

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: P553760

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553760
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-VA3-730-U-AST-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7590 lumens
Efficiency: N/A
Efficacy: 76.7 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 (A_{in}): 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

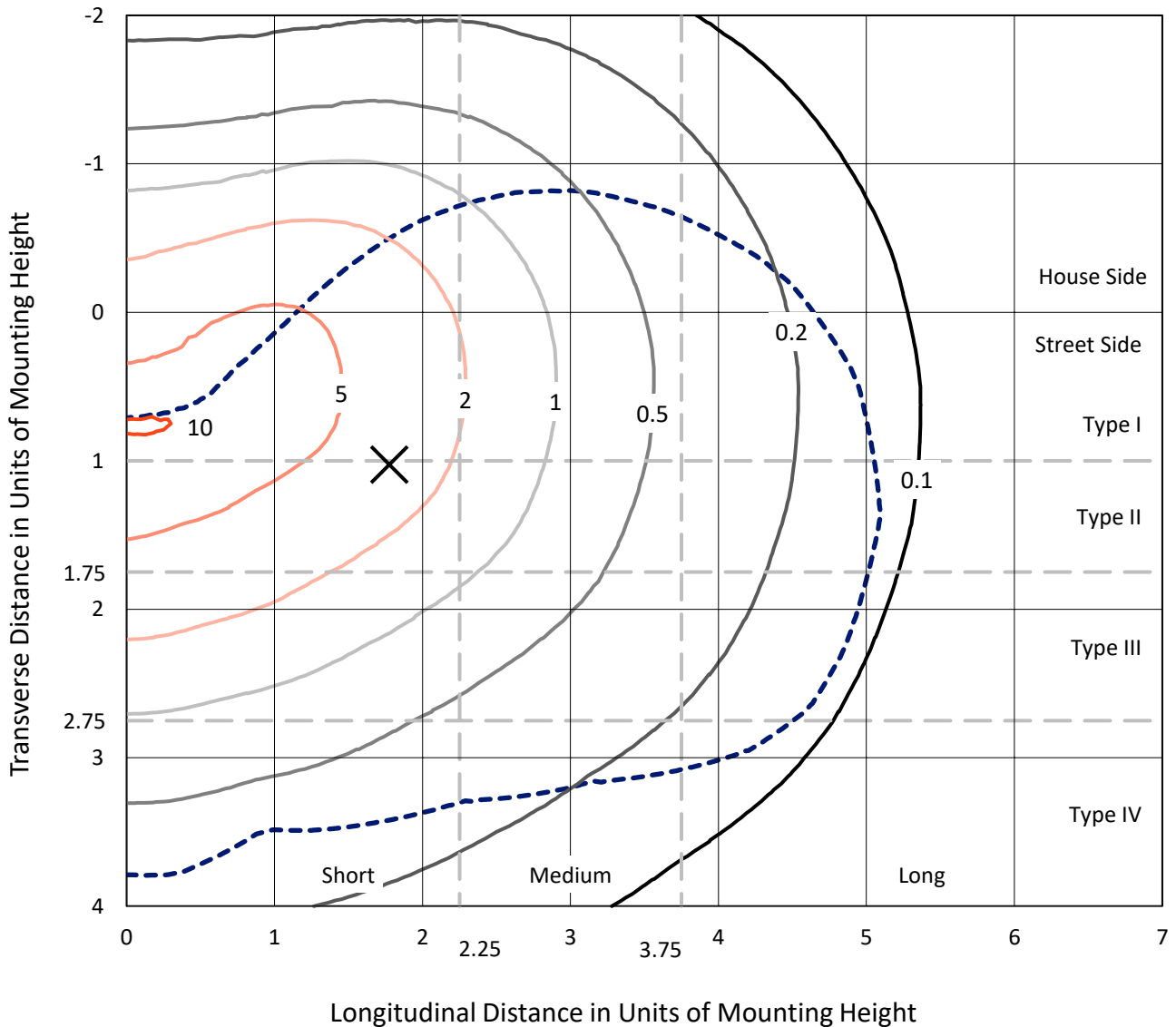


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Iso-Footcandle Lines of Horizontal Illumination

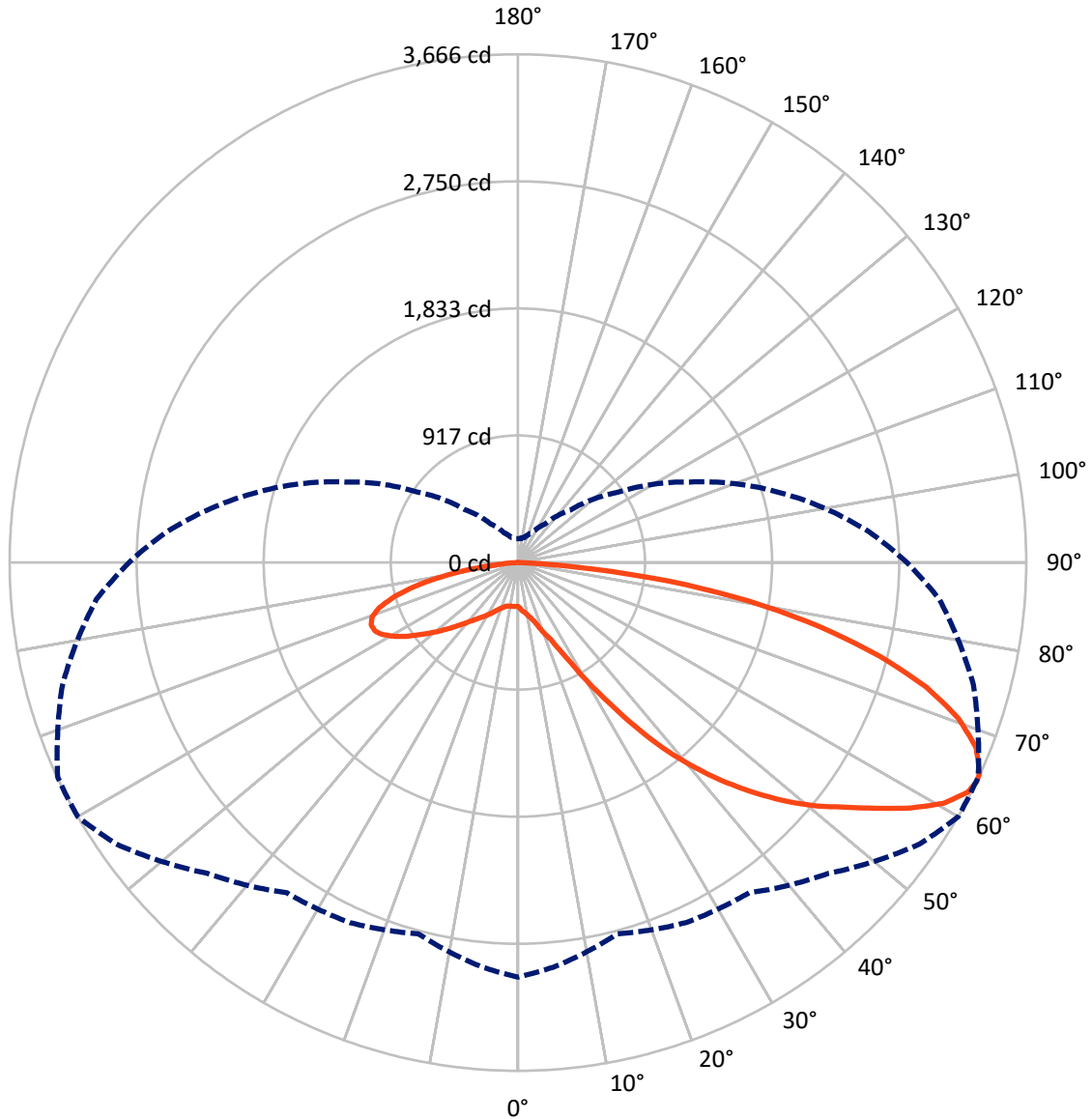
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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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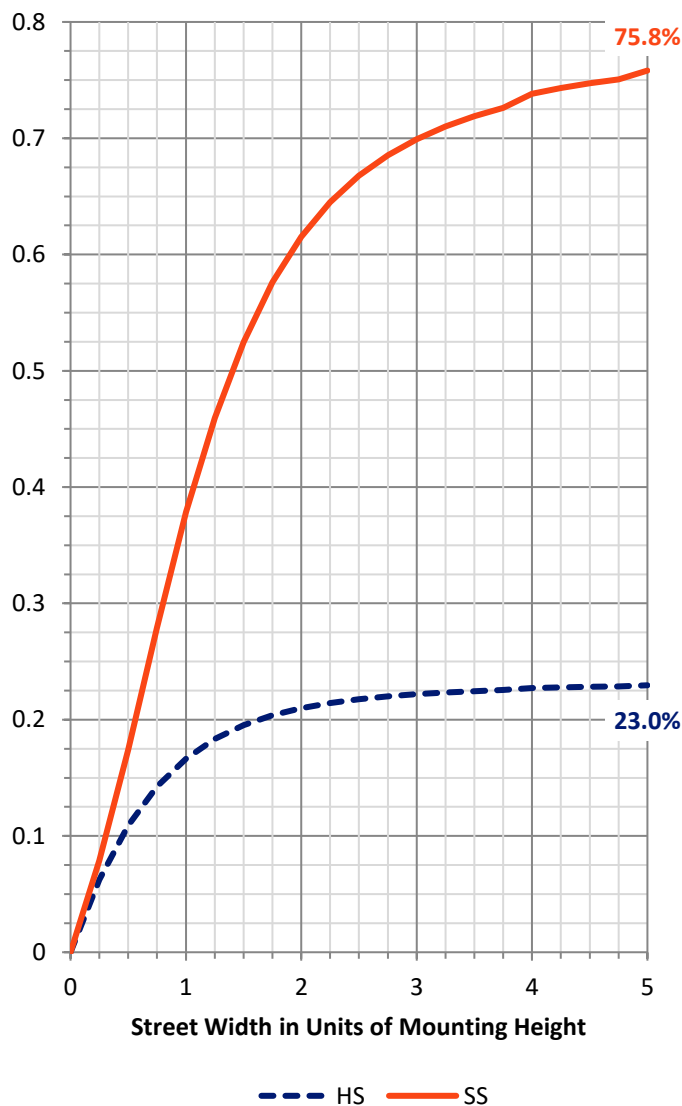
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1755.7	0.0	1755.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5834.3	0.0	5834.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	7590.0	0.0	7590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	0.4
10°-20°	110.8	1.5
20°-30°	259.4	3.4
30°-40°	608.3	8.0
40°-50°	1099.1	14.5
50°-60°	1621.8	21.4
60°-70°	1969.3	25.9
70°-80°	1530.0	20.2
