

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: P553775

Luminaire Tested: **LXS-VA3-740-U-ASW-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA3-740-U-ASW-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7823 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

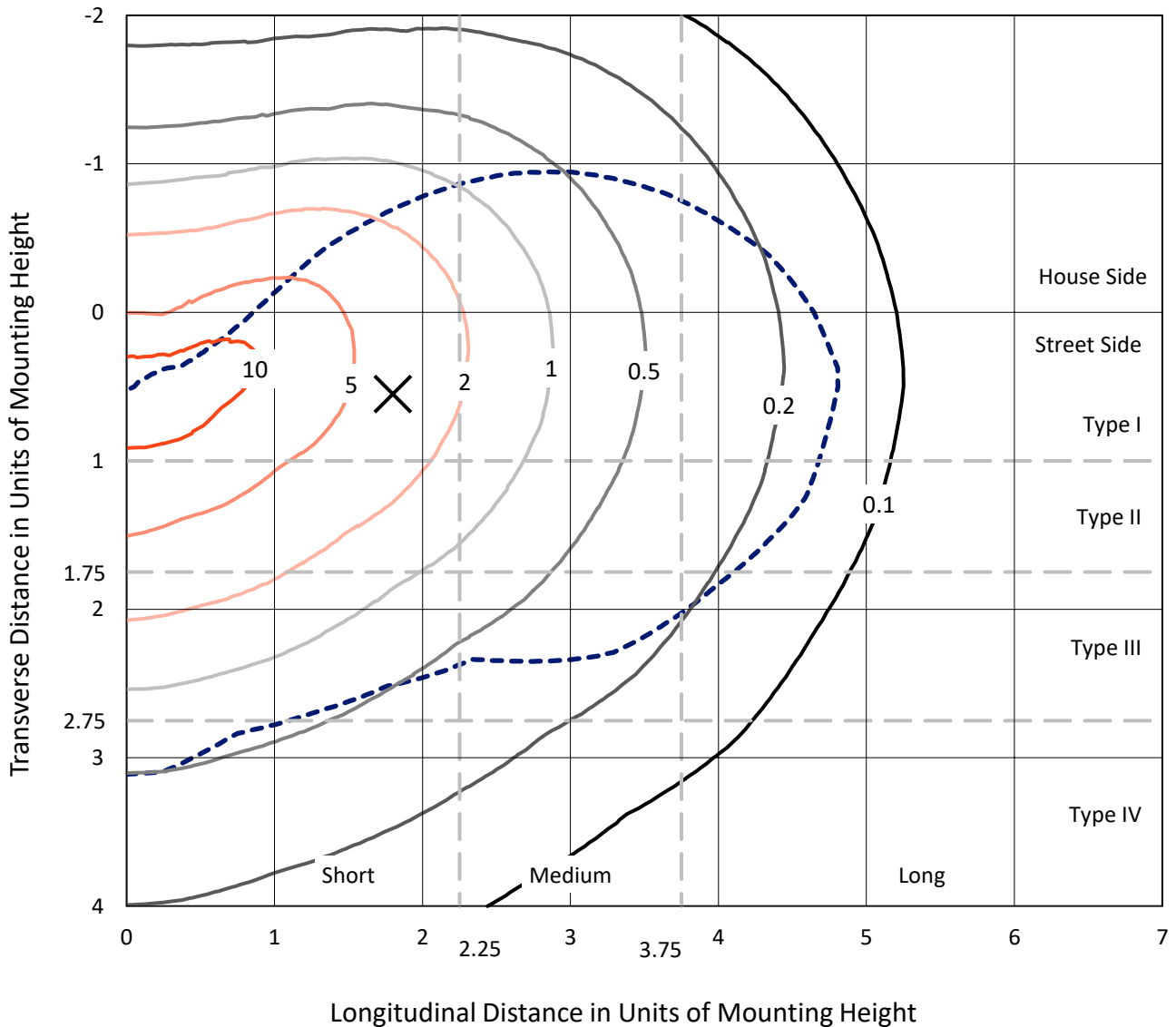
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

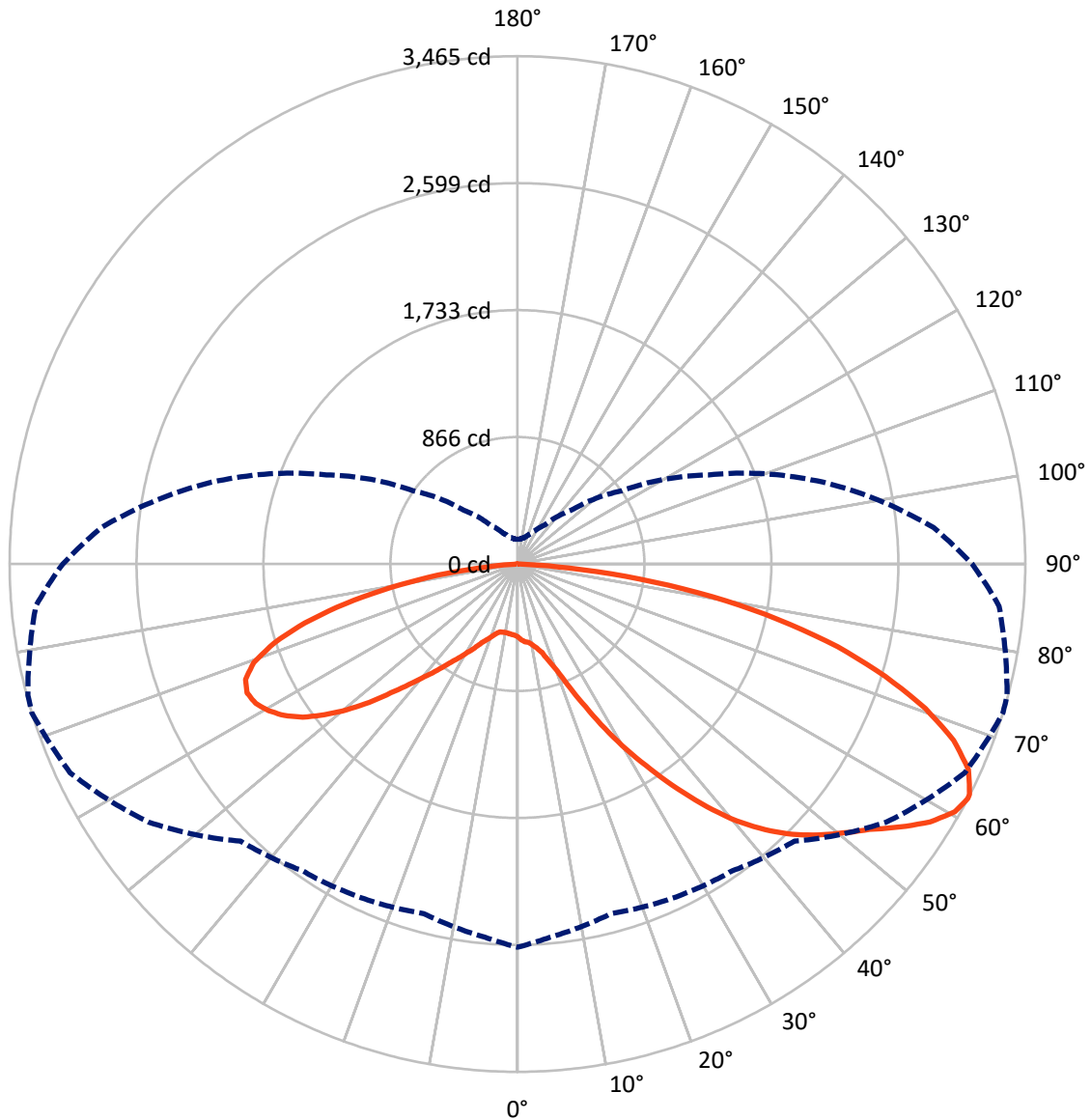
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62-Deg Vertical

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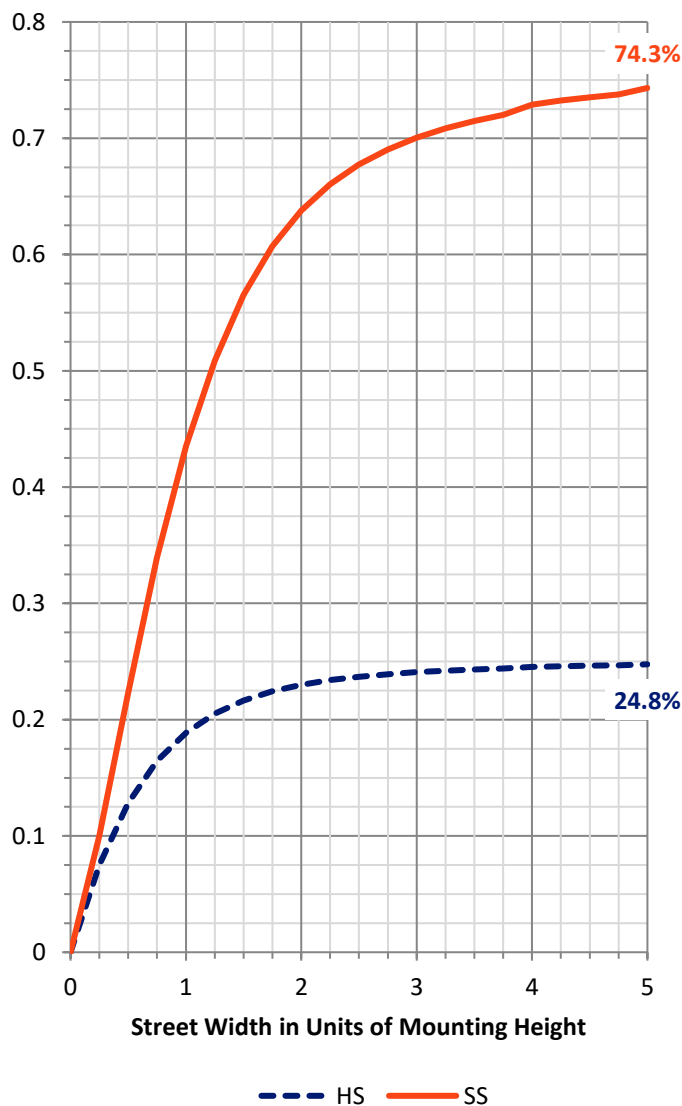
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1951.4	0.0	1951.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5871.6	0.0	5871.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	7823.0	0.0	7823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	0.6
10°-20°	181.1	2.3
20°-30°	444.3	5.7
30°-40°	832.3	10.6
40°-50°	1250.0	16.0
50°-60°	1687.5	21.6
60°-70°	1808.7	23.1
70°-80°	1274.4	16.3
80°-90°	294.9	3.8
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°	7823.0	100.0
0°-180°	7823.0	100.0

Coefficient of Utilization



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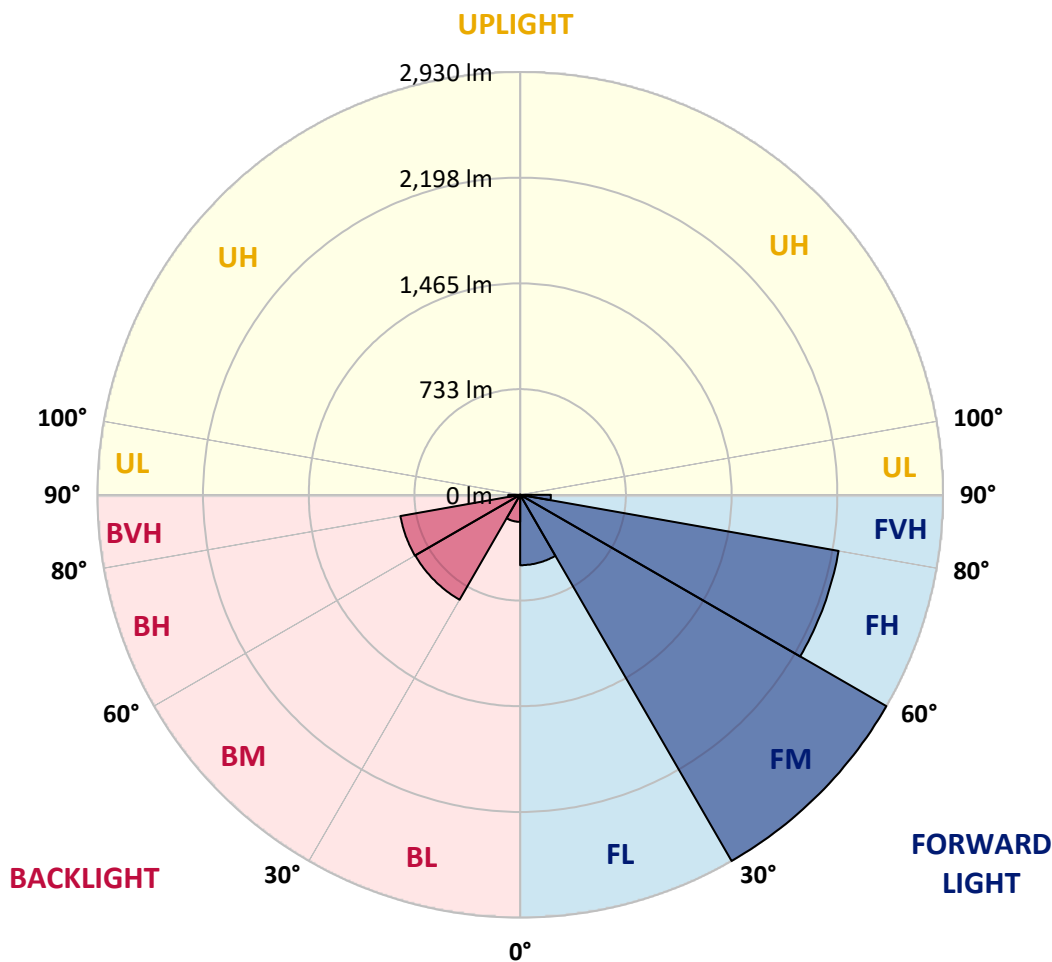
