

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: P553759

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553759
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-VA3-730-U-AST-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8025 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

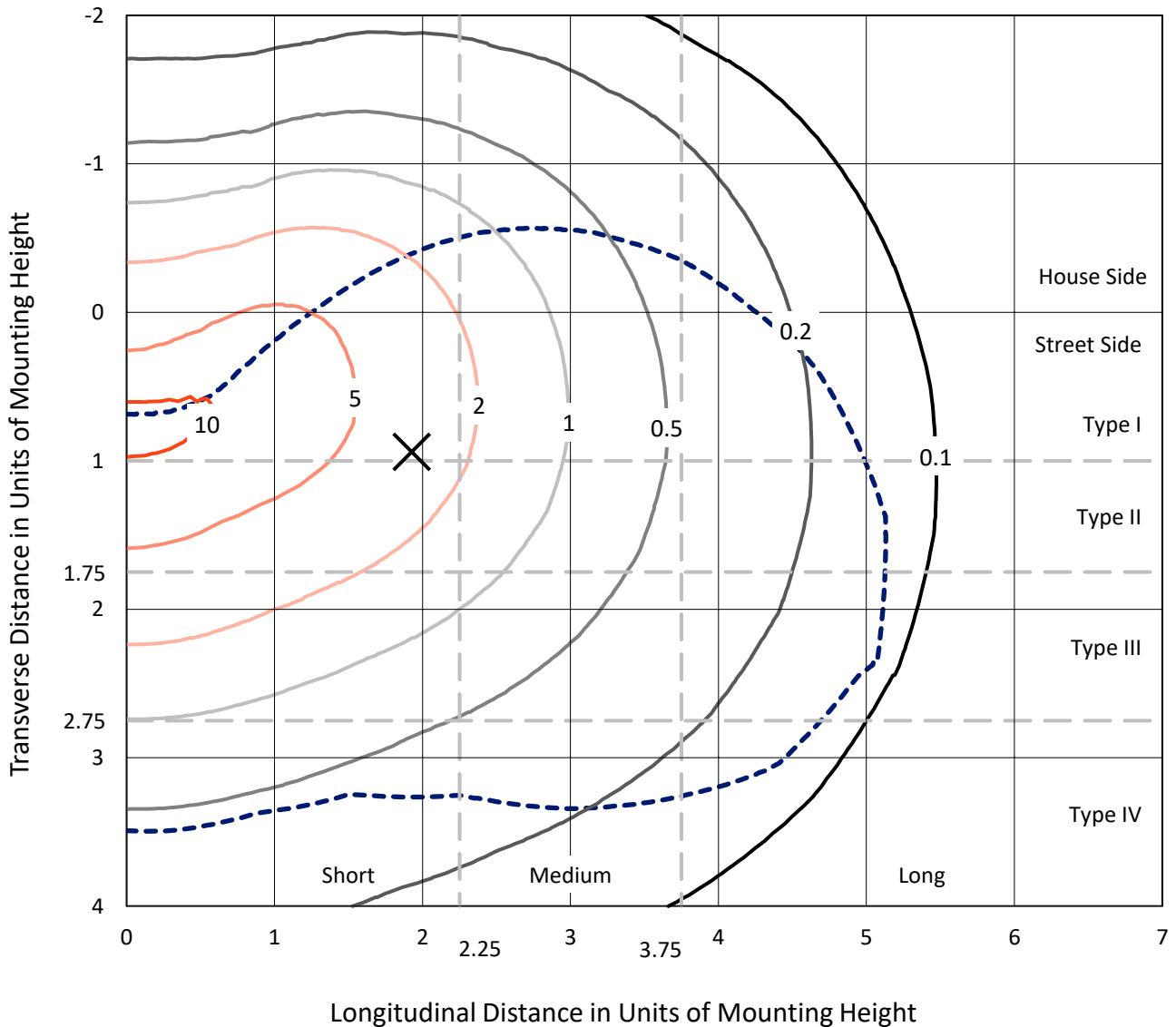
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553759
 CATALOG NUMBER: LXS-VA3-730-U-AST-C

