

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: P675536

Luminaire Tested: **CCW-SA-1E-730-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675536
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL3 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

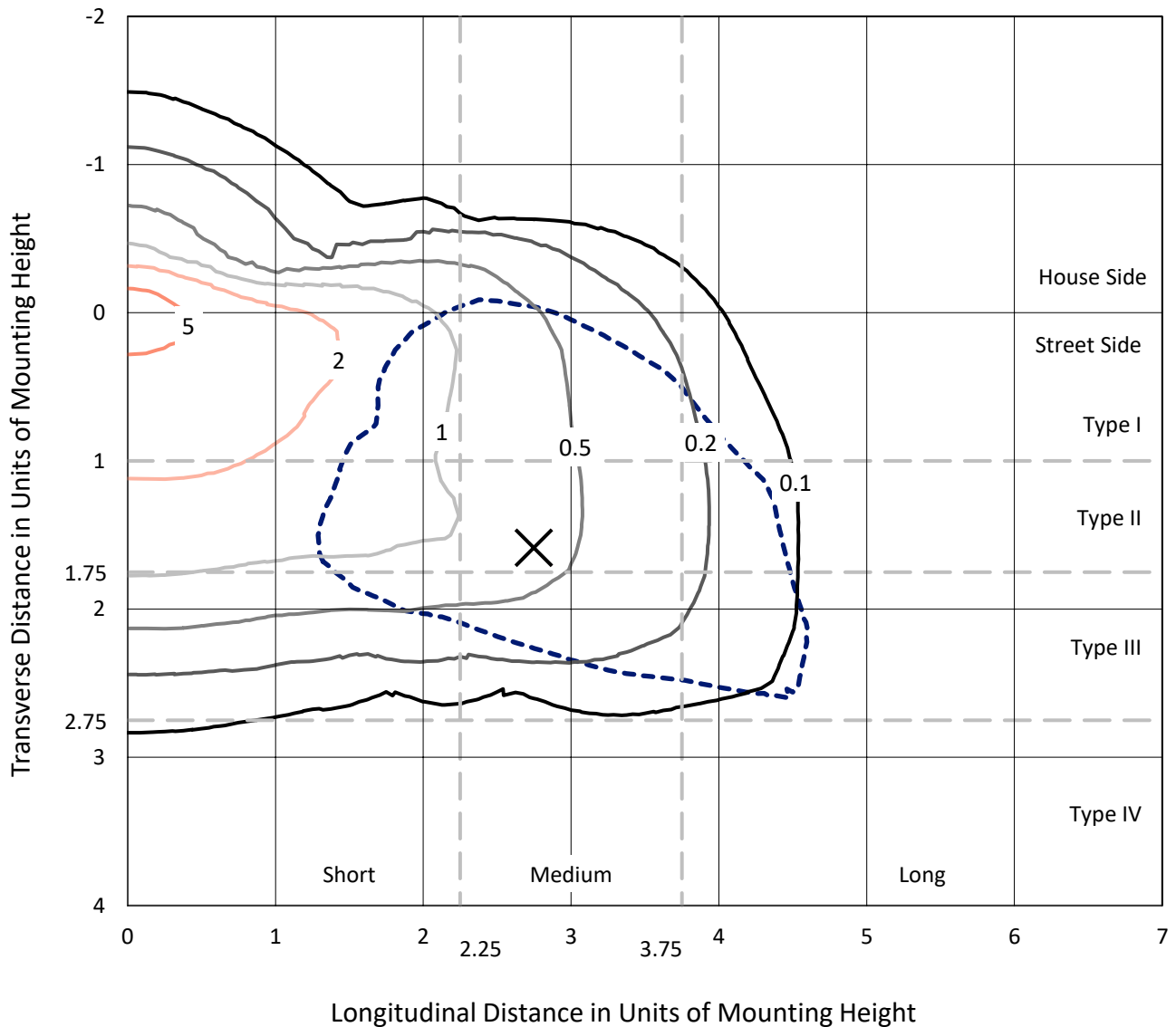
Lumens per Lamp: N/A
Luminaire Lumens: 6155.7 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

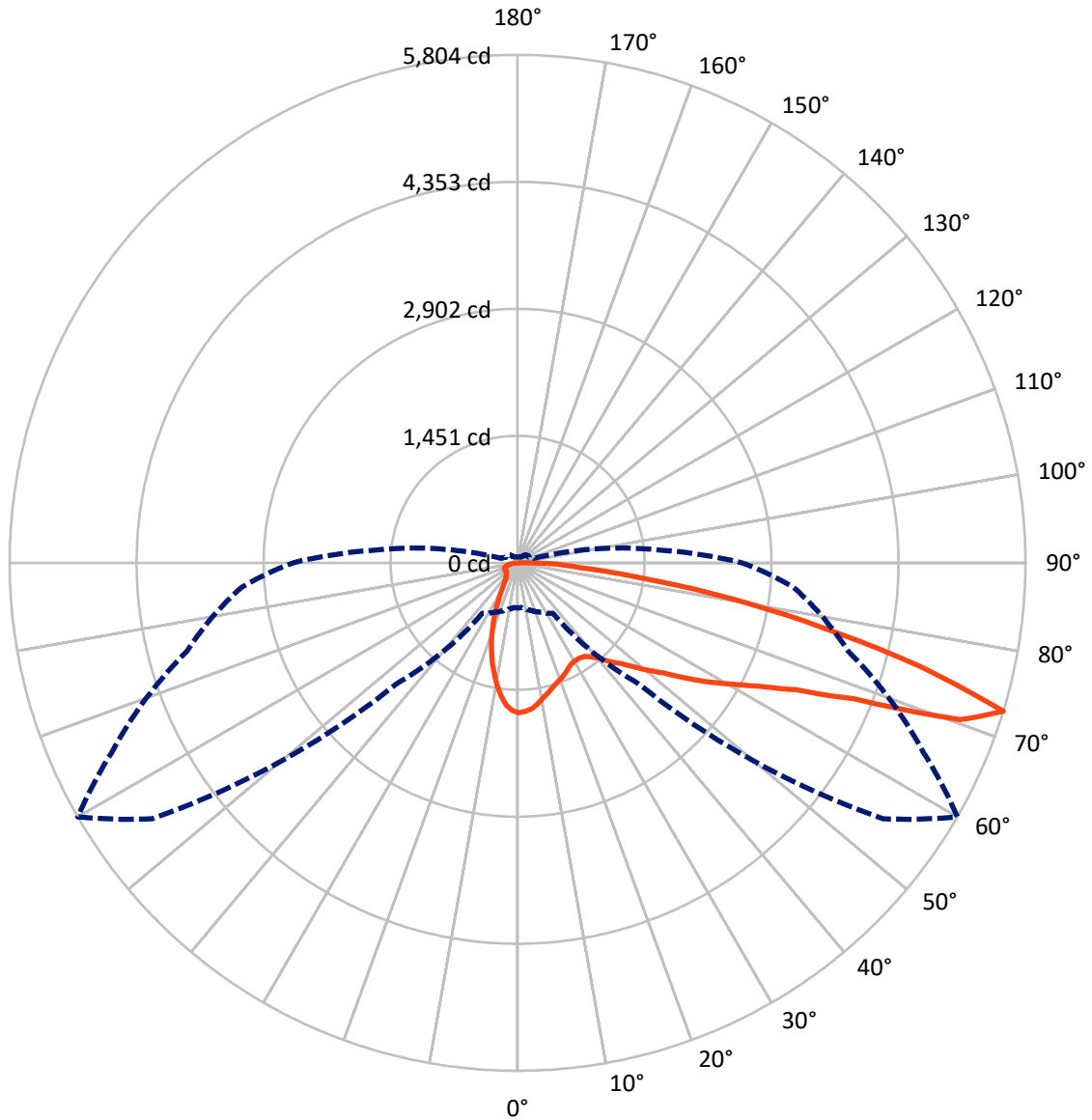
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 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	1057.4	0.0	1057.4
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5098.3	0.0	5098.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	6155.7	0.0	6155.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	2.4
10°-20°	336.9	5.5
20°-30°	431.2	7.0
30°-40°	551.6	9.0
40°-50°	756.5	12.3
50°-60°	1094.2	17.8
60°-70°	1501.0	24.4
70°-80°	1126.4	18.3
80°-90°	209.4	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°	6155.7	100.0
0°-180°	6155.7	100.0

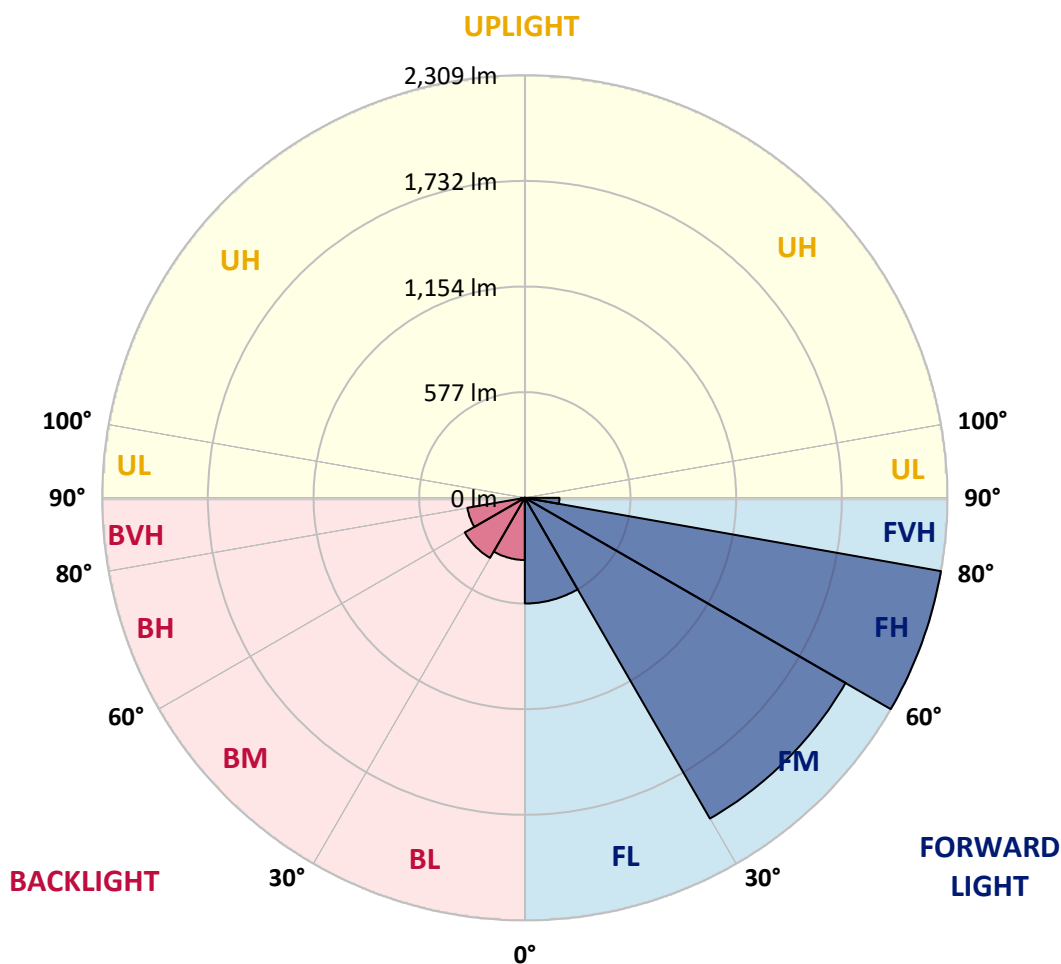


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.2	9.4			
FM (30°-60°)	2023.3	32.9			
FH (60°-80°)	2308.8	37.5			G2/5000
FVH (80°-90°)	189.0	3.1			G2/225
BL (0°-30°)	339.4	5.5	B1/500		
BM (30°-60°)	378.9	6.2	B1/1000		
BH (60°-80°)	318.7	5.2	B1/500		G1/500
