

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: P553738

Luminaire Tested: **LXS-VA2-740-U-ASW-C**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553738  
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-VA2-740-U-ASW-C  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4589 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

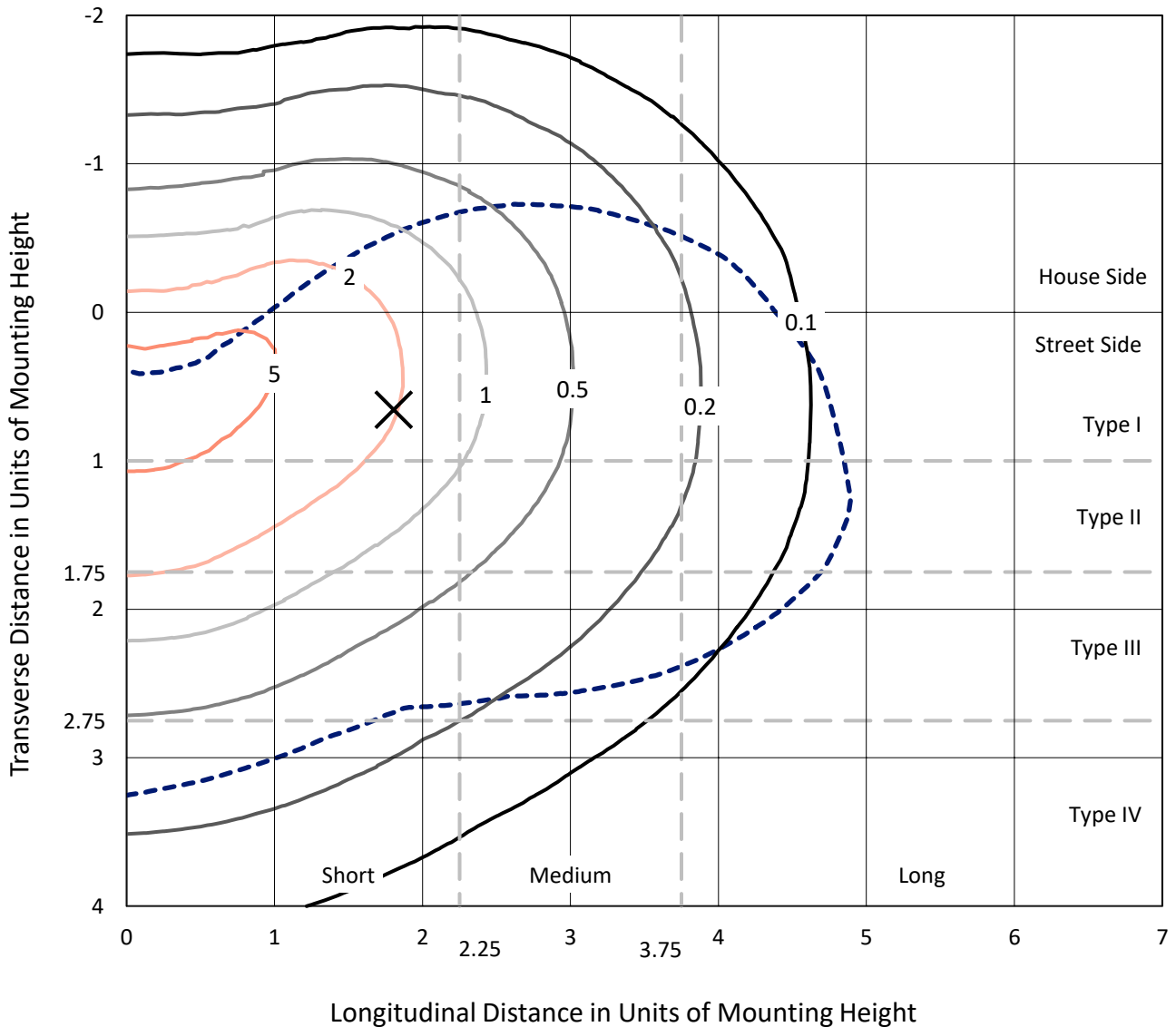
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

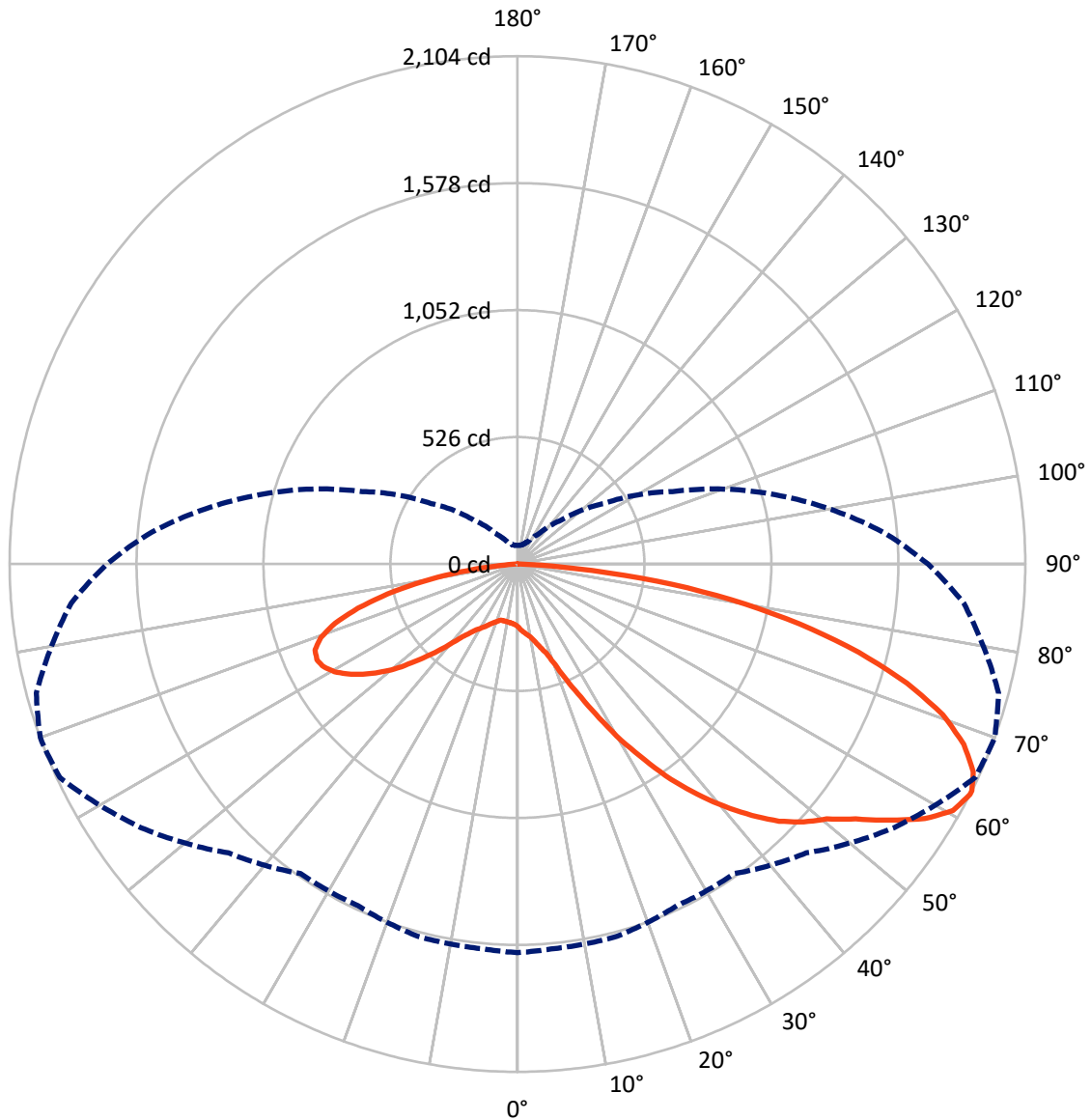
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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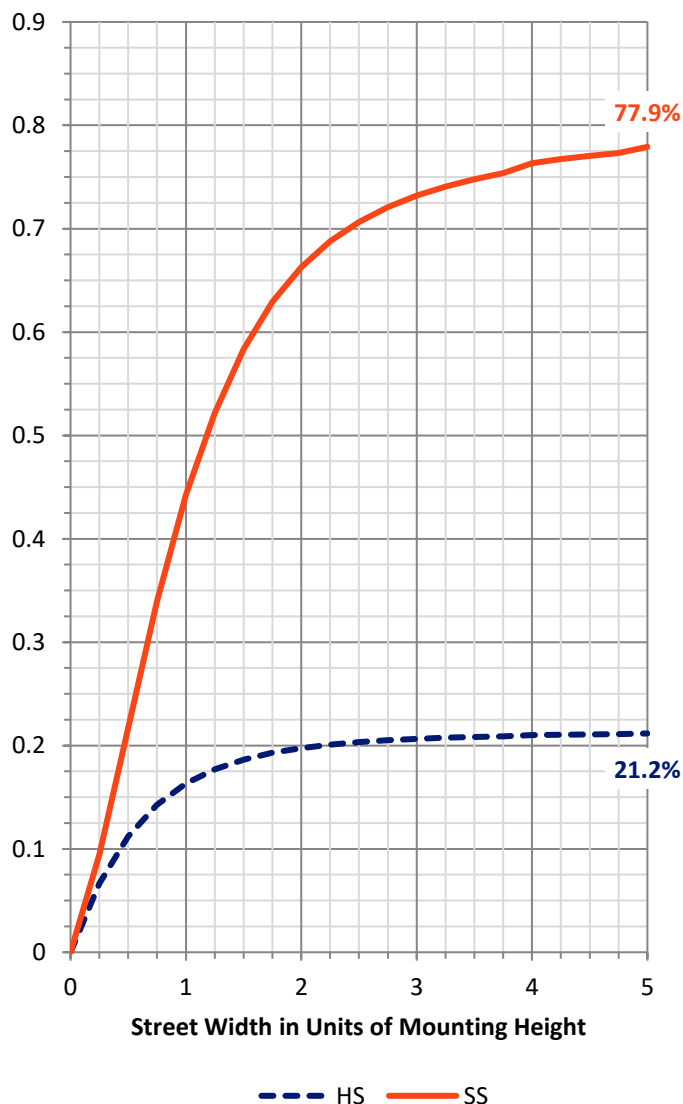
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	976.5	0.0	976.5
	% Fixture	21.3	0.0	21.3
<b>Street Side</b>	Lumens	3612.5	0.0	3612.5
	% Fixture	78.7	0.0	78.7
<b>Total</b>	Lumens	4589.0	0.0	4589.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	0.6
10°-20°	101.2	2.2
20°-30°	252.8	5.5
30°-40°	481.8	10.5
40°-50°	724.8	15.8
50°-60°	983.0	21.4
60°-70°	1072.5	23.4
70°-80°	769.7	16.8
80°-90°	176.8	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°	4589.0	100.0
0°-180°	4589.0	100.0

