

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: P553727

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

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553727  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-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-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE III OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4024 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

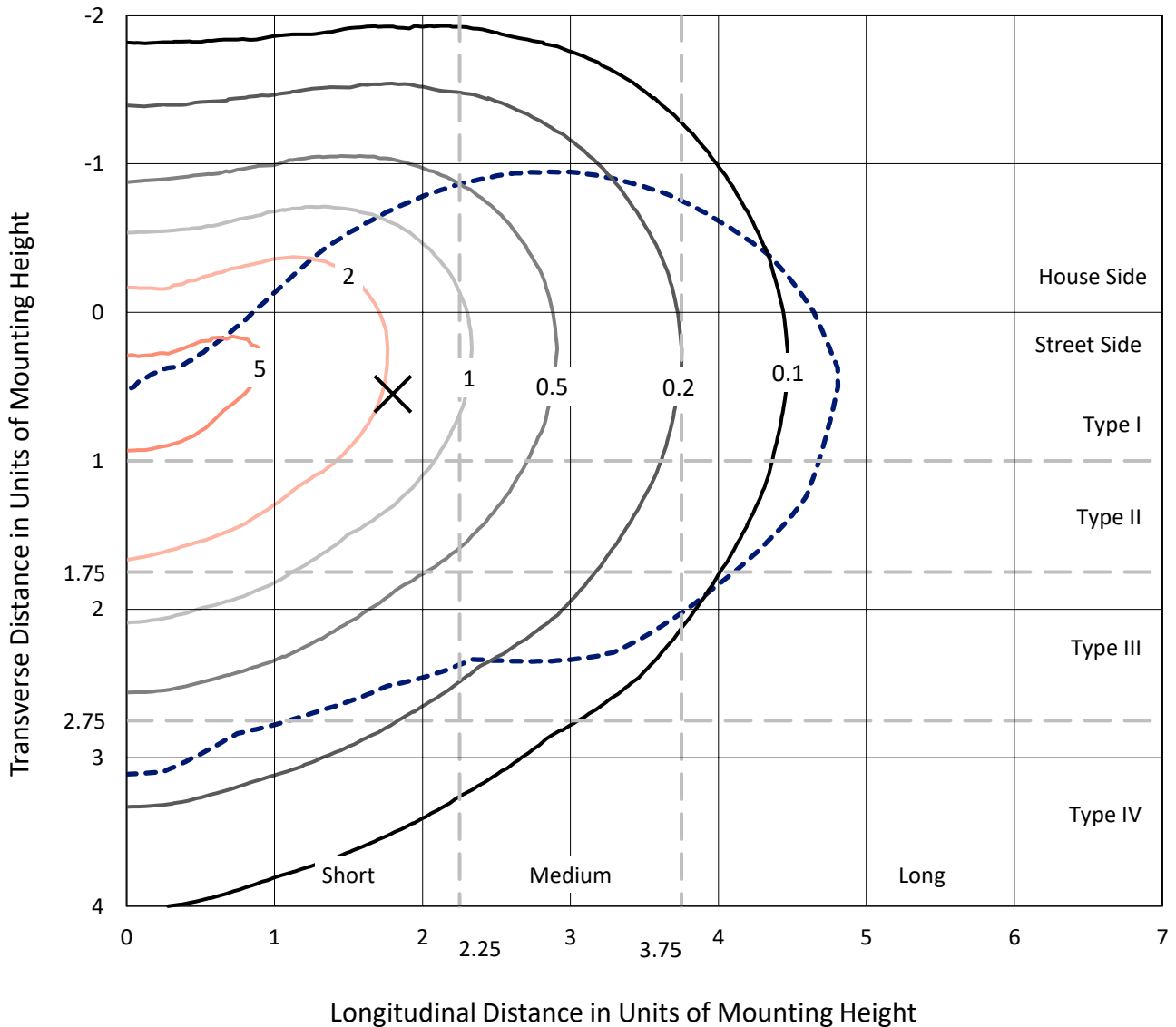
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

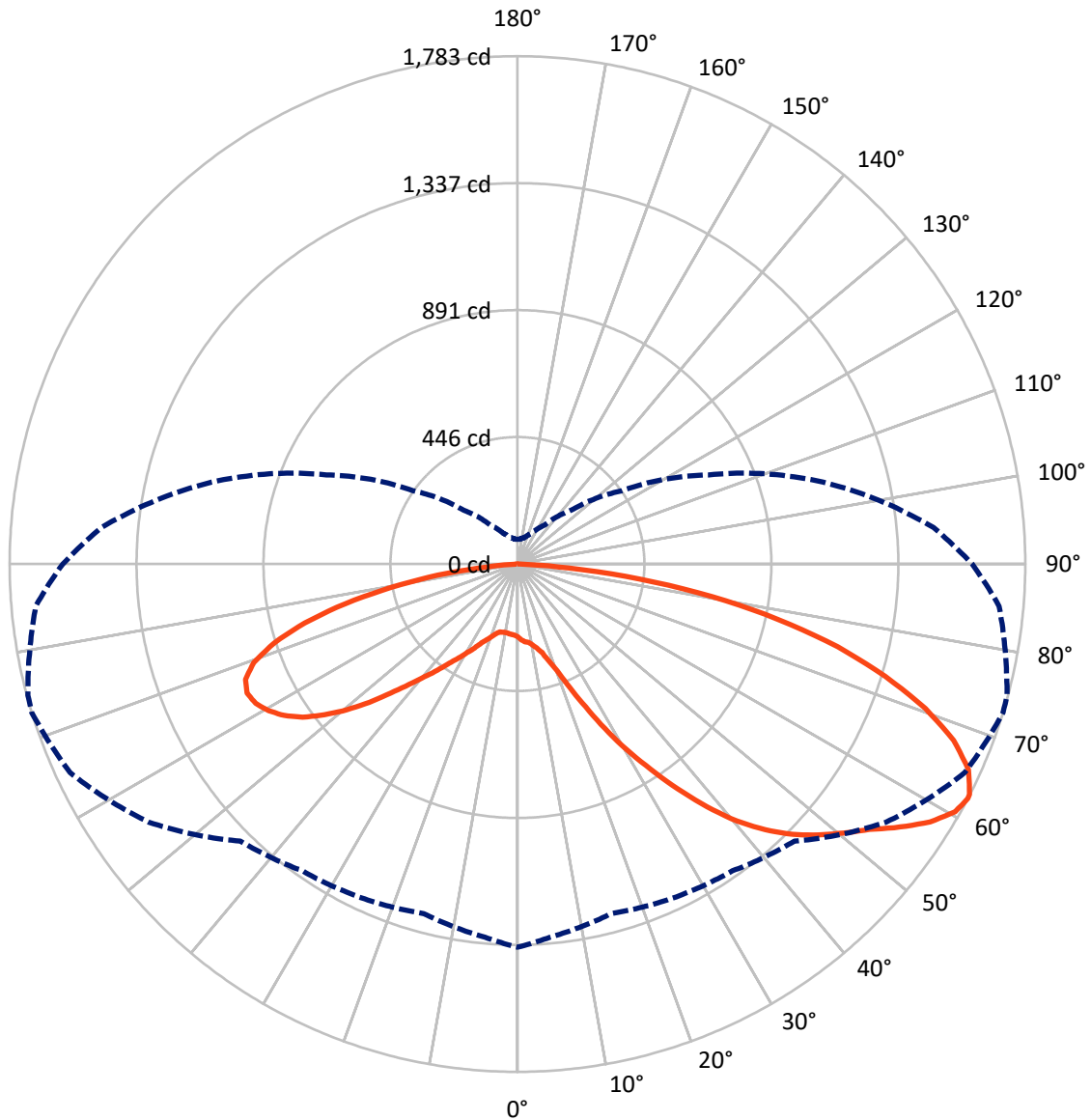
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 62-Deg Vertical

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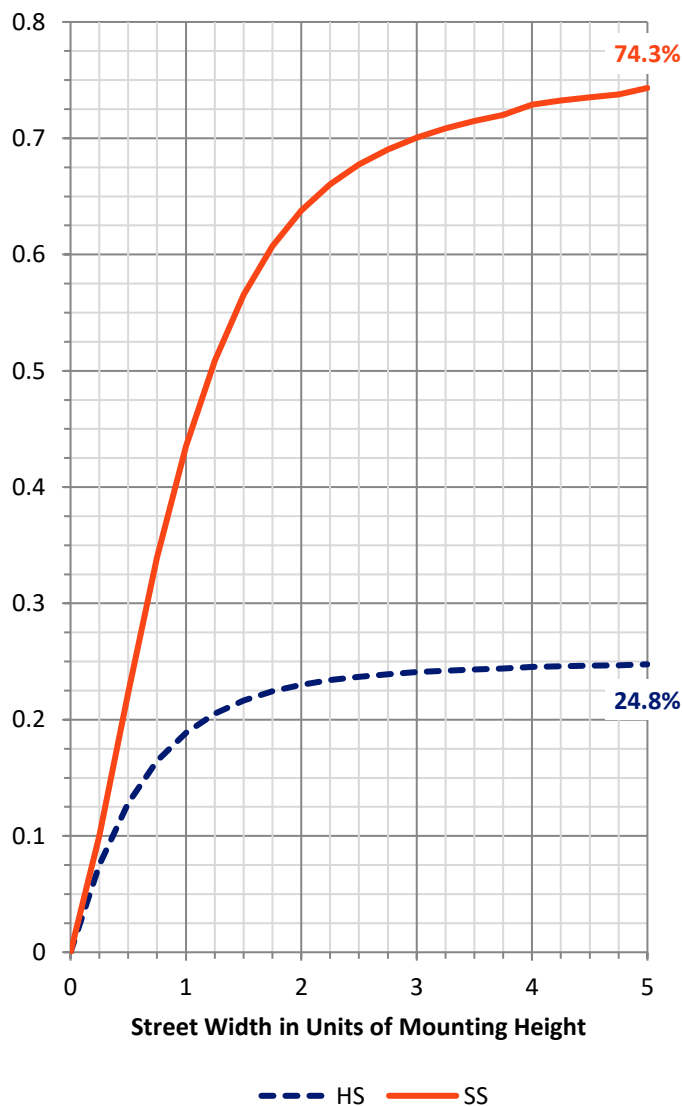
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1003.7	0.0	1003.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	3020.3	0.0	3020.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	4024.0	0.0	4024.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.6	0.6
10°-20°	93.2	2.3
20°-30°	228.5	5.7
30°-40°	428.1	10.6
40°-50°	643.0	16.0
50°-60°	868.0	21.6
60°-70°	930.3	23.1
70°-80°	655.6	16.3
80°-90°	151.7	3.8