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	487.7	6.2			
FM	(30°-60°)	2930.2	37.5			
FH	(60°-80°)	2240.5	28.6			G2/5000
FVH	(80°-90°)	213.2	2.7			G2/225
BL	(0°-30°)	187.5	2.4	B1/500		
BM	(30°-60°)	839.6	10.7	B1/1000		
BH	(60°-80°)	842.5	10.8	B2/1000		G2/1000
BVH	(80°-90°)	81.8	1.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0
2.5°	563.7	560.3	560.3	556.8	549.9	543.0	536.1	525.7	518.8	515.3	504.9
5°	615.6	612.2	608.7	598.3	587.9	574.1	560.3	546.4	532.6	529.2	511.9
7.5°	674.4	671.0	664.0	639.8	615.6	594.9	574.1	556.8	539.5	536.1	515.3
10°	750.5	747.0	729.7	695.2	657.1	626.0	598.3	577.6	560.3	553.4	525.7
12.5°	819.7	816.2	788.5	747.0	712.5	677.9	639.8	612.2	587.9	581.0	543.0
15°	992.6	985.7	958.0	861.2	809.3	764.3	715.9	664.0	626.0	615.6	563.7
17.5°	1341.9	1335.0	1314.2	1155.1	1020.3	913.0	833.5	757.4	695.2	684.8	615.6
20°	1473.3	1483.7	1521.7	1480.2	1331.5	1103.3	975.3	875.0	778.2	760.9	674.4
22.5°	1556.3	1573.6	1649.7	1656.6	1587.5	1359.2	1141.3	1023.7	913.0	881.9	757.4
25°	1615.1	1642.8	1774.2	1815.7	1750.0	1594.4	1383.4	1227.8	1079.1	1044.5	868.1
27.5°	1677.4	1705.0	1853.8	1916.0	1874.5	1756.9	1663.5	1449.1	1272.7	1220.9	1003.0
