

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: P553724

Luminaire Tested: **LXS-VA2-730-U-AST-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553724  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-17-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-AST-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE IV OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4218 lumens  
Efficiency: N/A  
Efficacy: 87.9 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

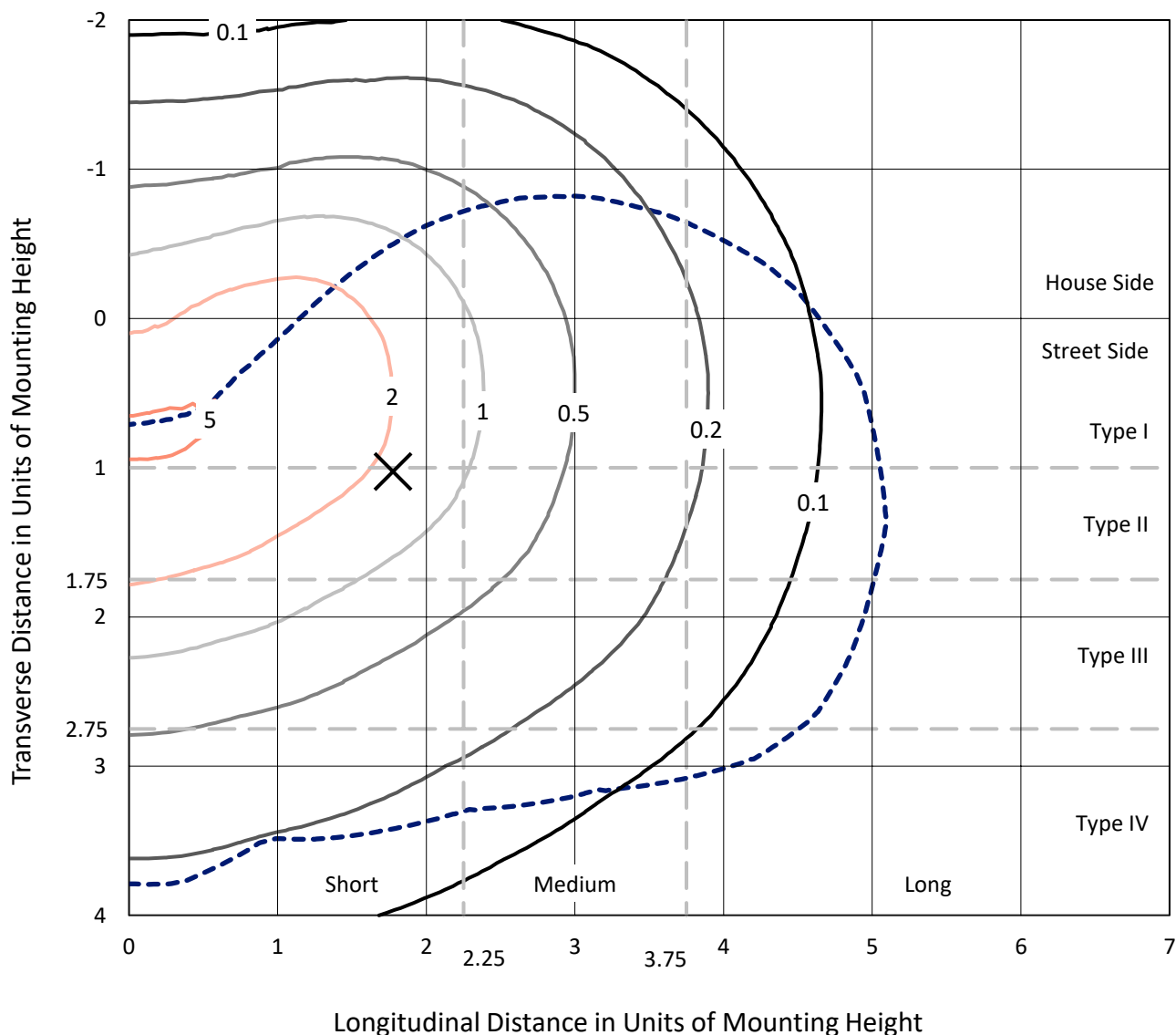


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### Iso-Footcandle Lines of Horizontal Illumination

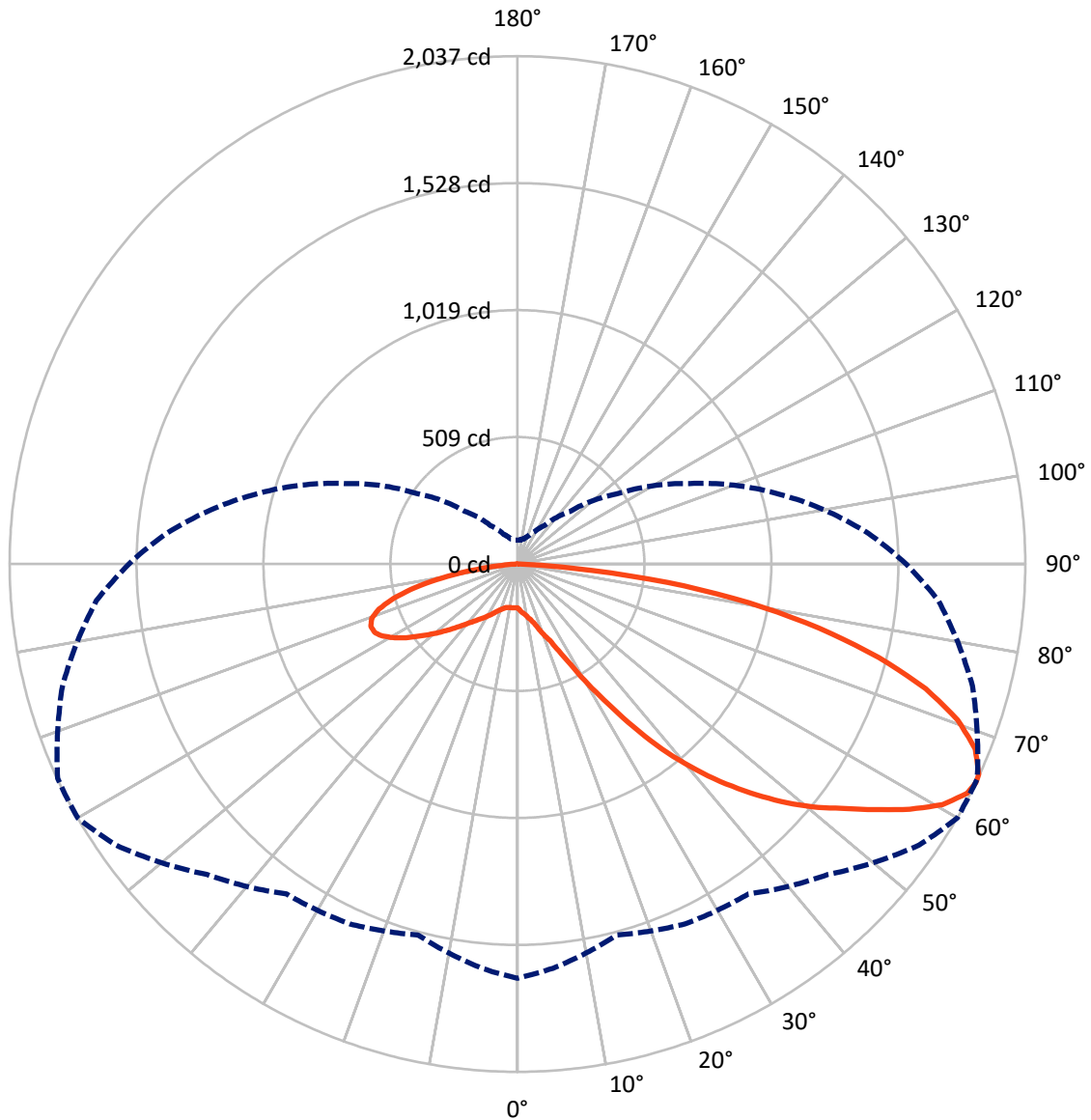
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical



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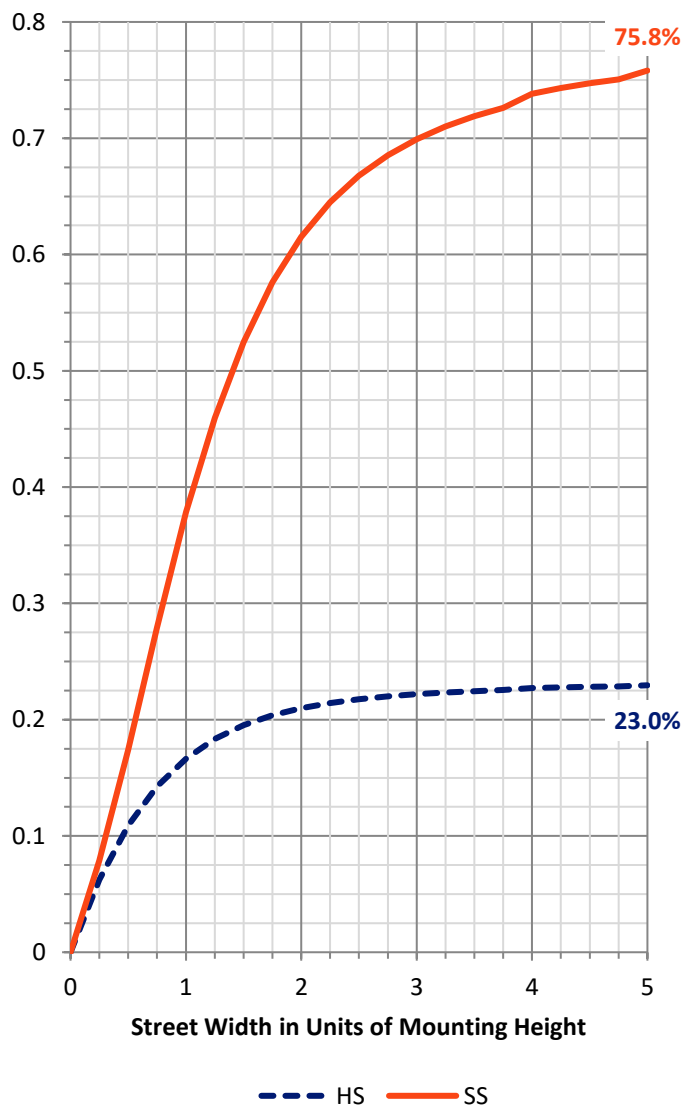
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	975.7	0.0	975.7
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	3242.3	0.0	3242.3
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	4218.0	0.0	4218.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	0.4
10°-20°	61.5	1.5
20°-30°	144.2	3.4
30°-40°	338.0	8.0
40°-50°	610.8	14.5
50°-60°	901.3	21.4
60°-70°	1094.4	25.9