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°	4024.0	100.0
0°-180°	4024.0	100.0

**Coefficient of Utilization**



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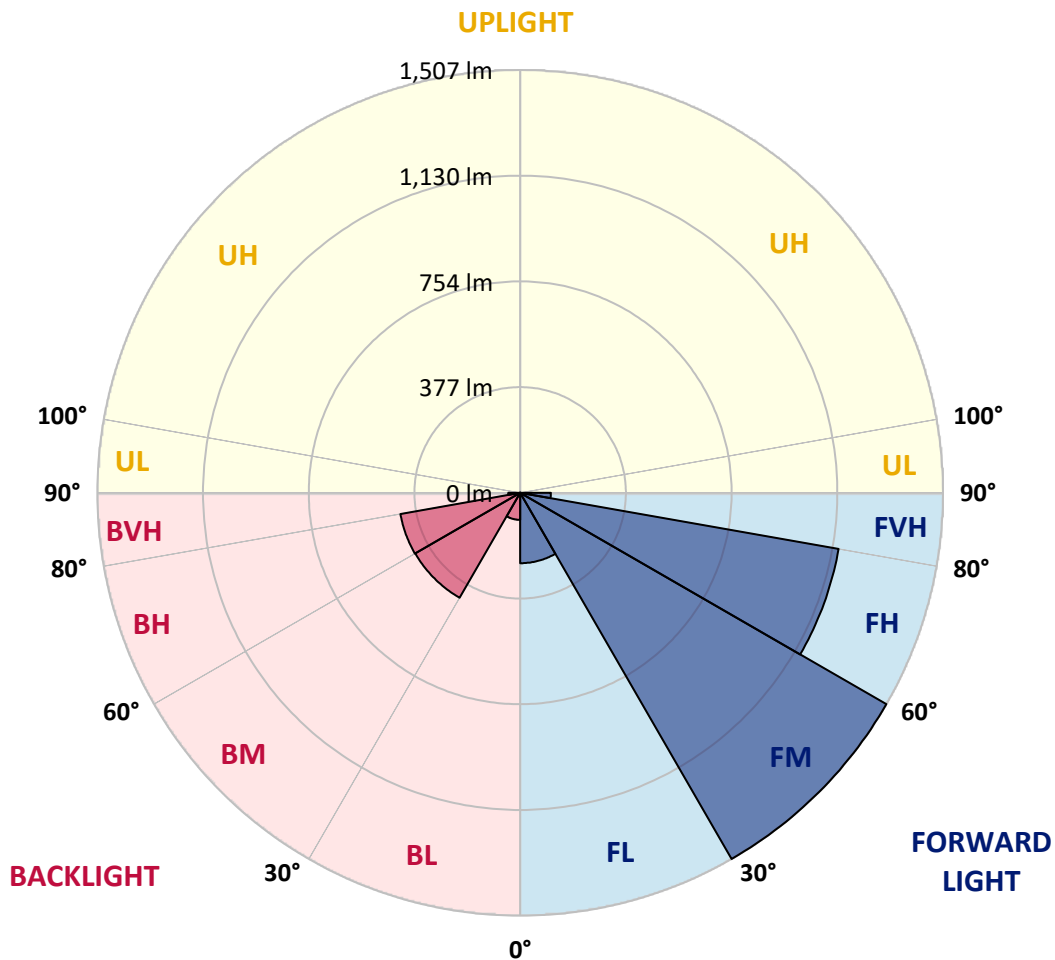
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.9	6.2			
FM	(30°-60°)	1507.2	37.5			
FH	(60°-80°)	1152.5	28.6			G1/1800
FVH	(80°-90°)	109.6	2.7			G2/225
BL	(0°-30°)	96.4	2.4	B0/110		
BM	(30°-60°)	431.9	10.7	B1/1000		
BH	(60°-80°)	433.4	10.8	B1/500		G1/500
BVH	(80°-90°)	42.1	1.0			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
2.5°	290.0	288.2	288.2	286.4	282.9	279.3	275.7	270.4	266.8	265.1	259.7
5°	316.7	314.9	313.1	307.8	302.4	295.3	288.2	281.1	274.0	272.2	263.3
7.5°	346.9	345.1	341.6	329.1	316.7	306.0	295.3	286.4	277.5	275.7	265.1
10°	386.0	384.3	375.4	357.6	338.0	322.0	307.8	297.1	288.2	284.6	270.4
12.5°	421.6	419.8	405.6	384.3	366.5	348.7	329.1	314.9	302.4	298.9	279.3
15°	510.6	507.0	492.8	443.0	416.3	393.2	368.3	341.6	322.0	316.7	290.0
17.5°	690.2	686.7	676.0	594.2	524.8	469.7	428.7	389.6	357.6	352.2	316.7
20°	757.8	763.2	782.8	761.4	684.9	567.5	501.7	450.1	400.3	391.4	346.9
22.5°	800.5	809.4	848.6	852.1	816.6	699.1	587.1	526.6	469.7	453.6	389.6
