

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: P553783

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553783
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-VA3-830-U-AST-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7241 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

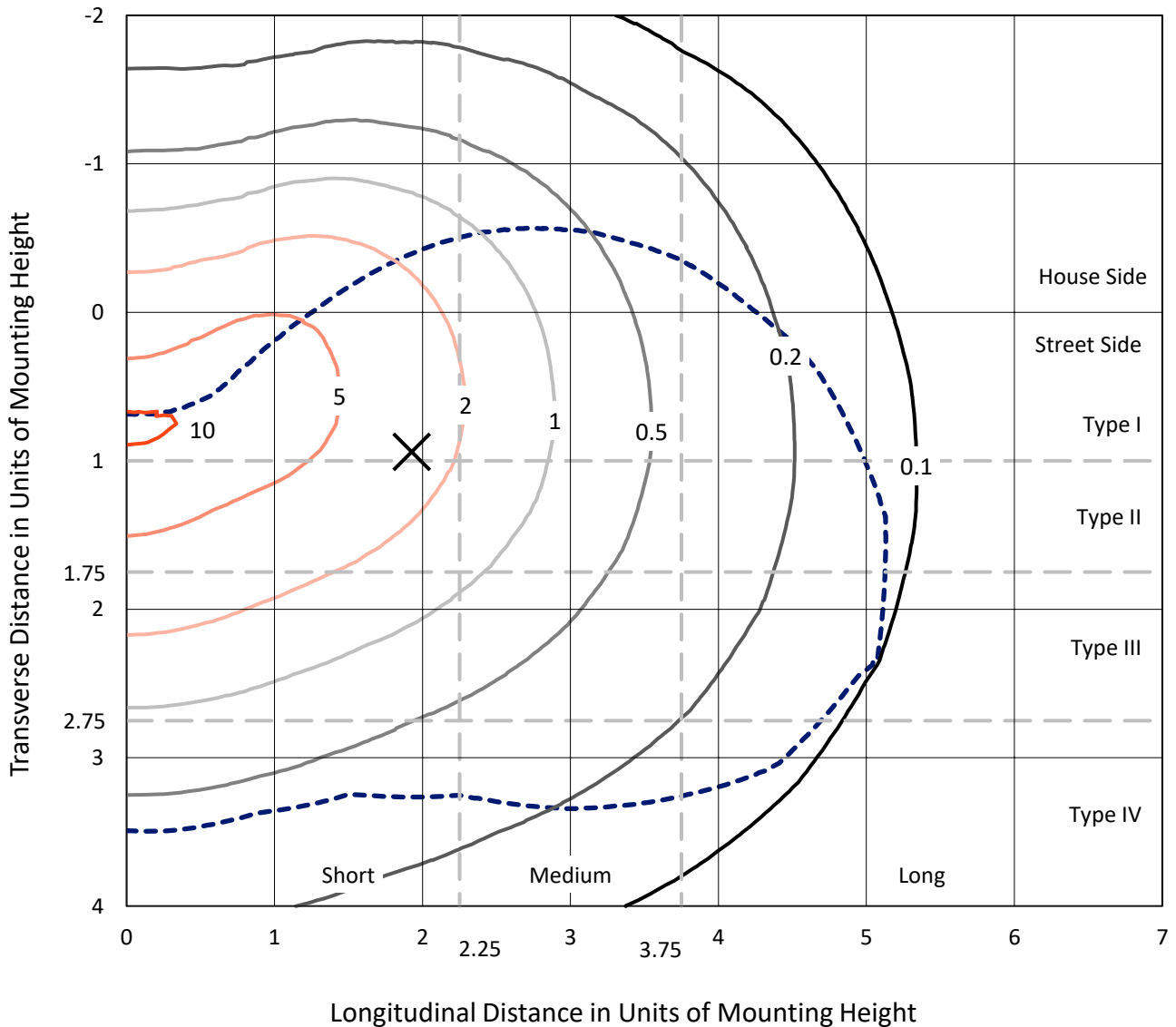
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

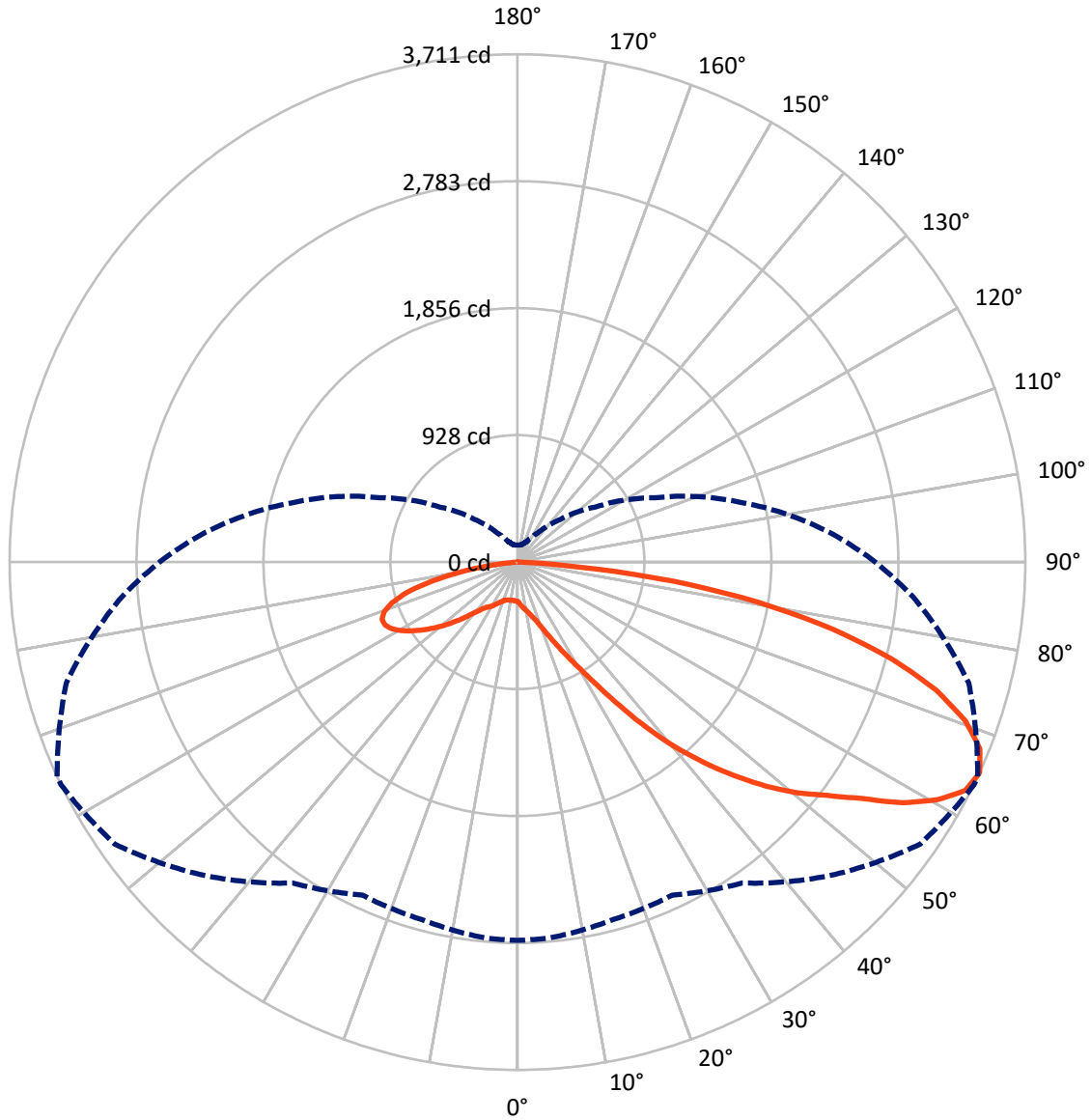
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 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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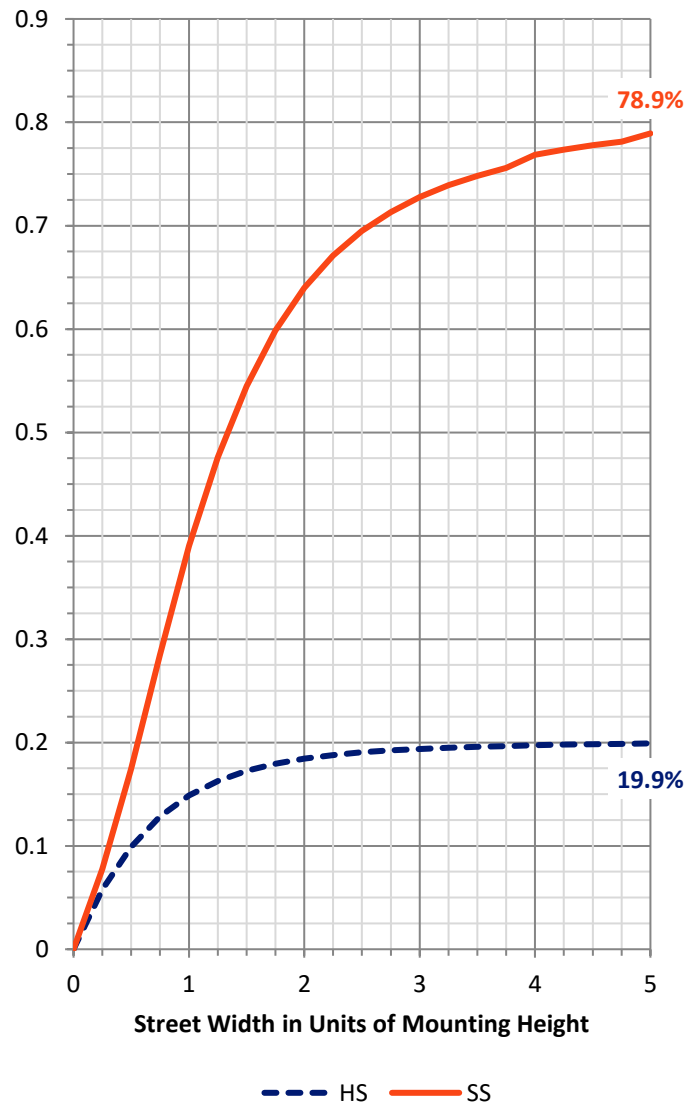
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.5	0.0	1448.5
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	5792.5	0.0	5792.5
	% Fixture	80.0	0.0	80.0
Total	Lumens	7241.0	0.0	7241.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	0.4
10°-20°	103.7	1.4
20°-30°	244.9	3.4
30°-40°	578.6	8.0
40°-50°	1051.1	14.5
50°-60°	1550.9	21.4
60°-70°	1884.0	26.0
70°-80°	1461.8	20.2
80°-90°	336.5	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°	7241.0	100.0
0°-180°	7241.0	100.0