70°-80°	850.2	20.2
80°-90°	199.6	4.7
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°	4218.0	100.0
0°-180°	4218.0	100.0

**Coefficient of Utilization**



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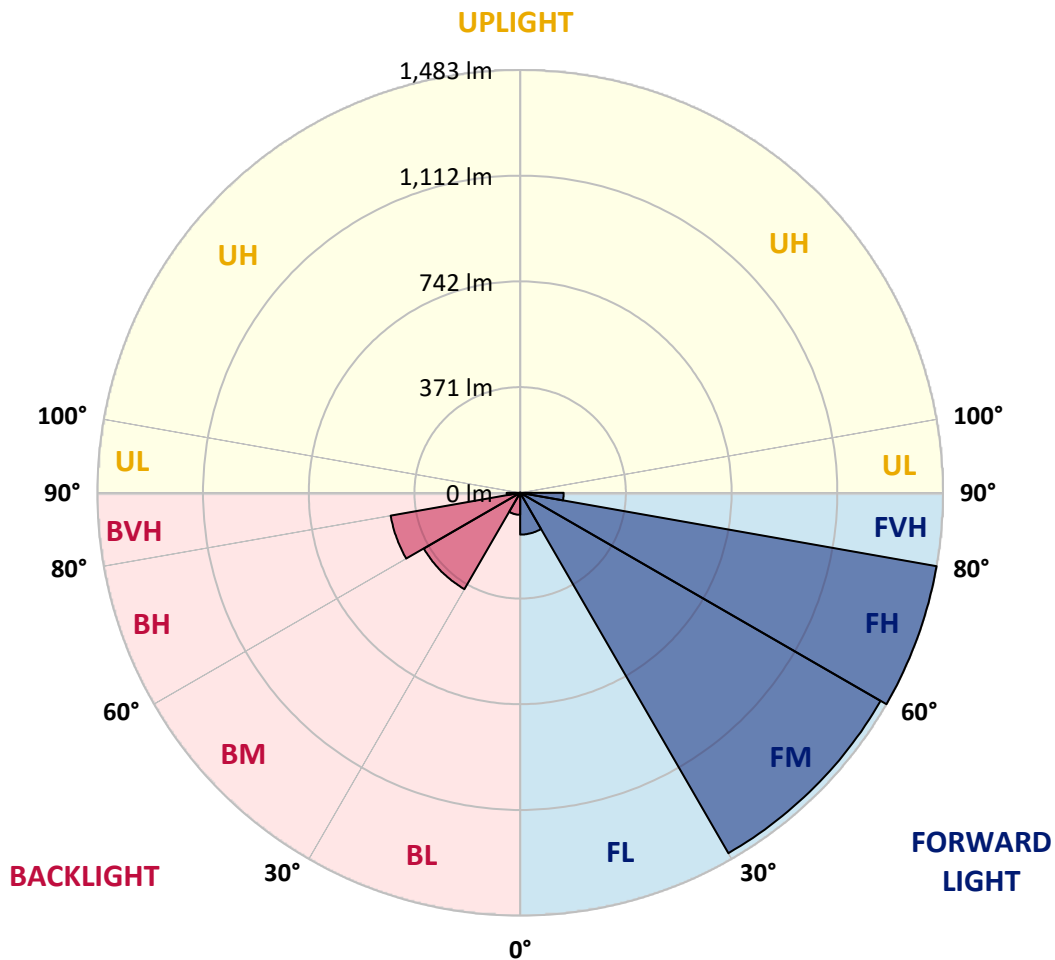
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.5	3.5			
FM (30°-60°)	1459.9	34.6			
FH (60°-80°)	1483.3	35.2			G1/1800
FVH (80°-90°)	152.5	3.6			G2/225
BL (0°-30°)	77.1	1.8	B0/110		
BM (30°-60°)	390.2	9.3	B1/1000		
BH (60°-80°)	461.3	10.9	B1/500		G1/500
BVH (80°-90°)	47.1	1.1			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°	60°	65°	75°	85°
0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
2.5°	192.2	192.2	192.2	190.4	190.4	188.6	185.1	185.1	183.3	181.5	179.7
5°	202.8	202.8	202.8	201.1	201.1	199.3	195.7	195.7	193.9	190.4	186.8
7.5°	211.7	213.5	211.7	211.7	210.0	208.2	204.6	202.8	201.1	197.5	192.2
10°	231.3	229.5	227.8	226.0	222.4	218.9	215.3	213.5	211.7	206.4	199.3
12.5°	249.1	247.3	247.3	243.8	240.2	234.9	229.5	227.8	226.0	218.9	210.0
15°	268.7	268.7	266.9	265.1	261.6	256.2	247.3	243.8	242.0	233.1	218.9
17.5°	302.5	302.5	298.9	297.1	291.8	288.3	277.6	272.2	265.1	254.4	238.4
20°	343.4	343.4	343.4	343.4	332.7	318.5	307.8	302.5	293.6	277.6	259.8