25°	830.8	845.0	912.6	934.0	900.2	820.1	711.6	631.5	555.0	537.3	446.5
27.5°	862.8	877.0	953.5	985.6	964.2	903.7	855.7	745.4	654.7	628.0	515.9
30°	946.4	951.8	1033.6	1037.2	1015.8	990.9	976.7	853.9	756.1	727.6	590.6
32.5°	1083.4	1074.5	1140.3	1117.2	1072.7	1071.0	1067.4	969.5	859.3	830.8	674.2
35°	1183.0	1184.8	1243.5	1191.9	1147.4	1135.0	1145.7	1079.8	969.5	935.7	772.1
37.5°	1232.8	1238.2	1289.8	1261.3	1213.3	1193.7	1218.6	1177.7	1081.6	1046.0	871.7
40°	1275.5	1280.9	1305.8	1300.4	1268.4	1238.2	1279.1	1263.1	1186.6	1156.3	976.7
42.5°	1289.8	1291.5	1282.7	1318.2	1289.8	1272.0	1325.3	1336.0	1275.5	1254.2	1083.4
45°	1257.7	1270.2	1259.5	1300.4	1302.2	1296.9	1364.5	1396.5	1353.8	1332.5	1186.6
47.5°	1232.8	1238.2	1250.6	1314.7	1314.7	1304.0	1394.7	1442.8	1421.4	1405.4	1275.5
50°	1339.6	1323.6	1280.9	1368.0	1348.5	1341.4	1437.4	1492.6	1483.7	1469.4	1355.6
52.5°	1410.7	1384.1	1302.2	1380.5	1391.2	1396.5	1503.2	1558.4	1547.7	1533.5	1432.1
55°	1535.3	1494.4	1387.6	1409.0	1417.9	1435.6	1572.6	1638.4	1629.6	1611.8	1512.1
57.5°	1510.4	1467.7	1387.6	1414.3	1416.1	1442.8	1615.3	1707.8	1707.8	1693.6	1597.5
60°	1433.9	1391.2	1332.5	1360.9	1371.6	1417.9	1611.8	1743.4	1764.8	1754.1	1670.5
