

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: P553786

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-23-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-ASW-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6897 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

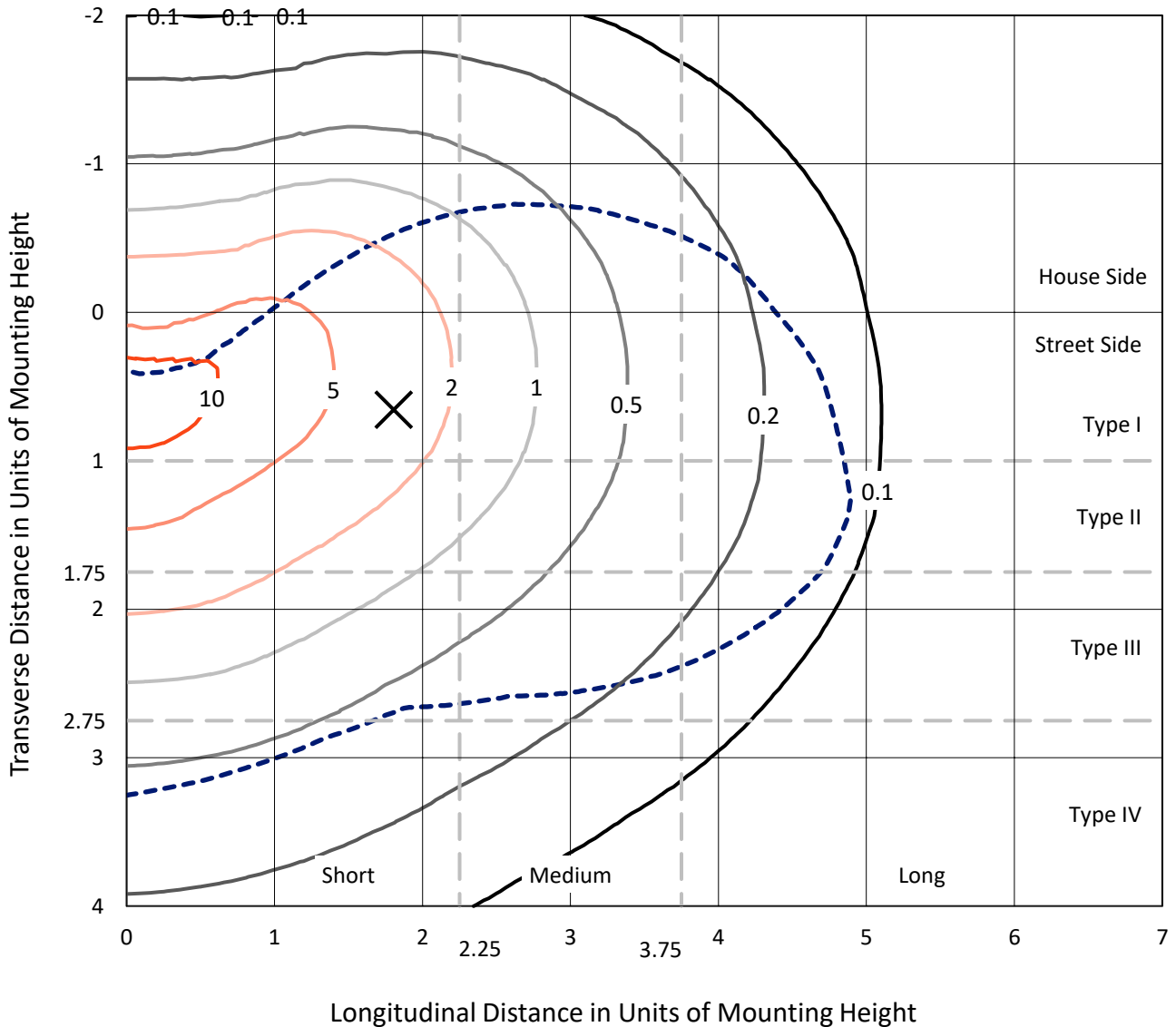
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

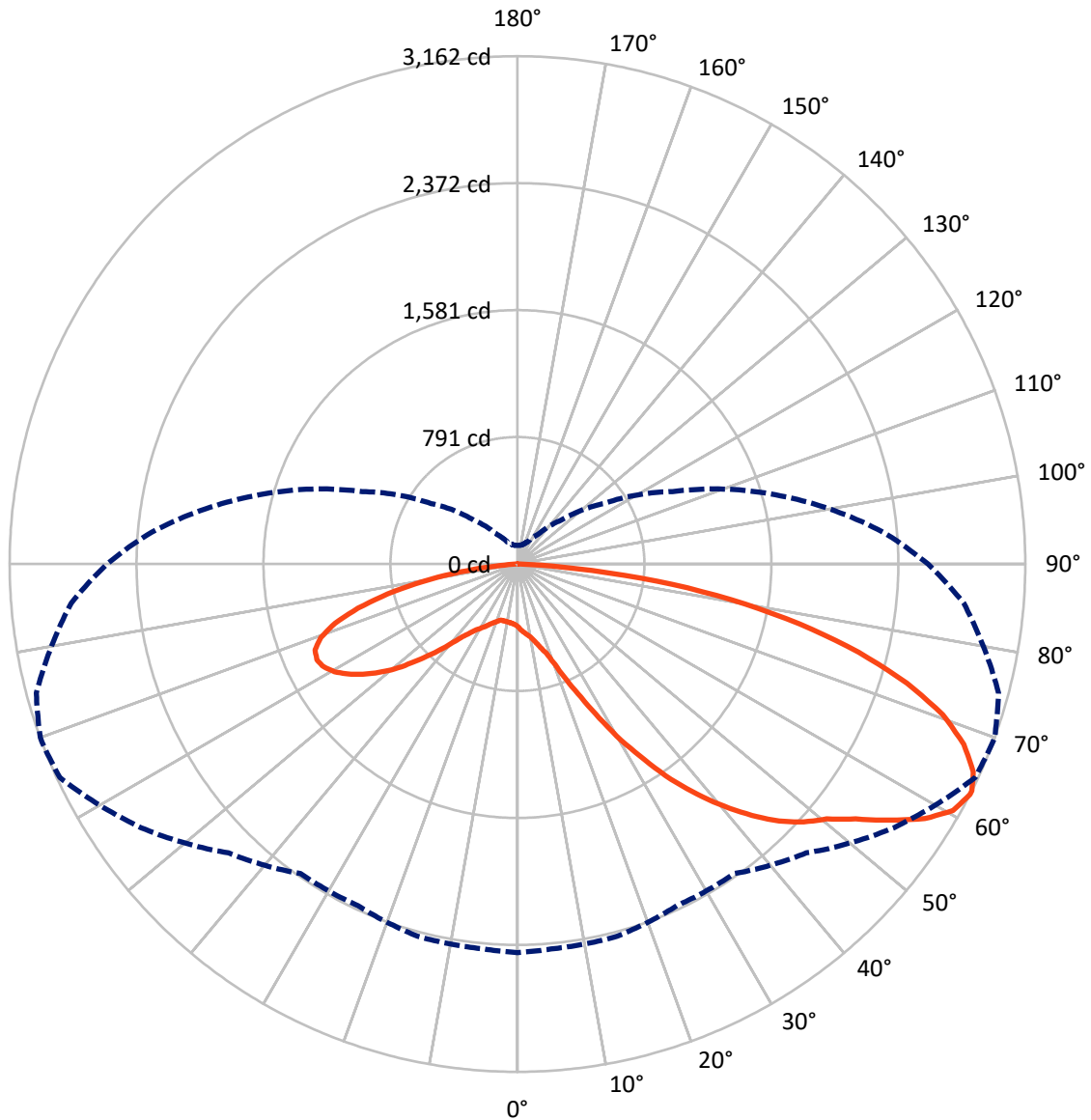
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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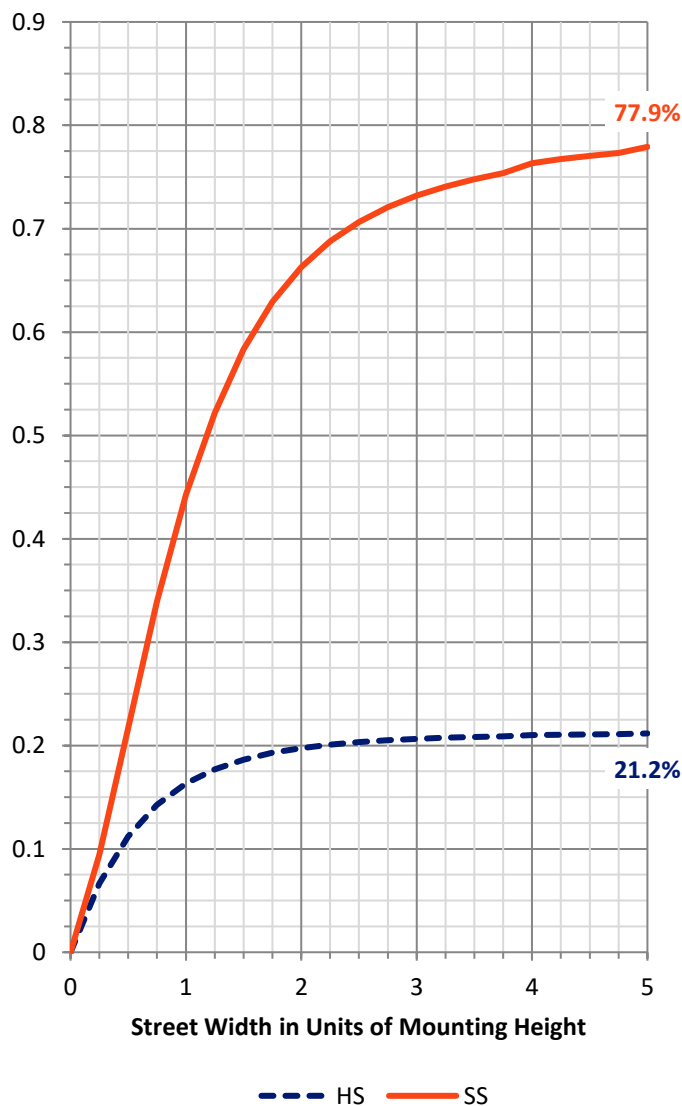
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1467.6	0.0	1467.6
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	5429.4	0.0	5429.4
	% Fixture	78.7	0.0	78.7
Total	Lumens	6897.0	0.0	6897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	0.6
10°-20°	152.0	2.2
20°-30°	379.9	5.5
30°-40°	724.1	10.5
40°-50°	1089.4	15.8
50°-60°	1477.4	21.4
60°-70°	1611.9	23.4
70°-80°	1156.8	16.8
80°-90°	265.8	3.9
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°	6897.0	100.0
0°-180°	6897.0	100.0

Coefficient of Utilization



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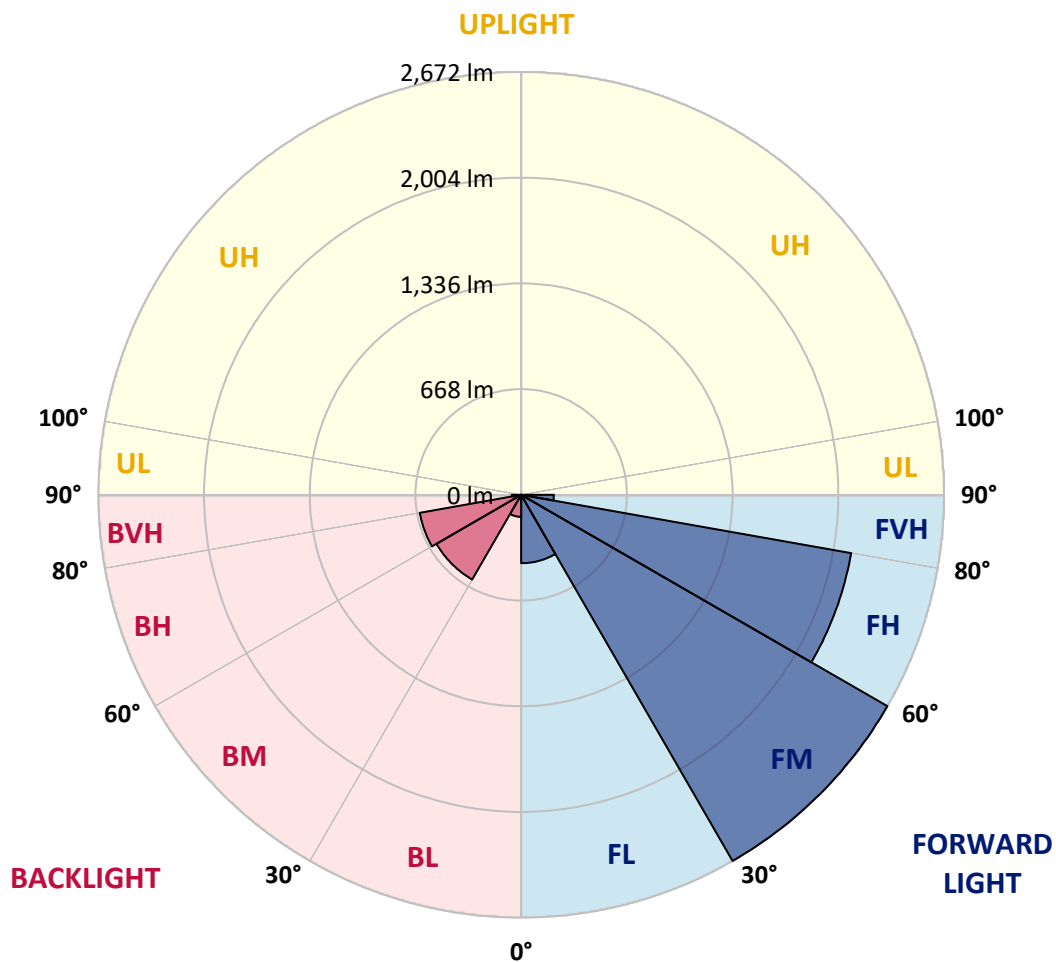
