

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: P553784

Luminaire Tested: **LXS-VA3-830-U-AST-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553784
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-VA3-830-U-AST-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6848 lumens
Efficiency: N/A
Efficacy: 69.2 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

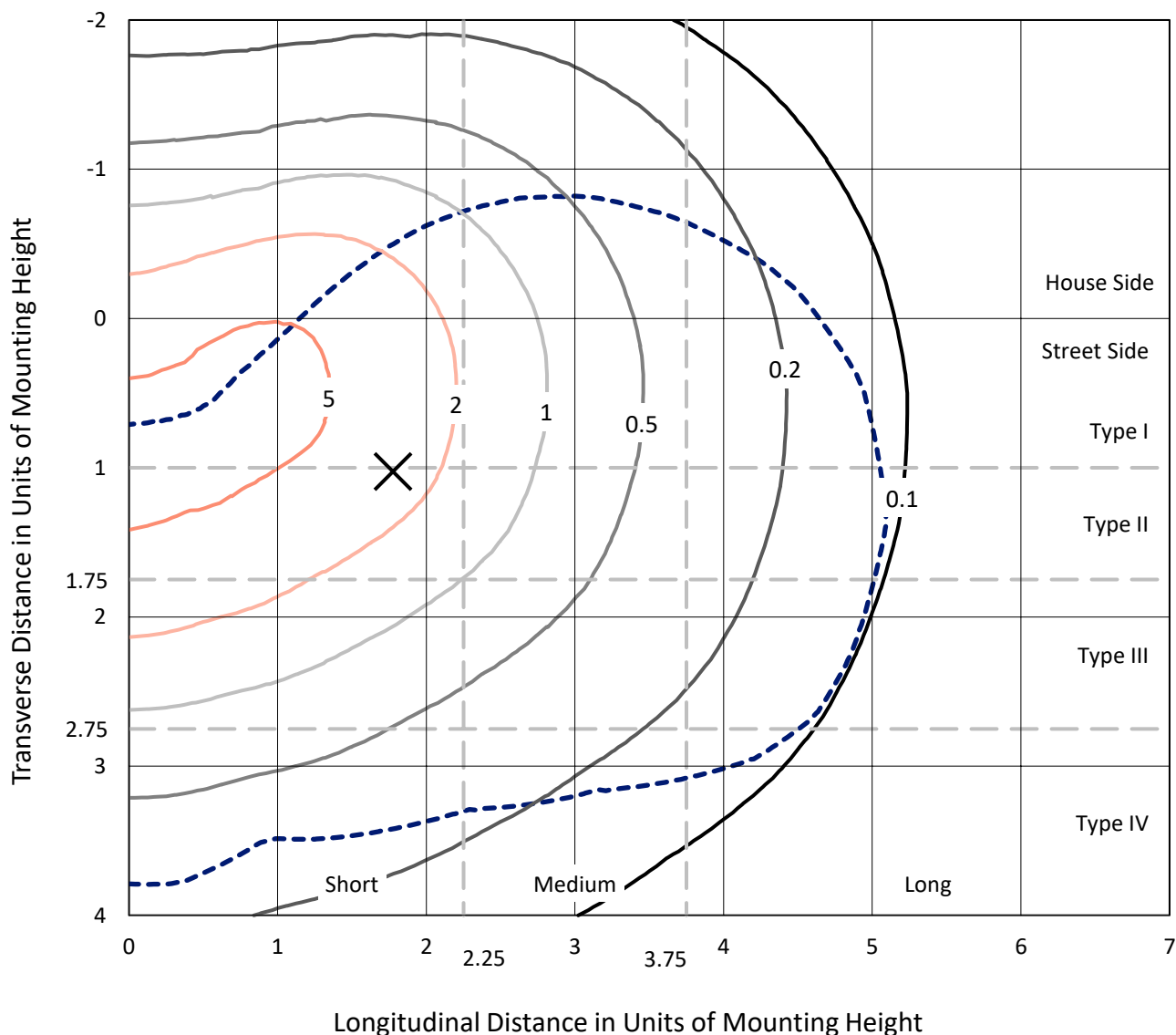


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Iso-Footcandle Lines of Horizontal Illumination

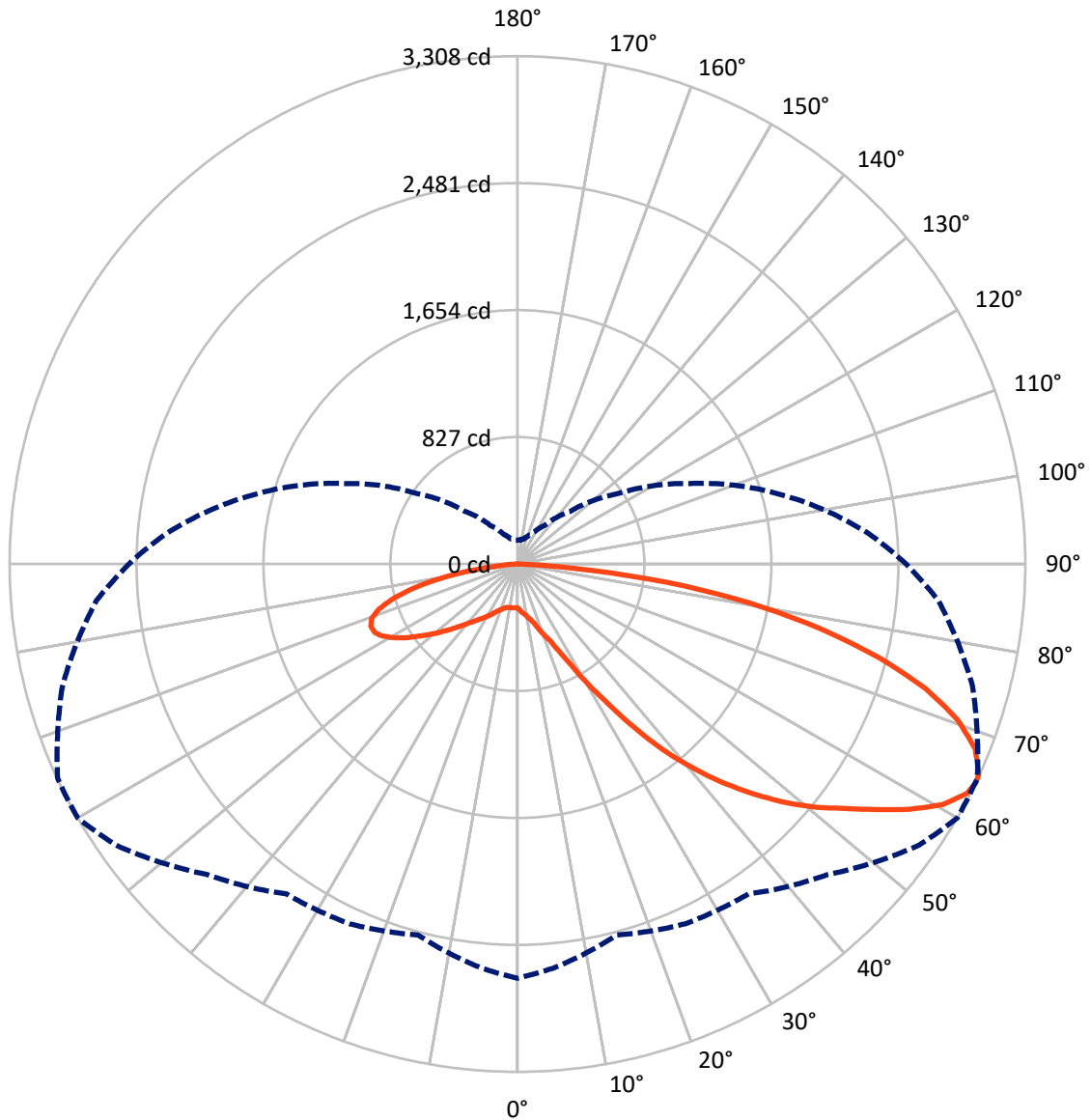
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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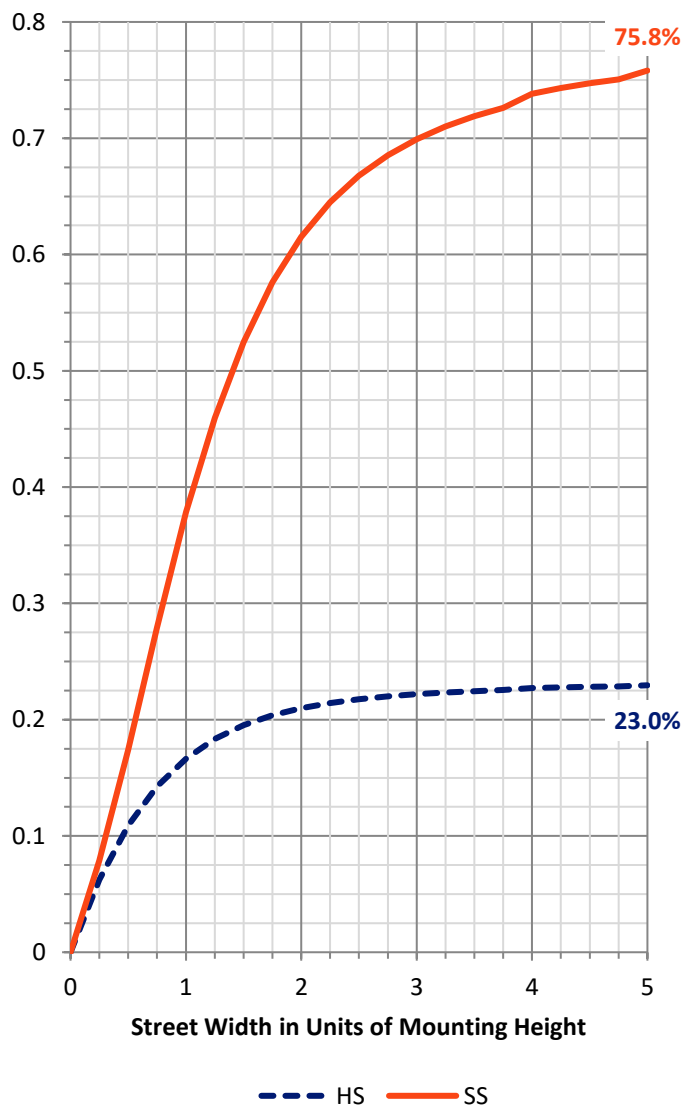
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1584.1	0.0	1584.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5264.0	0.0	5264.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	6848.0	0.0	6848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.4
10°-20°	99.9	1.5
20°-30°	234.1	3.4
30°-40°	548.8	8.0
40°-50°	991.7	14.5
50°-60°	1463.3	21.4
60°-70°	1776.7	25.9
70°-80°	1380.4	20.2
80°-90°	324.0	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°	6848.0	100.0
0°-180°	6848.0	100.0

