

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: P553782

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553782
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-VA3-830-U-AST-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE IV OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7480 lumens
Efficiency: N/A
Efficacy: 75.6 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

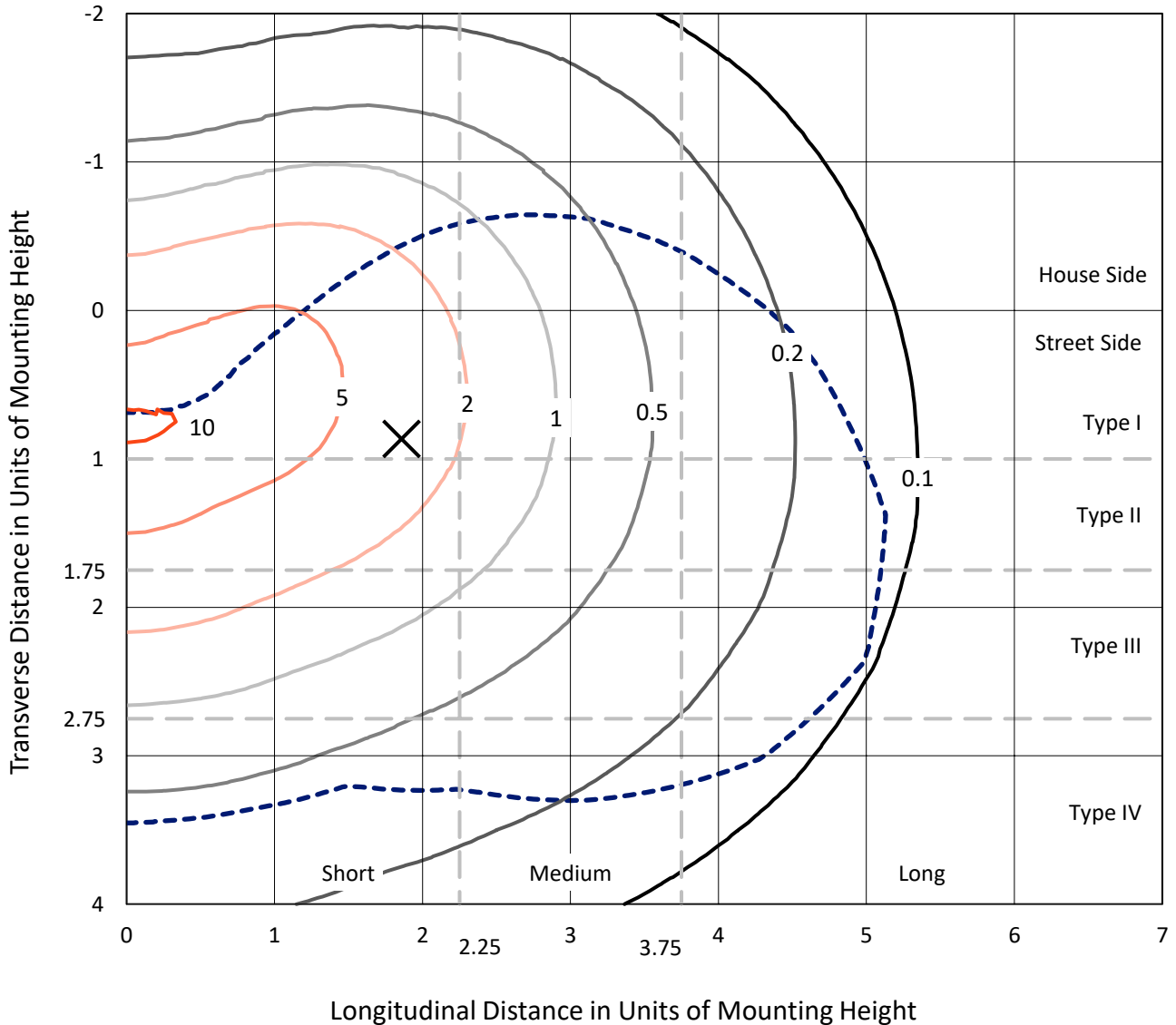


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Iso-Footcandle Lines of Horizontal Illumination

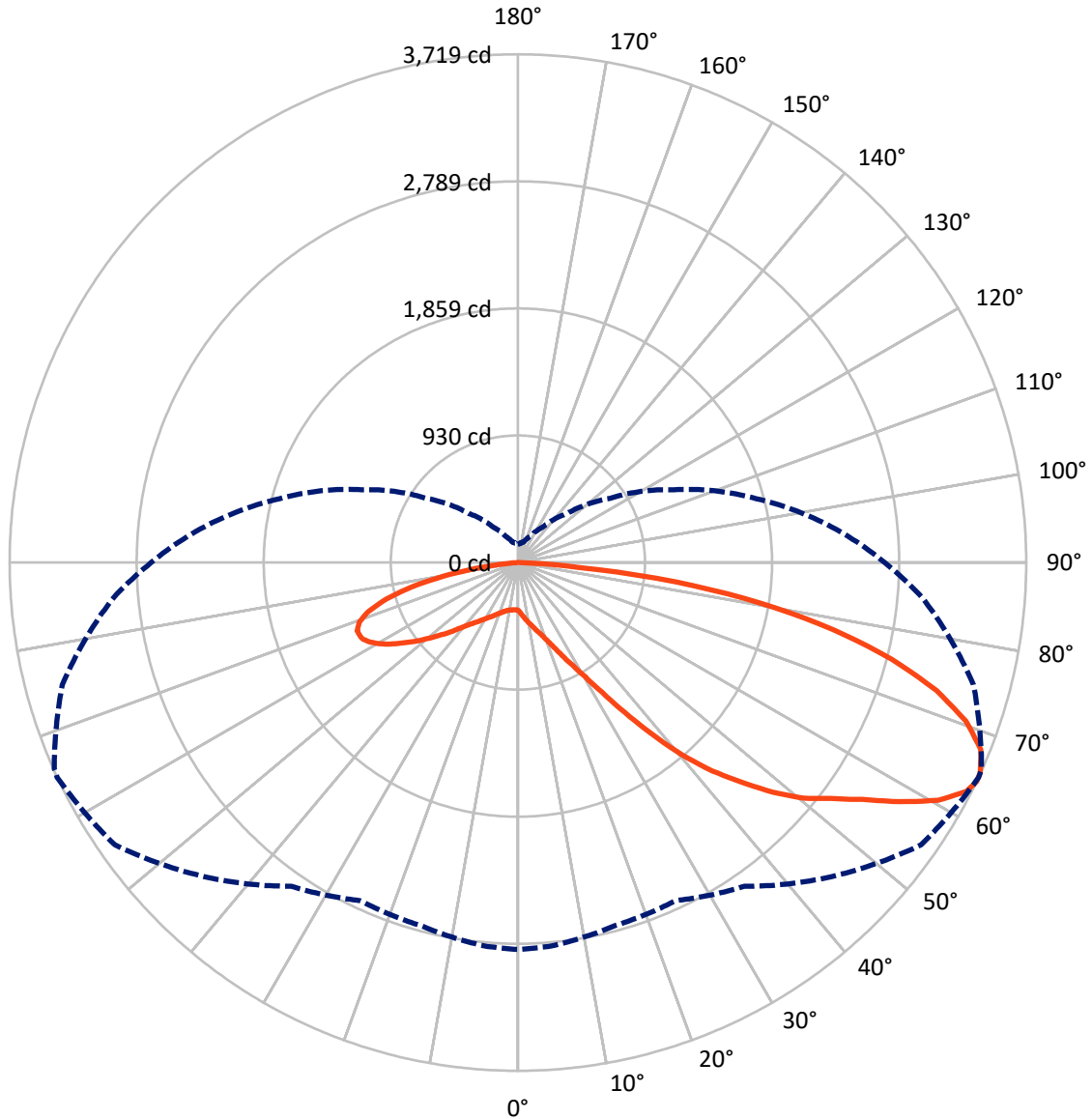
× Max cd
 - - - 1/2 Max cd



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

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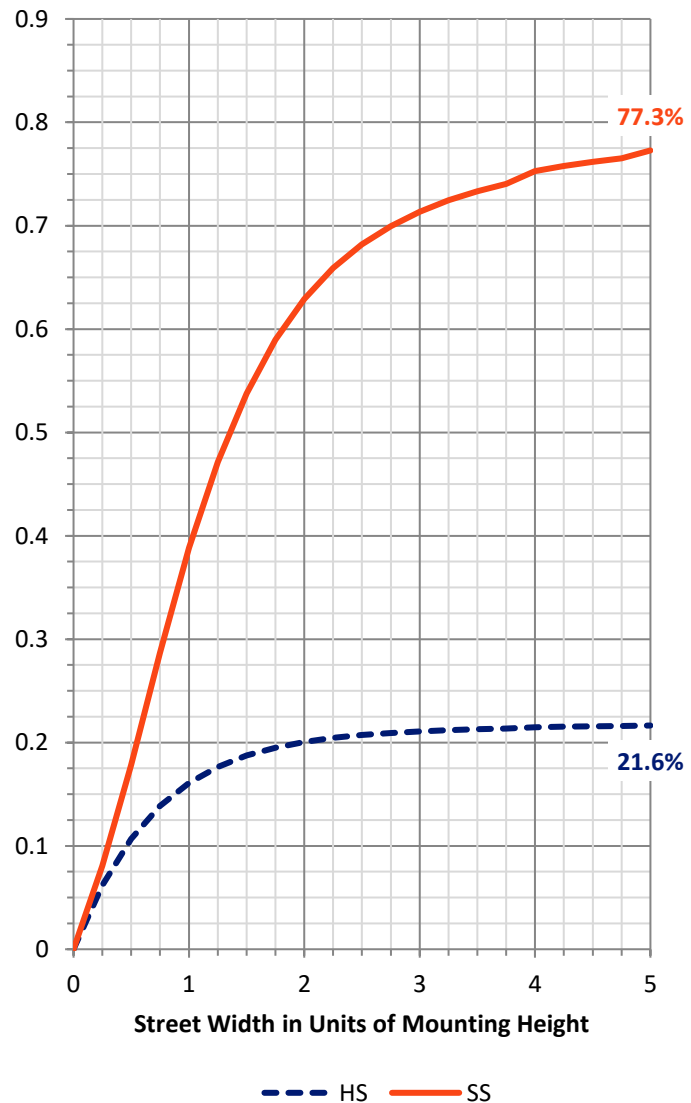
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1624.2	0.0	1624.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5855.8	0.0	5855.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	7480.0	0.0	7480.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	0.5
10°-20°	125.0	1.7
20°-30°	277.1	3.7
30°-40°	614.2	8.2
40°-50°	1089.4	14.6
50°-60°	1591.8	21.3
60°-70°	1926.1	25.8
70°-80°	1484.3	19.8