Iso-Footcandle Lines of Horizontal Illumination

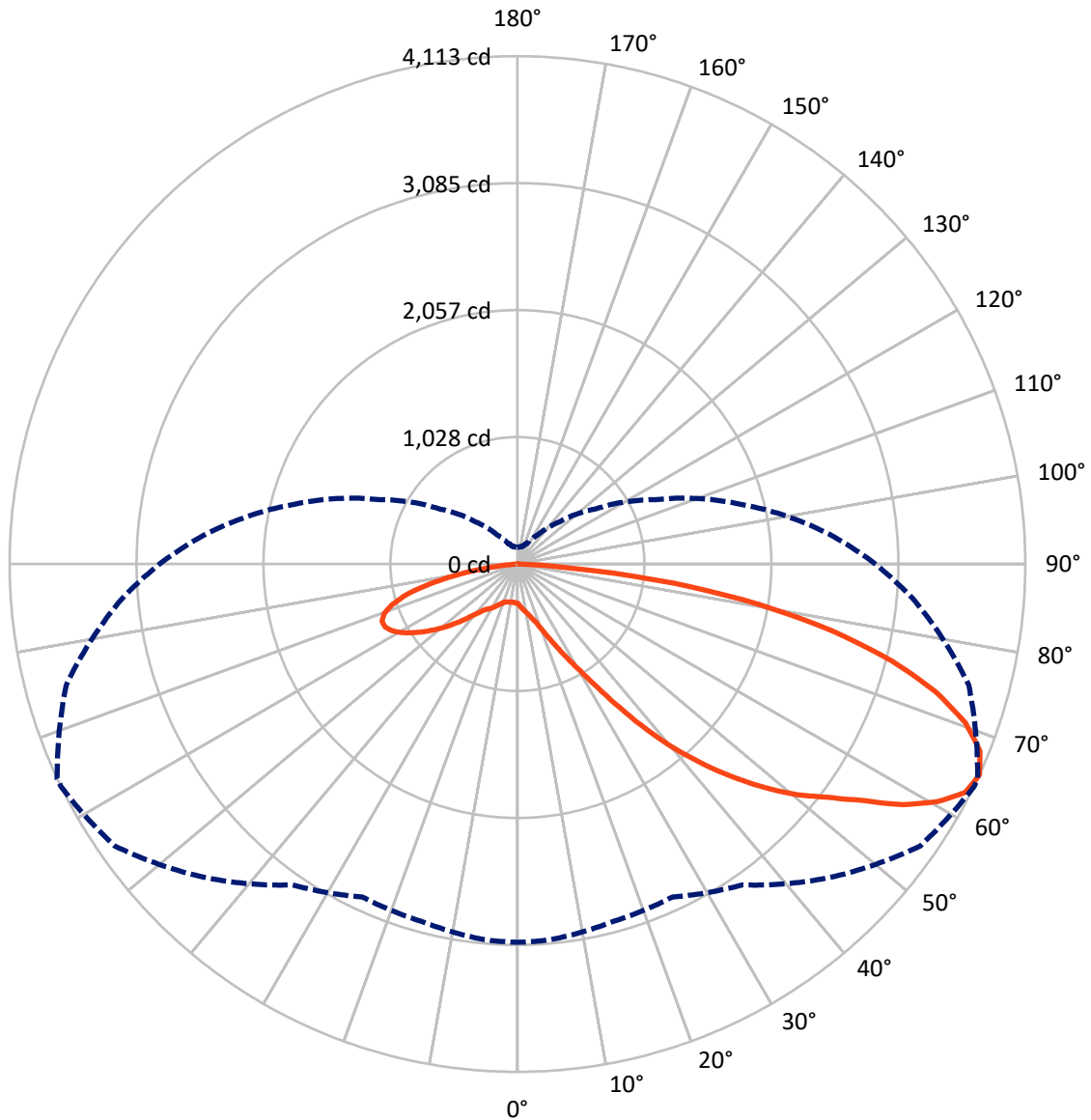
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P553759
CATALOG NUMBER: LXS-VA3-730-U-AST-C