Coefficient of Utilization



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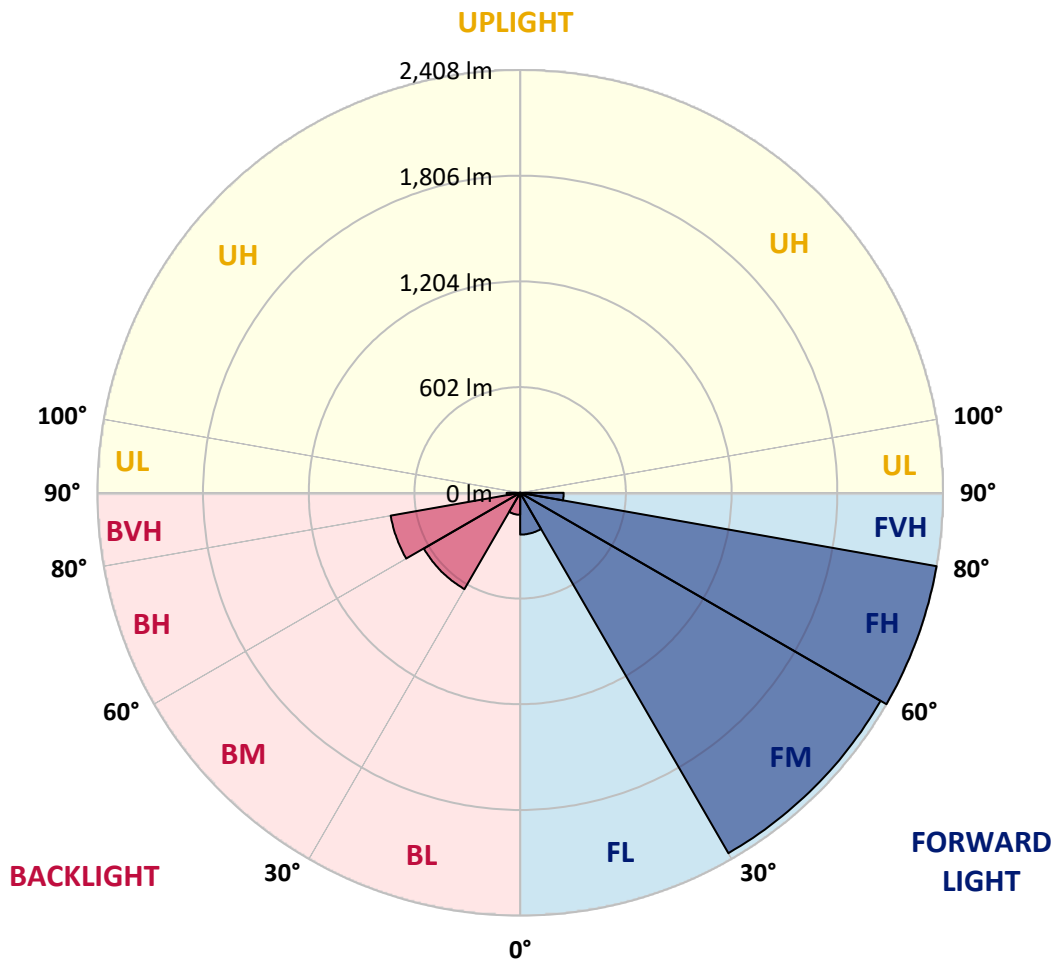
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.9	3.5			
FM (30°-60°)	2370.2	34.6			
FH (60°-80°)	2408.2	35.2			G2/5000
FVH (80°-90°)	247.6	3.6			G3/500
BL (0°-30°)	125.2	1.8	B1/500		
BM (30°-60°)	633.6	9.3	B1/1000		
BH (60°-80°)	748.9	10.9	B2/1000		G2/1000
BVH (80°-90°)	76.4	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°	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0
2.5°	312.0	312.0	312.0	309.1	309.1	306.2	300.4	300.4	297.5	294.7	291.8
5°	329.3	329.3	329.3	326.4	326.4	323.5	317.8	317.8	314.9	309.1	303.3
7.5°	343.8	346.7	343.8	343.8	340.9	338.0	332.2	329.3	326.4	320.7	312.0
10°	375.5	372.7	369.8	366.9	361.1	355.3	349.5	346.7	343.8	335.1	323.5
12.5°	404.4	401.5	401.5	395.8	390.0	381.3	372.7	369.8	366.9	355.3	340.9
15°	436.2	436.2	433.3	430.4	424.7	416.0	401.5	395.8	392.9	378.4	355.3
17.5°	491.1	491.1	485.3	482.4	473.8	468.0	450.7	442.0	430.4	413.1	387.1
20°	557.5	557.5	557.5	557.5	540.2	517.1	499.8	491.1	476.6	450.7	421.8
22.5°	638.4	638.4	635.5	641.3	629.8	580.6	551.8	540.2	525.8	499.8	465.1
25°	771.3	774.2	765.5	756.9	728.0	684.6	635.5	626.9	615.3	569.1	525.8
