

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: P553726

Luminaire Tested: **LXS-VA2-730-U-ASW-C**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553726  
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-VA2-730-U-ASW-C  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE III OPTIC, CANTILEVER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4248 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

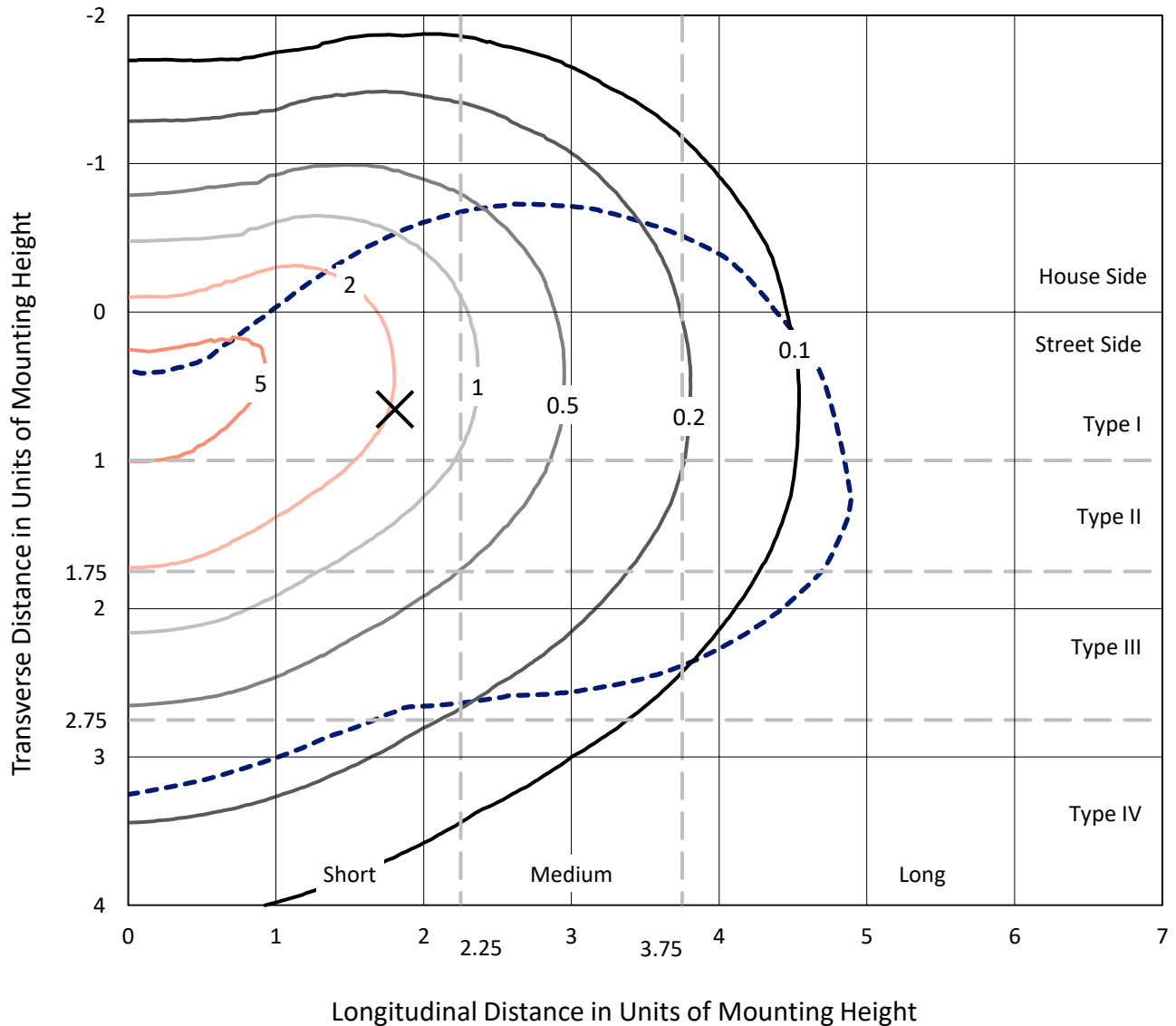
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

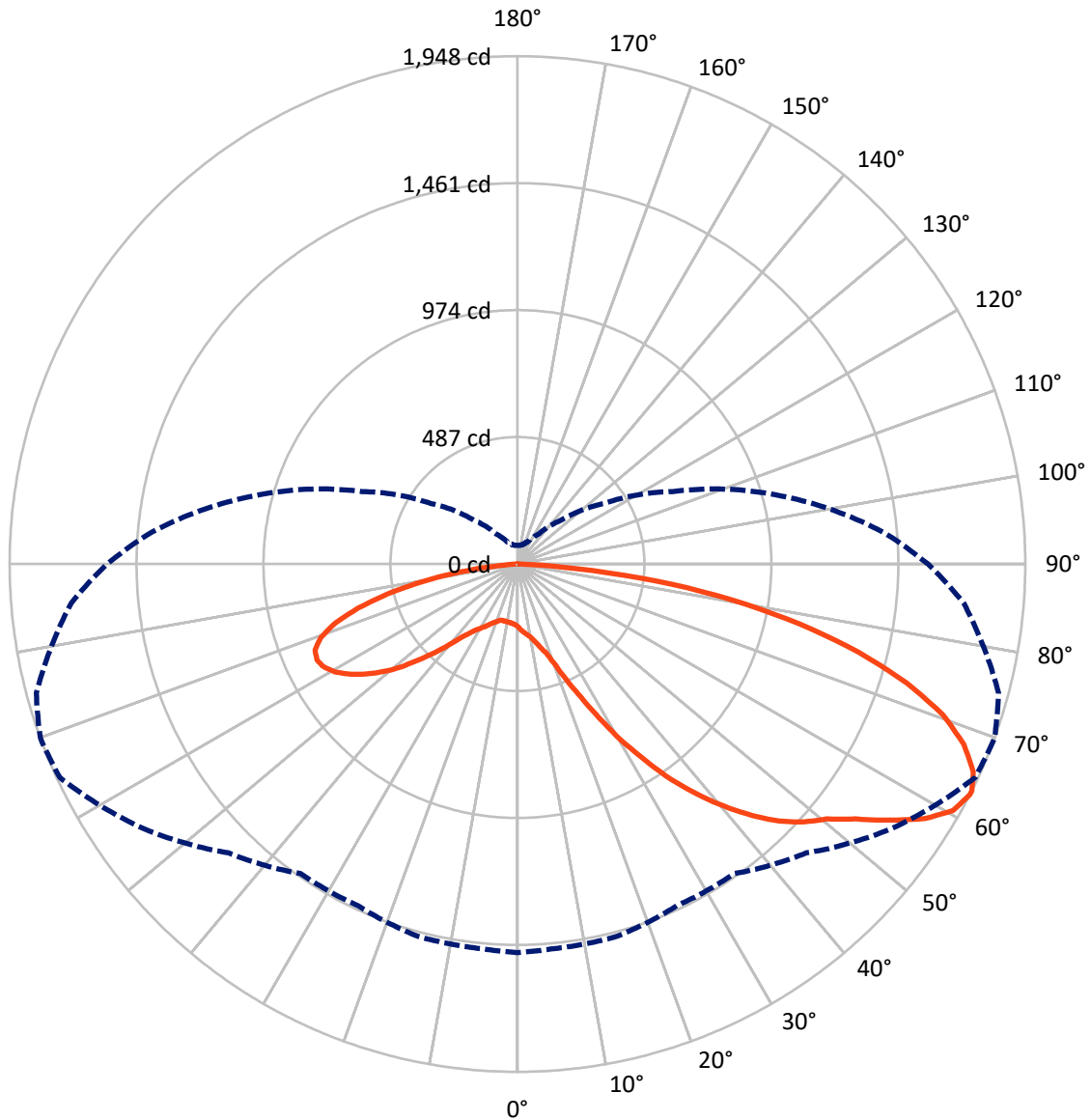
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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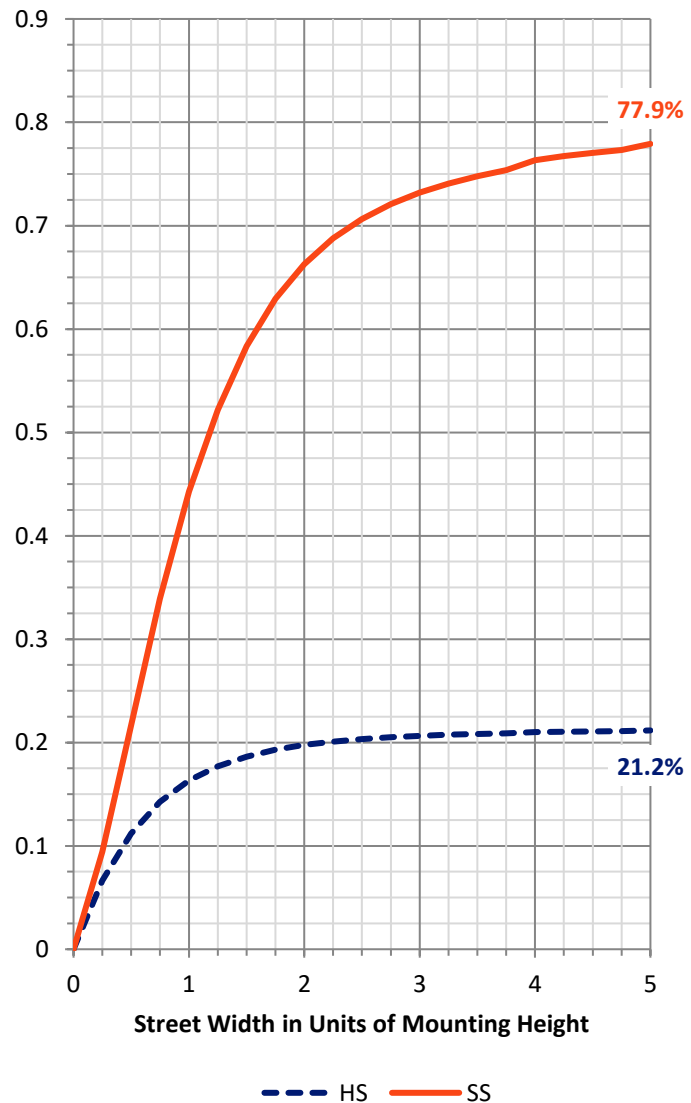
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	903.9	0.0	903.9
	% Fixture	21.3	0.0	21.3
<b>Street Side</b>	Lumens	3344.1	0.0	3344.1
	% Fixture	78.7	0.0	78.7
<b>Total</b>	Lumens	4248.0	0.0	4248.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.5	0.6
10°-20°	93.6	2.2
20°-30°	234.0	5.5
30°-40°	446.0	10.5
40°-50°	671.0	15.8
50°-60°	909.9	21.4
60°-70°	992.8	23.4
70°-80°	712.5	16.8
80°-90°	163.7	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°	4248.0	100.0
