

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: P553737

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

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553737  
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-VA2-740-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: 4816 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

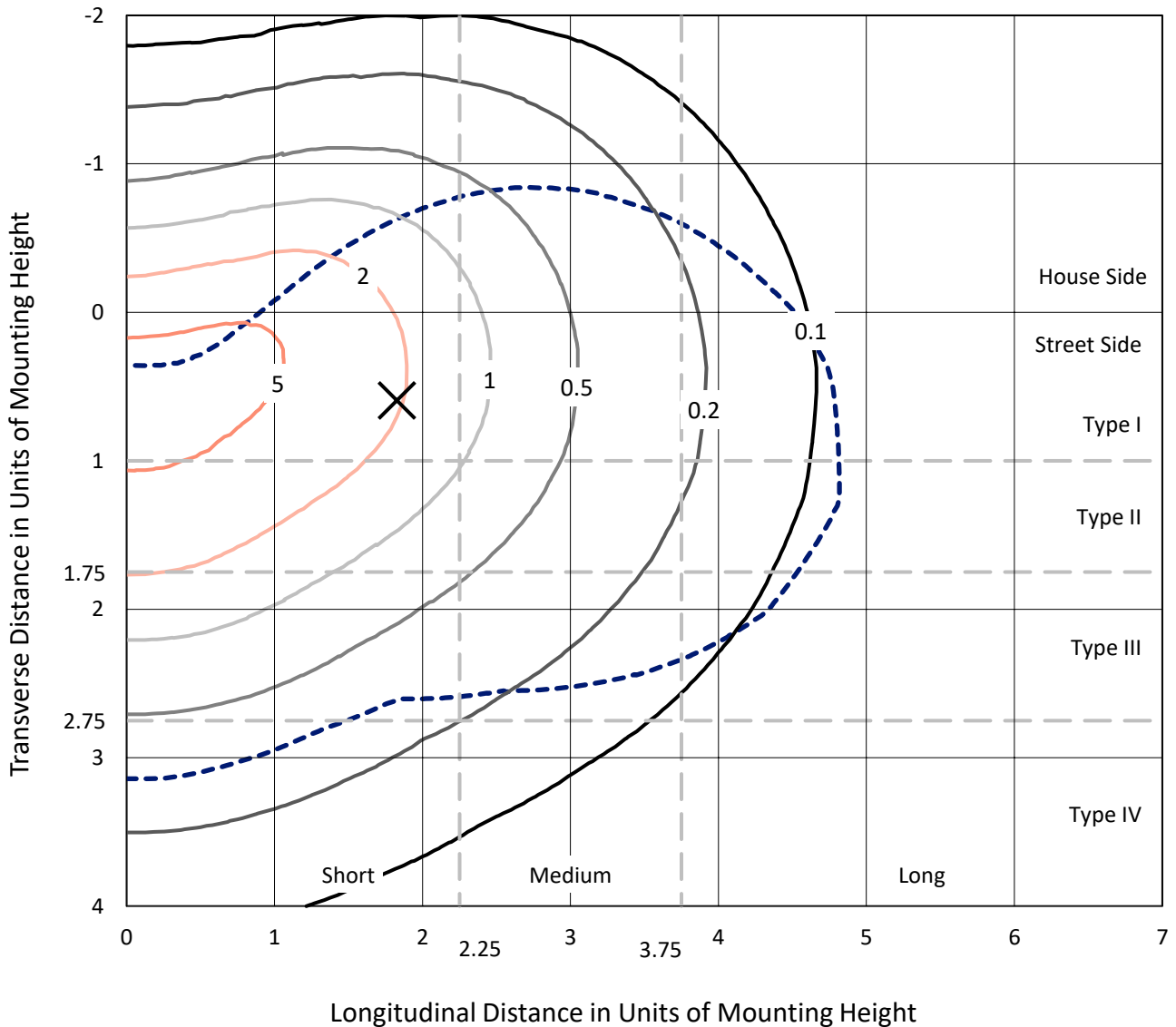
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

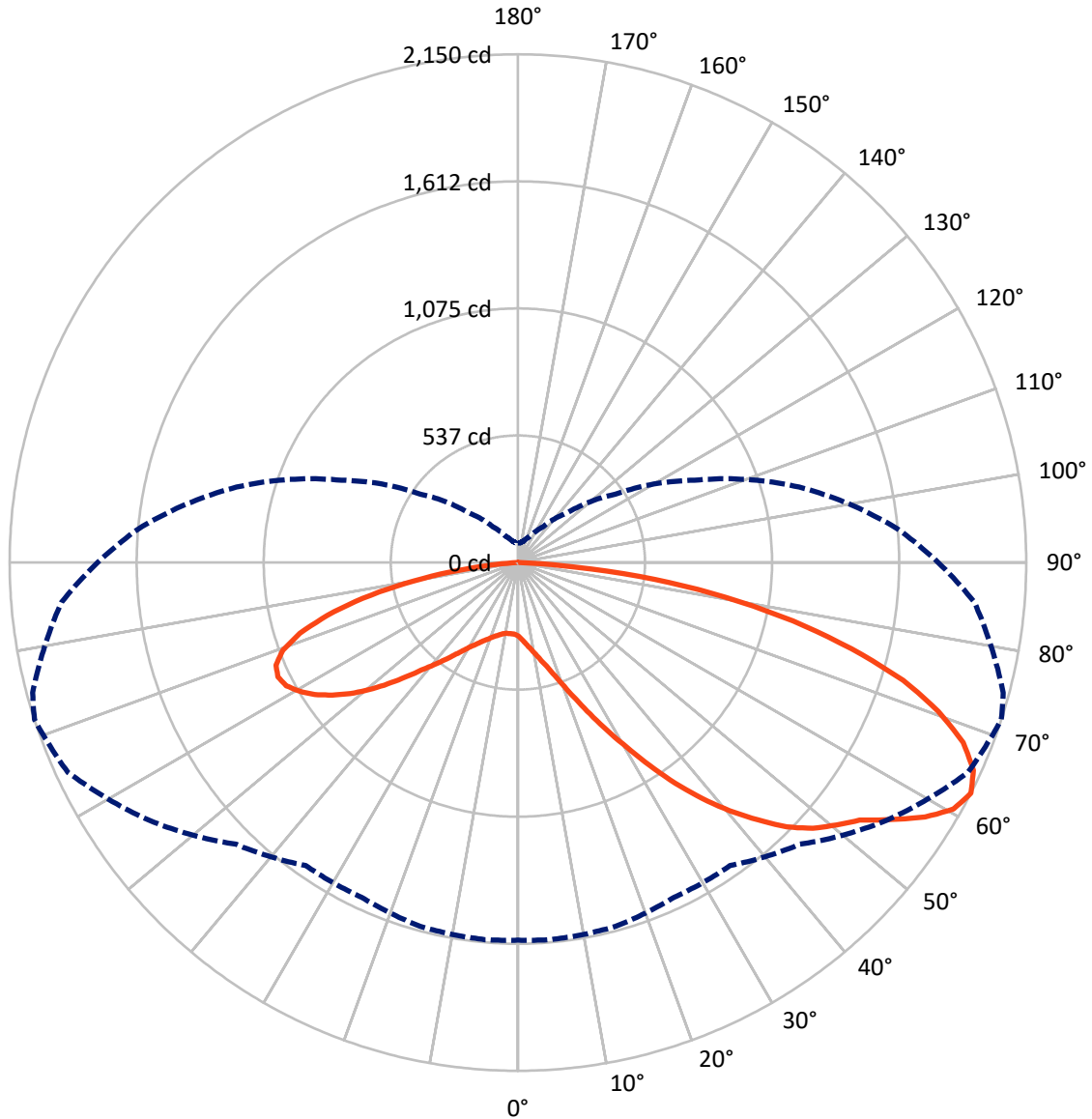
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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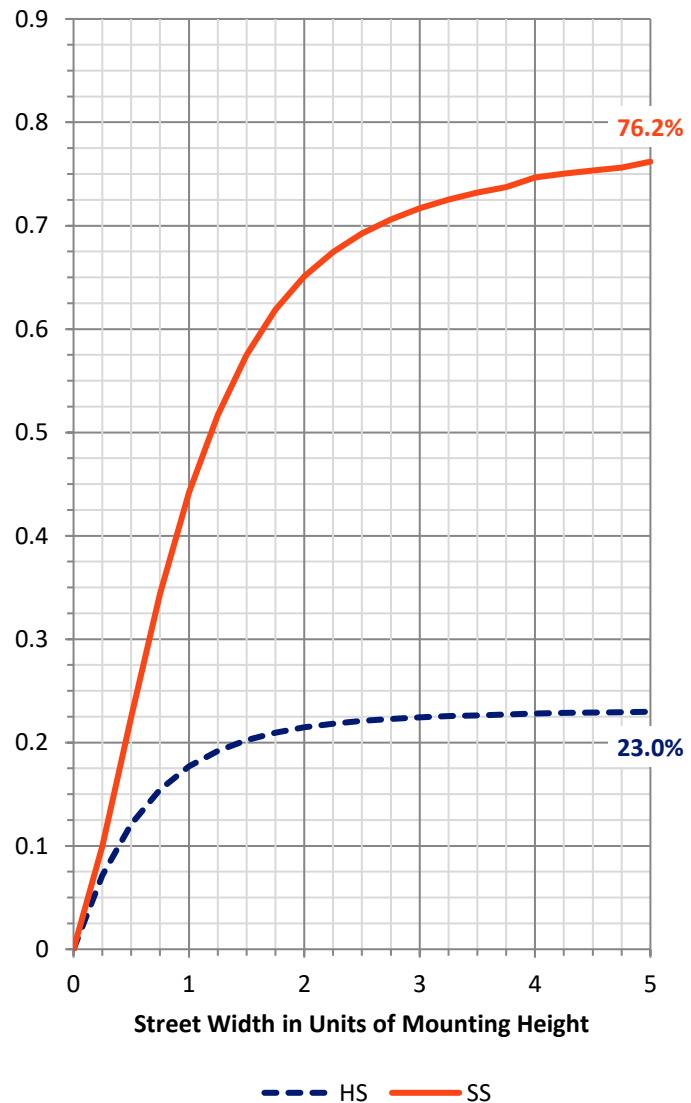
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1110.9	0.0	1110.9
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	3705.1	0.0	3705.1
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	4816.0	0.0	4816.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.2	0.7
10°-20°	125.6	2.6
20°-30°	290.4	6.0
30°-40°	515.8	10.7
40°-50°	757.9	15.7
50°-60°	1015.4	21.1
60°-70°	1105.8	23.0
70°-80°	793.2	16.5
80°-90°	179.7	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°	4816.0	100.0
0°-180°	4816.0	100.0