27.5°	881.1	884.0	901.3	898.4	846.4	803.1	768.4	745.3	730.9	650.0	592.2
30°	1042.9	1042.9	1063.1	1063.1	1019.7	959.1	936.0	907.1	863.7	754.0	664.4
32.5°	1328.8	1323.1	1343.3	1265.3	1227.7	1158.4	1132.4	1083.3	1014.0	884.0	759.8
35°	1687.1	1678.4	1678.4	1548.4	1444.4	1404.0	1334.6	1302.8	1216.2	1042.9	875.3
37.5°	1874.8	1874.8	1900.8	1776.6	1687.1	1614.8	1557.1	1528.2	1447.3	1236.4	1011.1
40°	2004.8	2016.4	2045.3	1949.9	1895.0	1799.7	1782.4	1736.2	1666.8	1441.5	1172.8
42.5°	2100.1	2111.7	2143.5	2082.8	2051.0	1978.8	1978.8	1935.5	1886.4	1646.6	1349.1
45°	2149.3	2157.9	2178.1	2204.1	2157.9	2137.7	2163.7	2126.1	2085.7	1851.7	1542.6
47.5°	2250.4	2256.1	2209.9	2241.7	2244.6	2279.3	2325.5	2311.0	2276.4	2039.5	1730.4
50°	2267.7	2276.4	2279.3	2282.1	2339.9	2374.6	2461.2	2487.2	2446.8	2215.7	1921.0
52.5°	2342.8	2322.6	2279.3	2374.6	2365.9	2443.9	2579.7	2643.2	2599.9	2389.0	2097.3
55°	2675.0	2614.4	2501.7	2527.7	2507.5	2628.8	2781.9	2822.3	2770.3	2556.6	2256.1
57.5°	2796.3	2738.6	2640.4	2660.6	2669.2	2805.0	2995.7	3013.0	2972.6	2724.1	2412.1
60°	2773.2	2712.6	2625.9	2692.3	2724.1	2885.9	3143.0	3180.6	3163.2	2883.0	2573.9
62.5°	2761.7	2698.1	2547.9	2654.8	2677.9	2891.7	3197.9	3287.4	3281.7	3013.0	2703.9
