

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: P553773

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-22)
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-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8666 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

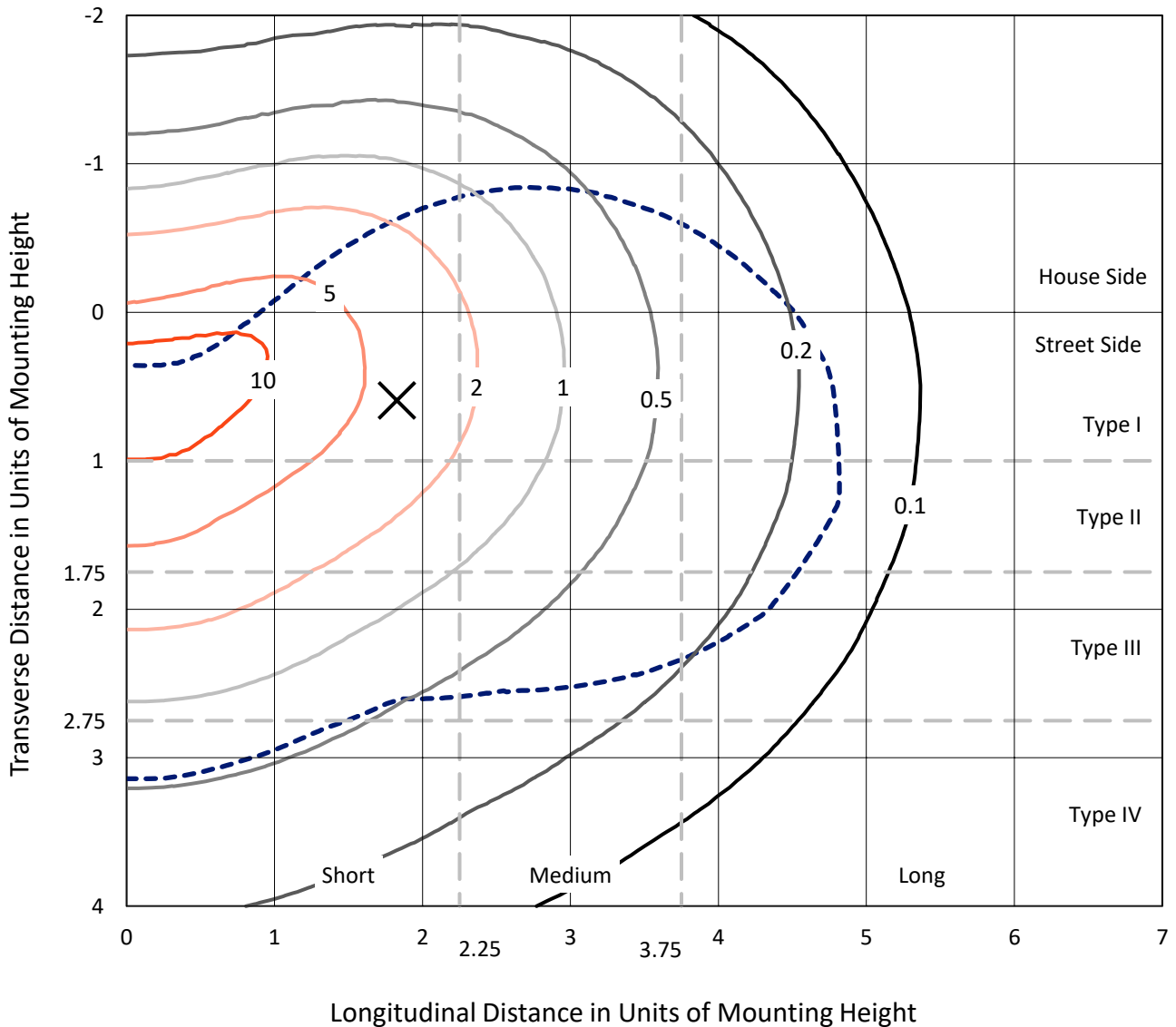
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

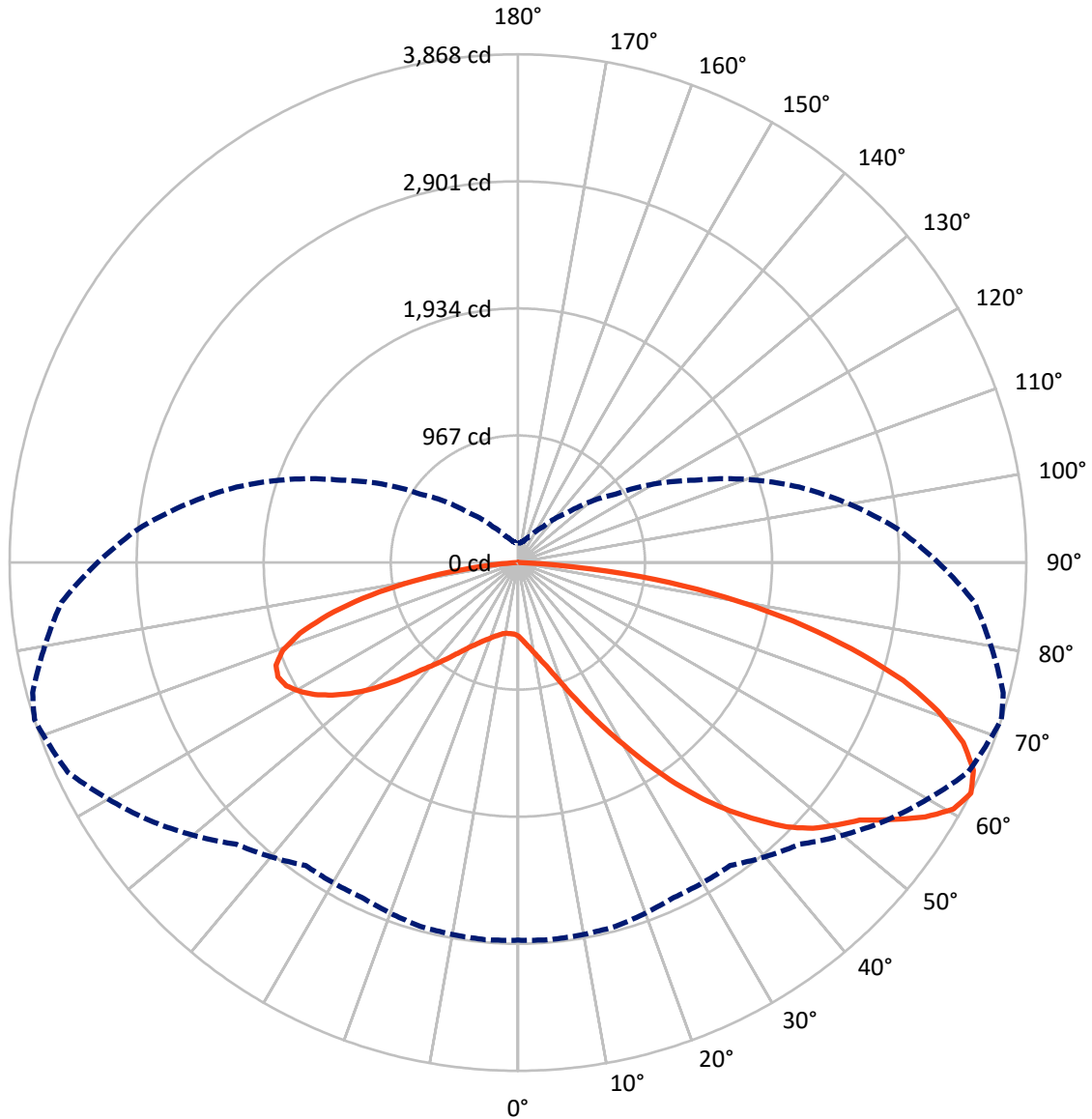
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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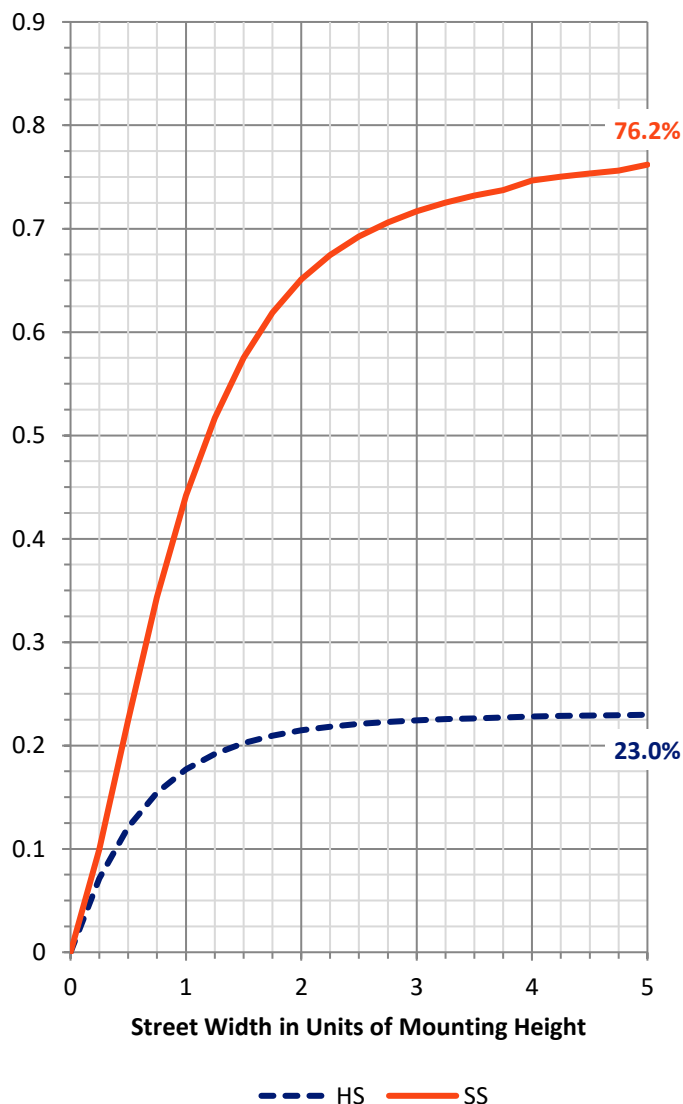
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1999.0	0.0	1999.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	6667.0	0.0	6667.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	8666.0	0.0	8666.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	0.7
10°-20°	225.9	2.6
20°-30°	522.6	6.0
30°-40°	928.1	10.7
40°-50°	1363.8	15.7
50°-60°	1827.2	21.1
60°-70°	1989.9	23.0
70°-80°	1427.3	16.5
80°-90°	323.3	3.7
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°	8666.0	100.0
0°-180°	8666.0	100.0

Coefficient of Utilization



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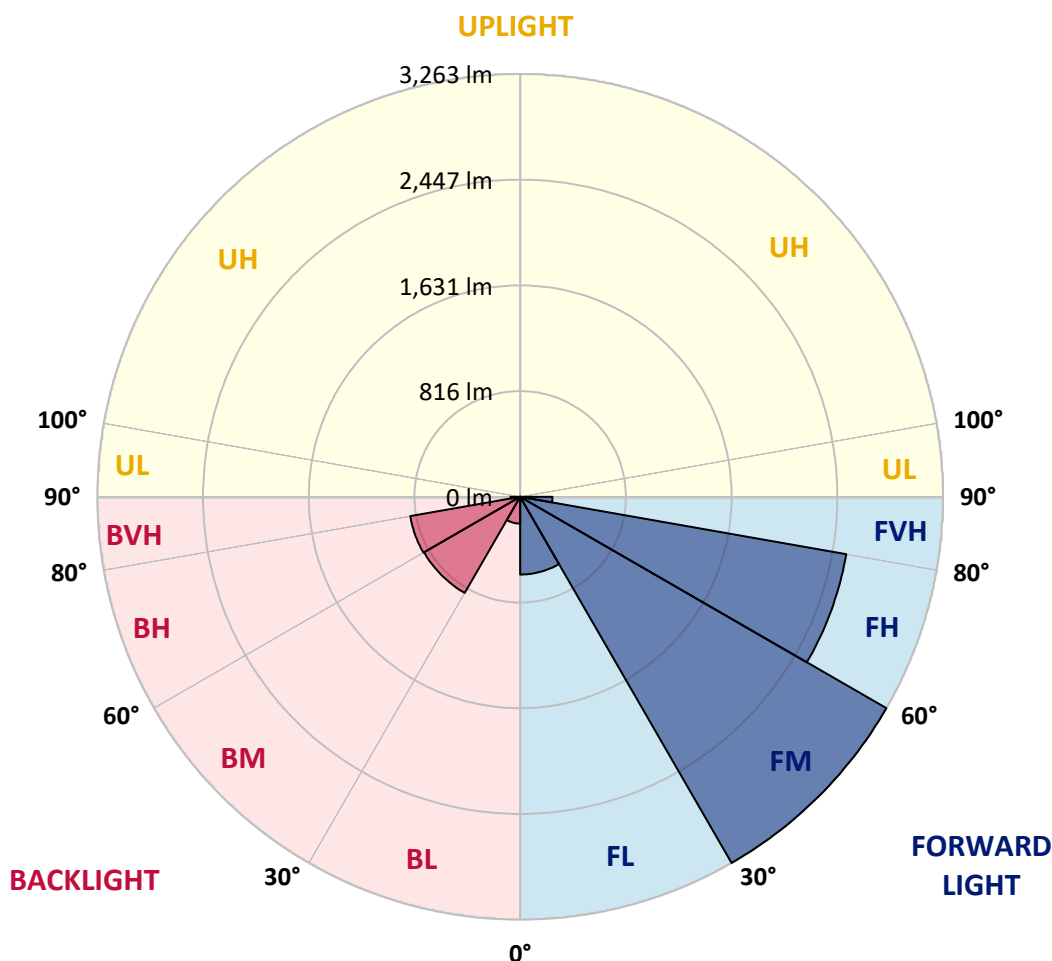