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553759

CATALOG NUMBER: LXS-VA3-730-U-AST-C

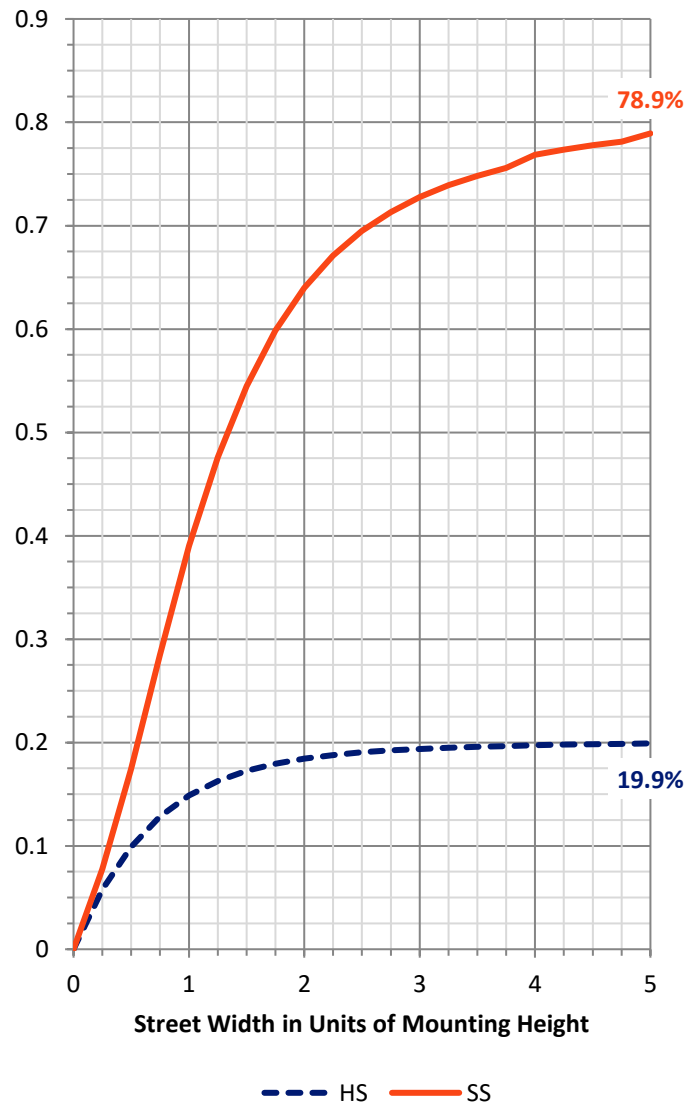
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1605.3	0.0	1605.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	6419.7	0.0	6419.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	8025.0	0.0	8025.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	0.4
10°-20°	115.0	1.4
20°-30°	271.4	3.4
30°-40°	641.3	8.0
40°-50°	1164.9	14.5
50°-60°	1718.8	21.4
60°-70°	2088.0	26.0
70°-80°	1620.1	20.2
80°-90°	372.9	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°	8025.0	100.0
0°-180°	8025.0	100.0