22.5°	393.2	393.2	391.5	395.0	387.9	357.6	339.9	332.7	323.8	307.8	286.5
25°	475.1	476.9	471.5	466.2	448.4	421.7	391.5	386.1	379.0	350.5	323.8
27.5°	542.7	544.5	555.2	553.4	521.3	494.7	473.3	459.1	450.2	400.4	364.8
30°	642.3	642.3	654.8	654.8	628.1	590.7	576.5	558.7	532.0	464.4	409.2
32.5°	818.5	814.9	827.4	779.3	756.2	713.5	697.5	667.3	624.5	544.5	468.0
35°	1039.1	1033.8	1033.8	953.7	889.7	864.8	822.1	802.5	749.1	642.3	539.1
37.5°	1154.8	1154.8	1170.8	1094.3	1039.1	994.6	959.1	941.3	891.4	761.6	622.8
40°	1234.9	1242.0	1259.8	1201.1	1167.2	1108.5	1097.9	1069.4	1026.7	887.9	722.4
42.5°	1293.6	1300.7	1320.3	1282.9	1263.3	1218.8	1218.8	1192.2	1161.9	1014.2	831.0
45°	1323.8	1329.2	1341.6	1357.6	1329.2	1316.7	1332.7	1309.6	1284.7	1140.6	950.2
47.5°	1386.1	1389.7	1361.2	1380.8	1382.5	1403.9	1432.4	1423.5	1402.1	1256.2	1065.8
50°	1396.8	1402.1	1403.9	1405.7	1441.3	1462.6	1516.0	1532.0	1507.1	1364.8	1183.3
52.5°	1443.0	1430.6	1403.9	1462.6	1457.3	1505.3	1588.9	1628.1	1601.4	1471.5	1291.8
55°	1647.7	1610.3	1540.9	1556.9	1544.5	1619.2	1713.5	1738.4	1706.4	1574.7	1389.7
57.5°	1722.4	1686.8	1626.3	1638.8	1644.1	1727.7	1845.2	1855.8	1830.9	1677.9	1485.7