30°	1839.9	1850.3	2009.4	2016.3	1974.8	1926.4	1898.7	1660.1	1469.9	1414.5	1148.2
32.5°	2106.2	2088.9	2216.9	2171.9	2085.5	2082.0	2075.1	1884.9	1670.5	1615.1	1310.8
35°	2299.9	2303.4	2417.5	2317.2	2230.7	2206.5	2227.3	2099.3	1884.9	1819.2	1501.0
37.5°	2396.7	2407.1	2507.4	2452.1	2358.7	2320.7	2369.1	2289.5	2102.8	2033.6	1694.7
40°	2479.7	2490.1	2538.5	2528.2	2465.9	2407.1	2486.7	2455.5	2306.8	2248.0	1898.7
42.5°	2507.4	2510.9	2493.6	2562.8	2507.4	2472.8	2576.6	2597.3	2479.7	2438.2	2106.2
45°	2445.2	2469.4	2448.6	2528.2	2531.6	2521.3	2652.7	2714.9	2631.9	2590.4	2306.8
47.5°	2396.7	2407.1	2431.3	2555.8	2555.8	2535.1	2711.5	2804.8	2763.3	2732.2	2479.7
50°	2604.3	2573.1	2490.1	2659.6	2621.5	2607.7	2794.5	2901.7	2884.4	2856.7	2635.4
52.5°	2742.6	2690.7	2531.6	2683.8	2704.6	2714.9	2922.4	3029.7	3008.9	2981.2	2784.1
55°	2984.7	2905.1	2697.6	2739.1	2756.4	2791.0	3057.3	3185.3	3168.0	3133.4	2939.7
57.5°	2936.3	2853.3	2697.6	2749.5	2753.0	2804.8	3140.3	3320.2	3320.2	3292.5	3105.7
60°	2787.6	2704.6	2590.4	2645.8	2666.5	2756.4	3133.4	3389.3	3430.8	3410.1	3247.5
62°	2614.6	2555.8	2469.4	2514.3	2555.8	2673.4	3071.2	3368.6	3465.4	3458.5	3299.4
