

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: P675517

Luminaire Tested: **CCW-SA-2B-722-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675517
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-722-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL3 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

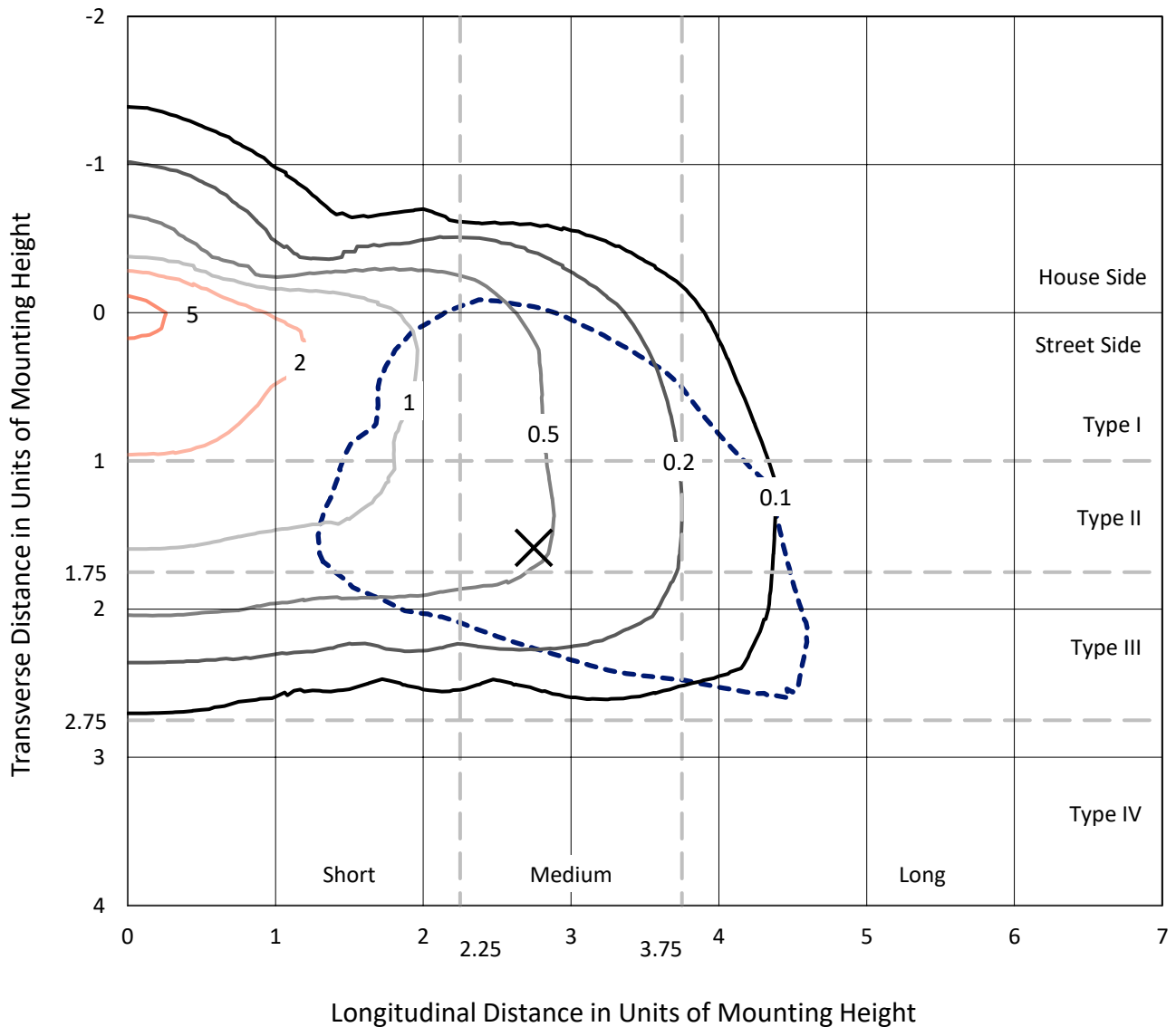
Lumens per Lamp: N/A
Luminaire Lumens: 5029.8 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
Input Current (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

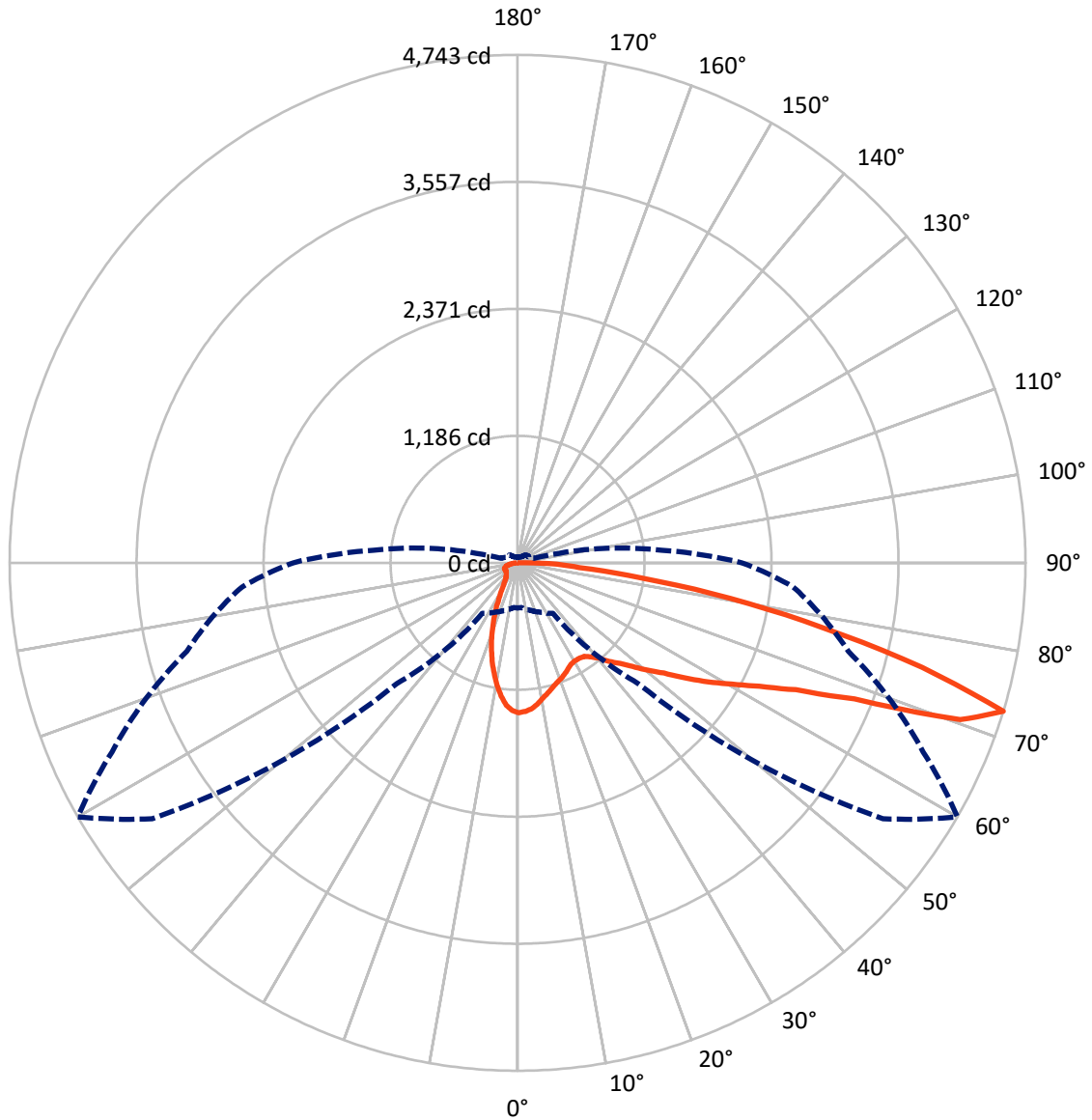
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 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	864.0	0.0	864.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4165.8	0.0	4165.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	5029.8	0.0	5029.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	2.4
10°-20°	275.3	5.5
20°-30°	352.3	7.0
30°-40°	450.7	9.0
40°-50°	618.1	12.3
50°-60°	894.1	17.8
60°-70°	1226.5	24.4
70°-80°	920.4	18.3
80°-90°	171.1	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°	5029.8	100.0
0°-180°	5029.8	100.0

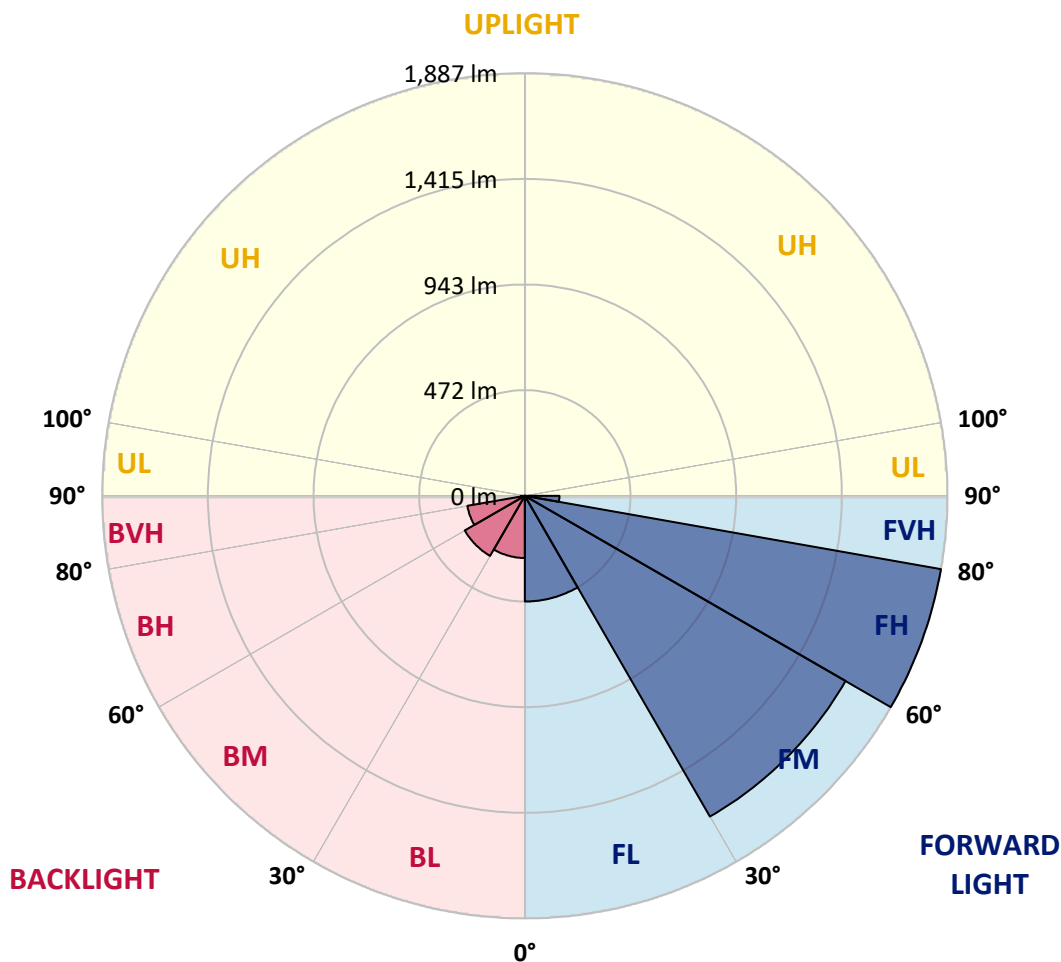


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.6	9.4			
FM (30°-60°)	1653.3	32.9			
FH (60°-80°)	1886.5	37.5			G2/5000
FVH (80°-90°)	154.4	3.1			G2/225
BL (0°-30°)	277.4	5.5	B1/500		
BM (30°-60°)	309.6	6.2	B1/1000		