60°	1708.2	1670.8	1617.4	1658.3	1677.9	1777.6	1935.9	1959.1	1948.4	1775.8	1585.4
62.5°	1701.0	1661.9	1569.4	1635.2	1649.4	1781.1	1969.7	2024.9	2021.3	1855.8	1665.5
64°	1661.9	1628.1	1540.9	1592.5	1615.6	1761.5	1966.2	2037.3	2035.6	1889.7	1695.7
65°	1610.3	1587.2	1512.4	1555.1	1588.9	1738.4	1953.7	2033.8	2030.2	1900.3	1708.2
67.5°	1450.2	1443.0	1411.0	1460.8	1516.0	1667.2	1889.7	1980.4	1987.5	1889.7	1708.2
70°	1314.9	1307.8	1275.8	1345.2	1403.9	1555.1	1784.7	1873.6	1882.5	1814.9	1656.6
72.5°	1183.3	1181.5	1131.7	1208.2	1259.8	1403.9	1628.1	1713.5	1726.0	1677.9	1546.2
75°	1032.0	1035.6	987.5	1037.4	1089.0	1217.1	1414.6	1498.2	1508.9	1480.4	1373.6
77.5°	859.4	861.2	820.3	857.6	909.2	1007.1	1183.3	1238.4	1258.0	1234.9	1140.6
80°	667.3	672.6	633.4	658.4	693.9	772.2	905.7	943.0	944.8	927.0	852.3
82.5°	482.2	464.4	428.8	448.4	484.0	516.0	597.9	608.5	599.6	578.3	519.6
85°	220.6	202.8	204.6	226.0	227.8	210.0	233.1	222.4	218.9	197.5	181.5
87.5°	8.9	7.1	7.1	7.1	5.3	3.6	5.3	3.6	3.6	3.6	3.6
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°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
2.5°	179.7	177.9	176.2	176.2	174.4	174.4	172.6	172.6	170.8	170.8	170.8
5°	185.1	183.3	179.7	177.9	174.4	172.6	170.8	167.3	165.5	165.5	165.5