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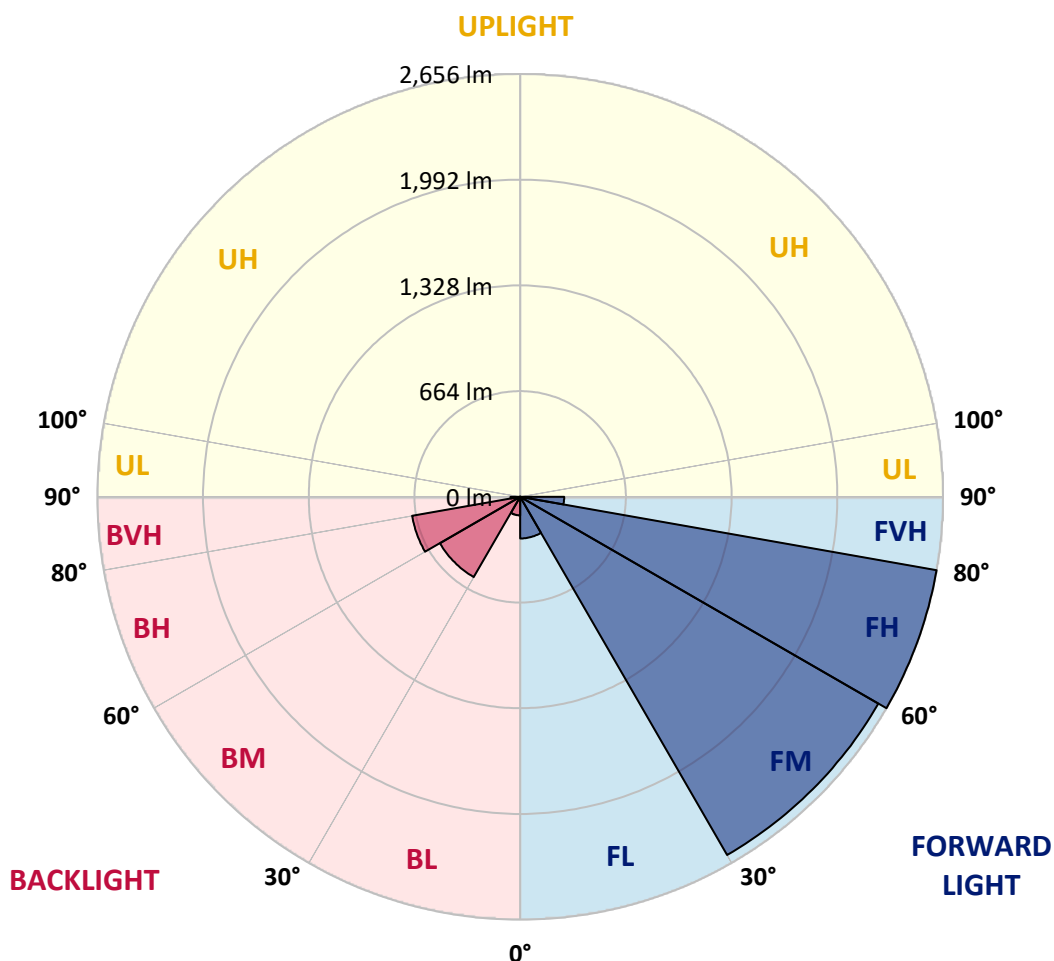
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.6	3.6			
FM	(30°-60°)	2598.3	35.9			
FH	(60°-80°)	2656.3	36.7			G2/5000
FVH	(80°-90°)	276.3	3.8			G3/500
BL	(0°-30°)	116.6	1.6	B1/500		
BM	(30°-60°)	582.2	8.0	B1/1000		
BH	(60°-80°)	689.4	9.5	B2/1000		G2/1000
BVH	(80°-90°)	60.2	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°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7
2.5°	320.3	323.2	320.3	320.3	317.4	314.6	308.8	303.0	303.0	300.1	294.4
5°	349.2	352.1	349.2	346.3	343.4	337.6	329.0	323.2	323.2	311.7	303.0
7.5°	378.1	378.1	378.1	372.3	366.5	360.7	349.2	340.5	340.5	329.0	314.6
10°	415.6	415.6	415.6	406.9	395.4	386.7	372.3	360.7	360.7	343.4	326.1
12.5°	458.9	461.7	456.0	450.2	438.7	421.3	401.1	386.7	386.7	366.5	340.5
15°	502.1	505.0	496.4	493.5	484.8	464.6	435.8	415.6	412.7	389.6	357.8
17.5°	568.5	571.4	562.7	551.2	533.9	519.5	484.8	453.1	450.2	418.5	378.1
20°	655.1	658.0	649.3	634.9	606.0	585.8	554.1	510.8	507.9	461.7	412.7
22.5°	759.0	764.8	747.4	724.4	701.3	669.5	629.1	585.8	580.1	519.5	458.9
25°	914.8	923.5	883.1	839.8	802.3	782.1	721.5	672.4	669.5	577.2	510.8