BH (60°-80°)	260.4	5.2	B1/500		G1/500
BVH (80°-90°)	16.7	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°	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6
2.5°	1370.6	1383.7	1387.5	1387.5	1398.7	1385.6	1404.3	1389.3	1393.1	1398.7	1394.9
5°	1305.1	1327.5	1314.4	1338.8	1329.4	1346.3	1368.7	1368.7	1363.1	1374.3	1365.0
7.5°	1241.4	1233.9	1256.4	1256.4	1271.4	1293.8	1312.6	1331.3	1333.2	1336.9	1335.0
10°	1155.3	1164.6	1175.9	1190.8	1209.6	1232.0	1271.4	1286.3	1290.1	1312.6	1306.9
12.5°	1084.1	1097.2	1104.7	1134.7	1151.5	1183.4	1228.3	1248.9	1250.8	1282.6	1282.6
15°	1031.7	1039.2	1056.0	1067.3	1104.7	1149.7	1192.7	1211.4	1232.0	1265.7	1256.4
17.5°	996.1	1005.5	1013.0	1027.9	1063.5	1101.0	1168.4	1179.6	1204.0	1252.6	1241.4
20°	975.5	977.4	988.6	998.0	1029.8	1065.4	1125.3	1155.3	1187.1	1230.2	1218.9
22.5°	979.3	971.8	969.9	983.0	988.6	1022.3	1095.4	1127.2	1172.1	1222.7	1204.0
25°	986.8	988.6	984.9	973.6	975.5	1005.5	1054.2	1095.4	1145.9	1220.8	1183.4
27.5°	1005.5	1014.8	999.9	988.6	977.4	988.6	1039.2	1069.1	1125.3	1230.2	1181.5
30°	1024.2	1033.6	1029.8	1013.0	990.5	986.8	1022.3	1059.8	1114.1	1237.7	1181.5
32.5°	1052.3	1065.4	1052.3	1057.9	1031.7	1014.8	1027.9	1061.7	1125.3	1263.9	1183.4
35°	1084.1	1095.4	1099.1	1086.0	1080.4	1048.5	1056.0	1072.9	1136.5	1293.8	1202.1
37.5°	1119.7	1132.8	1144.0	1145.9	1127.2	1108.5	1104.7	1114.1	1164.6	1346.3	1222.7
