

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: P553735

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-10-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-AST-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE IV OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4818 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

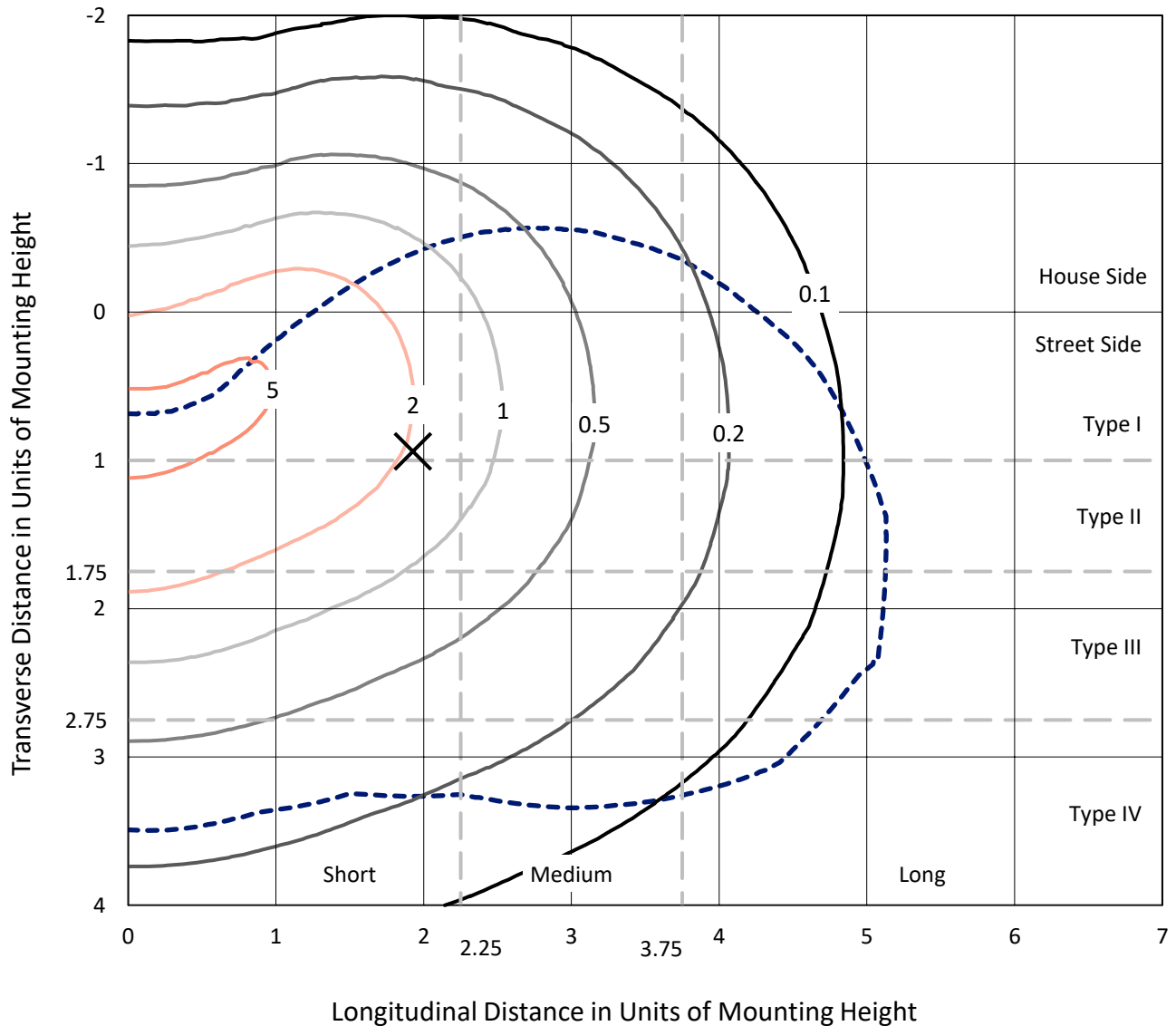
Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

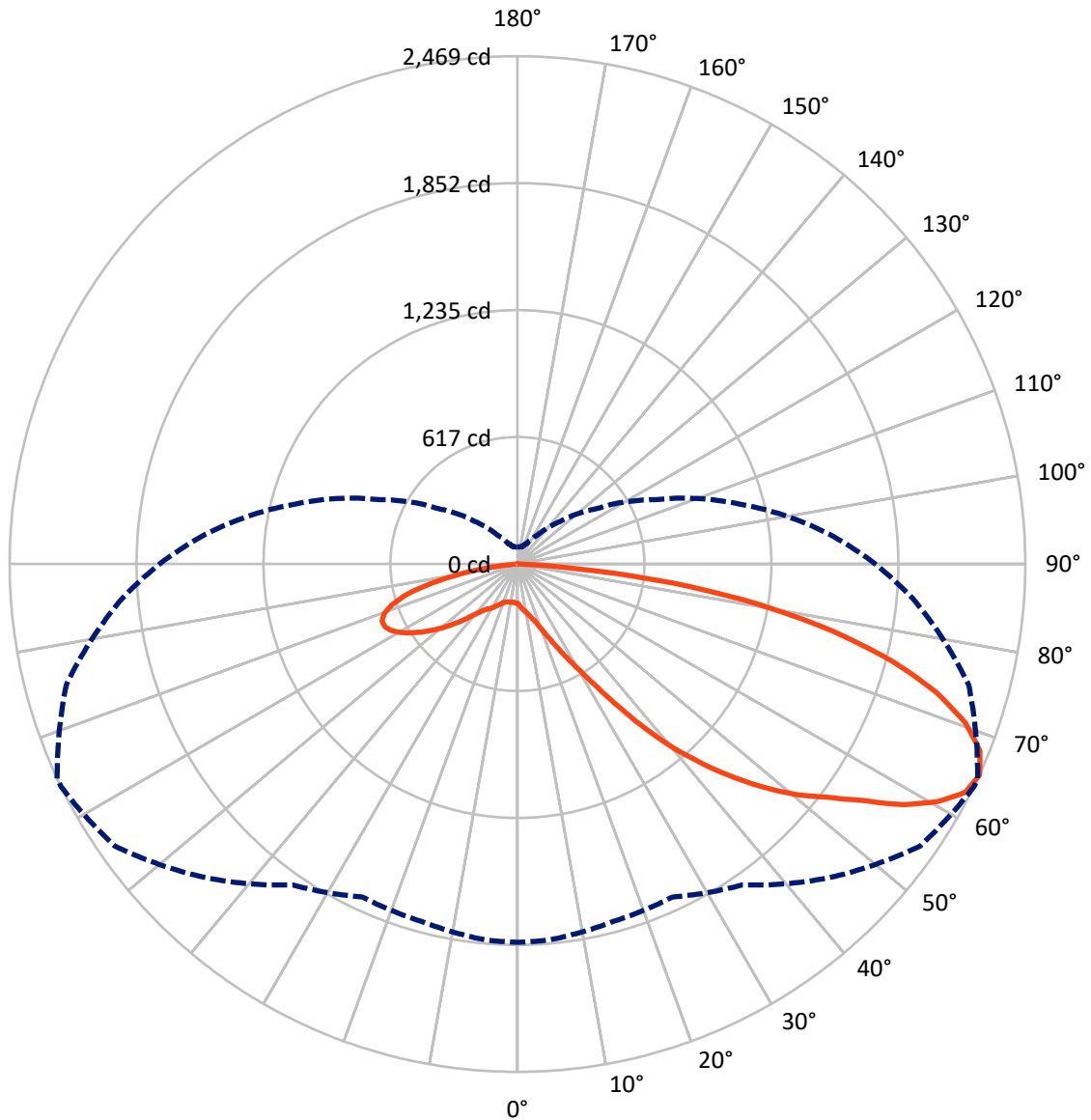
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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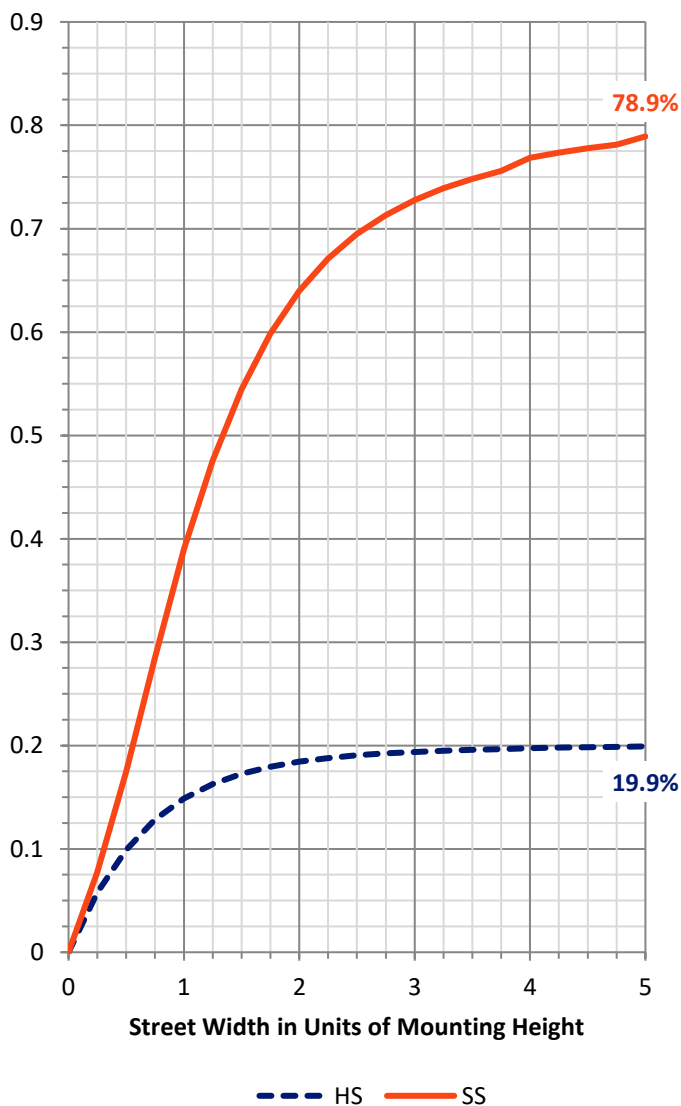
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.8	0.0	963.8
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	3854.2	0.0	3854.2
	% Fixture	80.0	0.0	80.0
Total	Lumens	4818.0	0.0	4818.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.4
10°-20°	69.0	1.4
20°-30°	163.0	3.4
30°-40°	385.0	8.0
40°-50°	699.4	14.5
50°-60°	1031.9	21.4
60°-70°	1253.6	26.0
70°-80°	972.6	20.2
80°-90°	223.9	4.6
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°	4818.0	100.0
0°-180°	4818.0	100.0

Coefficient of Utilization