27.5°	1064.9	1062.0	1036.0	1001.4	926.4	897.5	836.9	779.2	782.1	660.9	571.4
30°	1281.3	1278.4	1223.6	1183.2	1134.2	1044.7	998.5	909.1	909.1	776.3	655.1
32.5°	1604.6	1601.7	1538.2	1431.4	1362.1	1258.2	1189.0	1073.5	1070.7	917.7	759.0
35°	2020.1	2011.5	1907.6	1763.3	1616.1	1541.1	1402.5	1290.0	1278.4	1085.1	891.7
37.5°	2227.9	2219.2	2144.2	2023.0	1881.6	1771.9	1642.1	1535.3	1520.9	1284.2	1036.0
40°	2354.9	2354.9	2300.1	2199.0	2106.7	1982.6	1898.9	1777.7	1757.5	1509.3	1206.3
42.5°	2441.5	2441.5	2406.8	2328.9	2279.9	2199.0	2132.7	2005.7	1988.4	1737.3	1396.8
45°	2467.4	2464.5	2444.3	2435.7	2392.4	2401.1	2352.0	2227.9	2210.6	1962.4	1598.8
47.5°	2545.4	2545.4	2476.1	2464.5	2487.6	2562.7	2551.1	2447.2	2432.8	2173.1	1803.7
50°	2542.5	2545.4	2545.4	2484.7	2582.9	2669.4	2718.5	2649.2	2640.6	2375.1	2002.8
52.5°	2580.0	2577.1	2536.7	2571.3	2617.5	2750.2	2859.9	2831.1	2822.4	2562.7	2187.5
55°	2894.5	2865.7	2782.0	2718.5	2782.0	2969.6	3093.7	3047.5	3024.4	2756.0	2357.8
57.5°	3010.0	2995.5	2932.1	2851.3	2958.0	3180.2	3350.5	3318.8	3278.4	2958.0	2525.2
60°	2958.0	2949.4	2914.7	2868.6	3012.9	3275.5	3523.7	3526.6	3512.1	3151.4	2692.5