40°	1144.0	1151.5	1174.0	1192.7	1198.3	1172.1	1170.3	1170.3	1215.2	1393.1	1260.1
42.5°	1185.2	1181.5	1213.3	1247.0	1256.4	1241.4	1245.1	1260.1	1286.3	1460.5	1320.0
45°	1205.8	1202.1	1239.5	1295.7	1338.8	1331.3	1335.0	1340.6	1365.0	1567.2	1421.2
47.5°	1233.9	1237.7	1292.0	1355.6	1400.6	1426.8	1447.4	1445.5	1464.2	1675.8	1533.5
50°	1262.0	1269.5	1335.0	1402.4	1481.1	1526.0	1556.0	1576.6	1595.3	1790.0	1662.7
52.5°	1316.3	1323.8	1396.8	1469.8	1570.9	1636.5	1711.4	1709.5	1711.4	1904.2	1791.9
55°	1394.9	1396.8	1439.9	1524.1	1660.8	1780.7	1883.6	1894.9	1863.0	2046.5	1939.8
57.5°	1484.8	1492.3	1529.8	1593.4	1732.0	1919.2	2076.5	2099.0	2012.8	2162.6	2074.6
60°	1569.1	1574.7	1632.7	1705.8	1855.6	2093.3	2271.2	2297.4	2203.8	2304.9	2215.1
62.5°	1473.6	1501.7	1604.6	1771.3	2072.8	2357.4	2518.4	2535.2	2389.2	2449.1	2364.8
65°	1179.6	1198.3	1346.3	1615.9	2087.7	2836.7	2900.4	2855.4	2643.8	2634.5	2591.4
67.5°	657.2	672.2	773.3	1056.0	1758.2	3016.4	3722.3	3392.8	3038.9	2913.5	2898.5
70°	518.7	522.4	535.5	593.6	975.5	2658.8	4370.2	4385.2	3684.9	3297.3	2964.0
72.5°	421.3	419.4	458.7	509.3	576.7	1595.3	4166.1	4742.8	4179.2	3196.2	2582.0
75°	322.1	327.7	378.2	451.2	528.0	750.8	3108.2	3902.1	3915.2	2979.0	2177.6
77.5°	245.3	247.2	303.3	398.8	516.8	529.9	2027.8	2907.8	2920.9	2306.8	1200.2
80°	183.5	183.5	230.3	337.0	503.7	488.7	1248.9	2016.6	1825.6	810.8	262.1
82.5°	104.9	112.3	153.5	256.5	456.9	470.0	704.0	1155.3	771.4	220.9	121.7