80°-90°	336.1	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°	7480.0	100.0
0°-180°	7480.0	100.0



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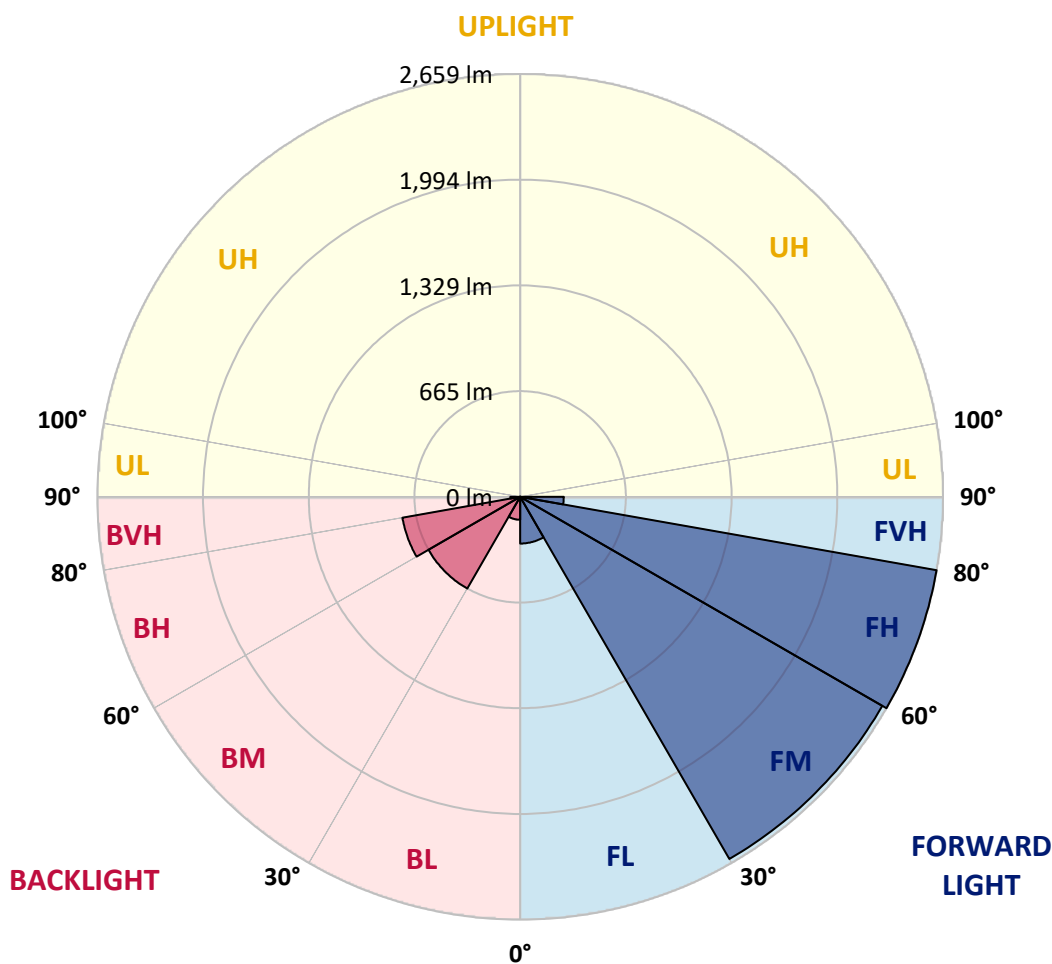
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.8	3.9			
FM	(30°-60°)	2629.3	35.2			
FH	(60°-80°)	2658.6	35.5			G2/5000
FVH	(80°-90°)	274.2	3.7			G3/500
BL	(0°-30°)	144.4	1.9	B1/500		
BM	(30°-60°)	666.1	8.9	B1/1000		
BH	(60°-80°)	751.8	10.1	B2/1000		G2/1000
BVH	(80°-90°)	61.9	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°	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1
2.5°	392.3	392.3	389.5	389.5	386.6	380.8	377.9	369.3	369.3	363.5	357.7
5°	424.1	424.1	424.1	421.2	418.3	412.5	406.8	395.2	395.2	383.7	375.0
7.5°	452.9	452.9	450.0	450.0	444.3	441.4	435.6	421.2	421.2	406.8	389.5
10°	493.3	490.4	487.5	484.7	478.9	470.2	464.5	450.0	447.2	429.9	409.7
12.5°	530.8	530.8	530.8	527.9	522.2	510.6	496.2	478.9	478.9	455.8	429.9
15°	574.1	571.2	571.2	568.3	565.4	556.8	536.6	516.4	513.5	490.4	455.8
17.5°	640.4	637.6	631.8	620.3	611.6	605.8	588.5	553.9	553.9	527.9	490.4
20°	721.2	718.3	709.7	698.1	678.0	660.6	646.2	605.8	600.1	571.2	525.1
22.5°	825.1	819.3	807.8	793.3	776.0	738.5	712.6	672.2	660.6	620.3	568.3