62.5°	2923.4	2909.0	2816.6	2822.4	2963.8	3295.7	3598.7	3673.7	3668.0	3313.0	2819.5
65°	2764.7	2756.0	2704.1	2683.9	2862.8	3238.0	3592.9	3711.2	3711.2	3414.0	2900.3
67.5°	2484.7	2499.2	2513.6	2516.5	2727.2	3119.6	3489.0	3644.9	3653.5	3416.9	2900.3
70°	2236.6	2245.2	2253.9	2317.4	2525.2	2926.3	3301.5	3471.7	3486.2	3301.5	2813.7
72.5°	2008.6	2020.1	2005.7	2077.8	2265.4	2655.0	3024.4	3197.6	3220.6	3059.0	2631.9
75°	1746.0	1748.8	1743.1	1774.8	1959.5	2323.1	2663.7	2825.3	2836.8	2721.4	2346.2
77.5°	1448.7	1463.1	1442.9	1463.1	1636.3	1933.5	2239.4	2354.9	2383.7	2259.6	1945.1
80°	1125.5	1134.2	1105.3	1119.7	1240.9	1503.5	1725.8	1789.2	1818.1	1699.8	1454.5
82.5°	770.5	785.0	738.8	761.9	862.9	1027.4	1154.4	1148.6	1174.6	1062.0	894.6
85°	326.1	346.3	337.6	355.0	404.0	435.8	470.4	418.5	421.3	392.5	320.3
87.5°	8.7	8.7	8.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	2.9
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°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7
2.5°	291.5	291.5	288.6	285.7	282.8	279.9	277.0	277.0	274.2	274.2	274.2
5°	300.1	297.2	288.6	282.8	277.0	271.3	268.4	262.6	262.6	259.7	259.7
7.5°	308.8	303.0	294.4	282.8	274.2	265.5	256.8	251.1	248.2	248.2	248.2