0°-180°	4248.0	100.0



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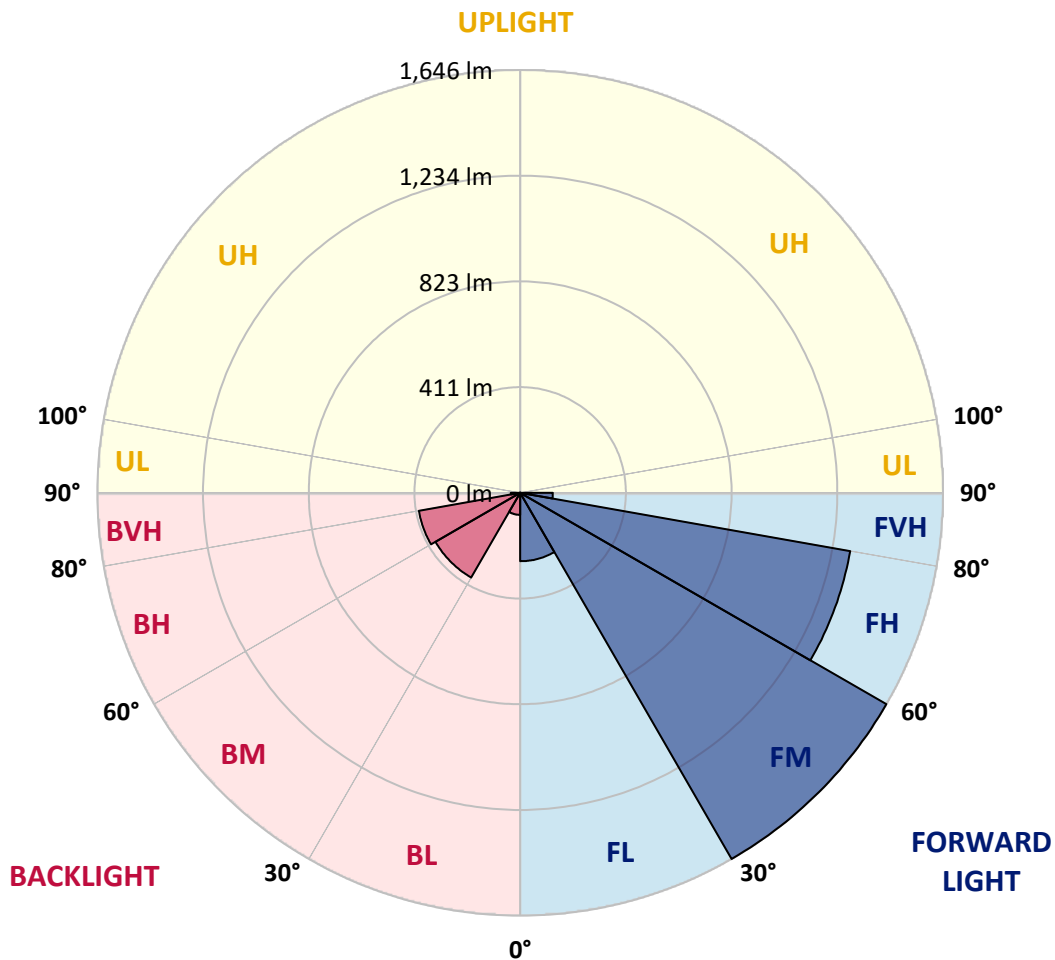
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.3	6.3			
FM	(30°-60°)	1645.9	38.7			
FH	(60°-80°)	1304.5	30.7			G1/1800
FVH	(80°-90°)	127.3	3.0			G2/225
BL	(0°-30°)	85.8	2.0	B0/110		
BM	(30°-60°)	381.0	9.0	B1/1000		
BH	(60°-80°)	400.7	9.4	B1/500		G1/500
BVH	(80°-90°)	36.4	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°	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
2.5°	272.1	272.1	270.4	268.6	266.8	265.0	259.7	254.4	252.6	250.8	245.5
5°	307.7	307.7	304.2	300.6	293.5	288.1	277.5	268.6	263.2	259.7	249.0
7.5°	350.4	348.6	343.3	334.4	321.9	309.5	295.3	281.0	273.9	266.8	254.4
10°	398.4	394.9	384.2	370.0	352.2	334.4	313.1	295.3	286.4	277.5	259.7
12.5°	469.6	464.2	441.1	419.8	391.3	364.6	341.5	318.4	305.9	293.5	268.6
15°	581.6	571.0	533.6	498.0	451.8	419.8	378.9	348.6	332.6	313.1	281.0
17.5°	809.3	796.9	723.9	636.8	555.0	501.6	430.4	380.6	359.3	334.4	291.7
20°	930.3	924.9	891.1	830.7	715.0	619.0	526.5	441.1	410.9	378.9	318.4
22.5°	978.3	974.7	951.6	926.7	869.8	752.4	635.0	526.5	483.8	437.6	355.7