25°	969.3	963.6	940.5	897.2	868.4	845.3	793.3	753.0	741.4	680.8	620.3
27.5°	1093.4	1090.5	1079.0	1053.0	992.4	960.7	900.1	851.0	839.5	758.7	680.8
30°	1280.9	1272.2	1243.4	1211.7	1182.8	1113.6	1055.9	969.3	957.8	859.7	758.7
32.5°	1615.5	1598.2	1546.3	1451.1	1404.9	1324.2	1260.7	1130.9	1110.7	995.3	856.8
35°	2025.2	2005.0	1909.8	1771.3	1638.6	1580.9	1471.3	1344.4	1309.7	1165.5	975.1
37.5°	2221.4	2209.8	2143.5	2019.4	1892.5	1806.0	1710.7	1592.5	1552.1	1367.4	1113.6
40°	2348.3	2345.4	2290.6	2192.5	2108.9	2010.8	1958.9	1849.2	1808.8	1592.5	1286.7
42.5°	2432.0	2429.1	2397.4	2310.8	2276.2	2209.8	2181.0	2082.9	2051.2	1826.1	1474.2
45°	2455.1	2446.4	2432.0	2426.2	2382.9	2394.5	2394.5	2290.6	2270.4	2056.9	1681.9
47.5°	2535.8	2527.2	2466.6	2452.2	2478.1	2556.0	2582.0	2509.9	2495.4	2270.4	1872.3
50°	2530.1	2530.1	2532.9	2472.4	2576.2	2659.9	2726.2	2708.9	2697.4	2466.6	2074.2
52.5°	2573.3	2564.7	2524.3	2556.0	2605.1	2746.4	2861.8	2867.6	2870.5	2654.1	2258.9
55°	2867.6	2867.6	2778.2	2700.3	2772.4	2951.3	3086.9	3058.0	3052.2	2847.4	2437.7
57.5°	2994.5	2983.0	2916.6	2833.0	2945.5	3167.6	3337.8	3300.3	3283.0	3049.3	2608.0
60°	2945.5	2928.2	2893.6	2856.1	3000.3	3265.7	3516.7	3531.1	3516.7	3234.0	2772.4