REPORT NUMBER: P553759

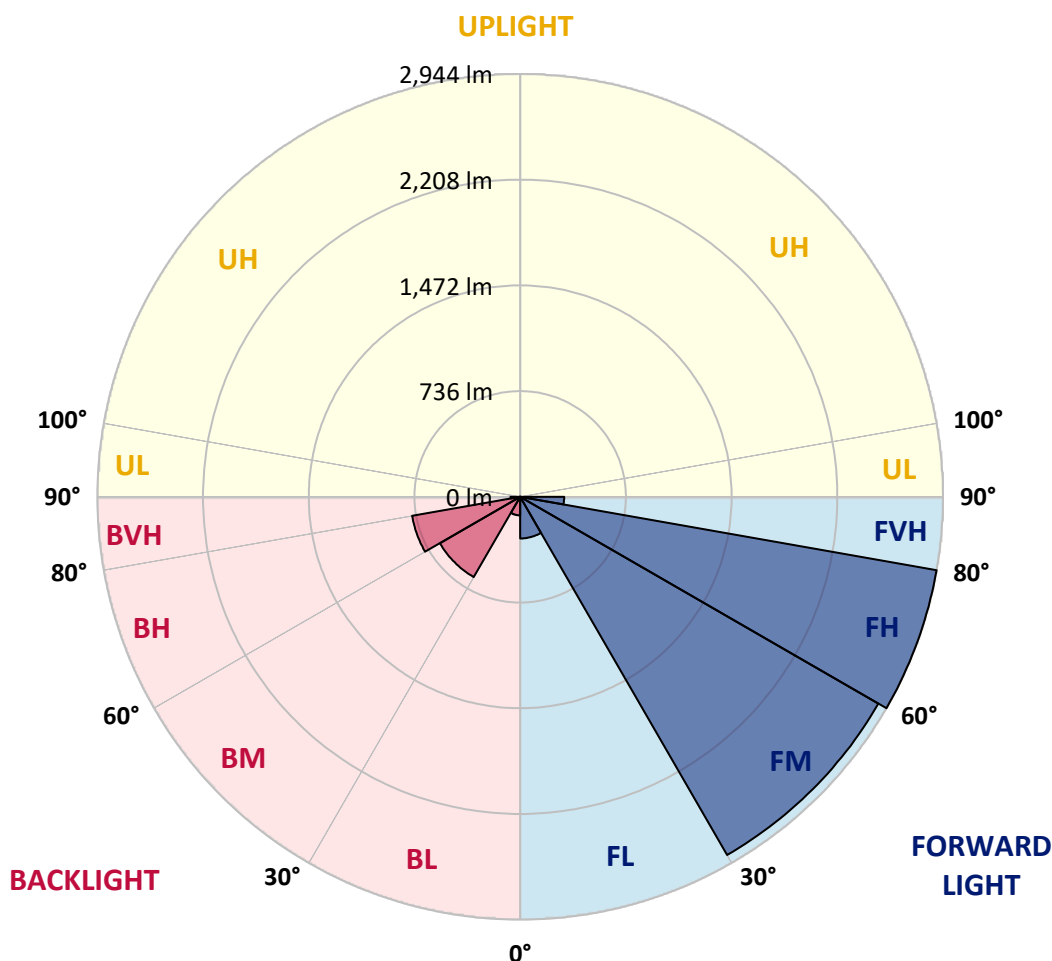
CATALOG NUMBER: LXS-VA3-730-U-AST-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.9	3.6			
FM	(30°-60°)	2879.7	35.9			
FH	(60°-80°)	2944.0	36.7			G2/5000
FVH	(80°-90°)	306.2	3.8			G3/500
BL	(0°-30°)	129.3	1.6	B1/500		
BM	(30°-60°)	645.2	8.0	B1/1000		
BH	(60°-80°)	764.1	9.5	B2/1000		G2/1000
BVH	(80°-90°)	66.7	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