25°	1053.0	1051.2	1022.8	981.8	951.6	882.2	743.5	626.1	565.6	510.5	402.0
27.5°	1104.6	1108.1	1099.2	1070.8	1008.5	972.9	855.6	734.6	668.8	597.6	458.9
30°	1216.6	1209.5	1186.4	1157.9	1108.1	1044.1	978.3	848.4	784.4	699.0	542.5
32.5°	1421.2	1403.4	1326.9	1252.2	1193.5	1118.8	1079.7	955.2	894.7	807.5	633.2
35°	1510.1	1510.1	1471.0	1369.6	1273.5	1214.9	1157.9	1065.4	1013.9	924.9	738.2
37.5°	1547.5	1547.5	1517.2	1462.1	1360.7	1293.1	1232.6	1172.2	1120.6	1044.1	846.7
40°	1593.7	1584.8	1540.4	1488.8	1426.5	1357.1	1319.8	1270.0	1222.0	1159.7	953.4
42.5°	1559.9	1565.3	1542.1	1490.5	1458.5	1412.3	1394.5	1357.1	1318.0	1264.7	1058.3
45°	1426.5	1435.4	1472.8	1481.7	1446.1	1449.6	1458.5	1435.4	1406.9	1362.5	1163.3
47.5°	1435.4	1435.4	1451.4	1455.0	1460.3	1481.7	1511.9	1510.1	1478.1	1449.6	1254.0
50°	1545.7	1535.0	1506.6	1501.2	1504.8	1513.7	1561.7	1572.4	1536.8	1520.8	1348.3
52.5°	1613.3	1599.0	1535.0	1517.2	1529.7	1565.3	1638.2	1648.9	1624.0	1584.8	1433.6
55°	1734.2	1725.3	1641.7	1545.7	1558.1	1622.2	1727.1	1750.2	1734.2	1664.9	1522.6
57.5°	1680.9	1672.0	1654.2	1559.9	1572.4	1643.5	1789.4	1853.4	1842.7	1771.6	1602.6
60°	1577.7	1572.4	1572.4	1522.6	1533.2	1622.2	1801.8	1924.6	1919.2	1862.3	1673.8