64°	2698.1	2643.2	2501.7	2585.5	2623.0	2859.9	3192.1	3307.7	3304.8	3067.9	2753.0
65°	2614.4	2576.8	2455.5	2524.8	2579.7	2822.3	3171.9	3301.9	3296.1	3085.2	2773.2
67.5°	2354.4	2342.8	2290.8	2371.7	2461.2	2706.8	3067.9	3215.2	3226.8	3067.9	2773.2
70°	2134.8	2123.3	2071.3	2183.9	2279.3	2524.8	2897.5	3041.9	3056.3	2946.6	2689.5
72.5°	1921.0	1918.2	1837.3	1961.5	2045.3	2279.3	2643.2	2781.9	2802.1	2724.1	2510.4
75°	1675.5	1681.3	1603.3	1684.2	1767.9	1975.9	2296.6	2432.4	2449.7	2403.5	2230.1
77.5°	1395.3	1398.2	1331.7	1392.4	1476.2	1635.1	1921.0	2010.6	2042.4	2004.8	1851.7
80°	1083.3	1092.0	1028.4	1068.9	1126.6	1253.7	1470.4	1531.1	1533.9	1505.1	1383.7
82.5°	782.9	754.0	696.2	728.0	785.7	837.7	970.6	988.0	973.5	938.9	843.5
85°	358.2	329.3	332.2	366.9	369.8	340.9	378.4	361.1	355.3	320.7	294.7
87.5°	14.4	11.6	11.6	11.6	8.7	5.8	8.7	5.8	5.8	5.8	5.8
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°	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0	286.0
2.5°	291.8	288.9	286.0	286.0	283.1	283.1	280.2	280.2	277.3	277.3	277.3
5°	300.4	297.5	291.8	288.9	283.1	280.2	277.3	271.5	268.7	268.7	268.7
7.5°	309.1	303.3	297.5	291.8	283.1	277.3	268.7	262.9	260.0	257.1	257.1