REPORT NUMBER: P553759

CATALOG NUMBER: LXS-VA3-730-U-AST-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2.5°	355.0	358.2	355.0	355.0	351.8	348.6	342.2	335.8	335.8	332.6	326.2
5°	387.0	390.2	387.0	383.8	380.6	374.2	364.6	358.2	358.2	345.4	335.8
7.5°	419.0	419.0	419.0	412.6	406.2	399.8	387.0	377.4	377.4	364.6	348.6
10°	460.6	460.6	460.6	451.0	438.2	428.6	412.6	399.8	399.8	380.6	361.4
12.5°	508.5	511.7	505.3	498.9	486.1	467.0	444.6	428.6	428.6	406.2	377.4
15°	556.5	559.7	550.1	546.9	537.3	514.9	483.0	460.6	457.4	431.8	396.6
17.5°	630.1	633.3	623.7	610.9	591.7	575.7	537.3	502.1	498.9	463.8	419.0
20°	726.0	729.2	719.6	703.6	671.7	649.3	614.1	566.1	562.9	511.7	457.4
22.5°	841.2	847.6	828.4	802.8	777.2	742.0	697.2	649.3	642.9	575.7	508.5
25°	1013.9	1023.5	978.7	930.7	889.1	866.8	799.6	745.2	742.0	639.7	566.1
27.5°	1180.2	1177.0	1148.2	1109.8	1026.7	994.7	927.5	863.6	866.8	732.4	633.3
30°	1420.1	1416.9	1356.1	1311.3	1257.0	1157.8	1106.6	1007.5	1007.5	860.4	726.0
32.5°	1778.3	1775.1	1704.7	1586.4	1509.6	1394.5	1317.7	1189.8	1186.6	1017.1	841.2
35°	2238.8	2229.2	2114.1	1954.2	1791.1	1707.9	1554.4	1429.7	1416.9	1202.6	988.3
37.5°	2469.1	2459.5	2376.4	2242.0	2085.3	1963.8	1819.9	1701.5	1685.5	1423.3	1148.2
40°	2609.9	2609.9	2549.1	2437.1	2334.8	2197.3	2104.5	1970.2	1947.8	1672.7	1336.9
42.5°	2705.8	2705.8	2667.4	2581.1	2526.7	2437.1	2363.6	2222.9	2203.7	1925.4	1548.0
45°	2734.6	2731.4	2709.0	2699.4	2651.4	2661.0	2606.7	2469.1	2449.9	2174.9	1771.9
47.5°	2820.9	2820.9	2744.2	2731.4	2757.0	2840.1	2827.3	2712.2	2696.2	2408.4	1999.0
50°	2817.7	2820.9	2820.9	2753.8	2862.5	2958.5	3012.8	2936.1	2926.5	2632.2	2219.7
52.5°	2859.3	2856.1	2811.3	2849.7	2900.9	3048.0	3169.6	3137.6	3128.0	2840.1	2424.3
55°	3207.9	3176.0	3083.2	3012.8	3083.2	3291.1	3428.6	3377.5	3351.9	3054.4	2613.1
57.5°	3335.9	3319.9	3249.5	3160.0	3278.3	3524.6	3713.3	3678.1	3633.3	3278.3	2798.6
60°	3278.3	3268.7	3230.3	3179.2	3339.1	3630.1	3905.2	3908.4	3892.4	3492.6	2984.1
62.5°	3239.9	3223.9	3121.6	3128.0	3284.7	3652.5	3988.3	4071.5	4065.1	3671.7	3124.8
65°	3064.0	3054.4	2996.9	2974.5	3172.8	3588.5	3981.9	4113.1	4113.1	3783.6	3214.3
67.5°	2753.8	2769.8	2785.8	2789.0	3022.4	3457.4	3866.8	4039.5	4049.1	3786.8	3214.3
70°	2478.7	2488.3	2497.9	2568.3	2798.6	3243.1	3658.9	3847.6	3863.6	3658.9	3118.4
72.5°	2226.1	2238.8	2222.9	2302.8	2510.7	2942.5	3351.9	3543.8	3569.4	3390.2	2916.9
75°	1935.0	1938.2	1931.8	1967.0	2171.7	2574.7	2952.1	3131.2	3144.0	3016.0	2600.3
77.5°	1605.6	1621.6	1599.2	1621.6	1813.5	2142.9	2481.9	2609.9	2641.8	2504.3	2155.7
80°	1247.4	1257.0	1225.0	1241.0	1375.3	1666.3	1912.6	1983.0	2015.0	1883.8	1612.0
82.5°	854.0	870.0	818.8	844.4	956.3	1138.6	1279.3	1272.9	1301.7	1177.0	991.5
85°	361.4	383.8	374.2	393.4	447.8	483.0	521.3	463.8	467.0	435.0	355.0
87.5°	9.6	9.6	9.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	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



