

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: P675594

Luminaire Tested: **CCW-SA-2B-827-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675594
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-827-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

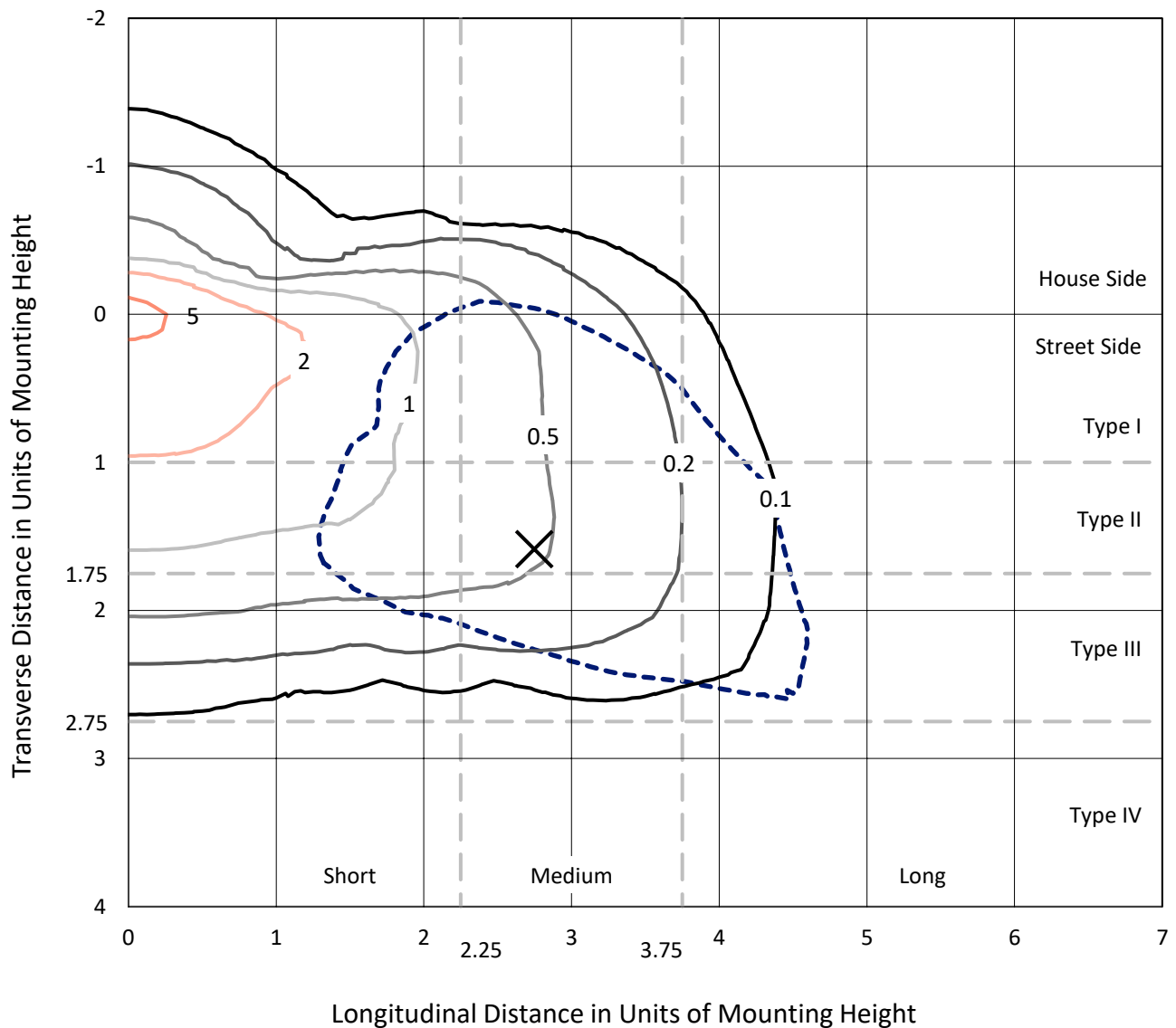
Lumens per Lamp: N/A
Luminaire Lumens: 5019.6 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): 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

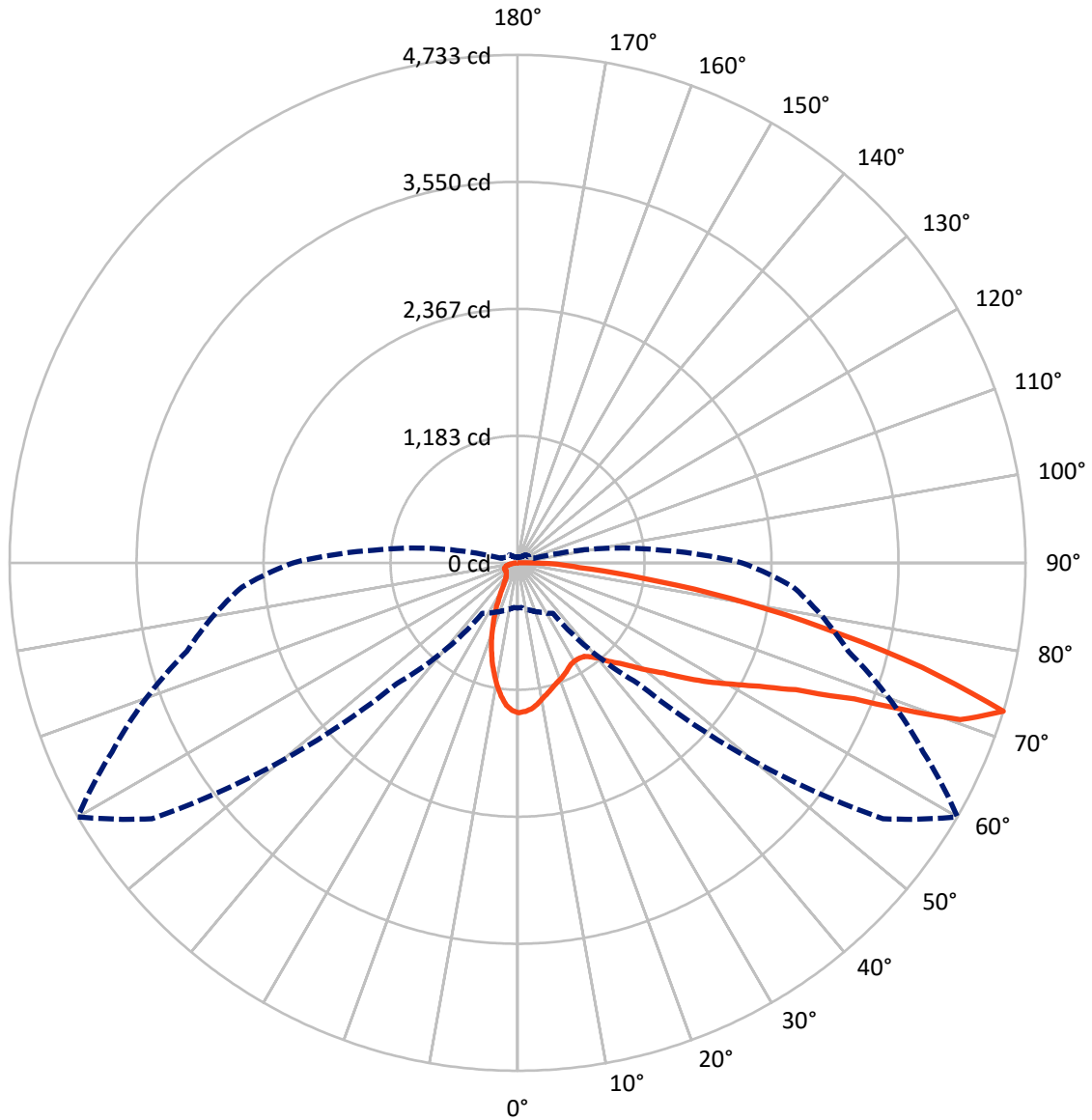
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 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	862.3	0.0	862.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4157.3	0.0	4157.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	5019.6	0.0	5019.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	2.4
10°-20°	274.7	5.5
20°-30°	351.6	7.0
30°-40°	449.8	9.0
40°-50°	616.9	12.3
50°-60°	892.2	17.8
60°-70°	1224.0	24.4
70°-80°	918.5	18.3
80°-90°	170.7	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°	5019.6	100.0
0°-180°	5019.6	100.0

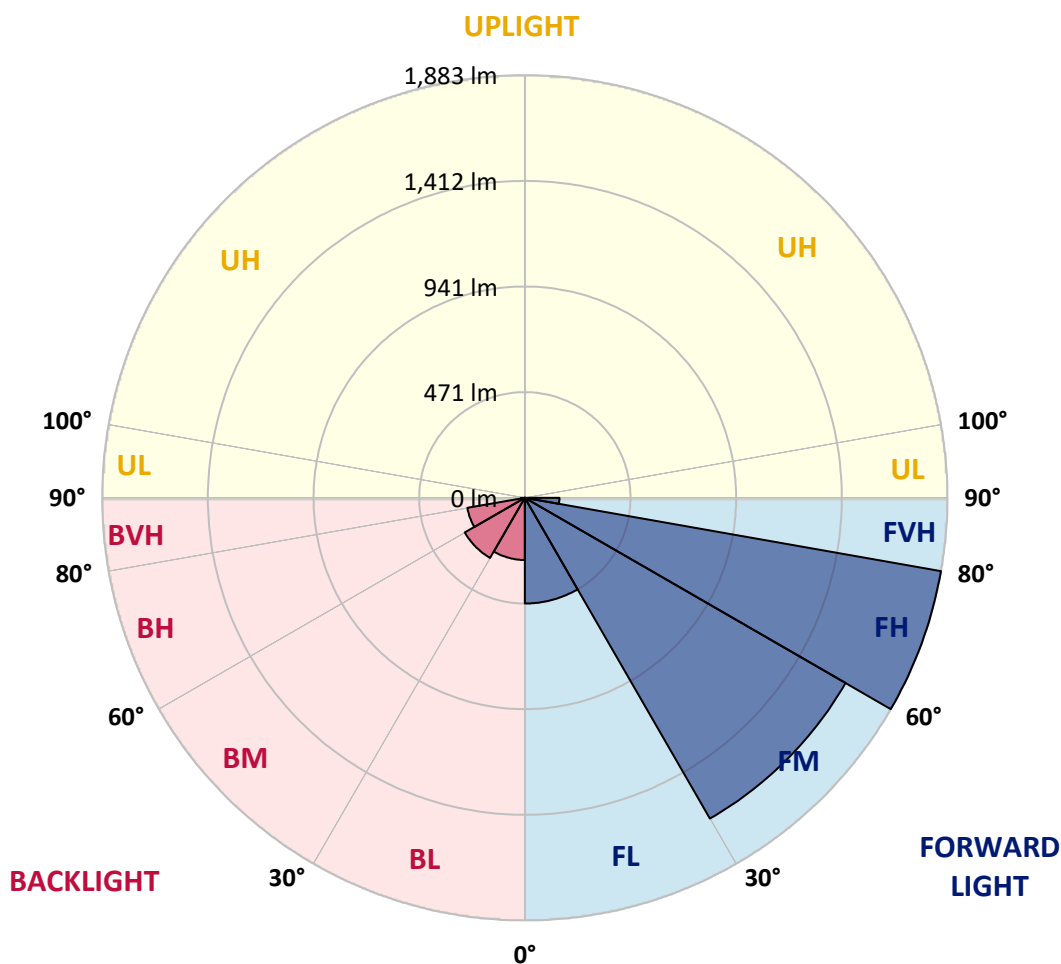


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.7	9.4			
FM (30°-60°)	1649.9	32.9			
FH (60°-80°)	1882.7	37.5			G2/5000
FVH (80°-90°)	154.1	3.1			G2/225
BL (0°-30°)	276.8	5.5	B1/500		
BM (30°-60°)	309.0	6.2	B1/1000		
BH (60°-80°)	259.8	5.2	B1/500		G1/500
