

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: P671362

Luminaire Tested: **CCP-SA-1F-727-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671362
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL3 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

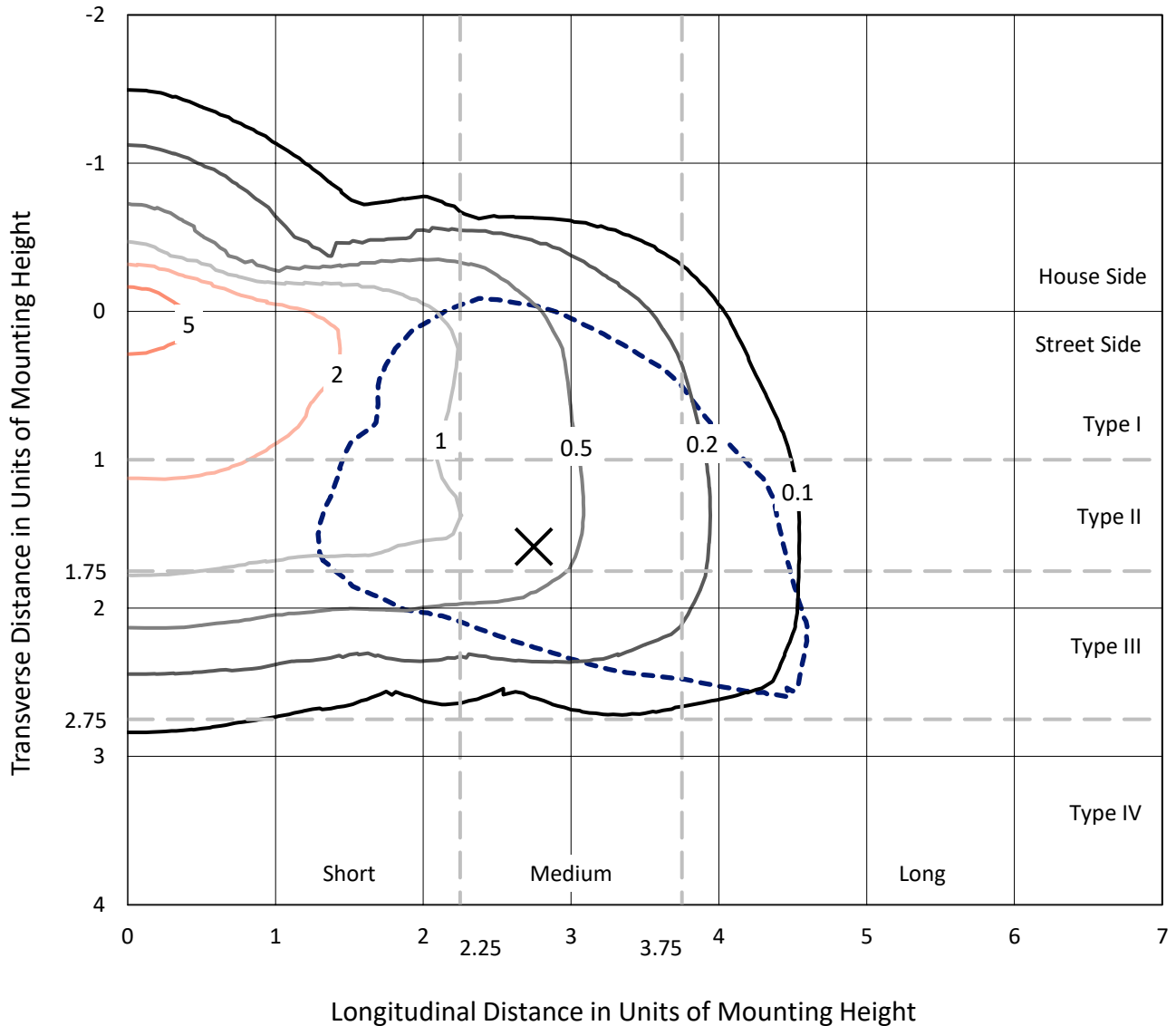
Lumens per Lamp: N/A
Luminaire Lumens: 6199.7 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

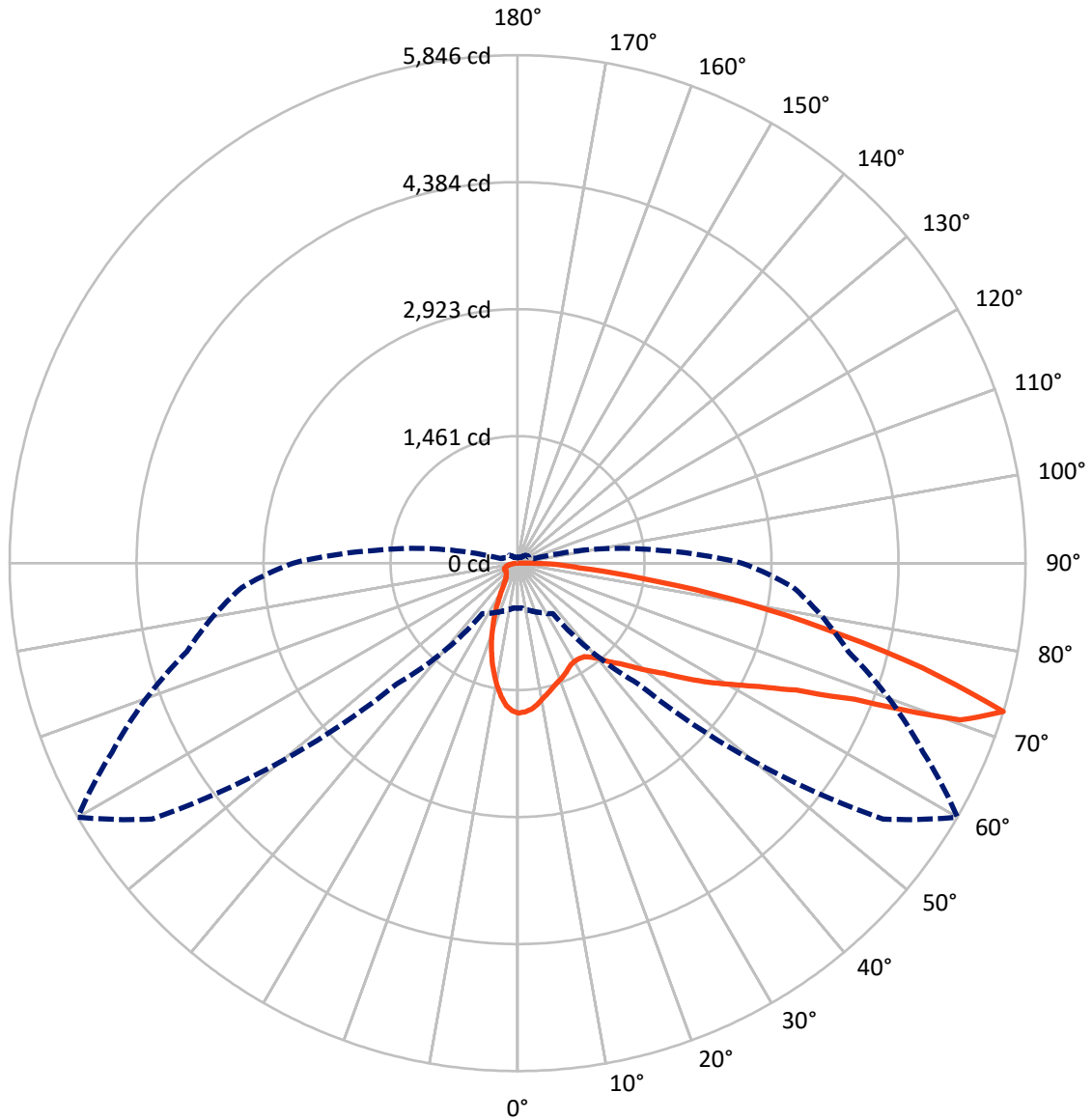
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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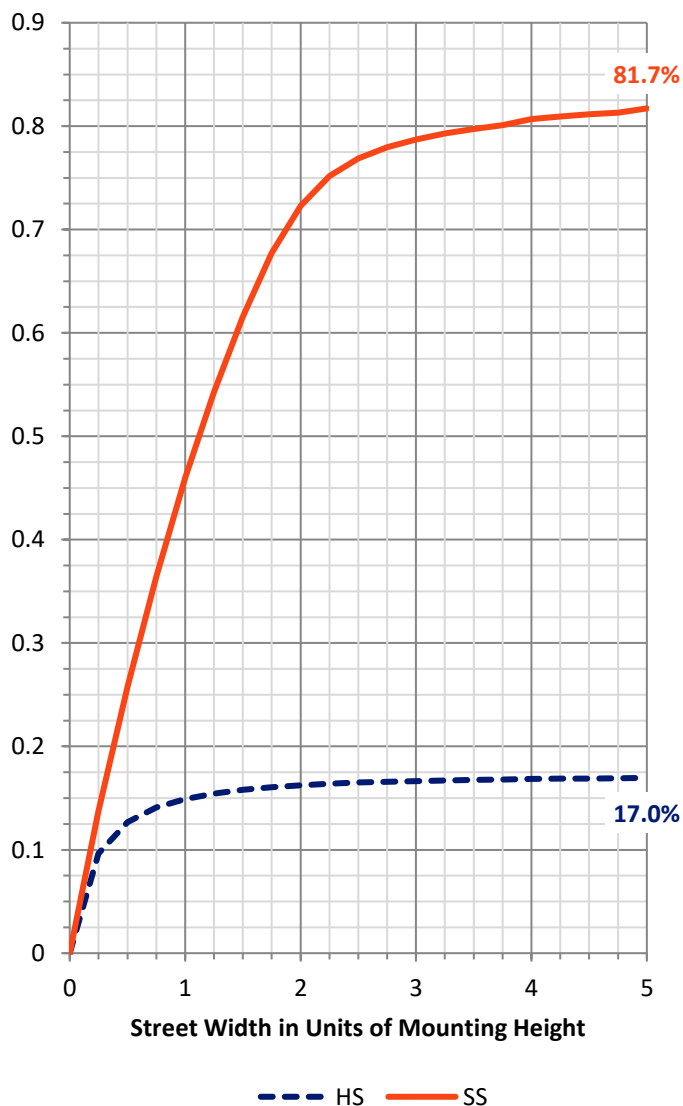
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1065.0	0.0	1065.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5134.7	0.0	5134.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	6199.7	0.0	6199.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	2.4
10°-20°	339.3	5.5
20°-30°	434.2	7.0
30°-40°	555.5	9.0
40°-50°	761.9	12.3
50°-60°	1102.0	17.8
60°-70°	1511.8	24.4
70°-80°	1134.4	18.3
80°-90°	210.8	3.4
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°	6199.7	100.0
0°-180°	6199.7	100.0



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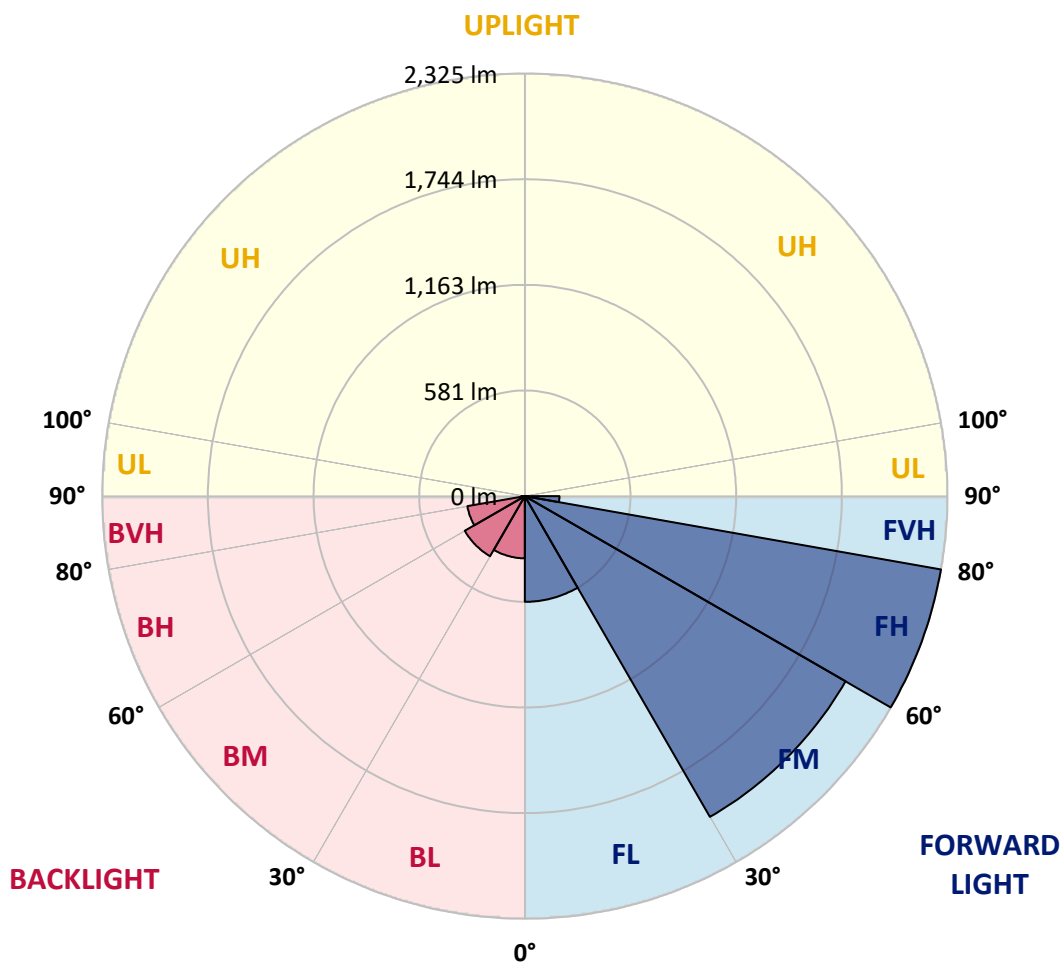