10°	317.8	314.9	303.3	291.8	283.1	271.5	262.9	257.1	254.2	251.3	251.3
12.5°	332.2	326.4	312.0	297.5	283.1	271.5	262.9	254.2	245.5	242.7	242.7
15°	346.7	338.0	320.7	300.4	283.1	271.5	257.1	245.5	236.9	231.1	231.1
17.5°	372.7	364.0	340.9	312.0	291.8	271.5	254.2	239.8	231.1	225.3	225.3
20°	407.3	392.9	361.1	326.4	300.4	274.4	254.2	236.9	222.4	216.7	213.8
22.5°	447.8	430.4	387.1	343.8	309.1	277.3	254.2	234.0	216.7	205.1	205.1
25°	496.9	473.8	416.0	366.9	320.7	283.1	257.1	231.1	213.8	202.2	202.2
27.5°	554.6	522.9	450.7	395.8	338.0	291.8	257.1	231.1	213.8	205.1	202.2
30°	618.2	580.6	491.1	421.8	355.3	297.5	260.0	228.2	210.9	205.1	205.1
32.5°	693.3	647.1	540.2	450.7	372.7	306.2	260.0	225.3	208.0	205.1	205.1
35°	788.6	725.1	592.2	482.4	390.0	314.9	260.0	225.3	208.0	199.3	199.3
37.5°	910.0	820.4	655.8	520.0	410.2	323.5	262.9	228.2	208.0	196.4	196.4
40°	1051.5	933.1	730.9	563.3	433.3	335.1	268.7	228.2	208.0	196.4	193.5
42.5°	1198.8	1066.0	814.6	615.3	462.2	346.7	271.5	231.1	205.1	193.5	190.7
45°	1369.3	1216.2	912.9	676.0	494.0	361.1	277.3	234.0	202.2	190.7	187.8
47.5°	1551.3	1375.1	1025.5	745.3	525.8	375.5	283.1	234.0	199.3	187.8	184.9
50°	1730.4	1542.6	1155.5	820.4	563.3	392.9	288.9	234.0	199.3	184.9	182.0