80°-90°	359.1	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°	7590.0	100.0
0°-180°	7590.0	100.0

Coefficient of Utilization



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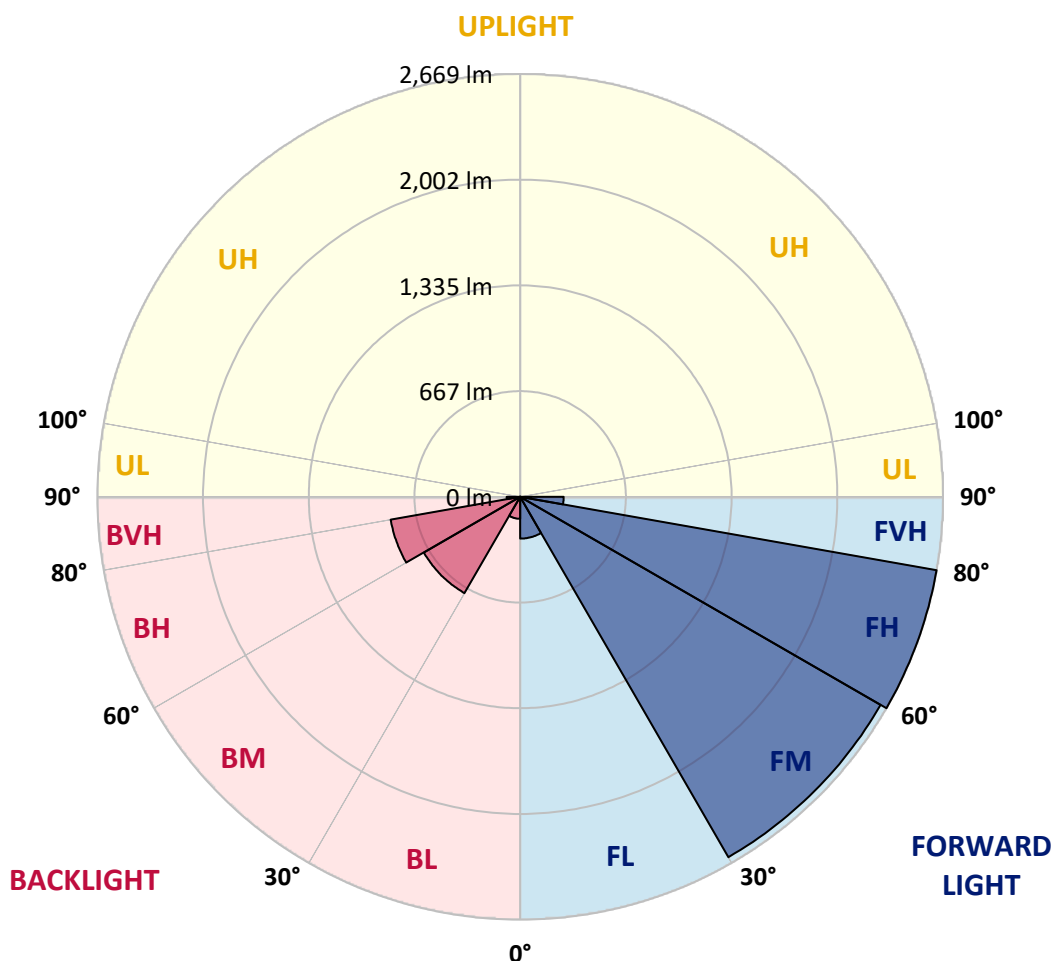
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.7	3.5			
FM	(30°-60°)	2627.0	34.6			
FH	(60°-80°)	2669.2	35.2			G2/5000
FVH	(80°-90°)	274.5	3.6			G3/500
BL	(0°-30°)	138.7	1.8	B1/500		
BM	(30°-60°)	702.2	9.3	B1/1000		
BH	(60°-80°)	830.1	10.9	B2/1000		G2/1000
BVH	(80°-90°)	84.7	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°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
2.5°	345.8	345.8	345.8	342.6	342.6	339.4	333.0	333.0	329.8	326.6	323.4
5°	365.0	365.0	365.0	361.8	361.8	358.6	352.2	352.2	349.0	342.6	336.2
7.5°	381.0	384.2	381.0	381.0	377.8	374.6	368.2	365.0	361.8	355.4	345.8
10°	416.2	413.0	409.8	406.6	400.2	393.8	387.4	384.2	381.0	371.4	358.6
12.5°	448.3	445.0	445.0	438.6	432.2	422.6	413.0	409.8	406.6	393.8	377.8
15°	483.5	483.5	480.3	477.1	470.7	461.1	445.0	438.6	435.4	419.4	393.8
17.5°	544.3	544.3	537.9	534.7	525.1	518.7	499.5	489.9	477.1	457.9	429.0
20°	617.9	617.9	617.9	617.9	598.7	573.1	553.9	544.3	528.3	499.5	467.5
22.5°	707.6	707.6	704.4	710.8	698.0	643.6	611.5	598.7	582.7	553.9	515.5