62°	1344.9	1314.7	1270.2	1293.3	1314.7	1375.2	1579.7	1732.7	1782.5	1779.0	1697.2
62.5°	1323.6	1295.1	1252.4	1275.5	1296.9	1362.7	1569.1	1725.6	1780.8	1780.8	1698.9
65°	1216.8	1200.8	1154.6	1184.8	1204.4	1273.8	1492.6	1665.1	1739.9	1752.3	1691.8
67.5°	1081.6	1088.7	1051.4	1078.1	1097.6	1165.2	1385.8	1562.0	1650.9	1672.2	1638.4
70°	982.0	976.7	942.9	960.7	985.6	1051.4	1261.3	1426.7	1519.3	1544.2	1529.9
72.5°	875.3	873.5	825.5	834.3	862.8	926.9	1117.2	1259.5	1350.3	1378.7	1389.4
75°	763.2	752.5	704.5	704.5	727.6	782.8	958.9	1069.2	1161.7	1177.7	1200.8
77.5°	640.4	631.5	578.2	585.3	594.2	642.2	779.2	859.3	935.7	951.8	969.5
80°	505.2	499.9	448.3	446.5	451.9	485.7	601.3	636.9	693.8	704.5	725.8
82.5°	354.0	346.9	307.8	300.6	300.6	322.0	396.7	412.7	432.3	439.4	448.3
85°	170.8	167.2	149.4	149.4	142.3	151.2	176.1	176.1	179.7	170.8	185.0
87.5°	5.3	5.3	5.3	5.3	3.6	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°	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2	256.2
2.5°	258.0	254.4	250.8	247.3	245.5	243.7	241.9	240.2	240.2	238.4	238.4
5°	258.0	254.4	249.1	243.7	238.4	234.8	233.0	229.5	227.7	225.9	227.7
7.5°	259.7	254.4	247.3	240.2	233.0	227.7	222.4	218.8	217.0	215.3	215.3