62.5°	2573.1	2517.8	2434.8	2479.7	2521.3	2649.2	3050.4	3354.8	3462.0	3462.0	3302.9
65°	2365.6	2334.5	2244.6	2303.4	2341.4	2476.3	2901.7	3237.2	3382.4	3406.6	3289.0
67.5°	2102.8	2116.6	2044.0	2095.9	2133.9	2265.3	2694.2	3036.6	3209.5	3251.0	3185.3
70°	1909.1	1898.7	1833.0	1867.6	1916.0	2044.0	2452.1	2773.7	2953.6	3002.0	2974.3
72.5°	1701.6	1698.1	1604.7	1622.0	1677.4	1801.9	2171.9	2448.6	2625.0	2680.3	2701.1
75°	1483.7	1462.9	1369.6	1369.6	1414.5	1521.7	1864.1	2078.6	2258.4	2289.5	2334.5
77.5°	1245.1	1227.8	1124.0	1137.8	1155.1	1248.5	1514.8	1670.5	1819.2	1850.3	1884.9
80°	982.2	971.8	871.5	868.1	878.5	944.2	1169.0	1238.1	1348.8	1369.6	1411.1
82.5°	688.2	674.4	598.3	584.5	584.5	626.0	771.2	802.4	840.4	854.3	871.5
85°	332.0	325.1	290.5	290.5	276.7	294.0	342.4	342.4	349.3	332.0	359.7
87.5°	10.4	10.4	10.4	10.4	6.9	6.9	6.9	6.9	6.9	6.9	3.5
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°	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0	498.0
2.5°	501.5	494.6	487.6	480.7	477.3	473.8	470.4	466.9	466.9	463.4	463.4
5°	501.5	494.6	484.2	473.8	463.4	456.5	453.1	446.1	442.7	439.2	442.7
7.5°	504.9	494.6	480.7	466.9	453.1	442.7	432.3	425.4	421.9	418.5	418.5
10°	511.9	498.0	477.3	460.0	446.1	428.9	418.5	408.1	404.6	401.2	401.2