BVH (80°-90°)	16.6	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°	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7
2.5°	1367.8	1380.9	1384.6	1384.6	1395.8	1382.8	1401.4	1386.5	1390.2	1395.8	1392.1
5°	1302.4	1324.8	1311.8	1336.0	1326.7	1343.5	1365.9	1365.9	1360.3	1371.5	1362.2
7.5°	1238.9	1231.4	1253.8	1253.8	1268.8	1291.2	1309.9	1328.6	1330.4	1334.2	1332.3
10°	1152.9	1162.3	1173.5	1188.4	1207.1	1229.5	1268.8	1283.7	1287.5	1309.9	1304.3
12.5°	1081.9	1095.0	1102.5	1132.4	1149.2	1180.9	1225.8	1246.3	1248.2	1280.0	1280.0
15°	1029.6	1037.1	1053.9	1065.1	1102.5	1147.3	1190.3	1209.0	1229.5	1263.2	1253.8
17.5°	994.1	1003.4	1010.9	1025.9	1061.4	1098.7	1166.0	1177.2	1201.5	1250.1	1238.9
20°	973.5	975.4	986.6	996.0	1027.7	1063.2	1123.0	1152.9	1184.7	1227.7	1216.5
22.5°	977.3	969.8	967.9	981.0	986.6	1020.3	1093.1	1124.9	1169.7	1220.2	1201.5
25°	984.7	986.6	982.9	971.7	973.5	1003.4	1052.0	1093.1	1143.6	1218.3	1180.9
27.5°	1003.4	1012.8	997.8	986.6	975.4	986.6	1037.1	1067.0	1123.0	1227.7	1179.1
30°	1022.1	1031.5	1027.7	1010.9	988.5	984.7	1020.3	1057.6	1111.8	1235.1	1179.1
32.5°	1050.1	1063.2	1050.1	1055.8	1029.6	1012.8	1025.9	1059.5	1123.0	1261.3	1180.9
35°	1081.9	1093.1	1096.9	1083.8	1078.2	1046.4	1053.9	1070.7	1134.2	1291.2	1199.6
37.5°	1117.4	1130.5	1141.7	1143.6	1124.9	1106.2	1102.5	1111.8	1162.3	1343.5	1220.2
40°	1141.7	1149.2	1171.6	1190.3	1195.9	1169.7	1167.9	1167.9	1212.7	1390.2	1257.6