10°	317.4	311.7	297.2	285.7	271.3	259.7	251.1	245.3	242.4	242.4	239.5
12.5°	331.9	320.3	303.0	285.7	268.4	256.8	248.2	239.5	236.6	233.8	230.9
15°	343.4	331.9	311.7	288.6	268.4	254.0	242.4	230.9	225.1	222.2	222.2
17.5°	360.7	346.3	320.3	291.5	271.3	251.1	236.6	225.1	219.3	216.4	216.4
20°	389.6	372.3	334.8	300.1	277.0	251.1	233.8	222.2	213.6	207.8	207.8
22.5°	427.1	404.0	357.8	314.6	282.8	254.0	233.8	216.4	204.9	202.0	199.1
25°	470.4	438.7	380.9	331.9	288.6	256.8	230.9	210.7	199.1	196.2	193.4
27.5°	513.7	479.1	406.9	352.1	300.1	259.7	230.9	207.8	196.2	190.5	187.6
30°	585.8	528.1	435.8	372.3	311.7	265.5	230.9	204.9	190.5	184.7	184.7
32.5°	663.8	597.4	470.4	392.5	326.1	271.3	230.9	202.0	187.6	181.8	178.9
35°	776.3	678.2	522.3	406.9	340.5	277.0	230.9	202.0	184.7	176.0	176.0
37.5°	903.3	793.6	580.1	438.7	352.1	282.8	230.9	199.1	178.9	173.2	170.3
40°	1050.5	909.1	660.9	481.9	366.5	291.5	236.6	199.1	178.9	170.3	170.3
42.5°	1212.1	1047.6	756.1	533.9	389.6	303.0	239.5	199.1	176.0	167.4	167.4
45°	1382.3	1203.4	857.1	600.3	424.2	314.6	242.4	196.2	173.2	164.5	161.6
47.5°	1572.8	1362.1	963.9	666.6	458.9	323.2	245.3	196.2	170.3	161.6	158.7