52.5°	1895.0	1701.5	1279.7	895.5	603.8	410.2	294.7	234.0	196.4	182.0	179.1
55°	2051.0	1848.8	1404.0	976.4	652.9	430.4	300.4	231.1	193.5	179.1	176.2
57.5°	2198.4	1993.3	1522.4	1063.1	702.0	453.5	306.2	228.2	187.8	173.3	173.3
60°	2345.7	2129.0	1629.3	1141.1	748.2	468.0	309.1	225.3	184.9	167.5	167.5
62.5°	2475.7	2244.6	1721.7	1207.5	785.7	479.5	309.1	219.5	176.2	161.8	158.9
64°	2530.6	2293.7	1762.2	1239.3	800.2	485.3	306.2	213.8	170.4	156.0	156.0
65°	2556.6	2313.9	1782.4	1253.7	808.9	485.3	303.3	208.0	167.5	153.1	150.2
67.5°	2571.0	2325.5	1799.7	1265.3	808.9	476.6	291.8	196.4	156.0	138.7	138.7
70°	2498.8	2267.7	1759.3	1239.3	788.6	459.3	271.5	179.1	141.6	127.1	127.1
72.5°	2334.1	2129.0	1652.4	1164.2	730.9	424.7	248.4	161.8	127.1	112.7	112.7
75°	2071.3	1880.6	1461.7	1028.4	644.2	372.7	216.7	141.6	109.8	101.1	98.2
77.5°	1713.1	1571.5	1210.4	840.6	531.5	303.3	176.2	115.6	92.4	83.8	83.8
80°	1268.2	1164.2	878.2	612.4	390.0	225.3	132.9	89.6	72.2	66.4	66.4
82.5°	759.8	699.1	511.3	366.9	239.8	141.6	89.6	60.7	52.0	49.1	49.1
85°	262.9	245.5	170.4	135.8	109.8	69.3	46.2	34.7	34.7	28.9	28.9
87.5°	5.8	11.6	11.6	17.3	17.3	17.3	14.4	11.6	14.4	14.4	14.4
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)