42.5°	1182.8	1179.1	1210.8	1244.5	1253.8	1238.9	1242.6	1257.6	1283.7	1457.5	1317.4
45°	1203.4	1199.6	1237.0	1293.1	1336.0	1328.6	1332.3	1337.9	1362.2	1564.0	1418.3
47.5°	1231.4	1235.1	1289.3	1352.9	1397.7	1423.9	1444.4	1442.6	1461.2	1672.4	1530.4
50°	1259.4	1266.9	1332.3	1399.6	1478.1	1522.9	1552.8	1573.4	1592.0	1786.4	1659.3
52.5°	1313.6	1321.1	1394.0	1466.8	1567.7	1633.1	1707.9	1706.0	1707.9	1900.4	1788.2
55°	1392.1	1394.0	1436.9	1521.0	1657.4	1777.0	1879.8	1891.0	1859.2	2042.4	1935.9
57.5°	1481.8	1489.3	1526.6	1590.2	1728.4	1915.3	2072.3	2094.7	2008.7	2158.2	2070.4
60°	1565.9	1571.5	1629.4	1702.3	1851.8	2089.1	2266.6	2292.8	2199.3	2300.2	2210.5
62.5°	1470.6	1498.6	1601.4	1767.7	2068.5	2352.6	2513.3	2530.1	2384.3	2444.1	2360.0
65°	1177.2	1195.9	1343.5	1612.6	2083.5	2830.9	2894.4	2849.6	2638.4	2629.1	2586.1
67.5°	655.9	670.8	771.7	1053.9	1754.6	3010.3	3714.8	3385.9	3032.7	2907.5	2892.6
70°	517.6	521.3	534.4	592.3	973.5	2653.4	4361.3	4376.2	3677.4	3290.6	2958.0
72.5°	420.4	418.6	457.8	508.3	575.5	1592.0	4157.6	4733.1	4170.7	3189.7	2576.8
75°	321.4	327.0	377.5	450.3	526.9	749.3	3101.9	3894.1	3907.2	2972.9	2173.2
77.5°	244.8	246.7	302.7	398.0	515.7	528.8	2023.7	2901.9	2915.0	2302.1	1197.8
80°	183.1	183.1	229.8	336.3	502.7	487.7	1246.3	2012.5	1821.9	809.1	261.6
82.5°	104.6	112.1	153.2	256.0	455.9	469.0	702.6	1152.9	769.9	220.5	121.5