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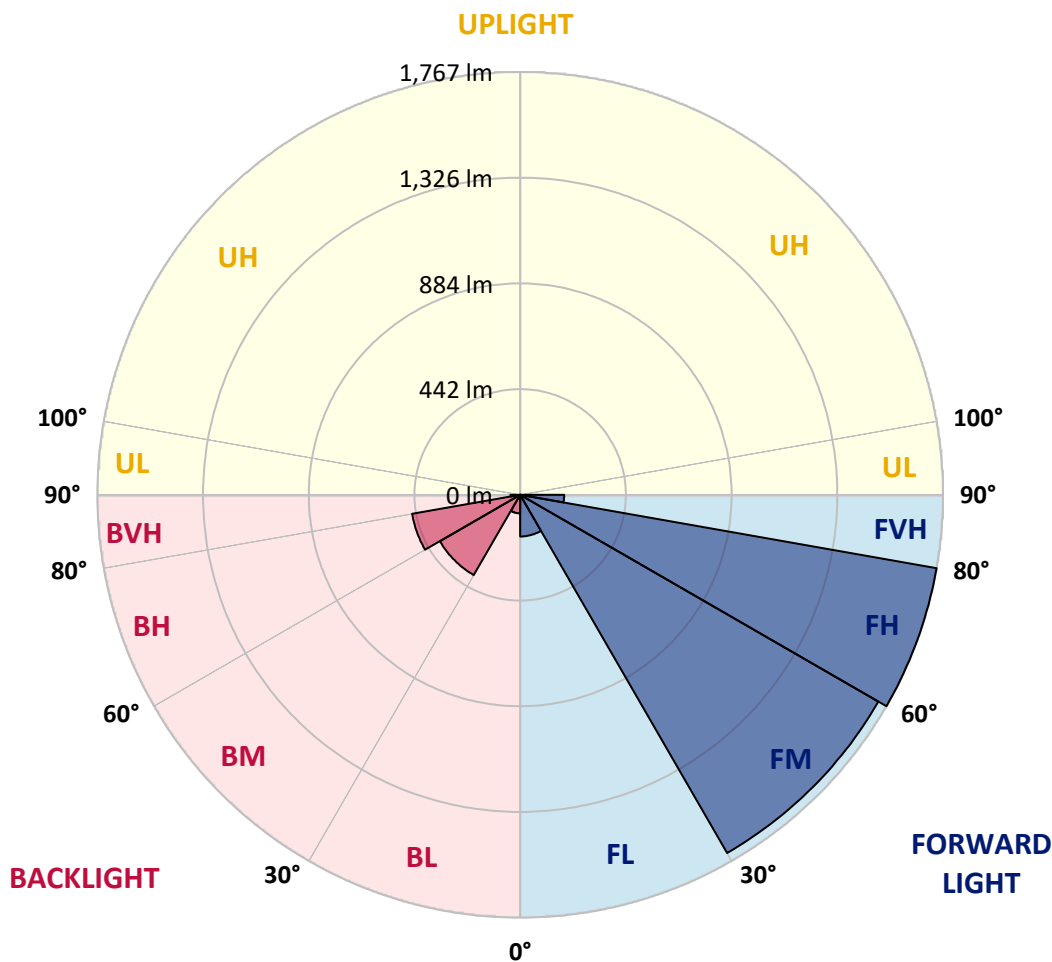
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.0	3.6			
FM (30°-60°)	1728.9	35.9			
FH (60°-80°)	1767.5	36.7			G1/1800
FVH (80°-90°)	183.8	3.8			G2/225
BL (0°-30°)	77.6	1.6	B0/110		
BM (30°-60°)	387.4	8.0	B1/1000		
BH (60°-80°)	458.7	9.5	B1/500		G1/500
BVH (80°-90°)	40.1	0.8			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°	64°	65°	75°	85°
0°	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1
2.5°	213.1	215.1	213.1	213.1	211.2	209.3	205.5	201.6	201.6	199.7	195.9
5°	232.3	234.3	232.3	230.4	228.5	224.7	218.9	215.1	215.1	207.4	201.6
7.5°	251.5	251.5	251.5	247.7	243.9	240.0	232.3	226.6	226.6	218.9	209.3
10°	276.5	276.5	276.5	270.7	263.1	257.3	247.7	240.0	240.0	228.5	217.0
12.5°	305.3	307.2	303.4	299.6	291.9	280.3	266.9	257.3	257.3	243.9	226.6
15°	334.1	336.0	330.3	328.4	322.6	309.2	290.0	276.5	274.6	259.2	238.1
17.5°	378.3	380.2	374.4	366.8	355.2	345.6	322.6	301.5	299.6	278.4	251.5
20°	435.9	437.8	432.0	422.4	403.2	389.8	368.7	339.9	338.0	307.2	274.6
22.5°	505.0	508.9	497.3	482.0	466.6	445.5	418.6	389.8	386.0	345.6	305.3