10°	263.3	256.2	245.5	236.6	229.5	220.6	215.3	209.9	208.1	206.4	206.4
12.5°	268.6	259.7	247.3	234.8	224.2	217.0	209.9	204.6	201.0	197.5	197.5
15°	277.5	265.1	249.1	234.8	222.4	213.5	204.6	197.5	190.4	188.6	188.6
17.5°	298.9	282.9	259.7	238.4	224.2	211.7	199.2	188.6	183.2	179.7	179.7
20°	325.6	306.0	275.7	245.5	225.9	208.1	195.7	183.2	176.1	172.6	172.6
22.5°	355.8	334.4	293.5	254.4	229.5	208.1	192.1	177.9	167.2	161.9	161.9
25°	402.1	368.3	313.1	266.8	234.8	208.1	188.6	172.6	160.1	154.8	154.8
27.5°	460.8	412.7	341.6	284.6	240.2	208.1	185.0	167.2	154.8	149.4	147.7
30°	523.0	464.3	370.0	302.4	247.3	208.1	181.5	160.1	145.9	140.5	140.5
32.5°	596.0	524.8	405.6	320.2	256.2	209.9	177.9	153.0	138.8	133.4	133.4
35°	674.2	594.2	443.0	338.0	265.1	209.9	172.6	147.7	133.4	126.3	126.3
37.5°	768.5	667.1	492.8	361.1	274.0	209.9	170.8	145.9	129.9	122.8	121.0
40°	869.9	754.3	544.4	386.0	284.6	215.3	170.8	144.1	128.1	121.0	119.2
42.5°	969.5	852.1	606.6	416.3	302.4	222.4	172.6	144.1	126.3	117.4	115.6
45°	1067.4	950.0	677.8	460.8	322.0	227.7	172.6	142.3	122.8	113.9	112.1
47.5°	1163.5	1047.8	761.4	510.6	339.8	234.8	172.6	140.5	119.2	110.3	110.3