**Coefficient of Utilization**



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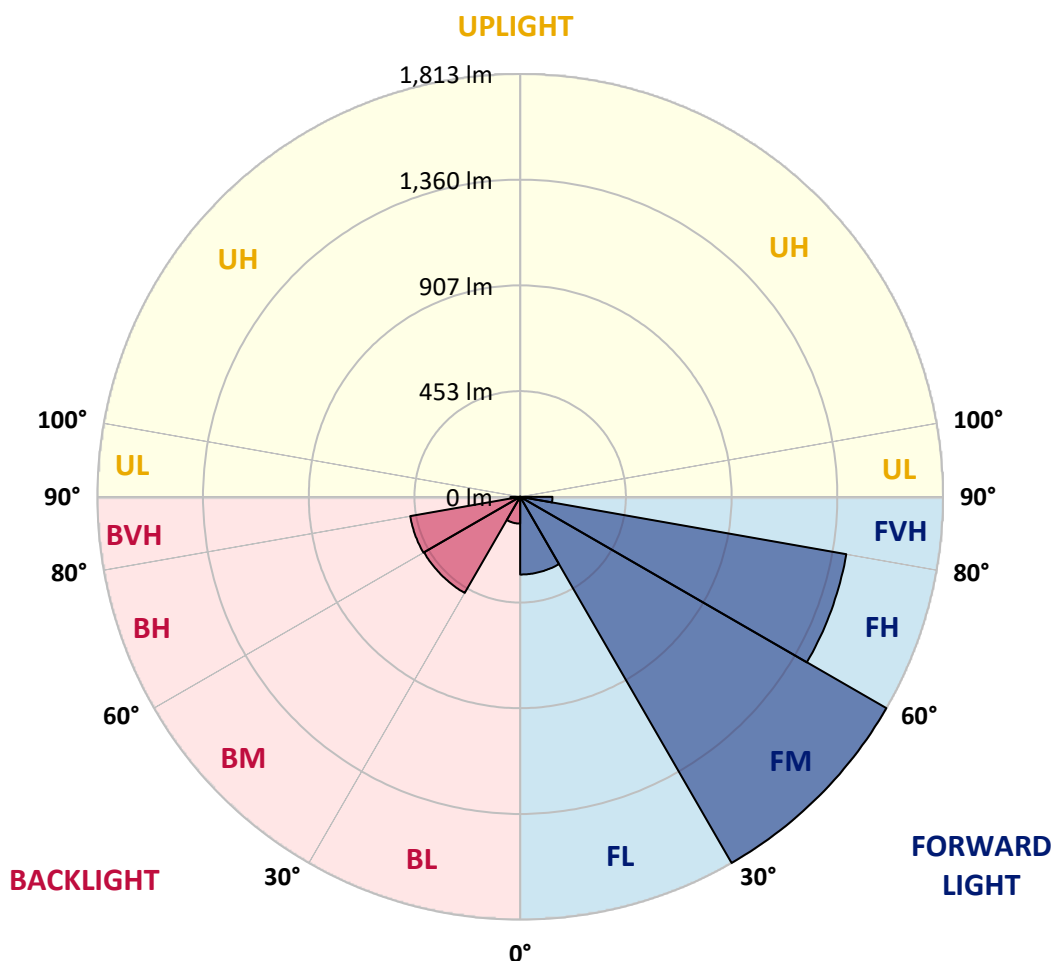
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.3	6.9			
FM	(30°-60°)	1813.3	37.7			
FH	(60°-80°)	1420.1	29.5			G1/1800
FVH	(80°-90°)	138.5	2.9			G2/225
BL	(0°-30°)	114.9	2.4	B1/500		
BM	(30°-60°)	475.9	9.9	B1/1000		
BH	(60°-80°)	478.9	9.9	B1/500		G1/500
BVH	(80°-90°)	41.2	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0
2.5°	353.2	353.2	353.2	351.3	347.4	341.7	337.8	330.1	326.3	324.4	318.6
5°	397.3	397.3	395.4	393.5	385.8	376.2	366.6	353.2	343.6	339.7	328.2
7.5°	449.2	449.2	445.3	437.6	428.0	414.6	397.3	378.1	364.7	358.9	339.7
10°	512.5	510.6	506.7	489.5	476.0	456.8	435.7	408.8	389.6	382.0	355.1
12.5°	589.3	591.2	581.6	564.3	541.3	510.6	477.9	445.3	420.4	408.8	372.4
15°	721.7	721.7	702.5	666.0	629.6	579.7	533.6	485.6	454.9	441.5	395.4
17.5°	998.1	984.7	950.1	850.3	760.1	679.5	610.4	541.3	501.0	479.9	422.3
20°	1124.8	1122.9	1109.4	1055.7	938.6	806.2	710.2	612.3	558.6	535.5	454.9
22.5°	1161.3	1159.3	1149.8	1132.5	1082.6	940.5	819.6	700.6	627.7	598.9	499.1
25°	1216.9	1216.9	1201.6	1168.9	1147.8	1069.1	923.3	800.4	710.2	675.6	554.7