BVH (80°-90°)	20.4	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°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1677.4	1693.4	1698.0	1698.0	1711.8	1695.7	1718.6	1700.3	1704.9	1711.8	1707.2
5°	1597.2	1624.7	1608.6	1638.4	1627.0	1647.6	1675.1	1675.1	1668.2	1682.0	1670.5
7.5°	1519.3	1510.1	1537.6	1537.6	1555.9	1583.4	1606.4	1629.3	1631.6	1636.1	1633.9
10°	1413.9	1425.3	1439.1	1457.4	1480.3	1507.8	1555.9	1574.3	1578.9	1606.4	1599.5
12.5°	1326.8	1342.8	1352.0	1388.7	1409.3	1448.2	1503.2	1528.4	1530.7	1569.7	1569.7
15°	1262.6	1271.8	1292.4	1306.2	1352.0	1407.0	1459.7	1482.6	1507.8	1549.1	1537.6
17.5°	1219.1	1230.5	1239.7	1258.0	1301.6	1347.4	1429.9	1443.7	1473.4	1533.0	1519.3
20°	1193.9	1196.2	1209.9	1221.4	1260.3	1303.9	1377.2	1413.9	1452.8	1505.5	1491.8
22.5°	1198.5	1189.3	1187.0	1203.0	1209.9	1251.2	1340.5	1379.5	1434.5	1496.4	1473.4
25°	1207.6	1209.9	1205.3	1191.6	1193.9	1230.5	1290.1	1340.5	1402.4	1494.1	1448.2
27.5°	1230.5	1242.0	1223.7	1209.9	1196.2	1209.9	1271.8	1308.5	1377.2	1505.5	1445.9
30°	1253.5	1264.9	1260.3	1239.7	1212.2	1207.6	1251.2	1297.0	1363.5	1514.7	1445.9
32.5°	1287.8	1303.9	1287.8	1294.7	1262.6	1242.0	1258.0	1299.3	1377.2	1546.8	1448.2
35°	1326.8	1340.5	1345.1	1329.1	1322.2	1283.3	1292.4	1313.0	1391.0	1583.4	1471.2
37.5°	1370.3	1386.4	1400.1	1402.4	1379.5	1356.6	1352.0	1363.5	1425.3	1647.6	1496.4
40°	1400.1	1409.3	1436.8	1459.7	1466.6	1434.5	1432.2	1432.2	1487.2	1704.9	1542.2