25°	854.9	858.1	848.5	838.9	806.9	758.8	704.4	694.8	682.0	630.8	582.7
27.5°	976.5	979.7	999.0	995.8	938.1	890.1	851.7	826.1	810.1	720.4	656.4
30°	1155.8	1155.8	1178.3	1178.3	1130.2	1063.0	1037.4	1005.4	957.3	835.7	736.4
32.5°	1472.8	1466.4	1488.8	1402.4	1360.8	1283.9	1255.1	1200.7	1123.8	979.7	842.1
35°	1869.8	1860.2	1860.2	1716.2	1600.9	1556.1	1479.2	1444.0	1348.0	1155.8	970.1
37.5°	2078.0	2078.0	2106.8	1969.1	1869.8	1789.8	1725.8	1693.7	1604.1	1370.4	1120.6
40°	2222.0	2234.9	2266.9	2161.2	2100.4	1994.7	1975.5	1924.3	1847.4	1597.7	1299.9
42.5°	2327.7	2340.5	2375.7	2308.5	2273.3	2193.2	2193.2	2145.2	2090.8	1825.0	1495.2
45°	2382.1	2391.7	2414.2	2443.0	2391.7	2369.3	2398.1	2356.5	2311.7	2052.4	1709.8
47.5°	2494.2	2500.6	2449.4	2484.6	2487.8	2526.2	2577.4	2561.4	2523.0	2260.5	1917.9
50°	2513.4	2523.0	2526.2	2529.4	2593.5	2631.9	2727.9	2756.7	2711.9	2455.8	2129.2
52.5°	2596.7	2574.2	2526.2	2631.9	2622.3	2708.7	2859.2	2929.6	2881.6	2647.9	2324.5
55°	2964.9	2897.6	2772.8	2801.6	2779.2	2913.6	3083.3	3128.2	3070.5	2833.6	2500.6
57.5°	3099.3	3035.3	2926.4	2948.9	2958.5	3108.9	3320.3	3339.5	3294.6	3019.3	2673.5
60°	3073.7	3006.5	2910.4	2984.1	3019.3	3198.6	3483.6	3525.2	3506.0	3195.4	2852.8