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	432.3	6.3			
FM	(30°-60°)	2672.3	38.7			
FH	(60°-80°)	2118.0	30.7			G2/5000
FVH	(80°-90°)	206.8	3.0			G2/225
BL	(0°-30°)	139.4	2.0	B1/500		
BM	(30°-60°)	618.6	9.0	B1/1000		
BH	(60°-80°)	650.6	9.4	B2/1000		G2/1000
BVH	(80°-90°)	59.0	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9
2.5°	441.8	441.8	439.0	436.1	433.2	430.3	421.6	413.0	410.1	407.2	398.5
5°	499.6	499.6	493.8	488.1	476.5	467.8	450.5	436.1	427.4	421.6	404.3
7.5°	568.9	566.0	557.4	542.9	522.7	502.5	479.4	456.3	444.7	433.2	413.0
10°	646.9	641.1	623.8	600.7	571.8	542.9	508.3	479.4	464.9	450.5	421.6
12.5°	762.4	753.7	716.2	681.5	635.3	592.0	554.5	516.9	496.7	476.5	436.1
15°	944.3	927.0	866.4	808.6	733.5	681.5	615.1	566.0	540.0	508.3	456.3
17.5°	1314.0	1293.8	1175.4	1033.9	901.0	814.4	698.9	618.0	583.3	542.9	473.6
20°	1510.4	1501.7	1446.8	1348.6	1160.9	1005.0	854.8	716.2	667.1	615.1	516.9
22.5°	1588.3	1582.6	1545.0	1504.6	1412.2	1221.6	1031.0	854.8	785.5	710.4	577.6
25°	1709.6	1706.7	1660.5	1594.1	1545.0	1432.4	1207.1	1016.5	918.3	828.8	652.7
27.5°	1793.4	1799.1	1784.7	1738.5	1637.4	1579.7	1389.1	1192.7	1085.8	970.3	745.1