85°	56.1	57.9	93.4	171.9	375.6	448.5	536.3	573.7	306.4	117.7	56.1
87.5°	20.6	20.6	43.0	87.8	237.3	332.6	426.0	366.2	175.6	54.2	28.0
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°	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7	1397.7
2.5°	1395.8	1388.4	1382.8	1388.4	1367.8	1358.5	1369.7	1364.1	1352.9	1347.3	1343.5
5°	1367.8	1358.5	1349.1	1343.5	1321.1	1298.7	1287.5	1265.0	1246.3	1252.0	1240.7
7.5°	1337.9	1328.6	1300.5	1274.4	1229.5	1184.7	1164.1	1132.4	1121.2	1111.8	1106.2
10°	1300.5	1283.7	1240.7	1188.4	1123.0	1072.6	1020.3	982.9	943.6	926.8	932.4
12.5°	1253.8	1244.5	1177.2	1096.9	1005.3	921.2	859.6	799.8	747.4	719.4	711.9
15°	1233.3	1205.2	1108.1	1001.6	885.7	781.1	689.5	584.9	523.2	493.3	493.3
17.5°	1210.8	1158.5	1042.7	896.9	764.3	629.7	500.8	405.5	356.9	340.1	340.1
20°	1175.3	1117.4	966.1	797.9	637.2	474.6	358.8	306.4	291.5	280.3	282.2
22.5°	1149.2	1078.2	895.1	700.7	504.5	353.2	282.2	265.3	259.7	256.0	257.9
25°	1119.3	1031.5	820.3	596.1	396.1	278.4	244.8	237.3	241.0	242.9	242.9
27.5°	1095.0	992.2	743.7	484.0	299.0	235.4	220.5	218.6	226.1	229.8	231.7
30°	1078.2	956.7	669.0	381.2	239.2	209.3	201.8	201.8	211.2	214.9	216.8
32.5°	1061.4	926.8	588.6	291.5	203.7	186.9	185.0	186.9	192.5	192.5	194.3
35°	1067.0	898.8	512.0	235.4	183.1	171.9	171.9	171.9	173.8	175.6	175.6
37.5°	1078.2	891.3	429.8	198.1	168.2	160.7	160.7	158.8	160.7	158.8	160.7