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	599.7	6.9			
FM	(30°-60°)	3262.8	37.7			
FH	(60°-80°)	2555.3	29.5			G2/5000
FVH	(80°-90°)	249.1	2.9			G3/500
BL	(0°-30°)	206.7	2.4	B1/500		
BM	(30°-60°)	856.3	9.9	B1/1000		
BH	(60°-80°)	861.8	9.9	B2/1000		G2/1000
BVH	(80°-90°)	74.2	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5
2.5°	635.5	635.5	635.5	632.1	625.2	614.8	607.9	594.1	587.2	583.7	573.3
5°	715.0	715.0	711.5	708.0	694.2	677.0	659.7	635.5	618.2	611.3	590.6
7.5°	808.2	808.2	801.3	787.5	770.2	746.0	715.0	680.4	656.2	645.9	611.3
10°	922.2	918.7	911.8	880.7	856.6	822.0	784.0	735.7	701.1	687.3	639.0
12.5°	1060.3	1063.8	1046.5	1015.4	974.0	918.7	860.0	801.3	756.4	735.7	670.1
15°	1298.7	1298.7	1264.1	1198.5	1132.9	1043.1	960.2	873.8	818.6	794.4	711.5
17.5°	1796.0	1771.8	1709.7	1530.1	1367.7	1222.7	1098.3	974.0	901.5	863.5	759.9
20°	2024.0	2020.5	1996.4	1899.6	1689.0	1450.6	1277.9	1101.8	1005.1	963.6	818.6
22.5°	2089.6	2086.2	2068.9	2037.8	1948.0	1692.4	1474.8	1260.7	1129.4	1077.6	898.0
25°	2189.8	2189.8	2162.1	2103.4	2065.4	1923.8	1661.3	1440.3	1277.9	1215.8	998.2
