

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: P675546

Luminaire Tested: **CCW-SA-1D-735-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675546
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-735-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL3 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

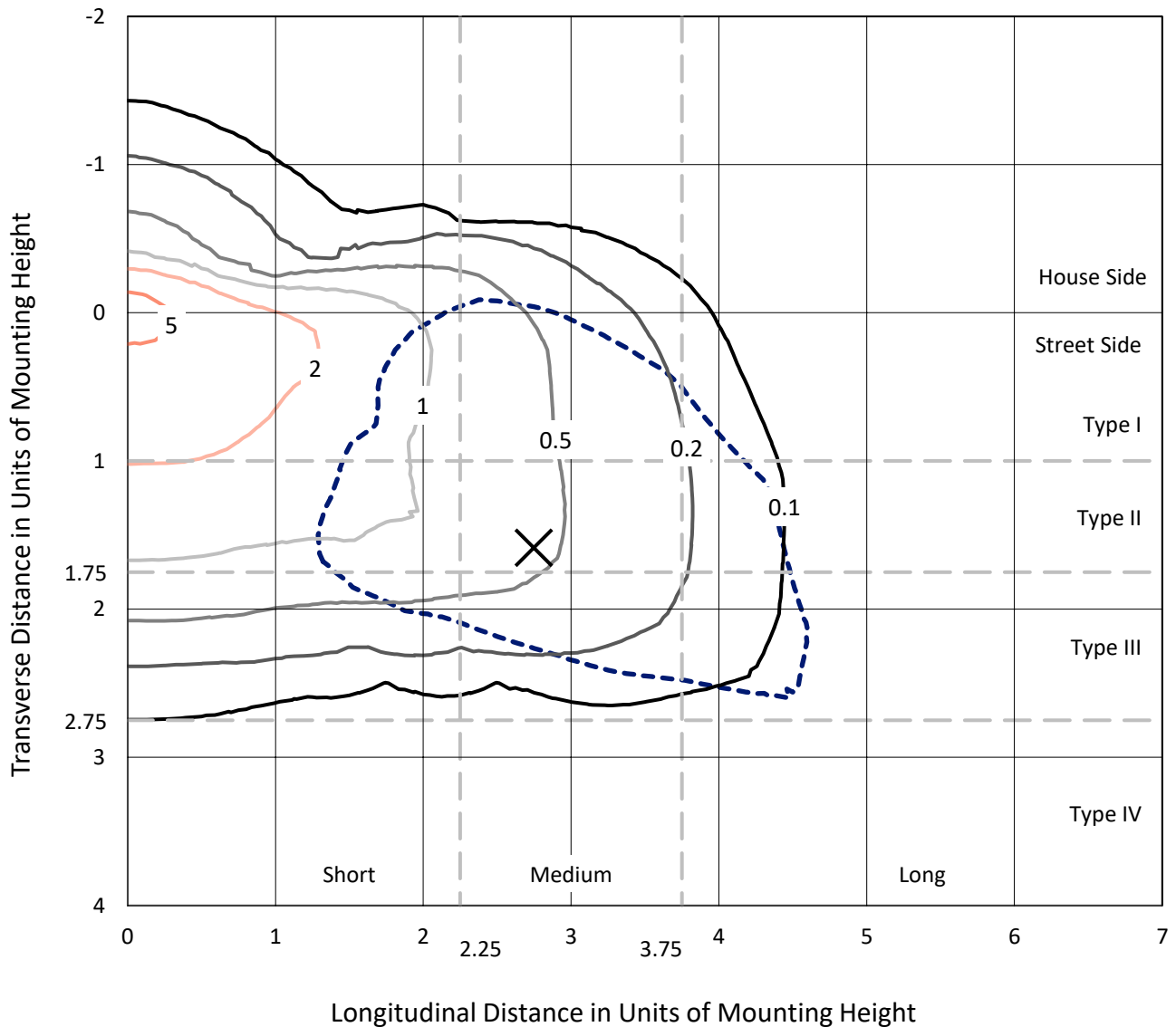
Lumens per Lamp: N/A
Luminaire Lumens: 5438.5 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

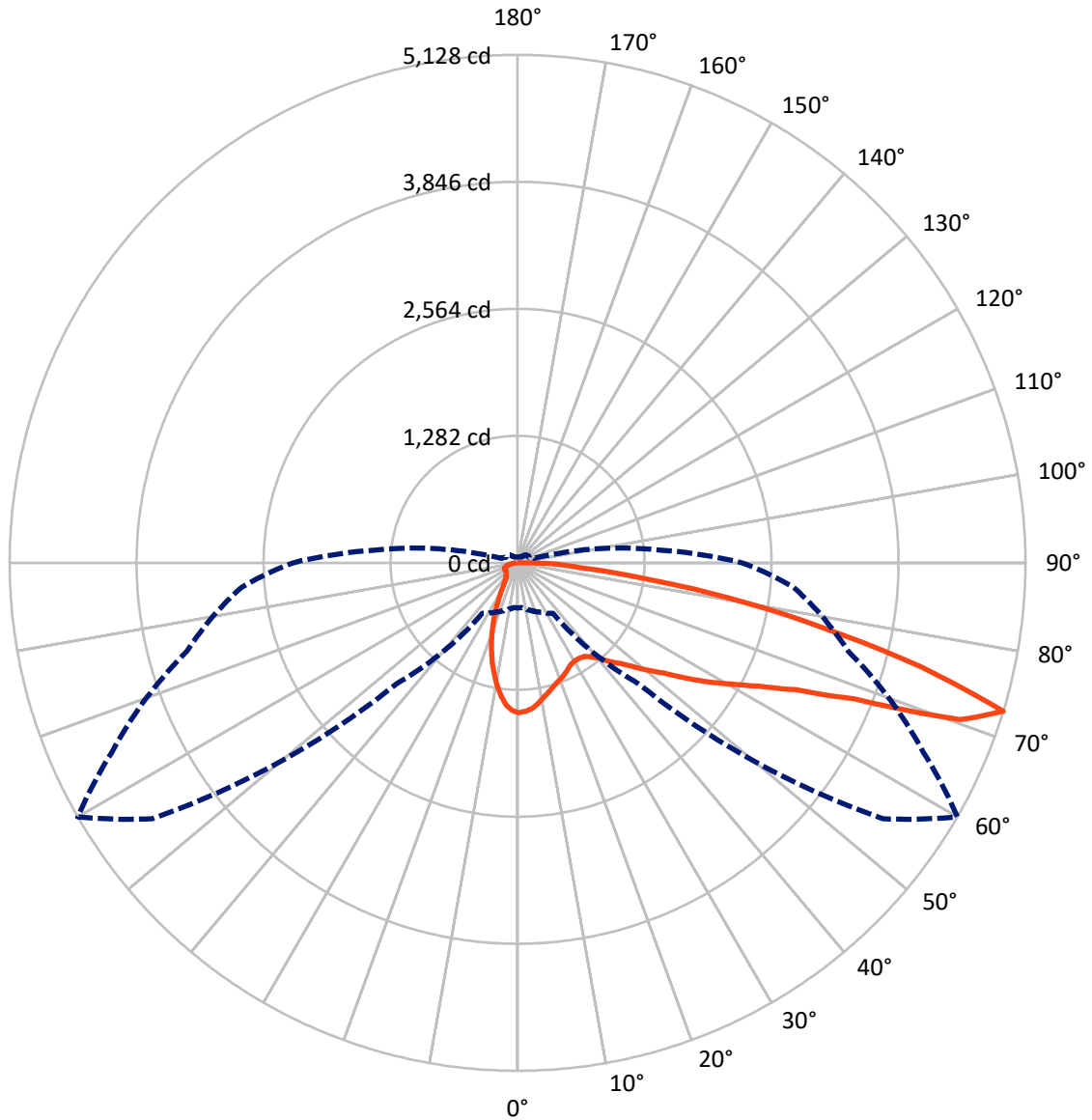
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 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	934.2	0.0	934.2
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4504.3	0.0	4504.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	5438.5	0.0	5438.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	2.4
10°-20°	297.7	5.5
20°-30°	380.9	7.0
30°-40°	487.3	9.0
40°-50°	668.4	12.3
50°-60°	966.7	17.8
60°-70°	1326.2	24.4
70°-80°	995.2	18.3
80°-90°	185.0	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°	5438.5	100.0
0°-180°	5438.5	100.0

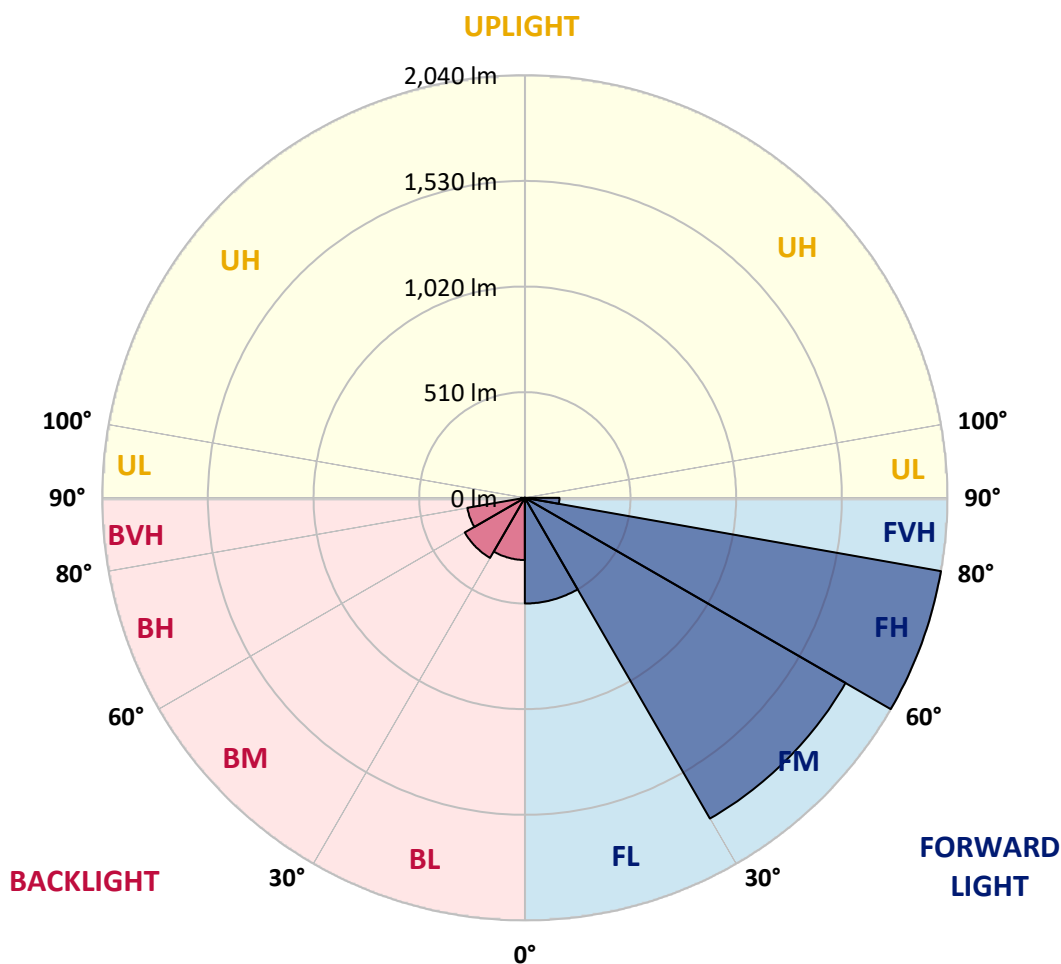


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.9	9.4			
FM (30°-60°)	1787.6	32.9			
FH (60°-80°)	2039.8	37.5			G2/5000
FVH (80°-90°)	166.9	3.1			G2/225
BL (0°-30°)	299.9	5.5	B1/500		
BM (30°-60°)	334.8	6.2	B1/1000		
BH (60°-80°)	281.5	5.2	B1/500		G1/500