**Coefficient of Utilization**



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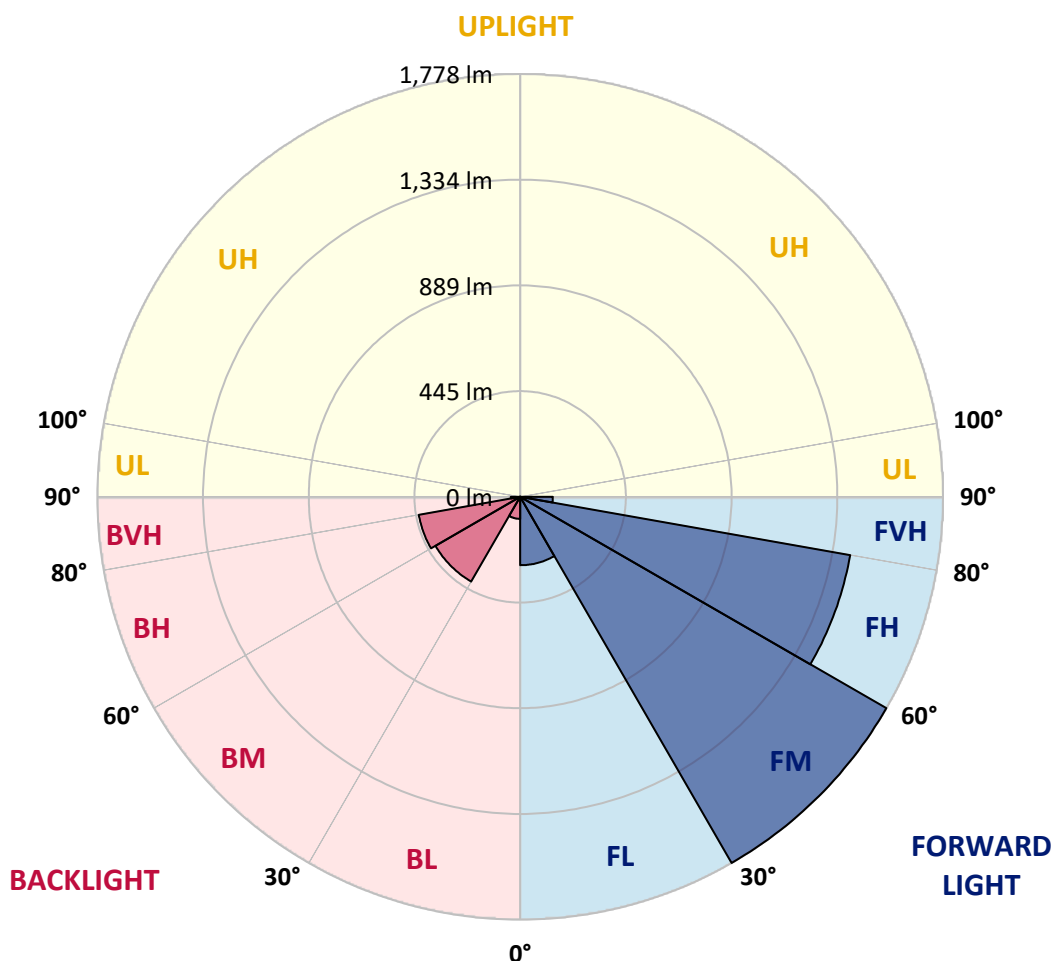
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.6	6.3			
FM	(30°-60°)	1778.0	38.7			
FH	(60°-80°)	1409.3	30.7			G1/1800
FVH	(80°-90°)	137.6	3.0			G2/225
BL	(0°-30°)	92.7	2.0	B0/110		
BM	(30°-60°)	411.6	9.0	B1/1000		
BH	(60°-80°)	432.9	9.4	B1/500		G1/500
BVH	(80°-90°)	39.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4
2.5°	294.0	294.0	292.1	290.1	288.2	286.3	280.5	274.8	272.8	270.9	265.2
5°	332.4	332.4	328.6	324.7	317.0	311.3	299.8	290.1	284.4	280.5	269.0
7.5°	378.5	376.6	370.8	361.2	347.8	334.3	319.0	303.6	295.9	288.2	274.8
10°	430.4	426.6	415.0	399.7	380.5	361.2	338.2	319.0	309.4	299.8	280.5
12.5°	507.3	501.5	476.5	453.5	422.7	393.9	368.9	343.9	330.5	317.0	290.1
15°	628.3	616.8	576.4	538.0	488.1	453.5	409.3	376.6	359.3	338.2	303.6
17.5°	874.3	860.8	782.0	687.9	599.5	541.9	465.0	411.2	388.1	361.2	315.1
20°	1004.9	999.2	962.7	897.3	772.4	668.7	568.8	476.5	443.9	409.3	343.9
22.5°	1056.8	1053.0	1028.0	1001.1	939.6	812.8	686.0	568.8	522.6	472.7	384.3
25°	1137.5	1135.6	1104.9	1060.7	1028.0	953.1	803.2	676.4	611.0	551.5	434.3