7.5°	190.4	186.8	183.3	179.7	174.4	170.8	165.5	161.9	160.1	158.4	158.4
10°	195.7	193.9	186.8	179.7	174.4	167.3	161.9	158.4	156.6	154.8	154.8
12.5°	204.6	201.1	192.2	183.3	174.4	167.3	161.9	156.6	151.2	149.5	149.5
15°	213.5	208.2	197.5	185.1	174.4	167.3	158.4	151.2	145.9	142.3	142.3
17.5°	229.5	224.2	210.0	192.2	179.7	167.3	156.6	147.7	142.3	138.8	138.8
20°	250.9	242.0	222.4	201.1	185.1	169.0	156.6	145.9	137.0	133.5	131.7
22.5°	275.8	265.1	238.4	211.7	190.4	170.8	156.6	144.1	133.5	126.3	126.3
25°	306.0	291.8	256.2	226.0	197.5	174.4	158.4	142.3	131.7	124.6	124.6
27.5°	341.6	322.1	277.6	243.8	208.2	179.7	158.4	142.3	131.7	126.3	124.6
30°	380.8	357.6	302.5	259.8	218.9	183.3	160.1	140.6	129.9	126.3	126.3
32.5°	427.0	398.6	332.7	277.6	229.5	188.6	160.1	138.8	128.1	126.3	126.3
35°	485.8	446.6	364.8	297.1	240.2	193.9	160.1	138.8	128.1	122.8	122.8
37.5°	560.5	505.3	403.9	320.3	252.7	199.3	161.9	140.6	128.1	121.0	121.0
40°	647.7	574.7	450.2	347.0	266.9	206.4	165.5	140.6	128.1	121.0	119.2
42.5°	738.4	656.6	501.8	379.0	284.7	213.5	167.3	142.3	126.3	119.2	117.4
45°	843.4	749.1	562.3	416.4	304.3	222.4	170.8	144.1	124.6	117.4	115.7
47.5°	955.5	847.0	631.7	459.1	323.8	231.3	174.4	144.1	122.8	115.7	113.9