42.5°	1450.5	1445.9	1484.9	1526.2	1537.6	1519.3	1523.9	1542.2	1574.3	1787.4	1615.5
45°	1475.7	1471.2	1517.0	1585.7	1638.4	1629.3	1633.9	1640.7	1670.5	1918.0	1739.3
47.5°	1510.1	1514.7	1581.1	1659.1	1714.1	1746.1	1771.3	1769.1	1792.0	2050.9	1876.8
50°	1544.5	1553.6	1633.9	1716.3	1812.6	1867.6	1904.3	1929.5	1952.4	2190.7	2034.9
52.5°	1610.9	1620.1	1709.5	1798.8	1922.6	2002.8	2094.4	2092.2	2094.4	2330.5	2193.0
55°	1707.2	1709.5	1762.2	1865.3	2032.6	2179.2	2305.3	2319.0	2280.1	2504.6	2374.0
57.5°	1817.2	1826.3	1872.2	1950.1	2119.7	2348.8	2541.3	2568.8	2463.4	2646.7	2539.0
60°	1920.3	1927.2	1998.2	2087.6	2270.9	2561.9	2779.6	2811.7	2697.1	2820.9	2710.9
62.5°	1803.4	1837.8	1963.8	2167.8	2536.7	2885.0	3082.1	3102.7	2924.0	2997.3	2894.2
65°	1443.7	1466.6	1647.6	1977.6	2555.0	3471.7	3549.6	3494.6	3235.6	3224.2	3171.5
67.5°	804.3	822.7	946.4	1292.4	2151.7	3691.6	4555.5	4152.2	3719.1	3565.6	3547.3
70°	634.8	639.3	655.4	726.4	1193.9	3254.0	5348.4	5366.7	4509.7	4035.4	3627.5
72.5°	515.6	513.3	561.4	623.3	705.8	1952.4	5098.6	5804.4	5114.7	3911.6	3160.0
75°	394.1	401.0	462.9	552.3	646.2	918.9	3803.9	4775.5	4791.6	3645.8	2665.0
77.5°	300.2	302.5	371.2	488.1	632.5	648.5	2481.7	3558.7	3574.8	2823.2	1468.9
80°	224.6	224.6	281.9	412.5	616.4	598.1	1528.4	2468.0	2234.2	992.2	320.8
82.5°	128.3	137.5	187.9	313.9	559.1	575.2	861.6	1413.9	944.1	270.4	148.9
85°	68.7	71.0	114.6	210.8	460.6	550.0	657.7	703.5	375.8	144.4	68.7