BVH (80°-90°)	18.0	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°	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1482.0	1496.1	1500.2	1500.2	1512.3	1498.2	1518.4	1502.2	1506.3	1512.3	1508.3
5°	1411.1	1435.4	1421.2	1447.6	1437.4	1455.7	1479.9	1479.9	1473.9	1486.0	1475.9
7.5°	1342.3	1334.2	1358.5	1358.5	1374.7	1399.0	1419.2	1439.5	1441.5	1445.5	1443.5
10°	1249.2	1259.3	1271.4	1287.6	1307.9	1332.2	1374.7	1390.9	1394.9	1419.2	1413.1
12.5°	1172.2	1186.4	1194.5	1226.9	1245.1	1279.5	1328.1	1350.4	1352.4	1386.8	1386.8
15°	1115.5	1123.6	1141.8	1154.0	1194.5	1243.1	1289.6	1309.9	1332.2	1368.6	1358.5
17.5°	1077.1	1087.2	1095.3	1111.5	1149.9	1190.4	1263.3	1275.5	1301.8	1354.4	1342.3
20°	1054.8	1056.8	1069.0	1079.1	1113.5	1152.0	1216.8	1249.2	1283.6	1330.1	1318.0
22.5°	1058.8	1050.7	1048.7	1062.9	1069.0	1105.4	1184.4	1218.8	1267.4	1322.0	1301.8
25°	1066.9	1069.0	1064.9	1052.8	1054.8	1087.2	1139.8	1184.4	1239.0	1320.0	1279.5
27.5°	1087.2	1097.3	1081.1	1069.0	1056.8	1069.0	1123.6	1156.0	1216.8	1330.1	1277.5
30°	1107.4	1117.6	1113.5	1095.3	1071.0	1066.9	1105.4	1145.9	1204.6	1338.2	1277.5
32.5°	1137.8	1152.0	1137.8	1143.9	1115.5	1097.3	1111.5	1147.9	1216.8	1366.6	1279.5
35°	1172.2	1184.4	1188.4	1174.2	1168.2	1133.8	1141.8	1160.1	1228.9	1399.0	1299.8
37.5°	1210.7	1224.9	1237.0	1239.0	1218.8	1198.5	1194.5	1204.6	1259.3	1455.7	1322.0
40°	1237.0	1245.1	1269.4	1289.6	1295.7	1267.4	1265.3	1265.3	1313.9	1506.3	1362.5