25°	608.7	614.5	587.6	558.8	533.8	520.4	480.1	447.4	445.5	384.0	339.9
27.5°	708.6	706.6	689.4	666.3	616.4	597.2	556.9	518.5	520.4	439.7	380.2
30°	852.6	850.7	814.2	787.3	754.6	695.1	664.4	604.9	604.9	516.5	435.9
32.5°	1067.6	1065.7	1023.5	952.4	906.3	837.2	791.1	714.3	712.4	610.6	505.0
35°	1344.1	1338.4	1269.3	1173.2	1075.3	1025.4	933.2	858.3	850.7	722.0	593.3
37.5°	1482.4	1476.6	1426.7	1346.1	1252.0	1179.0	1092.6	1021.5	1011.9	854.5	689.4
40°	1566.9	1566.9	1530.4	1463.2	1401.7	1319.2	1263.5	1182.8	1169.4	1004.3	802.6
42.5°	1624.5	1624.5	1601.5	1549.6	1517.0	1463.2	1419.0	1334.5	1323.0	1156.0	929.4
45°	1641.8	1639.9	1626.4	1620.7	1591.8	1597.6	1565.0	1482.4	1470.9	1305.7	1063.8
47.5°	1693.6	1693.6	1647.5	1639.9	1655.2	1705.1	1697.5	1628.3	1618.7	1445.9	1200.1
50°	1691.7	1693.6	1693.6	1653.3	1718.6	1776.2	1808.8	1762.7	1757.0	1580.3	1332.6
52.5°	1716.7	1714.7	1687.9	1710.9	1741.6	1830.0	1902.9	1883.7	1878.0	1705.1	1455.5
55°	1926.0	1906.8	1851.1	1808.8	1851.1	1975.9	2058.5	2027.7	2012.4	1833.8	1568.8
57.5°	2002.8	1993.2	1950.9	1897.2	1968.2	2116.1	2229.4	2208.2	2181.4	1968.2	1680.2