62.5°	1490.5	1481.7	1478.1	1446.1	1449.6	1567.0	1762.7	1937.0	1947.7	1910.3	1718.2
63°	1469.2	1460.3	1460.3	1426.5	1431.9	1552.8	1750.2	1933.4	1947.7	1913.9	1721.8
65°	1358.9	1355.4	1373.2	1344.7	1358.9	1485.2	1688.0	1896.1	1921.0	1905.0	1725.3
67.5°	1220.2	1214.9	1246.9	1229.1	1255.8	1382.0	1584.8	1805.4	1846.3	1839.2	1686.2
70°	1108.1	1099.2	1106.3	1109.9	1133.0	1257.5	1456.8	1666.6	1730.7	1734.2	1591.9
72.5°	992.5	981.8	969.4	967.6	992.5	1111.7	1300.2	1488.8	1561.7	1570.6	1449.6
75°	853.8	843.1	828.9	821.8	843.1	949.8	1120.6	1282.4	1351.8	1362.5	1257.5
77.5°	706.1	700.8	681.2	670.6	686.6	775.5	921.4	1051.2	1106.3	1118.8	1024.5
80°	551.4	544.3	521.2	505.1	521.2	592.3	700.8	796.9	832.4	843.1	757.7
82.5°	377.1	378.9	348.6	336.2	346.8	396.6	466.0	522.9	540.7	540.7	487.4
85°	170.8	177.9	163.6	160.1	163.6	179.6	211.7	222.3	222.3	225.9	201.0
87.5°	7.1	7.1	7.1	7.1	5.3	3.6	3.6	3.6	3.6	3.6	1.8
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°	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
2.5°	241.9	240.1	234.8	231.2	227.7	225.9	222.3	220.6	220.6	218.8	220.6
5°	243.7	240.1	233.0	225.9	218.8	215.2	209.9	206.3	204.6	204.6	204.6