27.5°	1193.2	1197.1	1187.5	1156.7	1089.5	1051.0	924.2	793.6	722.5	645.6	495.7
30°	1314.3	1306.6	1281.6	1250.9	1197.1	1127.9	1056.8	916.5	847.4	755.1	586.1
32.5°	1535.3	1516.0	1433.4	1352.7	1289.3	1208.6	1166.3	1031.8	966.5	872.4	684.0
35°	1631.3	1631.3	1589.1	1479.5	1375.8	1312.4	1250.9	1151.0	1095.2	999.2	797.4
37.5°	1671.7	1671.7	1639.0	1579.5	1469.9	1396.9	1331.6	1266.3	1210.5	1127.9	914.6
40°	1721.6	1712.0	1664.0	1608.3	1541.0	1466.1	1425.7	1371.9	1320.1	1252.8	1029.9
42.5°	1685.1	1690.9	1665.9	1610.2	1575.6	1525.7	1506.4	1466.1	1423.8	1366.2	1143.3
45°	1541.0	1550.6	1591.0	1600.6	1562.2	1566.0	1575.6	1550.6	1519.9	1471.9	1256.6
47.5°	1550.6	1550.6	1567.9	1571.8	1577.5	1600.6	1633.3	1631.3	1596.7	1566.0	1354.6
50°	1669.8	1658.2	1627.5	1621.7	1625.6	1635.2	1687.1	1698.6	1660.2	1642.9	1456.5
52.5°	1742.8	1727.4	1658.2	1639.0	1652.5	1690.9	1769.7	1781.2	1754.3	1712.0	1548.7
55°	1873.4	1863.8	1773.5	1669.8	1683.2	1752.4	1865.8	1890.7	1873.4	1798.5	1644.8
57.5°	1815.8	1806.2	1787.0	1685.1	1698.6	1775.4	1933.0	2002.2	1990.7	1913.8	1731.3
60°	1704.4	1698.6	1698.6	1644.8	1656.3	1752.4	1946.5	2079.0	2073.3	2011.8	1808.1
62.5°	1610.2	1600.6	1596.7	1562.2	1566.0	1692.8	1904.2	2092.5	2104.0	2063.7	1856.1