62.5°	3060.9	2990.5	2824.0	2942.4	2968.1	3205.0	3544.4	3643.6	3637.2	3339.5	2996.9
64°	2990.5	2929.6	2772.8	2865.6	2907.2	3169.8	3538.0	3666.1	3662.9	3400.3	3051.3
65°	2897.6	2856.0	2721.5	2798.4	2859.2	3128.2	3515.6	3659.7	3653.2	3419.5	3073.7
67.5°	2609.5	2596.7	2539.0	2628.7	2727.9	3000.1	3400.3	3563.6	3576.4	3400.3	3073.7
70°	2366.1	2353.3	2295.7	2420.6	2526.2	2798.4	3211.4	3371.5	3387.5	3265.8	2980.9
72.5°	2129.2	2126.0	2036.3	2174.0	2266.9	2526.2	2929.6	3083.3	3105.7	3019.3	2782.4
75°	1857.0	1863.4	1777.0	1866.6	1959.5	2190.0	2545.4	2695.9	2715.1	2663.9	2471.8
77.5°	1546.5	1549.7	1476.0	1543.3	1636.1	1812.2	2129.2	2228.4	2263.7	2222.0	2052.4
80°	1200.7	1210.3	1139.8	1184.7	1248.7	1389.6	1629.7	1697.0	1700.2	1668.1	1533.7
82.5°	867.7	835.7	771.6	806.9	870.9	928.5	1075.8	1095.0	1079.0	1040.6	934.9
85°	397.0	365.0	368.2	406.6	409.8	377.8	419.4	400.2	393.8	355.4	326.6
87.5°	16.0	12.8	12.8	12.8	9.6	6.4	9.6	6.4	6.4	6.4	6.4
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°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
2.5°	323.4	320.2	317.0	317.0	313.8	313.8	310.6	310.6	307.4	307.4	307.4
5°	333.0	329.8	323.4	320.2	313.8	310.6	307.4	301.0	297.8	297.8	297.8
7.5°	342.6	336.2	329.8	323.4	313.8	307.4	297.8	291.4	288.2	285.0	285.0