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.3	9.4			
FM (30°-60°)	2037.8	32.9			
FH (60°-80°)	2325.3	37.5			G2/5000
FVH (80°-90°)	190.3	3.1			G2/225
BL (0°-30°)	341.9	5.5	B1/500		
BM (30°-60°)	381.7	6.2	B1/1000		
BH (60°-80°)	320.9	5.2	B1/500		G1/500
BVH (80°-90°)	20.5	0.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3
2.5°	1689.4	1705.5	1710.2	1710.2	1724.0	1707.8	1730.9	1712.5	1717.1	1724.0	1719.4
5°	1608.6	1636.3	1620.1	1650.1	1638.6	1659.4	1687.1	1687.1	1680.2	1694.0	1682.5
7.5°	1530.1	1520.9	1548.6	1548.6	1567.1	1594.8	1617.8	1640.9	1643.2	1647.8	1645.5
10°	1424.0	1435.5	1449.4	1467.8	1490.9	1518.6	1567.1	1585.5	1590.1	1617.8	1610.9
12.5°	1336.3	1352.4	1361.7	1398.6	1419.4	1458.6	1514.0	1539.4	1541.7	1580.9	1580.9
15°	1271.7	1280.9	1301.7	1315.5	1361.7	1417.1	1470.1	1493.2	1518.6	1560.1	1548.6
17.5°	1227.8	1239.3	1248.6	1267.0	1310.9	1357.0	1440.1	1454.0	1484.0	1544.0	1530.1
20°	1202.4	1204.7	1218.6	1230.1	1269.3	1313.2	1387.0	1424.0	1463.2	1516.3	1502.4
22.5°	1207.0	1197.8	1195.5	1211.6	1218.6	1260.1	1350.1	1389.4	1444.7	1507.1	1484.0
25°	1216.3	1218.6	1214.0	1200.1	1202.4	1239.3	1299.3	1350.1	1412.4	1504.8	1458.6