12.5°	522.2	504.9	480.7	456.5	435.8	421.9	408.1	397.7	390.8	383.9	383.9
15°	539.5	515.3	484.2	456.5	432.3	415.0	397.7	383.9	370.1	366.6	366.6
17.5°	581.0	549.9	504.9	463.4	435.8	411.6	387.4	366.6	356.2	349.3	349.3
20°	632.9	594.9	536.1	477.3	439.2	404.6	380.4	356.2	342.4	335.5	335.5
22.5°	691.7	650.2	570.7	494.6	446.1	404.6	373.5	345.9	325.1	314.7	314.7
25°	781.6	715.9	608.7	518.8	456.5	404.6	366.6	335.5	311.3	300.9	300.9
27.5°	895.8	802.4	664.0	553.4	466.9	404.6	359.7	325.1	300.9	290.5	287.1
30°	1016.8	902.7	719.4	587.9	480.7	404.6	352.8	311.3	283.6	273.2	273.2
32.5°	1158.6	1020.3	788.5	622.5	498.0	408.1	345.9	297.4	269.8	259.4	259.4
35°	1310.8	1155.1	861.2	657.1	515.3	408.1	335.5	287.1	259.4	245.6	245.6
37.5°	1494.1	1296.9	958.0	702.1	532.6	408.1	332.0	283.6	252.5	238.6	235.2
40°	1691.2	1466.4	1058.3	750.5	553.4	418.5	332.0	280.1	249.0	235.2	231.7
42.5°	1884.9	1656.6	1179.4	809.3	587.9	432.3	335.5	280.1	245.6	228.3	224.8
45°	2075.1	1846.8	1317.7	895.8	626.0	442.7	335.5	276.7	238.6	221.3	217.9
47.5°	2261.9	2037.1	1480.2	992.6	660.6	456.5	335.5	273.2	231.7	214.4	214.4
50°	2438.2	2220.4	1642.8	1082.5	695.2	470.4	338.9	266.3	224.8	207.5	207.5