60°	1968.2	1962.4	1939.4	1908.7	2004.7	2179.4	2344.6	2346.5	2336.9	2096.9	1791.6
62.5°	1945.2	1935.6	1874.1	1878.0	1972.0	2192.9	2394.5	2444.4	2440.6	2204.4	1876.0
65°	1839.6	1833.8	1799.2	1785.8	1904.8	2154.5	2390.7	2469.4	2469.4	2271.6	1929.8
67.5°	1653.3	1662.9	1672.5	1674.4	1814.6	2075.7	2321.5	2425.2	2431.0	2273.5	1929.8
70°	1488.2	1493.9	1499.7	1541.9	1680.2	1947.1	2196.7	2310.0	2319.6	2196.7	1872.2
72.5°	1336.5	1344.1	1334.5	1382.5	1507.4	1766.6	2012.4	2127.6	2142.9	2035.4	1751.2
75°	1161.7	1163.6	1159.8	1180.9	1303.8	1545.8	1772.3	1879.9	1887.6	1810.8	1561.1
77.5°	963.9	973.5	960.1	973.5	1088.8	1286.5	1490.1	1566.9	1586.1	1503.5	1294.2
80°	748.9	754.6	735.4	745.0	825.7	1000.4	1148.3	1190.5	1209.7	1131.0	967.8
82.5°	512.7	522.3	491.6	506.9	574.1	683.6	768.1	764.2	781.5	706.6	595.3
85°	217.0	230.4	224.7	236.2	268.8	290.0	313.0	278.4	280.3	261.1	213.1
87.5°	5.8	5.8	5.8	3.8	3.8	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°	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1
2.5°	193.9	193.9	192.0	190.1	188.2	186.3	184.3	184.3	182.4	182.4	182.4
5°	199.7	197.8	192.0	188.2	184.3	180.5	178.6	174.7	174.7	172.8	172.8
7.5°	205.5	201.6	195.9	188.2	182.4	176.7	170.9	167.1	165.1	165.1	165.1