85°	56.2	58.0	93.6	172.3	376.4	449.4	537.4	574.8	307.1	118.0	56.2
87.5°	20.6	20.6	43.1	88.0	237.8	333.3	426.9	367.0	176.0	54.3	28.1
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°	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6	1400.6
2.5°	1398.7	1391.2	1385.6	1391.2	1370.6	1361.2	1372.5	1366.9	1355.6	1350.0	1346.3
5°	1370.6	1361.2	1351.9	1346.3	1323.8	1301.3	1290.1	1267.6	1248.9	1254.5	1243.3
7.5°	1340.6	1331.3	1303.2	1277.0	1232.0	1187.1	1166.5	1134.7	1123.4	1114.1	1108.5
10°	1303.2	1286.3	1243.3	1190.8	1125.3	1074.8	1022.3	984.9	945.6	928.7	934.3
12.5°	1256.4	1247.0	1179.6	1099.1	1007.4	923.1	861.3	801.4	749.0	720.9	713.4
15°	1235.8	1207.7	1110.3	1003.6	887.5	782.7	690.9	586.1	524.3	494.3	494.3
17.5°	1213.3	1160.9	1044.8	898.8	765.8	631.0	501.8	406.3	357.6	340.8	340.8
20°	1177.7	1119.7	968.0	799.5	638.5	475.6	359.5	307.1	292.1	280.9	282.7
22.5°	1151.5	1080.4	896.9	702.2	505.5	353.9	282.7	265.9	260.3	256.5	258.4
25°	1121.6	1033.6	822.0	597.3	396.9	279.0	245.3	237.8	241.5	243.4	243.4
27.5°	1097.2	994.2	745.2	485.0	299.6	235.9	220.9	219.1	226.6	230.3	232.2
30°	1080.4	958.7	670.3	382.0	239.7	209.7	202.2	202.2	211.6	215.3	217.2
32.5°	1063.5	928.7	589.8	292.1	204.1	187.2	185.4	187.2	192.9	192.9	194.7
35°	1069.1	900.6	513.0	235.9	183.5	172.3	172.3	172.3	174.1	176.0	176.0
37.5°	1080.4	893.1	430.7	198.5	168.5	161.0	161.0	159.2	161.0	159.2	161.0