52.5°	2600.8	2386.4	1795.0	1175.9	736.7	484.2	338.9	262.8	217.9	200.6	200.6
55°	2749.5	2528.2	1933.3	1262.4	778.2	498.0	338.9	255.9	211.0	193.7	193.7
57.5°	2894.8	2659.6	2037.1	1338.4	816.2	511.9	338.9	249.0	204.1	186.8	183.3
60°	3029.7	2780.6	2113.1	1400.7	850.8	518.8	332.0	238.6	193.7	176.4	176.4
62°	3102.3	2849.8	2158.1	1438.7	871.5	518.8	325.1	231.7	186.8	169.5	169.5
62.5°	3112.7	2860.2	2168.5	1445.7	875.0	518.8	321.6	228.3	186.8	169.5	166.0
65°	3112.7	2870.6	2189.2	1462.9	878.5	511.9	311.3	214.4	172.9	155.6	155.6
67.5°	3029.7	2801.4	2158.1	1445.7	861.2	491.1	290.5	197.1	159.1	141.8	141.8
70°	2849.8	2645.8	2054.4	1386.9	819.7	460.0	266.3	179.8	141.8	128.0	124.5
72.5°	2580.0	2400.2	1864.1	1272.7	750.5	415.0	238.6	159.1	124.5	110.7	110.7
75°	2223.8	2075.1	1604.7	1110.2	657.1	359.7	200.6	134.9	107.2	96.8	93.4
77.5°	1795.0	1660.1	1283.1	899.2	539.5	297.4	166.0	110.7	89.9	79.5	79.5
80°	1317.7	1207.0	930.3	660.6	404.6	221.3	124.5	86.5	69.2	62.3	62.3
82.5°	795.5	760.9	581.0	411.6	255.9	145.3	86.5	58.8	48.4	45.0	45.0
85°	307.8	269.8	214.4	169.5	117.6	69.2	45.0	34.6	31.1	27.7	24.2
87.5°	3.5	10.4	13.8	17.3	20.8	17.3	13.8	10.4	13.8	13.8	13.8
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)