50°	1254.2	1142.1	845.0	556.8	357.6	241.9	174.3	137.0	115.6	106.7	106.7
52.5°	1337.8	1227.5	923.3	604.9	378.9	249.1	174.3	135.2	112.1	103.2	103.2
55°	1414.3	1300.4	994.5	649.3	400.3	256.2	174.3	131.6	108.5	99.6	99.6
57.5°	1489.0	1368.0	1047.8	688.5	419.8	263.3	174.3	128.1	105.0	96.1	94.3
60°	1558.4	1430.3	1087.0	720.5	437.6	266.8	170.8	122.8	99.6	90.7	90.7
62°	1595.8	1465.9	1110.1	740.1	448.3	266.8	167.2	119.2	96.1	87.2	87.2
62.5°	1601.1	1471.2	1115.4	743.6	450.1	266.8	165.4	117.4	96.1	87.2	85.4
65°	1601.1	1476.6	1126.1	752.5	451.9	263.3	160.1	110.3	88.9	80.1	80.1
67.5°	1558.4	1441.0	1110.1	743.6	443.0	252.6	149.4	101.4	81.8	72.9	72.9
70°	1465.9	1360.9	1056.7	713.4	421.6	236.6	137.0	92.5	72.9	65.8	64.0
72.5°	1327.1	1234.6	958.9	654.7	386.0	213.5	122.8	81.8	64.0	56.9	56.9
75°	1143.9	1067.4	825.5	571.1	338.0	185.0	103.2	69.4	55.1	49.8	48.0
77.5°	923.3	853.9	660.0	462.5	277.5	153.0	85.4	56.9	46.3	40.9	40.9
80°	677.8	620.9	478.5	339.8	208.1	113.9	64.0	44.5	35.6	32.0	32.0
82.5°	409.2	391.4	298.9	211.7	131.6	74.7	44.5	30.2	24.9	23.1	23.1
85°	158.3	138.8	110.3	87.2	60.5	35.6	23.1	17.8	16.0	14.2	12.5
87.5°	1.8	5.3	7.1	8.9	10.7	8.9	7.1	5.3	7.1	7.1	7.1
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)