7.5°	247.2	241.9	231.2	222.3	213.4	206.3	201.0	197.4	193.9	192.1	192.1
10°	252.6	245.5	231.2	218.8	208.1	201.0	193.9	188.5	185.0	183.2	183.2
12.5°	257.9	249.0	231.2	217.0	206.3	195.7	188.5	181.4	177.9	174.3	174.3
15°	266.8	254.4	233.0	215.2	202.8	190.3	181.4	174.3	169.0	167.2	167.2
17.5°	275.7	261.5	234.8	215.2	201.0	186.8	176.1	167.2	161.9	160.1	160.1
20°	297.0	279.3	245.5	220.6	201.0	185.0	172.5	161.9	154.7	151.2	151.2
22.5°	323.7	300.6	257.9	227.7	202.8	183.2	169.0	156.5	149.4	144.1	144.1
25°	361.1	327.3	272.1	234.8	204.6	183.2	165.4	151.2	142.3	137.0	137.0
27.5°	400.2	359.3	291.7	243.7	209.9	183.2	161.9	145.9	135.2	129.8	129.8
30°	460.7	398.4	309.5	254.4	215.2	181.4	158.3	140.5	128.1	121.0	121.0
32.5°	537.2	460.7	329.1	266.8	218.8	183.2	154.7	133.4	121.0	113.8	113.8
35°	619.0	528.3	364.6	275.7	224.1	181.4	149.4	128.1	113.8	108.5	106.7
37.5°	722.2	610.1	409.1	288.1	229.5	181.4	147.6	122.7	110.3	103.2	103.2
40°	820.0	702.6	467.8	313.1	233.0	183.2	145.9	121.0	108.5	101.4	99.6
42.5°	921.4	789.7	537.2	346.8	240.1	188.5	145.9	119.2	104.9	97.8	97.8
45°	1022.8	878.7	604.8	389.5	257.9	192.1	145.9	117.4	101.4	96.0	94.3
47.5°	1117.0	974.7	675.9	435.8	279.3	193.9	145.9	113.8	97.8	92.5	90.7