27.5°	2255.4	2255.4	2251.9	2217.4	2141.4	2086.2	1861.6	1630.2	1443.7	1371.2	1126.0
30°	2379.7	2369.4	2355.6	2324.5	2286.5	2196.7	2082.7	1820.2	1630.2	1537.0	1264.1
32.5°	2718.2	2694.0	2587.0	2462.6	2414.3	2334.8	2276.1	2017.1	1840.9	1737.3	1426.5
35°	2932.4	2922.0	2842.6	2663.0	2528.3	2483.4	2417.7	2234.7	2062.0	1954.9	1613.0
37.5°	3001.4	2994.5	2939.3	2825.3	2663.0	2600.8	2555.9	2441.9	2279.6	2179.4	1816.7
40°	3080.9	3067.1	2980.7	2880.5	2776.9	2694.0	2694.0	2631.9	2483.4	2397.0	2020.5
42.5°	3036.0	3042.9	2987.6	2884.0	2825.3	2770.0	2811.5	2801.1	2676.8	2611.1	2220.9
45°	2763.1	2790.7	2849.5	2873.6	2797.7	2828.7	2904.7	2946.2	2870.2	2801.1	2414.3
47.5°	2759.7	2752.8	2801.1	2808.0	2818.4	2877.1	2980.7	3070.5	3022.2	2970.3	2597.3
50°	2970.3	2946.2	2908.2	2894.4	2904.7	2935.8	3053.2	3167.2	3139.6	3115.4	2773.5
52.5°	3108.5	3080.9	2960.0	2928.9	2953.1	3025.6	3181.0	3291.6	3257.0	3243.2	2942.7
55°	3353.7	3329.6	3167.2	2980.7	3011.8	3136.1	3346.8	3464.3	3450.4	3398.6	3108.5
57.5°	3243.2	3250.1	3198.3	3015.3	3039.4	3177.6	3467.7	3640.4	3654.2	3585.1	3267.4
60°	3042.9	3049.8	3039.4	2953.1	2966.9	3139.6	3488.4	3768.2	3809.6	3740.6	3405.5