63°	1587.1	1577.5	1577.5	1541.0	1546.8	1677.5	1890.7	2088.6	2104.0	2067.5	1860.0
65°	1468.0	1464.2	1483.4	1452.6	1468.0	1604.4	1823.5	2048.3	2075.2	2057.9	1863.8
67.5°	1318.1	1312.4	1347.0	1327.7	1356.6	1493.0	1712.0	1950.3	1994.5	1986.8	1821.6
70°	1197.1	1187.5	1195.2	1199.0	1224.0	1358.5	1573.7	1800.4	1869.6	1873.4	1719.7
72.5°	1072.2	1060.7	1047.2	1045.3	1072.2	1200.9	1404.6	1608.3	1687.1	1696.7	1566.0
75°	922.3	910.8	895.4	887.7	910.8	1026.1	1210.5	1385.4	1460.3	1471.9	1358.5
77.5°	762.8	757.1	735.9	724.4	741.7	837.8	995.3	1135.6	1195.2	1208.6	1106.8
80°	595.7	588.0	563.0	545.7	563.0	639.9	757.1	860.8	899.3	910.8	818.5
82.5°	407.4	409.3	376.6	363.2	374.7	428.5	503.4	564.9	584.1	584.1	526.5
85°	184.5	192.1	176.8	172.9	176.8	194.1	228.7	240.2	240.2	244.0	217.1
87.5°	7.7	7.7	7.7	7.7	5.8	3.8	3.8	3.8	3.8	3.8	1.9
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°	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4
2.5°	261.3	259.4	253.6	249.8	245.9	244.0	240.2	238.3	238.3	236.3	238.3
5°	263.2	259.4	251.7	244.0	236.3	232.5	226.7	222.9	221.0	221.0	221.0
7.5°	267.1	261.3	249.8	240.2	230.6	222.9	217.1	213.3	209.4	207.5	207.5