30°	1975.3	1963.8	1926.2	1880.0	1799.1	1695.2	1588.3	1377.5	1273.6	1134.9	880.8
32.5°	2307.4	2278.5	2154.4	2033.1	1937.8	1816.5	1752.9	1550.8	1452.6	1311.1	1028.1
35°	2451.8	2451.8	2388.3	2223.7	2067.7	1972.4	1880.0	1729.8	1646.1	1501.7	1198.5
37.5°	2512.4	2512.4	2463.4	2373.8	2209.2	2099.5	2001.3	1903.1	1819.4	1695.2	1374.6
40°	2587.5	2573.1	2500.9	2417.1	2316.1	2203.4	2142.8	2061.9	1984.0	1882.9	1547.9
42.5°	2532.7	2541.3	2503.8	2420.0	2368.1	2293.0	2264.1	2203.4	2139.9	2053.3	1718.3
45°	2316.1	2330.5	2391.2	2405.6	2347.8	2353.6	2368.1	2330.5	2284.3	2212.1	1888.7
47.5°	2330.5	2330.5	2356.5	2362.3	2370.9	2405.6	2454.7	2451.8	2399.8	2353.6	2035.9
50°	2509.6	2492.2	2446.0	2437.4	2443.1	2457.6	2535.6	2552.9	2495.1	2469.1	2189.0
52.5°	2619.3	2596.2	2492.2	2463.4	2483.6	2541.3	2659.7	2677.1	2636.6	2573.1	2327.6
55°	2815.7	2801.2	2665.5	2509.6	2529.8	2633.7	2804.1	2841.7	2815.7	2703.0	2472.0
57.5°	2729.0	2714.6	2685.7	2532.7	2552.9	2668.4	2905.2	3009.2	2991.8	2876.3	2602.0
60°	2561.5	2552.9	2552.9	2472.0	2489.3	2633.7	2925.4	3124.7	3116.0	3023.6	2717.5
62.5°	2420.0	2405.6	2399.8	2347.8	2353.6	2544.2	2861.9	3144.9	3162.2	3101.6	2789.7