27.5°	1253.4	1253.4	1251.5	1232.3	1190.1	1159.3	1034.6	906.0	802.3	762.0	625.7
30°	1322.5	1316.7	1309.1	1291.8	1270.7	1220.8	1157.4	1011.6	906.0	854.2	702.5
32.5°	1510.6	1497.2	1437.7	1368.6	1341.7	1297.5	1264.9	1121.0	1023.1	965.5	792.7
35°	1629.6	1623.9	1579.7	1479.9	1405.0	1380.1	1343.6	1241.9	1145.9	1086.4	896.4
37.5°	1668.0	1664.2	1633.5	1570.1	1479.9	1445.3	1420.4	1357.1	1266.8	1211.2	1009.6
40°	1712.1	1704.5	1656.5	1600.8	1543.2	1497.2	1497.2	1462.6	1380.1	1332.1	1122.9
42.5°	1687.2	1691.0	1660.3	1602.7	1570.1	1539.4	1562.4	1556.7	1487.6	1451.1	1234.2
45°	1535.6	1550.9	1583.5	1597.0	1554.8	1572.0	1614.3	1637.3	1595.1	1556.7	1341.7
47.5°	1533.6	1529.8	1556.7	1560.5	1566.3	1598.9	1656.5	1706.4	1679.5	1650.7	1443.4
50°	1650.7	1637.3	1616.2	1608.5	1614.3	1631.5	1696.8	1760.1	1744.8	1731.3	1541.3
52.5°	1727.5	1712.1	1645.0	1627.7	1641.1	1681.4	1767.8	1829.2	1810.0	1802.4	1635.4
55°	1863.8	1850.4	1760.1	1656.5	1673.8	1742.9	1859.9	1925.2	1917.5	1888.7	1727.5
57.5°	1802.4	1806.2	1777.4	1675.7	1689.1	1765.9	1927.1	2023.1	2030.8	1992.4	1815.8
60°	1691.0	1694.9	1689.1	1641.1	1648.8	1744.8	1938.6	2094.1	2117.2	2078.8	1892.6