10°	352.2	349.0	336.2	323.4	313.8	301.0	291.4	285.0	281.8	278.6	278.6
12.5°	368.2	361.8	345.8	329.8	313.8	301.0	291.4	281.8	272.2	269.0	269.0
15°	384.2	374.6	355.4	333.0	313.8	301.0	285.0	272.2	262.5	256.1	256.1
17.5°	413.0	403.4	377.8	345.8	323.4	301.0	281.8	265.7	256.1	249.7	249.7
20°	451.5	435.4	400.2	361.8	333.0	304.2	281.8	262.5	246.5	240.1	236.9
22.5°	496.3	477.1	429.0	381.0	342.6	307.4	281.8	259.3	240.1	227.3	227.3
25°	550.7	525.1	461.1	406.6	355.4	313.8	285.0	256.1	236.9	224.1	224.1
27.5°	614.7	579.5	499.5	438.6	374.6	323.4	285.0	256.1	236.9	227.3	224.1
30°	685.2	643.6	544.3	467.5	393.8	329.8	288.2	252.9	233.7	227.3	227.3
32.5°	768.4	717.2	598.7	499.5	413.0	339.4	288.2	249.7	230.5	227.3	227.3
35°	874.1	803.7	656.4	534.7	432.2	349.0	288.2	249.7	230.5	220.9	220.9
37.5°	1008.6	909.3	726.8	576.3	454.7	358.6	291.4	252.9	230.5	217.7	217.7
40°	1165.5	1034.2	810.1	624.3	480.3	371.4	297.8	252.9	230.5	217.7	214.5
42.5°	1328.7	1181.5	902.9	682.0	512.3	384.2	301.0	256.1	227.3	214.5	211.3
45°	1517.7	1348.0	1011.8	749.2	547.5	400.2	307.4	259.3	224.1	211.3	208.1
47.5°	1719.4	1524.1	1136.6	826.1	582.7	416.2	313.8	259.3	220.9	208.1	204.9
50°	1917.9	1709.8	1280.7	909.3	624.3	435.4	320.2	259.3	220.9	204.9	201.7