63°	2385.4	2370.9	2370.9	2316.1	2324.7	2521.1	2841.7	3139.1	3162.2	3107.3	2795.5
65°	2206.3	2200.6	2229.4	2183.2	2206.3	2411.4	2740.6	3078.5	3118.9	3092.9	2801.2
67.5°	1981.1	1972.4	2024.4	1995.5	2038.8	2243.9	2573.1	2931.2	2997.6	2986.1	2737.7
70°	1799.1	1784.7	1796.3	1802.0	1839.6	2041.7	2365.2	2705.9	2809.9	2815.7	2584.6
72.5°	1611.4	1594.1	1573.9	1571.0	1611.4	1804.9	2111.0	2417.1	2535.6	2550.0	2353.6
75°	1386.2	1368.9	1345.7	1334.2	1368.9	1542.1	1819.4	2082.2	2194.8	2212.1	2041.7
77.5°	1146.5	1137.8	1106.1	1088.7	1114.7	1259.1	1495.9	1706.7	1796.3	1816.5	1663.4
80°	895.2	883.7	846.1	820.2	846.1	961.7	1137.8	1293.8	1351.5	1368.9	1230.2
82.5°	612.2	615.1	566.0	545.8	563.1	644.0	756.6	849.0	877.9	877.9	791.3
85°	277.2	288.8	265.7	259.9	265.7	291.7	343.7	361.0	361.0	366.8	326.3
87.5°	11.6	11.6	11.6	11.6	8.7	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°	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9	389.9
2.5°	392.8	389.9	381.2	375.4	369.6	366.8	361.0	358.1	358.1	355.2	358.1
5°	395.6	389.9	378.3	366.8	355.2	349.4	340.8	335.0	332.1	332.1	332.1
7.5°	401.4	392.8	375.4	361.0	346.5	335.0	326.3	320.6	314.8	311.9	311.9
10°	410.1	398.5	375.4	355.2	337.9	326.3	314.8	306.1	300.3	297.5	297.5
