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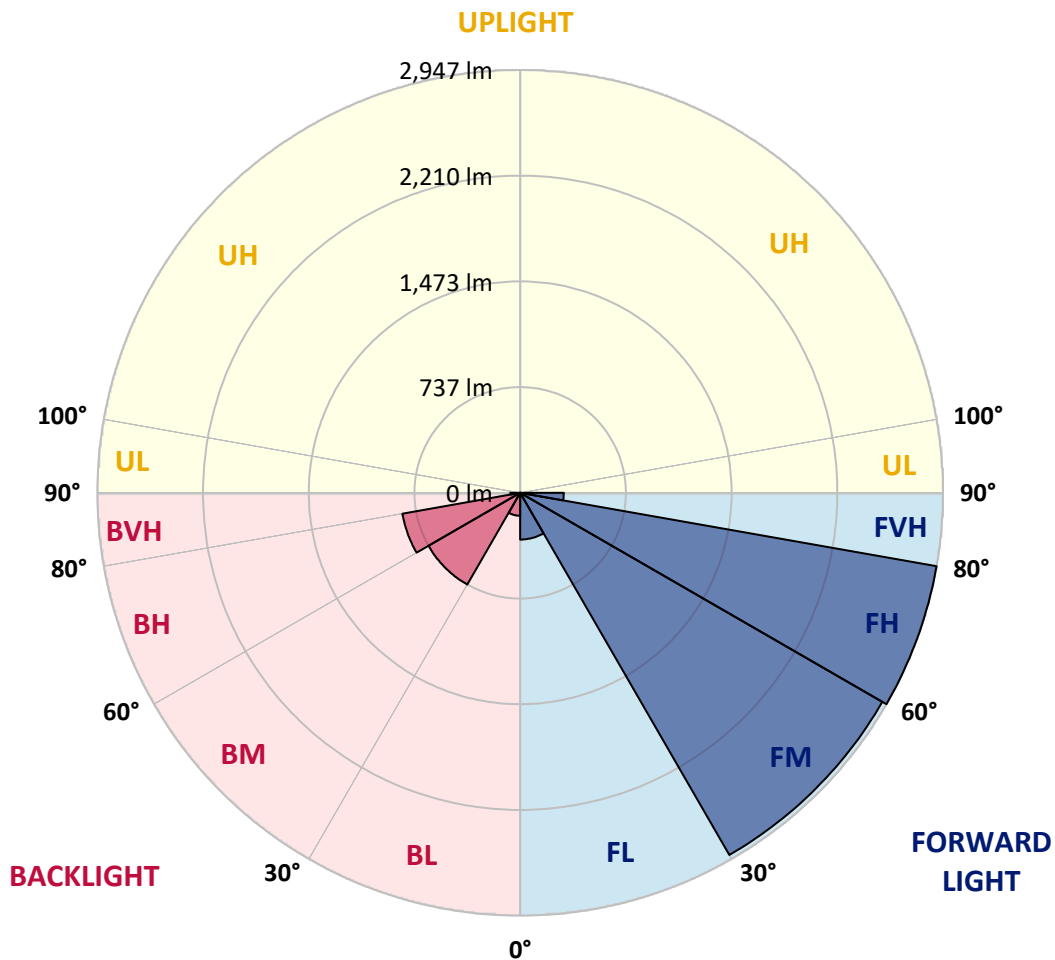
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	325.6	3.9			
FM	(30°-60°)	2914.4	35.2			
FH	(60°-80°)	2946.8	35.5			G2/5000
FVH	(80°-90°)	303.9	3.7			G3/500
BL	(0°-30°)	160.0	1.9	B1/500		
BM	(30°-60°)	738.3	8.9	B1/1000		
BH	(60°-80°)	833.4	10.1	B2/1000		G2/1000
BVH	(80°-90°)	68.6	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°	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9
2.5°	434.9	434.9	431.7	431.7	428.5	422.1	418.9	409.3	409.3	402.9	396.5
5°	470.1	470.1	470.1	466.9	463.7	457.3	450.9	438.1	438.1	425.3	415.7
7.5°	502.0	502.0	498.8	498.8	492.4	489.2	482.9	466.9	466.9	450.9	431.7
10°	546.8	543.6	540.4	537.2	530.8	521.2	514.8	498.8	495.6	476.5	454.1
12.5°	588.4	588.4	588.4	585.2	578.8	566.0	550.0	530.8	530.8	505.2	476.5
15°	636.3	633.1	633.1	629.9	626.7	617.2	594.8	572.4	569.2	543.6	505.2
17.5°	709.9	706.7	700.3	687.5	677.9	671.5	652.3	614.0	614.0	585.2	543.6
20°	799.4	796.2	786.6	773.8	751.5	732.3	716.3	671.5	665.1	633.1	582.0
22.5°	914.5	908.1	895.4	879.4	860.2	818.6	789.8	745.1	732.3	687.5	629.9
25°	1074.4	1068.0	1042.4	994.5	962.5	936.9	879.4	834.6	821.8	754.7	687.5
27.5°	1211.9	1208.7	1195.9	1167.2	1100.0	1064.8	997.7	943.3	930.5	841.0	754.7
30°	1419.8	1410.2	1378.2	1343.0	1311.1	1234.3	1170.4	1074.4	1061.6	952.9	841.0
32.5°	1790.7	1771.5	1714.0	1608.4	1557.3	1467.7	1397.4	1253.5	1231.1	1103.2	949.7
35°	2244.8	2222.4	2116.9	1963.4	1816.3	1752.3	1630.8	1490.1	1451.8	1291.9	1080.8
37.5°	2462.2	2449.4	2375.9	2238.4	2097.7	2001.8	1896.2	1765.1	1720.4	1515.7	1234.3
40°	2602.9	2599.7	2539.0	2430.2	2337.5	2228.8	2171.2	2049.7	2005.0	1765.1	1426.2
42.5°	2695.7	2692.5	2657.3	2561.4	2523.0	2449.4	2417.5	2308.7	2273.6	2024.1	1634.0
45°	2721.2	2711.6	2695.7	2689.3	2641.3	2654.1	2654.1	2539.0	2516.6	2280.0	1864.3
47.5°	2810.8	2801.2	2734.0	2718.0	2746.8	2833.2	2861.9	2782.0	2766.0	2516.6	2075.3
50°	2804.4	2804.4	2807.6	2740.4	2855.5	2948.3	3021.8	3002.6	2989.8	2734.0	2299.1