27.5°	1239.3	1250.9	1232.4	1218.6	1204.7	1218.6	1280.9	1317.8	1387.0	1516.3	1456.3
30°	1262.4	1274.0	1269.3	1248.6	1220.9	1216.3	1260.1	1306.3	1373.2	1525.5	1456.3
32.5°	1297.0	1313.2	1297.0	1304.0	1271.7	1250.9	1267.0	1308.6	1387.0	1557.8	1458.6
35°	1336.3	1350.1	1354.7	1338.6	1331.7	1292.4	1301.7	1322.4	1400.9	1594.8	1481.7
37.5°	1380.1	1396.3	1410.1	1412.4	1389.4	1366.3	1361.7	1373.2	1435.5	1659.4	1507.1
40°	1410.1	1419.4	1447.1	1470.1	1477.1	1444.7	1442.4	1442.4	1497.8	1717.1	1553.2
42.5°	1460.9	1456.3	1495.5	1537.1	1548.6	1530.1	1534.8	1553.2	1585.5	1800.2	1627.1
45°	1486.3	1481.7	1527.8	1597.1	1650.1	1640.9	1645.5	1652.5	1682.5	1931.7	1751.7
47.5°	1520.9	1525.5	1592.5	1670.9	1726.3	1758.6	1784.0	1781.7	1804.8	2065.6	1890.2
50°	1555.5	1564.8	1645.5	1728.6	1825.5	1880.9	1917.9	1943.3	1966.3	2206.4	2049.4
52.5°	1622.5	1631.7	1721.7	1811.7	1936.3	2017.1	2109.4	2107.1	2109.4	2347.1	2208.7
55°	1719.4	1721.7	1774.8	1878.6	2047.1	2194.8	2321.7	2335.6	2296.4	2522.5	2391.0
57.5°	1830.2	1839.4	1885.6	1964.0	2134.8	2365.6	2559.5	2587.2	2481.0	2665.6	2557.2
60°	1934.0	1940.9	2012.5	2102.5	2287.1	2580.2	2799.5	2831.8	2716.4	2841.0	2730.2