62.5°	2873.6	2880.5	2866.7	2811.5	2814.9	3032.5	3422.8	3778.6	3868.4	3823.5	3488.4
65°	2614.6	2638.8	2663.0	2607.7	2635.3	2877.1	3277.7	3688.8	3809.6	3792.4	3498.8
67.5°	2348.6	2365.9	2410.8	2397.0	2438.4	2680.2	3080.9	3512.6	3654.2	3650.8	3415.9
70°	2134.5	2141.4	2148.3	2158.7	2200.1	2438.4	2835.6	3246.7	3395.2	3426.3	3229.4
72.5°	1910.0	1913.5	1896.2	1882.4	1927.3	2176.0	2538.6	2901.3	3067.1	3094.7	2932.4
75°	1640.6	1647.5	1609.5	1588.8	1637.1	1858.2	2189.8	2500.6	2621.5	2680.2	2538.6
77.5°	1385.0	1360.8	1326.3	1291.8	1336.7	1526.6	1806.4	2055.1	2141.4	2176.0	2068.9
80°	1084.5	1056.9	1015.4	987.8	1022.4	1170.9	1385.0	1561.2	1606.1	1630.2	1533.5
82.5°	746.0	721.9	680.4	652.8	683.9	790.9	936.0	1025.8	1053.4	1063.8	956.7
85°	355.8	335.0	314.3	310.9	335.0	376.5	400.7	435.2	435.2	411.0	400.7
87.5°	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5	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°	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5	559.5
2.5°	566.4	559.5	549.2	542.3	531.9	525.0	521.5	518.1	514.6	511.2	511.2
5°	580.3	566.4	549.2	531.9	514.6	500.8	490.5	483.5	476.6	473.2	473.2
7.5°	597.5	580.3	552.6	525.0	500.8	483.5	466.3	455.9	449.0	445.6	445.6