52.5°	2100.4	1885.9	1418.4	992.6	669.2	454.7	326.6	259.3	217.7	201.7	198.5
55°	2273.3	2049.1	1556.1	1082.2	723.6	477.1	333.0	256.1	214.5	198.5	195.3
57.5°	2436.6	2209.2	1687.3	1178.3	778.0	502.7	339.4	252.9	208.1	192.1	192.1
60°	2599.9	2359.7	1805.8	1264.7	829.3	518.7	342.6	249.7	204.9	185.7	185.7
62.5°	2743.9	2487.8	1908.3	1338.4	870.9	531.5	342.6	243.3	195.3	179.3	176.1
64°	2804.8	2542.2	1953.1	1373.6	886.9	537.9	339.4	236.9	188.9	172.9	172.9
65°	2833.6	2564.6	1975.5	1389.6	896.5	537.9	336.2	230.5	185.7	169.7	166.5
67.5°	2849.6	2577.4	1994.7	1402.4	896.5	528.3	323.4	217.7	172.9	153.7	153.7
70°	2769.6	2513.4	1949.9	1373.6	874.1	509.1	301.0	198.5	156.9	140.9	140.9
72.5°	2587.0	2359.7	1831.4	1290.3	810.1	470.7	275.4	179.3	140.9	124.9	124.9
75°	2295.7	2084.4	1620.1	1139.8	714.0	413.0	240.1	156.9	121.7	112.1	108.9
77.5°	1898.7	1741.8	1341.6	931.7	589.1	336.2	195.3	128.1	102.5	92.9	92.9
80°	1405.6	1290.3	973.3	678.8	432.2	249.7	147.3	99.3	80.0	73.6	73.6
82.5°	842.1	774.8	566.7	406.6	265.7	156.9	99.3	67.2	57.6	54.4	54.4
85°	291.4	272.2	188.9	150.5	121.7	76.8	51.2	38.4	38.4	32.0	32.0
87.5°	6.4	12.8	12.8	19.2	19.2	19.2	16.0	12.8	16.0	16.0	16.0
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)