62.5°	1816.3	1850.9	1977.9	2183.3	2554.8	2905.6	3104.1	3124.9	2944.9	3018.7	2914.9
65°	1454.0	1477.1	1659.4	1991.7	2573.3	3496.5	3574.9	3519.5	3258.8	3247.2	3194.1
67.5°	810.1	828.5	953.2	1301.7	2167.1	3718.0	4588.1	4181.9	3745.7	3591.1	3572.6
70°	639.3	643.9	660.1	731.6	1202.4	3277.2	5386.6	5405.1	4541.9	4064.2	3653.4
72.5°	519.3	517.0	565.4	627.7	710.8	1966.3	5135.1	5845.9	5151.2	3939.6	3182.6
75°	397.0	403.9	466.2	556.2	650.8	925.5	3831.1	4809.7	4825.8	3671.9	2684.1
77.5°	302.3	304.6	373.9	491.6	637.0	653.1	2499.5	3584.2	3600.3	2843.3	1479.4
80°	226.2	226.2	283.9	415.4	620.8	602.4	1539.4	2485.6	2250.2	999.3	323.1
82.5°	129.2	138.5	189.2	316.2	563.1	579.3	867.8	1424.0	950.9	272.3	150.0
85°	69.2	71.5	115.4	212.3	463.9	553.9	662.4	708.5	378.5	145.4	69.2
87.5°	25.4	25.4	53.1	108.5	293.1	410.8	526.2	452.3	216.9	66.9	34.6
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°	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3	1726.3
2.5°	1724.0	1714.8	1707.8	1714.8	1689.4	1677.8	1691.7	1684.8	1670.9	1664.0	1659.4
5°	1689.4	1677.8	1666.3	1659.4	1631.7	1604.0	1590.1	1562.4	1539.4	1546.3	1532.4
7.5°	1652.5	1640.9	1606.3	1574.0	1518.6	1463.2	1437.8	1398.6	1384.7	1373.2	1366.3