10°	272.8	265.2	249.8	236.3	224.8	217.1	209.4	203.7	199.8	197.9	197.9
12.5°	278.6	269.0	249.8	234.4	222.9	211.4	203.7	196.0	192.1	188.3	188.3
15°	288.2	274.8	251.7	232.5	219.0	205.6	196.0	188.3	182.5	180.6	180.6
17.5°	297.8	282.5	253.6	232.5	217.1	201.8	190.2	180.6	174.9	172.9	172.9
20°	320.9	301.7	265.2	238.3	217.1	199.8	186.4	174.9	167.2	163.3	163.3
22.5°	349.7	324.7	278.6	245.9	219.0	197.9	182.5	169.1	161.4	155.6	155.6
25°	390.1	353.6	294.0	253.6	221.0	197.9	178.7	163.3	153.7	148.0	148.0
27.5°	432.3	388.1	315.1	263.2	226.7	197.9	174.9	157.6	146.0	140.3	140.3
30°	497.7	430.4	334.3	274.8	232.5	196.0	171.0	151.8	138.3	130.7	130.7
32.5°	580.3	497.7	355.5	288.2	236.3	197.9	167.2	144.1	130.7	123.0	123.0
35°	668.7	570.7	393.9	297.8	242.1	196.0	161.4	138.3	123.0	117.2	115.3
37.5°	780.1	659.1	441.9	311.3	247.9	196.0	159.5	132.6	119.1	111.4	111.4
40°	885.8	759.0	505.3	338.2	251.7	197.9	157.6	130.7	117.2	109.5	107.6
42.5°	995.3	853.1	580.3	374.7	259.4	203.7	157.6	128.7	113.4	105.7	105.7
45°	1104.9	949.2	653.3	420.8	278.6	207.5	157.6	126.8	109.5	103.8	101.8
47.5°	1206.7	1053.0	730.2	470.8	301.7	209.4	157.6	123.0	105.7	99.9	98.0