40°	1089.4	880.1	355.0	175.6	158.8	153.2	151.4	147.6	145.8	145.8	147.6
42.5°	1136.1	895.1	291.5	160.7	151.4	147.6	142.0	138.3	136.4	136.4	136.4
45°	1195.9	923.1	241.0	153.2	145.8	136.4	132.7	130.8	127.1	128.9	130.8
47.5°	1285.6	966.1	211.2	147.6	140.1	128.9	125.2	121.5	121.5	125.2	125.2
50°	1403.3	1037.1	192.5	142.0	134.5	123.3	117.7	115.9	115.9	121.5	121.5
52.5°	1530.4	1119.3	185.0	140.1	128.9	117.7	112.1	110.2	110.2	117.7	117.7
55°	1657.4	1220.2	190.6	140.1	125.2	112.1	106.5	102.8	104.6	110.2	110.2
57.5°	1797.6	1328.6	218.6	140.1	121.5	110.2	102.8	97.2	99.0	100.9	100.9
60°	1950.8	1470.6	267.2	140.1	119.6	106.5	97.2	89.7	89.7	91.6	91.6
62.5°	2105.9	1610.7	336.3	142.0	121.5	104.6	89.7	82.2	80.3	82.2	82.2
65°	2309.6	1835.0	405.5	142.0	127.1	100.9	84.1	74.7	72.9	72.9	74.7
67.5°	2595.5	1995.7	313.9	136.4	130.8	100.9	78.5	69.1	65.4	65.4	65.4
70°	2444.1	1683.6	199.9	127.1	125.2	104.6	74.7	63.5	59.8	57.9	57.9
72.5°	2092.8	1347.3	160.7	119.6	115.9	102.8	71.0	59.8	54.2	52.3	52.3
75°	1678.0	1063.2	140.1	108.4	100.9	86.0	65.4	54.2	50.5	46.7	46.7
77.5°	822.2	444.7	106.5	95.3	86.0	65.4	57.9	50.5	44.8	41.1	41.1
80°	205.5	155.1	78.5	74.7	63.5	50.5	46.7	43.0	39.2	35.5	35.5
82.5°	110.2	91.6	56.1	50.5	43.0	35.5	35.5	33.6	31.8	28.0	26.2
85°	56.1	54.2	37.4	33.6	28.0	22.4	24.3	24.3	22.4	16.8	16.8
87.5°	29.9	29.9	18.7	14.9	13.1	11.2	11.2	11.2	9.3	7.5	7.5
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)