10°	1606.3	1585.5	1532.4	1467.8	1387.0	1324.7	1260.1	1214.0	1165.5	1144.7	1151.6
12.5°	1548.6	1537.1	1454.0	1354.7	1241.7	1137.8	1061.6	987.8	923.2	888.5	879.3
15°	1523.2	1488.6	1368.6	1237.0	1093.9	964.7	851.6	722.4	646.2	609.3	609.3
17.5°	1495.5	1430.9	1287.8	1107.8	943.9	777.8	618.5	500.8	440.8	420.0	420.0
20°	1451.7	1380.1	1193.2	985.5	787.0	586.2	443.1	378.5	360.0	346.2	348.5
22.5°	1419.4	1331.7	1105.5	865.5	623.1	436.2	348.5	327.7	320.8	316.2	318.5
25°	1382.4	1274.0	1013.2	736.2	489.3	343.9	302.3	293.1	297.7	300.0	300.0
27.5°	1352.4	1225.5	918.5	597.7	369.3	290.8	272.3	270.0	279.3	283.9	286.2
30°	1331.7	1181.6	826.2	470.8	295.4	258.5	249.3	249.3	260.8	265.4	267.7
32.5°	1310.9	1144.7	727.0	360.0	251.6	230.8	228.5	230.8	237.7	237.7	240.0
35°	1317.8	1110.1	632.4	290.8	226.2	212.3	212.3	212.3	214.6	216.9	216.9
37.5°	1331.7	1100.9	530.8	244.6	207.7	198.5	198.5	196.2	198.5	196.2	198.5
40°	1345.5	1087.0	438.5	216.9	196.2	189.2	186.9	182.3	180.0	180.0	182.3
42.5°	1403.2	1105.5	360.0	198.5	186.9	182.3	175.4	170.8	168.5	168.5	168.5
45°	1477.1	1140.1	297.7	189.2	180.0	168.5	163.9	161.6	156.9	159.2	161.6
47.5°	1587.8	1193.2	260.8	182.3	173.1	159.2	154.6	150.0	150.0	154.6	154.6