50°	1207.7	1063.7	750.6	489.1	300.6	193.9	145.9	112.1	96.0	88.9	88.9
52.5°	1294.9	1152.6	818.2	533.6	325.5	206.3	144.1	110.3	92.5	87.2	85.4
55°	1373.2	1225.5	882.2	574.5	350.4	217.0	144.1	106.7	88.9	83.6	81.8
57.5°	1451.4	1291.3	939.2	610.1	375.3	227.7	142.3	104.9	85.4	80.0	80.0
60°	1524.3	1357.1	989.0	638.6	393.1	234.8	138.7	99.6	81.8	76.5	74.7
62.5°	1574.1	1406.9	1024.5	656.3	403.8	238.3	138.7	94.3	76.5	71.1	71.1
63°	1581.3	1415.8	1029.9	658.1	405.5	240.1	138.7	94.3	76.5	71.1	69.4
65°	1586.6	1431.9	1042.3	661.7	407.3	240.1	135.2	88.9	71.1	65.8	65.8
67.5°	1556.4	1415.8	1031.6	654.6	398.4	233.0	129.8	80.0	64.0	58.7	58.7
70°	1478.1	1348.3	983.6	626.1	378.9	218.8	121.0	71.1	56.9	51.6	51.6
72.5°	1342.9	1230.9	898.2	572.7	345.1	199.2	108.5	62.3	49.8	46.2	44.5
75°	1161.5	1065.4	773.7	496.3	297.0	170.8	94.3	53.4	40.9	37.4	37.4
77.5°	939.2	871.6	622.5	398.4	240.1	138.7	76.5	44.5	32.0	30.2	30.2
80°	690.1	636.8	448.2	289.9	172.5	101.4	56.9	33.8	21.3	21.3	21.3
82.5°	421.6	391.3	270.4	174.3	101.4	60.5	35.6	21.3	14.2	12.5	12.5
85°	165.4	160.1	104.9	58.7	30.2	19.6	14.2	8.9	7.1	5.3	3.6
87.5°	1.8	1.8	3.6	1.8	1.8	1.8	1.8	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)