12.5°	418.7	404.3	375.4	352.3	335.0	317.7	306.1	294.6	288.8	283.0	283.0
15°	433.2	413.0	378.3	349.4	329.2	309.0	294.6	283.0	274.3	271.5	271.5
17.5°	447.6	424.5	381.2	349.4	326.3	303.2	285.9	271.5	262.8	259.9	259.9
20°	482.3	453.4	398.5	358.1	326.3	300.3	280.1	262.8	251.2	245.5	245.5
22.5°	525.6	488.1	418.7	369.6	329.2	297.5	274.3	254.1	242.6	233.9	233.9
25°	586.2	531.4	441.8	381.2	332.1	297.5	268.6	245.5	231.0	222.4	222.4
27.5°	649.8	583.3	473.6	395.6	340.8	297.5	262.8	236.8	219.5	210.8	210.8
30°	748.0	646.9	502.5	413.0	349.4	294.6	257.0	228.1	207.9	196.4	196.4
32.5°	872.1	748.0	534.3	433.2	355.2	297.5	251.2	216.6	196.4	184.8	184.8
35°	1005.0	857.7	592.0	447.6	363.9	294.6	242.6	207.9	184.8	176.2	173.3
37.5°	1172.5	990.5	664.2	467.8	372.5	294.6	239.7	199.3	179.0	167.5	167.5
40°	1331.3	1140.7	759.5	508.3	378.3	297.5	236.8	196.4	176.2	164.6	161.7
42.5°	1495.9	1282.2	872.1	563.1	389.9	306.1	236.8	193.5	170.4	158.8	158.8
45°	1660.5	1426.6	981.9	632.4	418.7	311.9	236.8	190.6	164.6	155.9	153.1
47.5°	1813.6	1582.6	1097.4	707.5	453.4	314.8	236.8	184.8	158.8	150.2	147.3
50°	1960.9	1726.9	1218.7	794.2	488.1	314.8	236.8	181.9	155.9	144.4	144.4