62.5°	1597.0	1600.8	1593.1	1562.4	1564.4	1685.3	1902.2	2099.9	2149.8	2124.8	1938.6
65°	1453.0	1466.5	1479.9	1449.2	1464.5	1598.9	1821.6	2050.0	2117.2	2107.6	1944.4
67.5°	1305.2	1314.8	1339.8	1332.1	1355.1	1489.5	1712.1	1952.1	2030.8	2028.9	1898.3
70°	1186.2	1190.1	1193.9	1199.7	1222.7	1355.1	1575.9	1804.3	1886.8	1904.1	1794.7
72.5°	1061.5	1063.4	1053.8	1046.1	1071.1	1209.3	1410.8	1612.3	1704.5	1719.8	1629.6
75°	911.7	915.6	894.5	882.9	909.8	1032.7	1216.9	1389.7	1456.9	1489.5	1410.8
77.5°	769.7	756.3	737.1	717.9	742.8	848.4	1003.9	1142.1	1190.1	1209.3	1149.8
80°	602.7	587.4	564.3	549.0	568.2	650.7	769.7	867.6	892.5	906.0	852.2
82.5°	414.6	401.2	378.1	362.8	380.1	439.6	520.2	570.1	585.4	591.2	531.7
85°	197.7	186.2	174.7	172.8	186.2	209.2	222.7	241.9	241.9	228.4	222.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	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°	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0	311.0
2.5°	314.8	311.0	305.2	301.4	295.6	291.8	289.8	287.9	286.0	284.1	284.1
5°	322.5	314.8	305.2	295.6	286.0	278.3	272.6	268.7	264.9	263.0	263.0
7.5°	332.1	322.5	307.1	291.8	278.3	268.7	259.1	253.4	249.5	247.6	247.6