42.5°	1281.5	1277.5	1311.9	1348.4	1358.5	1342.3	1346.3	1362.5	1390.9	1579.2	1427.3
45°	1303.8	1299.8	1340.3	1401.0	1447.6	1439.5	1443.5	1449.6	1475.9	1694.6	1536.6
47.5°	1334.2	1338.2	1396.9	1465.8	1514.4	1542.7	1565.0	1563.0	1583.2	1812.0	1658.1
50°	1364.6	1372.6	1443.5	1516.4	1601.4	1650.0	1682.4	1704.7	1724.9	1935.5	1797.8
52.5°	1423.3	1431.4	1510.3	1589.3	1698.6	1769.5	1850.4	1848.4	1850.4	2059.0	1937.5
55°	1508.3	1510.3	1556.9	1648.0	1795.8	1925.4	2036.7	2048.8	2014.4	2212.8	2097.4
57.5°	1605.5	1613.6	1654.1	1722.9	1872.7	2075.2	2245.2	2269.5	2176.4	2338.4	2243.2
60°	1696.6	1702.7	1765.4	1844.4	2006.3	2263.5	2455.8	2484.1	2382.9	2492.2	2395.0
62.5°	1593.3	1623.7	1735.0	1915.2	2241.2	2548.9	2723.0	2741.2	2583.3	2648.1	2557.0
65°	1275.5	1295.7	1455.7	1747.2	2257.4	3067.2	3136.0	3087.4	2858.7	2848.5	2802.0
67.5°	710.6	726.8	836.1	1141.8	1901.1	3261.6	4024.8	3668.5	3285.9	3150.2	3134.0
70°	560.8	564.9	579.0	641.8	1054.8	2874.9	4725.3	4741.5	3984.3	3565.2	3204.9
72.5°	455.5	453.5	496.0	550.7	623.6	1724.9	4504.6	5128.2	4518.8	3455.9	2791.9
75°	348.2	354.3	409.0	487.9	570.9	811.8	3360.8	4219.2	4233.3	3221.1	2354.6
77.5°	265.2	267.2	328.0	431.2	558.8	572.9	2192.6	3144.1	3158.3	2494.3	1297.7
80°	198.4	198.4	249.0	364.4	544.6	528.4	1350.4	2180.4	1973.9	876.6	283.4
82.5°	113.4	121.5	166.0	277.4	494.0	508.2	761.2	1249.2	834.1	238.9	131.6