40°	1091.6	881.9	355.8	176.0	159.2	153.5	151.7	147.9	146.0	146.0	147.9
42.5°	1138.4	896.9	292.1	161.0	151.7	147.9	142.3	138.6	136.7	136.7	136.7
45°	1198.3	925.0	241.5	153.5	146.0	136.7	132.9	131.1	127.3	129.2	131.1
47.5°	1288.2	968.0	211.6	147.9	140.4	129.2	125.5	121.7	121.7	125.5	125.5
50°	1406.2	1039.2	192.9	142.3	134.8	123.6	118.0	116.1	116.1	121.7	121.7
52.5°	1533.5	1121.6	185.4	140.4	129.2	118.0	112.3	110.5	110.5	118.0	118.0
55°	1660.8	1222.7	191.0	140.4	125.5	112.3	106.7	103.0	104.9	110.5	110.5
57.5°	1801.3	1331.3	219.1	140.4	121.7	110.5	103.0	97.4	99.2	101.1	101.1
60°	1954.8	1473.6	267.8	140.4	119.8	106.7	97.4	89.9	89.9	91.7	91.7
62.5°	2110.2	1614.0	337.0	142.3	121.7	104.9	89.9	82.4	80.5	82.4	82.4
65°	2314.3	1838.7	406.3	142.3	127.3	101.1	84.3	74.9	73.0	73.0	74.9
67.5°	2600.8	1999.7	314.6	136.7	131.1	101.1	78.6	69.3	65.5	65.5	65.5
70°	2449.1	1687.0	200.3	127.3	125.5	104.9	74.9	63.7	59.9	58.0	58.0
72.5°	2097.1	1350.0	161.0	119.8	116.1	103.0	71.2	59.9	54.3	52.4	52.4
75°	1681.4	1065.4	140.4	108.6	101.1	86.1	65.5	54.3	50.6	46.8	46.8
77.5°	823.9	445.6	106.7	95.5	86.1	65.5	58.0	50.6	44.9	41.2	41.2
80°	206.0	155.4	78.6	74.9	63.7	50.6	46.8	43.1	39.3	35.6	35.6
82.5°	110.5	91.7	56.2	50.6	43.1	35.6	35.6	33.7	31.8	28.1	26.2
85°	56.2	54.3	37.4	33.7	28.1	22.5	24.3	24.3	22.5	16.9	16.9
87.5°	30.0	30.0	18.7	15.0	13.1	11.2	11.2	11.2	9.4	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)