10°	211.2	207.4	197.8	190.1	180.5	172.8	167.1	163.2	161.3	161.3	159.4
12.5°	220.8	213.1	201.6	190.1	178.6	170.9	165.1	159.4	157.5	155.5	153.6
15°	228.5	220.8	207.4	192.0	178.6	169.0	161.3	153.6	149.8	147.9	147.9
17.5°	240.0	230.4	213.1	193.9	180.5	167.1	157.5	149.8	145.9	144.0	144.0
20°	259.2	247.7	222.7	199.7	184.3	167.1	155.5	147.9	142.1	138.3	138.3
22.5°	284.2	268.8	238.1	209.3	188.2	169.0	155.5	144.0	136.3	134.4	132.5
25°	313.0	291.9	253.5	220.8	192.0	170.9	153.6	140.2	132.5	130.6	128.7
27.5°	341.8	318.8	270.7	234.3	199.7	172.8	153.6	138.3	130.6	126.7	124.8
30°	389.8	351.4	290.0	247.7	207.4	176.7	153.6	136.3	126.7	122.9	122.9
32.5°	441.6	397.5	313.0	261.1	217.0	180.5	153.6	134.4	124.8	121.0	119.1
35°	516.5	451.2	347.6	270.7	226.6	184.3	153.6	134.4	122.9	117.1	117.1
37.5°	601.0	528.1	386.0	291.9	234.3	188.2	153.6	132.5	119.1	115.2	113.3
40°	699.0	604.9	439.7	320.7	243.9	193.9	157.5	132.5	119.1	113.3	113.3
42.5°	806.5	697.0	503.1	355.2	259.2	201.6	159.4	132.5	117.1	111.4	111.4
45°	919.8	800.7	570.3	399.4	282.3	209.3	161.3	130.6	115.2	109.5	107.5
47.5°	1046.5	906.3	641.3	443.6	305.3	215.1	163.2	130.6	113.3	107.5	105.6