62.5°	2905.1	2890.7	2807.0	2807.0	2951.3	3280.1	3594.6	3684.0	3669.6	3384.0	2910.9
64°	2830.1	2815.7	2749.3	2729.1	2890.7	3248.4	3600.4	3718.6	3712.9	3450.3	2971.5
65°	2732.0	2729.1	2691.6	2665.7	2844.5	3213.8	3583.1	3715.8	3715.8	3476.3	2991.6
67.5°	2475.3	2460.8	2504.1	2498.3	2706.0	3095.5	3479.2	3652.3	3649.4	3464.8	2985.9
70°	2230.0	2218.5	2256.0	2296.4	2518.5	2896.4	3294.6	3476.3	3473.4	3332.1	2887.8
72.5°	1984.8	1999.2	2007.9	2054.1	2256.0	2628.2	3014.7	3202.2	3196.5	3081.1	2691.6
75°	1751.1	1733.8	1742.5	1762.7	1956.0	2299.3	2654.1	2824.3	2821.4	2723.4	2382.9
77.5°	1454.0	1445.3	1448.2	1445.3	1630.0	1918.5	2209.8	2357.0	2354.1	2261.8	1961.7
80°	1136.7	1116.5	1119.3	1104.9	1260.7	1482.8	1699.2	1803.1	1785.8	1713.6	1459.8
82.5°	787.6	764.5	758.7	741.4	865.5	1006.8	1125.1	1165.5	1145.3	1079.0	891.4
85°	340.4	308.7	352.0	352.0	389.5	424.1	450.0	441.4	429.9	401.0	300.0
87.5°	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	2.9	2.9	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°	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1	349.1
2.5°	357.7	354.8	349.1	346.2	343.3	340.4	337.5	334.6	334.6	334.6	331.8
5°	369.3	363.5	354.8	346.2	340.4	331.8	326.0	320.2	317.3	314.5	314.5