REPORT NUMBER: P553759
 CATALOG NUMBER: LXS-VA3-730-U-AST-C

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6	316.6
2.5°	323.0	323.0	319.8	316.6	313.4	310.2	307.0	307.0	303.8	303.8	303.8
5°	332.6	329.4	319.8	313.4	307.0	300.6	297.4	291.0	291.0	287.9	287.9
7.5°	342.2	335.8	326.2	313.4	303.8	294.2	284.7	278.3	275.1	275.1	275.1
10°	351.8	345.4	329.4	316.6	300.6	287.9	278.3	271.9	268.7	268.7	265.5
12.5°	367.8	355.0	335.8	316.6	297.4	284.7	275.1	265.5	262.3	259.1	255.9
15°	380.6	367.8	345.4	319.8	297.4	281.5	268.7	255.9	249.5	246.3	246.3
17.5°	399.8	383.8	355.0	323.0	300.6	278.3	262.3	249.5	243.1	239.9	239.9
20°	431.8	412.6	371.0	332.6	307.0	278.3	259.1	246.3	236.7	230.3	230.3
22.5°	473.4	447.8	396.6	348.6	313.4	281.5	259.1	239.9	227.1	223.9	220.7
25°	521.3	486.1	422.2	367.8	319.8	284.7	255.9	233.5	220.7	217.5	214.3
27.5°	569.3	530.9	451.0	390.2	332.6	287.9	255.9	230.3	217.5	211.1	207.9
30°	649.3	585.3	483.0	412.6	345.4	294.2	255.9	227.1	211.1	204.7	204.7
32.5°	735.6	662.1	521.3	435.0	361.4	300.6	255.9	223.9	207.9	201.5	198.3
35°	860.4	751.6	578.9	451.0	377.4	307.0	255.9	223.9	204.7	195.1	195.1
37.5°	1001.1	879.5	642.9	486.1	390.2	313.4	255.9	220.7	198.3	191.9	188.7
40°	1164.2	1007.5	732.4	534.1	406.2	323.0	262.3	220.7	198.3	188.7	188.7
42.5°	1343.3	1161.0	838.0	591.7	431.8	335.8	265.5	220.7	195.1	185.5	185.5
45°	1532.0	1333.7	949.9	665.3	470.2	348.6	268.7	217.5	191.9	182.3	179.1
47.5°	1743.1	1509.6	1068.2	738.8	508.5	358.2	271.9	217.5	188.7	179.1	175.9
50°	1941.4	1701.5	1199.4	818.8	550.1	374.2	278.3	214.3	185.5	175.9	172.7
52.5°	2133.3	1874.2	1336.9	898.7	598.1	399.8	281.5	214.3	182.3	169.5	169.5
55°	2315.6	2040.5	1468.0	978.7	652.5	425.4	284.7	214.3	179.1	166.3	166.3
57.5°	2478.7	2206.9	1589.6	1058.7	700.4	451.0	284.7	207.9	172.7	163.1	159.9
60°	2651.4	2360.4	1704.7	1132.2	742.0	470.2	287.9	204.7	166.3	153.5	153.5
62.5°	2801.8	2485.1	1800.7	1193.0	767.6	483.0	291.0	198.3	159.9	147.1	147.1
65°	2897.7	2568.3	1871.0	1231.4	780.4	486.1	287.9	185.5	147.1	137.5	137.5
67.5°	2913.7	2587.5	1890.2	1237.8	770.8	476.6	278.3	169.5	137.5	124.7	124.7
70°	2830.5	2517.1	1845.4	1199.4	738.8	447.8	259.1	153.5	121.5	108.7	108.7
72.5°	2641.8	2354.0	1730.3	1113.0	674.9	406.2	233.5	137.5	105.5	96.0	96.0
75°	2344.4	2088.5	1525.6	975.5	585.3	348.6	198.3	118.3	86.4	80.0	80.0
77.5°	1928.6	1717.5	1257.0	780.4	460.6	275.1	159.9	96.0	67.2	64.0	64.0
80°	1429.7	1257.0	898.7	540.5	313.4	188.7	115.1	70.4	48.0	44.8	44.8
82.5°	854.0	738.8	514.9	307.0	163.1	105.5	67.2	44.8	28.8	25.6	25.6
85°	287.9	243.1	153.5	86.4	41.6	28.8	19.2	19.2	12.8	9.6	6.4
87.5°	3.2	3.2	3.2	3.2	3.2	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)