50°	1733.2	1280.9	237.7	175.4	166.2	152.3	145.4	143.1	143.1	150.0	150.0
52.5°	1890.2	1382.4	228.5	173.1	159.2	145.4	138.5	136.2	136.2	145.4	145.4
55°	2047.1	1507.1	235.4	173.1	154.6	138.5	131.6	126.9	129.2	136.2	136.2
57.5°	2220.2	1640.9	270.0	173.1	150.0	136.2	126.9	120.0	122.3	124.6	124.6
60°	2409.4	1816.3	330.0	173.1	147.7	131.6	120.0	110.8	110.8	113.1	113.1
62.5°	2601.0	1989.4	415.4	175.4	150.0	129.2	110.8	101.5	99.2	101.5	101.5
65°	2852.6	2266.4	500.8	175.4	156.9	124.6	103.9	92.3	90.0	90.0	92.3
67.5°	3205.7	2464.8	387.7	168.5	161.6	124.6	96.9	85.4	80.8	80.8	80.8
70°	3018.7	2079.4	246.9	156.9	154.6	129.2	92.3	78.5	73.9	71.5	71.5
72.5°	2584.8	1664.0	198.5	147.7	143.1	126.9	87.7	73.9	66.9	64.6	64.6
75°	2072.5	1313.2	173.1	133.9	124.6	106.2	80.8	66.9	62.3	57.7	57.7
77.5°	1015.5	549.3	131.6	117.7	106.2	80.8	71.5	62.3	55.4	50.8	50.8
80°	253.9	191.6	96.9	92.3	78.5	62.3	57.7	53.1	48.5	43.9	43.9
82.5°	136.2	113.1	69.2	62.3	53.1	43.9	43.9	41.5	39.2	34.6	32.3
85°	69.2	66.9	46.2	41.5	34.6	27.7	30.0	30.0	27.7	20.8	20.8
87.5°	36.9	36.9	23.1	18.5	16.2	13.8	13.8	13.8	11.5	9.2	9.2
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)