52.5°	2102.4	1871.3	1328.4	866.4	528.5	335.0	233.9	179.0	150.2	141.5	138.6
55°	2229.4	1989.7	1432.4	932.8	568.9	352.3	233.9	173.3	144.4	135.7	132.8
57.5°	2356.5	2096.6	1524.8	990.5	609.3	369.6	231.0	170.4	138.6	130.0	130.0
60°	2474.9	2203.4	1605.7	1036.7	638.2	381.2	225.3	161.7	132.8	124.2	121.3
62.5°	2555.8	2284.3	1663.4	1065.6	655.5	387.0	225.3	153.1	124.2	115.5	115.5
63°	2567.3	2298.7	1672.1	1068.5	658.4	389.9	225.3	153.1	124.2	115.5	112.6
65°	2576.0	2324.7	1692.3	1074.3	661.3	389.9	219.5	144.4	115.5	106.9	106.9
67.5°	2526.9	2298.7	1675.0	1062.7	646.9	378.3	210.8	130.0	104.0	95.3	95.3
70°	2399.8	2189.0	1597.0	1016.5	615.1	355.2	196.4	115.5	92.4	83.7	83.7
72.5°	2180.3	1998.4	1458.4	929.9	560.2	323.4	176.2	101.1	80.9	75.1	72.2
75°	1885.8	1729.8	1256.2	805.7	482.3	277.2	153.1	86.6	66.4	60.6	60.6
77.5°	1524.8	1415.1	1010.8	646.9	389.9	225.3	124.2	72.2	52.0	49.1	49.1
80°	1120.5	1033.9	727.7	470.7	280.1	164.6	92.4	54.9	34.7	34.7	34.7
82.5°	684.4	635.3	439.0	283.0	164.6	98.2	57.8	34.7	23.1	20.2	20.2
85°	268.6	259.9	170.4	95.3	49.1	31.8	23.1	14.4	11.6	8.7	5.8
87.5°	2.9	2.9	5.8	2.9	2.9	2.9	2.9	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)