10°	343.6	332.1	309.0	289.8	274.5	261.0	249.5	241.9	238.0	234.2	234.2
12.5°	358.9	343.6	314.8	291.8	272.6	255.3	241.9	232.3	226.5	222.7	220.7
15°	376.2	358.9	324.4	295.6	272.6	251.4	234.2	222.7	215.0	211.1	211.1
17.5°	399.2	378.1	335.9	301.4	272.6	247.6	228.4	215.0	205.4	201.5	201.5
20°	426.1	399.2	349.3	309.0	274.5	245.7	224.6	207.3	195.8	191.9	190.0
22.5°	458.7	428.0	364.7	318.6	276.4	243.8	218.8	199.6	188.1	180.4	180.4
25°	502.9	460.7	383.9	328.2	280.2	243.8	213.1	191.9	178.5	170.8	170.8
27.5°	558.6	502.9	406.9	339.7	286.0	241.9	209.2	184.3	168.9	161.2	159.3
30°	621.9	554.7	433.8	353.2	291.8	241.9	203.5	176.6	159.3	149.7	147.8
32.5°	696.8	616.1	468.3	370.5	297.5	241.9	197.7	167.0	149.7	138.2	138.2
35°	777.4	685.2	510.6	389.6	305.2	241.9	193.9	161.2	140.1	130.5	130.5
37.5°	875.3	765.9	560.5	408.8	312.9	241.9	190.0	155.5	134.4	126.7	124.8
40°	982.8	854.2	614.2	435.7	324.4	243.8	188.1	153.6	132.4	122.8	120.9
42.5°	1088.3	952.0	675.6	466.4	339.7	251.4	190.0	151.6	128.6	117.1	117.1
45°	1199.7	1051.9	750.5	510.6	358.9	257.2	190.0	147.8	124.8	113.2	113.2
47.5°	1299.5	1149.8	835.0	558.6	376.2	263.0	188.1	144.0	120.9	109.4	109.4