10°	618.2	597.5	556.1	521.5	493.9	469.7	449.0	435.2	428.3	421.4	421.4
12.5°	645.9	618.2	566.4	525.0	490.5	459.4	435.2	417.9	407.6	400.7	397.2
15°	677.0	645.9	583.7	531.9	490.5	452.5	421.4	400.7	386.8	379.9	379.9
17.5°	718.4	680.4	604.4	542.3	490.5	445.6	411.0	386.8	369.6	362.7	362.7
20°	766.8	718.4	628.6	556.1	493.9	442.1	404.1	373.0	352.3	345.4	341.9
22.5°	825.5	770.2	656.2	573.3	497.4	438.6	393.7	359.2	338.5	324.7	324.7
25°	904.9	828.9	690.8	590.6	504.3	438.6	383.4	345.4	321.2	307.4	307.4
27.5°	1005.1	904.9	732.2	611.3	514.6	435.2	376.5	331.6	303.9	290.1	286.7
30°	1119.1	998.2	780.6	635.5	525.0	435.2	366.1	317.8	286.7	269.4	265.9
32.5°	1253.8	1108.7	842.8	666.6	535.4	435.2	355.8	300.5	269.4	248.7	248.7
35°	1398.8	1233.0	918.7	701.1	549.2	435.2	348.8	290.1	252.1	234.9	234.9
37.5°	1575.0	1378.1	1008.5	735.7	563.0	435.2	341.9	279.8	241.8	228.0	224.5
40°	1768.4	1537.0	1105.2	784.0	583.7	438.6	338.5	276.3	238.3	221.0	217.6
42.5°	1958.4	1713.1	1215.8	839.3	611.3	452.5	341.9	272.9	231.4	210.7	210.7
45°	2158.7	1892.7	1350.5	918.7	645.9	462.8	341.9	265.9	224.5	203.8	203.8
47.5°	2338.3	2068.9	1502.4	1005.1	677.0	473.2	338.5	259.0	217.6	196.9	196.9