50°	1304.7	1149.0	810.9	528.4	324.7	209.4	157.6	121.1	103.8	96.1	96.1
52.5°	1398.8	1245.1	883.9	576.4	351.6	222.9	155.6	119.1	99.9	94.2	92.2
55°	1483.4	1323.9	953.1	620.6	378.5	234.4	155.6	115.3	96.1	90.3	88.4
57.5°	1567.9	1395.0	1014.5	659.1	405.4	245.9	153.7	113.4	92.2	86.5	86.5
60°	1646.7	1466.1	1068.3	689.8	424.6	253.6	149.9	107.6	88.4	82.6	80.7
62.5°	1700.5	1519.9	1106.8	709.0	436.2	257.5	149.9	101.8	82.6	76.9	76.9
63°	1708.2	1529.5	1112.5	710.9	438.1	259.4	149.9	101.8	82.6	76.9	74.9
65°	1714.0	1546.8	1126.0	714.8	440.0	259.4	146.0	96.1	76.9	71.1	71.1
67.5°	1681.3	1529.5	1114.5	707.1	430.4	251.7	140.3	86.5	69.2	63.4	63.4
70°	1596.7	1456.5	1062.6	676.4	409.3	236.3	130.7	76.9	61.5	55.7	55.7
72.5°	1450.7	1329.7	970.3	618.7	372.8	215.2	117.2	67.3	53.8	50.0	48.0
75°	1254.7	1151.0	835.8	536.1	320.9	184.5	101.8	57.6	44.2	40.4	40.4
77.5°	1014.5	941.5	672.5	430.4	259.4	149.9	82.6	48.0	34.6	32.7	32.7
80°	745.5	687.9	484.2	313.2	186.4	109.5	61.5	36.5	23.1	23.1	23.1
82.5°	455.4	422.7	292.1	188.3	109.5	65.3	38.4	23.1	15.4	13.5	13.5
85°	178.7	172.9	113.4	63.4	32.7	21.1	15.4	9.6	7.7	5.8	3.8
87.5°	1.9	1.9	3.8	1.9	1.9	1.9	1.9	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)