50°	1395.4	1253.4	921.3	608.5	397.3	268.7	188.1	142.0	117.1	105.6	105.6
52.5°	1485.7	1347.5	1002.0	660.3	420.4	278.3	190.0	138.2	113.2	103.7	101.7
55°	1568.2	1424.2	1073.0	712.1	445.3	286.0	190.0	136.3	109.4	99.8	97.9
57.5°	1648.8	1495.3	1138.2	760.1	468.3	293.7	190.0	132.4	105.6	94.1	94.1
60°	1723.7	1562.4	1190.1	798.5	487.5	297.5	188.1	128.6	101.7	90.2	88.3
62.5°	1777.4	1614.3	1232.3	823.4	504.8	299.4	184.3	122.8	94.1	82.5	82.5
65°	1792.8	1635.4	1249.6	831.1	512.5	297.5	178.5	117.1	84.5	74.9	74.9
67.5°	1756.3	1610.4	1234.2	825.4	502.9	286.0	167.0	107.5	72.9	67.2	67.2
70°	1669.9	1529.8	1176.6	792.7	477.9	268.7	153.6	97.9	59.5	57.6	57.6
72.5°	1522.1	1393.5	1073.0	729.4	437.6	241.9	136.3	84.5	48.0	48.0	49.9
75°	1318.7	1203.5	923.3	635.3	380.1	209.2	115.2	65.3	36.5	40.3	40.3
77.5°	1071.1	967.4	740.9	516.3	307.1	168.9	90.2	46.1	26.9	30.7	30.7
80°	787.0	698.7	533.6	376.2	224.6	120.9	57.6	26.9	19.2	21.1	21.1
82.5°	481.8	418.4	316.7	228.4	130.5	65.3	28.8	11.5	9.6	11.5	11.5
85°	193.9	165.1	126.7	76.8	34.6	15.4	5.8	3.8	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	1.9	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)