52.5°	2852.3	2842.8	2798.0	2833.2	2887.5	3044.2	3172.1	3178.5	3181.7	2941.9	2503.8
55°	3178.5	3178.5	3079.4	2993.0	3073.0	3271.2	3421.5	3389.6	3383.2	3156.1	2702.1
57.5°	3319.2	3306.4	3232.9	3140.1	3264.8	3511.1	3699.7	3658.2	3639.0	3380.0	2890.7
60°	3264.8	3245.7	3207.3	3165.7	3325.6	3619.8	3898.0	3914.0	3898.0	3584.6	3073.0
62.5°	3220.1	3204.1	3111.4	3111.4	3271.2	3635.8	3984.3	4083.5	4067.5	3750.9	3226.5
64°	3136.9	3121.0	3047.4	3025.0	3204.1	3600.6	3990.7	4121.8	4115.4	3824.4	3293.6
65°	3028.2	3025.0	2983.4	2954.7	3152.9	3562.2	3971.5	4118.6	4118.6	3853.2	3316.0
67.5°	2743.6	2727.6	2775.6	2769.2	2999.4	3431.1	3856.4	4048.3	4045.1	3840.4	3309.6
70°	2471.8	2459.0	2500.6	2545.4	2791.6	3210.5	3651.8	3853.2	3850.0	3693.3	3200.9
72.5°	2200.0	2216.0	2225.6	2276.8	2500.6	2913.1	3341.6	3549.4	3543.0	3415.1	2983.4
75°	1941.0	1921.8	1931.4	1953.8	2168.0	2548.6	2941.9	3130.5	3127.3	3018.6	2641.3
77.5°	1611.6	1602.0	1605.2	1602.0	1806.7	2126.5	2449.4	2612.5	2609.3	2507.0	2174.4
80°	1259.9	1237.5	1240.7	1224.7	1397.4	1643.6	1883.4	1998.6	1979.4	1899.4	1618.0
82.5°	873.0	847.4	841.0	821.8	959.3	1116.0	1247.1	1291.9	1269.5	1195.9	988.1
85°	377.3	342.2	390.1	390.1	431.7	470.1	498.8	489.2	476.5	444.5	332.6
87.5°	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2	3.2	3.2	3.2
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°	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9	386.9
2.5°	396.5	393.3	386.9	383.7	380.5	377.3	374.1	370.9	370.9	370.9	367.7
5°	409.3	402.9	393.3	383.7	377.3	367.7	361.3	354.9	351.7	348.5	348.5
7.5°	422.1	415.7	399.7	386.9	370.9	358.1	345.4	339.0	332.6	329.4	329.4
10°	441.3	431.7	409.3	390.1	367.7	351.7	335.8	326.2	319.8	319.8	316.6
12.5°	460.5	447.7	425.3	396.5	367.7	348.5	332.6	319.8	310.2	307.0	307.0
15°	489.2	473.3	441.3	406.1	374.1	348.5	326.2	307.0	297.4	291.0	291.0
17.5°	518.0	498.8	460.5	418.9	383.7	348.5	319.8	300.6	287.8	281.4	281.4
20°	553.2	530.8	482.9	434.9	393.3	348.5	316.6	294.2	278.2	271.8	271.8