85°	60.7	62.8	101.2	186.3	406.9	485.9	581.0	621.5	332.0	127.5	60.7
87.5°	22.3	22.3	46.6	95.2	257.1	360.4	461.6	396.8	190.3	58.7	30.4
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°	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1512.3	1504.2	1498.2	1504.2	1482.0	1471.9	1484.0	1477.9	1465.8	1459.7	1455.7
5°	1482.0	1471.9	1461.7	1455.7	1431.4	1407.1	1394.9	1370.6	1350.4	1356.5	1344.3
7.5°	1449.6	1439.5	1409.1	1380.7	1332.2	1283.6	1261.3	1226.9	1214.7	1204.6	1198.5
10°	1409.1	1390.9	1344.3	1287.6	1216.8	1162.1	1105.4	1064.9	1022.4	1004.2	1010.3
12.5°	1358.5	1348.4	1275.5	1188.4	1089.2	998.1	931.3	866.5	809.8	779.5	771.4
15°	1336.2	1305.8	1200.6	1085.2	959.6	846.3	747.1	633.7	566.9	534.5	534.5
17.5°	1311.9	1255.2	1129.7	971.8	828.0	682.3	542.6	439.3	386.7	368.5	368.5
20°	1273.4	1210.7	1046.7	864.5	690.4	514.2	388.7	332.0	315.8	303.7	305.7
22.5°	1245.1	1168.2	969.8	759.2	546.6	382.6	305.7	287.5	281.4	277.4	279.4
25°	1212.7	1117.6	888.8	645.8	429.2	301.7	265.2	257.1	261.2	263.2	263.2
27.5°	1186.4	1075.0	805.8	524.4	323.9	255.1	238.9	236.9	245.0	249.0	251.0
30°	1168.2	1036.6	724.8	413.0	259.1	226.8	218.7	218.7	228.8	232.8	234.8
32.5°	1149.9	1004.2	637.7	315.8	220.7	202.5	200.4	202.5	208.5	208.5	210.6
35°	1156.0	973.8	554.7	255.1	198.4	186.3	186.3	186.3	188.3	190.3	190.3
37.5°	1168.2	965.7	465.6	214.6	182.2	174.1	174.1	172.1	174.1	172.1	174.1