7.5°	380.8	375.0	360.6	349.1	334.6	323.1	311.6	305.8	300.0	297.1	297.1
10°	398.1	389.5	369.3	352.0	331.8	317.3	302.9	294.3	288.5	288.5	285.6
12.5°	415.4	403.9	383.7	357.7	331.8	314.5	300.0	288.5	279.8	277.0	277.0
15°	441.4	427.0	398.1	366.4	337.5	314.5	294.3	277.0	268.3	262.5	262.5
17.5°	467.4	450.0	415.4	377.9	346.2	314.5	288.5	271.2	259.6	253.9	253.9
20°	499.1	478.9	435.6	392.3	354.8	314.5	285.6	265.4	251.0	245.2	245.2
22.5°	536.6	510.6	458.7	406.8	360.6	317.3	285.6	259.6	242.3	233.7	233.7
25°	579.9	548.1	484.7	427.0	369.3	323.1	282.7	251.0	233.7	225.0	225.0
27.5°	631.8	597.2	513.5	447.2	380.8	328.9	279.8	248.1	227.9	216.4	216.4
30°	692.4	649.1	551.0	470.2	395.2	331.8	282.7	245.2	222.1	210.6	207.7
32.5°	773.2	715.5	594.3	496.2	412.5	337.5	282.7	239.4	216.4	204.8	204.8
35°	871.2	796.2	646.2	525.1	427.0	346.2	282.7	239.4	210.6	199.1	196.2
37.5°	992.4	891.4	709.7	559.7	447.2	354.8	282.7	236.6	204.8	193.3	190.4
40°	1136.7	1006.8	778.9	600.1	467.4	363.5	288.5	233.7	204.8	190.4	190.4
42.5°	1298.2	1145.3	865.5	652.0	496.2	377.9	291.4	233.7	201.9	184.6	184.6
45°	1474.2	1298.2	966.4	715.5	530.8	392.3	294.3	236.6	196.2	181.7	178.9
47.5°	1667.5	1459.8	1079.0	778.9	562.6	409.7	300.0	233.7	193.3	178.9	176.0