22.5°	594.8	566.0	508.4	450.9	399.7	351.7	316.6	287.8	268.6	259.0	259.0
25°	642.7	607.6	537.2	473.3	409.3	358.1	313.4	278.2	259.0	249.4	249.4
27.5°	700.3	661.9	569.2	495.6	422.1	364.5	310.2	275.0	252.6	239.8	239.8
30°	767.4	719.5	610.8	521.2	438.1	367.7	313.4	271.8	246.2	233.4	230.2
32.5°	857.0	793.0	658.7	550.0	457.3	374.1	313.4	265.4	239.8	227.0	227.0
35°	965.7	882.6	716.3	582.0	473.3	383.7	313.4	265.4	233.4	220.6	217.4
37.5°	1100.0	988.1	786.6	620.4	495.6	393.3	313.4	262.2	227.0	214.2	211.0
40°	1259.9	1116.0	863.4	665.1	518.0	402.9	319.8	259.0	227.0	211.0	211.0
42.5°	1439.0	1269.5	959.3	722.7	550.0	418.9	323.0	259.0	223.8	204.7	204.7
45°	1634.0	1439.0	1071.2	793.0	588.4	434.9	326.2	262.2	217.4	201.5	198.3
47.5°	1848.3	1618.0	1195.9	863.4	623.6	454.1	332.6	259.0	214.2	198.3	195.1
50°	2046.5	1806.7	1333.4	943.3	665.1	470.1	339.0	255.8	211.0	195.1	191.9
52.5°	2238.4	1989.0	1474.1	1029.7	709.9	492.4	345.4	255.8	207.9	188.7	185.5
55°	2420.7	2158.4	1611.6	1119.2	761.1	514.8	351.7	255.8	204.7	185.5	182.3
57.5°	2586.9	2318.3	1739.5	1211.9	815.4	537.2	354.9	252.6	201.5	179.1	175.9
60°	2759.6	2475.0	1854.7	1298.3	866.6	556.4	358.1	249.4	191.9	172.7	169.5
62.5°	2906.7	2606.1	1953.8	1368.6	895.4	562.8	354.9	239.8	182.3	159.9	156.7
64°	2973.9	2657.3	2001.8	1397.4	908.1	562.8	351.7	233.4	172.7	153.5	150.3
65°	2999.4	2682.9	2020.9	1410.2	914.5	562.8	345.4	230.2	166.3	150.3	147.1
67.5°	3009.0	2692.5	2033.7	1416.6	908.1	550.0	329.4	214.2	140.7	134.3	131.1
70°	2919.5	2612.5	1973.0	1371.8	869.8	518.0	307.0	191.9	118.3	111.9	115.1
72.5°	2718.0	2433.4	1841.9	1269.5	799.4	470.1	271.8	166.3	99.1	95.9	99.1
75°	2391.9	2136.1	1614.8	1106.4	693.9	406.1	230.2	131.1	76.7	79.9	83.1
77.5°	1982.6	1761.9	1307.9	889.0	550.0	316.6	175.9	89.5	57.6	64.0	64.0
80°	1451.8	1279.1	936.9	620.4	380.5	211.0	108.7	54.4	38.4	44.8	44.8
82.5°	866.6	745.1	530.8	345.4	204.7	102.3	48.0	22.4	19.2	25.6	25.6
85°	307.0	252.6	163.1	95.9	51.2	22.4	9.6	3.2	3.2	0.0	0.0
87.5°	3.2	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)