40°	1180.3	953.6	384.7	190.3	172.1	166.0	164.0	159.9	157.9	157.9	159.9
42.5°	1230.9	969.8	315.8	174.1	164.0	159.9	153.9	149.8	147.8	147.8	147.8
45°	1295.7	1000.1	261.2	166.0	157.9	147.8	143.7	141.7	137.7	139.7	141.7
47.5°	1392.9	1046.7	228.8	159.9	151.8	139.7	135.6	131.6	131.6	135.6	135.6
50°	1520.4	1123.6	208.5	153.9	145.8	133.6	127.5	125.5	125.5	131.6	131.6
52.5°	1658.1	1212.7	200.4	151.8	139.7	127.5	121.5	119.4	119.4	127.5	127.5
55°	1795.8	1322.0	206.5	151.8	135.6	121.5	115.4	111.4	113.4	119.4	119.4
57.5°	1947.6	1439.5	236.9	151.8	131.6	119.4	111.4	105.3	107.3	109.3	109.3
60°	2113.6	1593.3	289.5	151.8	129.6	115.4	105.3	97.2	97.2	99.2	99.2
62.5°	2281.7	1745.2	364.4	153.9	131.6	113.4	97.2	89.1	87.1	89.1	89.1
65°	2502.3	1988.1	439.3	153.9	137.7	109.3	91.1	81.0	79.0	79.0	81.0
67.5°	2812.1	2162.2	340.1	147.8	141.7	109.3	85.0	74.9	70.9	70.9	70.9
70°	2648.1	1824.1	216.6	137.7	135.6	113.4	81.0	68.8	64.8	62.8	62.8
72.5°	2267.5	1459.7	174.1	129.6	125.5	111.4	76.9	64.8	58.7	56.7	56.7
75°	1818.1	1152.0	151.8	117.4	109.3	93.1	70.9	58.7	54.7	50.6	50.6
77.5°	890.8	481.8	115.4	103.3	93.1	70.9	62.8	54.7	48.6	44.5	44.5
80°	222.7	168.0	85.0	81.0	68.8	54.7	50.6	46.6	42.5	38.5	38.5
82.5°	119.4	99.2	60.7	54.7	46.6	38.5	38.5	36.4	34.4	30.4	28.3
85°	60.7	58.7	40.5	36.4	30.4	24.3	26.3	26.3	24.3	18.2	18.2
87.5°	32.4	32.4	20.2	16.2	14.2	12.1	12.1	12.1	10.1	8.1	8.1
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)