87.5°	25.2	25.2	52.7	107.7	291.0	407.9	522.5	449.1	215.4	66.5	34.4
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°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1711.8	1702.6	1695.7	1702.6	1677.4	1665.9	1679.7	1672.8	1659.1	1652.2	1647.6
5°	1677.4	1665.9	1654.5	1647.6	1620.1	1592.6	1578.9	1551.4	1528.4	1535.3	1521.6
7.5°	1640.7	1629.3	1594.9	1562.8	1507.8	1452.8	1427.6	1388.7	1374.9	1363.5	1356.6
10°	1594.9	1574.3	1521.6	1457.4	1377.2	1315.3	1251.2	1205.3	1157.2	1136.6	1143.5
12.5°	1537.6	1526.2	1443.7	1345.1	1232.8	1129.7	1054.1	980.8	916.6	882.2	873.1
15°	1512.4	1478.0	1358.9	1228.3	1086.2	957.9	845.6	717.2	641.6	605.0	605.0
17.5°	1484.9	1420.7	1278.7	1099.9	937.2	772.2	614.1	497.3	437.7	417.1	417.1
20°	1441.4	1370.3	1184.7	978.5	781.4	582.0	440.0	375.8	357.5	343.7	346.0
22.5°	1409.3	1322.2	1097.6	859.3	618.7	433.1	346.0	325.4	318.5	313.9	316.2
25°	1372.6	1264.9	1006.0	731.0	485.8	341.4	300.2	291.0	295.6	297.9	297.9
27.5°	1342.8	1216.8	912.0	593.5	366.6	288.7	270.4	268.1	277.3	281.9	284.1
30°	1322.2	1173.3	820.4	467.5	293.3	256.7	247.5	247.5	258.9	263.5	265.8
32.5°	1301.6	1136.6	721.8	357.5	249.8	229.2	226.9	229.2	236.0	236.0	238.3
35°	1308.5	1102.2	627.9	288.7	224.6	210.8	210.8	210.8	213.1	215.4	215.4
37.5°	1322.2	1093.1	527.0	242.9	206.2	197.1	197.1	194.8	197.1	194.8	197.1
40°	1336.0	1079.3	435.4	215.4	194.8	187.9	185.6	181.0	178.7	178.7	181.0