50°	1751.7	1535.3	1082.2	738.8	496.4	337.6	251.1	193.4	167.4	158.7	155.8
52.5°	1924.9	1691.1	1206.3	810.9	539.7	360.7	254.0	193.4	164.5	153.0	153.0
55°	2089.4	1841.2	1324.6	883.1	588.7	383.8	256.8	193.4	161.6	150.1	150.1
57.5°	2236.6	1991.3	1434.3	955.2	632.0	406.9	256.8	187.6	155.8	147.2	144.3
60°	2392.4	2129.8	1538.2	1021.6	669.5	424.2	259.7	184.7	150.1	138.5	138.5
62.5°	2528.0	2242.3	1624.8	1076.4	692.6	435.8	262.6	178.9	144.3	132.8	132.8
65°	2614.6	2317.4	1688.2	1111.1	704.2	438.7	259.7	167.4	132.8	124.1	124.1
67.5°	2629.0	2334.7	1705.6	1116.8	695.5	430.0	251.1	153.0	124.1	112.5	112.5
70°	2554.0	2271.2	1665.2	1082.2	666.6	404.0	233.8	138.5	109.7	98.1	98.1
72.5°	2383.7	2124.0	1561.3	1004.3	608.9	366.5	210.7	124.1	95.2	86.6	86.6
75°	2115.4	1884.5	1376.6	880.2	528.1	314.6	178.9	106.8	77.9	72.1	72.1
77.5°	1740.2	1549.7	1134.2	704.2	415.6	248.2	144.3	86.6	60.6	57.7	57.7
80°	1290.0	1134.2	810.9	487.7	282.8	170.3	103.9	63.5	43.3	40.4	40.4
82.5°	770.5	666.6	464.6	277.0	147.2	95.2	60.6	40.4	26.0	23.1	23.1
85°	259.7	219.3	138.5	77.9	37.5	26.0	17.3	17.3	11.5	8.7	5.8
87.5°	2.9	2.9	2.9	2.9	2.9	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)