50°	2511.0	2255.4	1657.9	1094.9	715.0	483.5	338.5	255.6	210.7	190.0	190.0
52.5°	2673.3	2424.6	1802.9	1188.1	756.4	500.8	341.9	248.7	203.8	186.5	183.1
55°	2821.8	2562.8	1930.7	1281.4	801.3	514.6	341.9	245.2	196.9	179.6	176.1
57.5°	2966.9	2690.6	2048.2	1367.7	842.8	528.4	341.9	238.3	190.0	169.2	169.2
60°	3101.6	2811.5	2141.4	1436.8	877.3	535.4	338.5	231.4	183.1	162.3	158.9
62.5°	3198.3	2904.7	2217.4	1481.7	908.4	538.8	331.6	221.0	169.2	148.5	148.5
65°	3225.9	2942.7	2248.5	1495.5	922.2	535.4	321.2	210.7	152.0	134.7	134.7
67.5°	3160.3	2897.8	2220.9	1485.2	904.9	514.6	300.5	193.4	131.2	120.9	120.9
70°	3004.9	2752.8	2117.2	1426.5	860.0	483.5	276.3	176.1	107.1	103.6	103.6
72.5°	2738.9	2507.5	1930.7	1312.5	787.5	435.2	245.2	152.0	86.3	86.3	89.8
75°	2372.8	2165.6	1661.3	1143.2	683.9	376.5	207.2	117.4	65.6	72.5	72.5
77.5°	1927.3	1740.8	1333.2	929.1	552.6	303.9	162.3	82.9	48.4	55.3	55.3
80°	1416.1	1257.2	960.2	677.0	404.1	217.6	103.6	48.4	34.5	38.0	38.0
82.5°	866.9	752.9	569.9	411.0	234.9	117.4	51.8	20.7	17.3	20.7	20.7
85°	348.8	297.0	228.0	138.2	62.2	27.6	10.4	6.9	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	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)