42.5°	1393.2	1097.6	357.5	197.1	185.6	181.0	174.2	169.6	167.3	167.3	167.3
45°	1466.6	1132.0	295.6	187.9	178.7	167.3	162.7	160.4	155.8	158.1	160.4
47.5°	1576.6	1184.7	258.9	181.0	171.9	158.1	153.5	148.9	148.9	153.5	153.5
50°	1720.9	1271.8	236.0	174.2	165.0	151.2	144.4	142.1	142.1	148.9	148.9
52.5°	1876.8	1372.6	226.9	171.9	158.1	144.4	137.5	135.2	135.2	144.4	144.4
55°	2032.6	1496.4	233.7	171.9	153.5	137.5	130.6	126.0	128.3	135.2	135.2
57.5°	2204.4	1629.3	268.1	171.9	148.9	135.2	126.0	119.2	121.5	123.7	123.7
60°	2392.3	1803.4	327.7	171.9	146.7	130.6	119.2	110.0	110.0	112.3	112.3
62.5°	2582.5	1975.3	412.5	174.2	148.9	128.3	110.0	100.8	98.5	100.8	100.8
65°	2832.3	2250.3	497.3	174.2	155.8	123.7	103.1	91.7	89.4	89.4	91.7
67.5°	3182.9	2447.3	385.0	167.3	160.4	123.7	96.2	84.8	80.2	80.2	80.2
70°	2997.3	2064.7	245.2	155.8	153.5	128.3	91.7	77.9	73.3	71.0	71.0
72.5°	2566.5	1652.2	197.1	146.7	142.1	126.0	87.1	73.3	66.5	64.2	64.2
75°	2057.8	1303.9	171.9	132.9	123.7	105.4	80.2	66.5	61.9	57.3	57.3
77.5°	1008.3	545.4	130.6	116.9	105.4	80.2	71.0	61.9	55.0	50.4	50.4
80°	252.1	190.2	96.2	91.7	77.9	61.9	57.3	52.7	48.1	43.5	43.5
82.5°	135.2	112.3	68.7	61.9	52.7	43.5	43.5	41.2	39.0	34.4	32.1
85°	68.7	66.5	45.8	41.2	34.4	27.5	29.8	29.8	27.5	20.6	20.6
87.5°	36.7	36.7	22.9	18.3	16.0	13.7	13.7	13.7	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)