50°	1065.8	950.2	711.7	505.3	347.0	242.0	177.9	144.1	122.8	113.9	112.1
52.5°	1167.2	1048.0	788.2	551.6	371.9	252.7	181.5	144.1	121.0	112.1	110.3
55°	1263.3	1138.8	864.8	601.4	402.1	265.1	185.1	142.3	119.2	110.3	108.5
57.5°	1354.1	1227.7	937.7	654.8	432.4	279.4	188.6	140.6	115.7	106.8	106.8
60°	1444.8	1311.4	1003.5	702.8	460.8	288.3	190.4	138.8	113.9	103.2	103.2
62.5°	1524.9	1382.5	1060.5	743.8	484.0	295.4	190.4	135.2	108.5	99.6	97.9
64°	1558.7	1412.8	1085.4	763.3	492.9	298.9	188.6	131.7	105.0	96.1	96.1
65°	1574.7	1425.2	1097.9	772.2	498.2	298.9	186.8	128.1	103.2	94.3	92.5
67.5°	1583.6	1432.4	1108.5	779.3	498.2	293.6	179.7	121.0	96.1	85.4	85.4
70°	1539.1	1396.8	1083.6	763.3	485.8	282.9	167.3	110.3	87.2	78.3	78.3
72.5°	1437.7	1311.4	1017.8	717.1	450.2	261.6	153.0	99.6	78.3	69.4	69.4
75°	1275.8	1158.3	900.3	633.4	396.8	229.5	133.5	87.2	67.6	62.3	60.5
77.5°	1055.1	968.0	745.5	517.8	327.4	186.8	108.5	71.2	56.9	51.6	51.6
80°	781.1	717.1	540.9	377.2	240.2	138.8	81.8	55.2	44.5	40.9	40.9
82.5°	468.0	430.6	314.9	226.0	147.7	87.2	55.2	37.4	32.0	30.2	30.2
85°	161.9	151.2	105.0	83.6	67.6	42.7	28.5	21.4	21.4	17.8	17.8
87.5°	3.6	7.1	7.1	10.7	10.7	10.7	8.9	7.1	8.9	8.9	8.9
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)