50°	1165.6	1021.5	720.1	491.6	330.3	224.7	167.1	128.7	111.4	105.6	103.7
52.5°	1280.8	1125.2	802.6	539.6	359.1	240.0	169.0	128.7	109.5	101.8	101.8
55°	1390.2	1225.1	881.4	587.6	391.7	255.4	170.9	128.7	107.5	99.9	99.9
57.5°	1488.2	1324.9	954.3	635.6	420.5	270.7	170.9	124.8	103.7	97.9	96.0
60°	1591.8	1417.1	1023.5	679.8	445.5	282.3	172.8	122.9	99.9	92.2	92.2
62.5°	1682.1	1492.0	1081.1	716.2	460.8	290.0	174.7	119.1	96.0	88.3	88.3
65°	1739.7	1541.9	1123.3	739.3	468.5	291.9	172.8	111.4	88.3	82.6	82.6
67.5°	1749.3	1553.4	1134.8	743.1	462.8	286.1	167.1	101.8	82.6	74.9	74.9
70°	1699.4	1511.2	1108.0	720.1	443.6	268.8	155.5	92.2	73.0	65.3	65.3
72.5°	1586.1	1413.3	1038.8	668.2	405.2	243.9	140.2	82.6	63.4	57.6	57.6
75°	1407.5	1253.9	915.9	585.7	351.4	209.3	119.1	71.0	51.8	48.0	48.0
77.5°	1157.9	1031.1	754.6	468.5	276.5	165.1	96.0	57.6	40.3	38.4	38.4
80°	858.3	754.6	539.6	324.5	188.2	113.3	69.1	42.2	28.8	26.9	26.9
82.5°	512.7	443.6	309.2	184.3	97.9	63.4	40.3	26.9	17.3	15.4	15.4
85°	172.8	145.9	92.2	51.8	25.0	17.3	11.5	11.5	7.7	5.8	3.8
87.5°	1.9	1.9	1.9	1.9	1.9	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)