50°	1846.3	1630.0	1203.0	851.0	600.1	424.1	305.8	230.8	190.4	176.0	173.1
52.5°	2019.4	1794.4	1329.9	928.9	640.4	444.3	311.6	230.8	187.5	170.2	167.3
55°	2183.9	1947.3	1454.0	1009.7	686.6	464.5	317.3	230.8	184.6	167.3	164.4
57.5°	2333.9	2091.6	1569.4	1093.4	735.7	484.7	320.2	227.9	181.7	161.6	158.7
60°	2489.7	2232.9	1673.2	1171.3	781.8	502.0	323.1	225.0	173.1	155.8	152.9
62.5°	2622.4	2351.2	1762.7	1234.7	807.8	507.7	320.2	216.4	164.4	144.2	141.4
64°	2683.0	2397.4	1806.0	1260.7	819.3	507.7	317.3	210.6	155.8	138.5	135.6
65°	2706.0	2420.4	1823.3	1272.2	825.1	507.7	311.6	207.7	150.0	135.6	132.7
67.5°	2714.7	2429.1	1834.8	1278.0	819.3	496.2	297.1	193.3	126.9	121.2	118.3
70°	2633.9	2357.0	1780.0	1237.6	784.7	467.4	277.0	173.1	106.7	101.0	103.9
72.5°	2452.2	2195.4	1661.7	1145.3	721.2	424.1	245.2	150.0	89.4	86.5	89.4
75°	2157.9	1927.1	1456.9	998.2	626.0	366.4	207.7	118.3	69.2	72.1	75.0
77.5°	1788.6	1589.6	1179.9	802.0	496.2	285.6	158.7	80.8	51.9	57.7	57.7
80°	1309.7	1154.0	845.3	559.7	343.3	190.4	98.1	49.0	34.6	40.4	40.4
82.5°	781.8	672.2	478.9	311.6	184.6	92.3	43.3	20.2	17.3	23.1	23.1
85°	277.0	227.9	147.1	86.5	46.2	20.2	8.7	2.9	2.9	0.0	0.0
87.5°	2.9	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)