

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: P671427

Luminaire Tested: **CCP-SA-1E-827-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671427
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-827-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL3 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

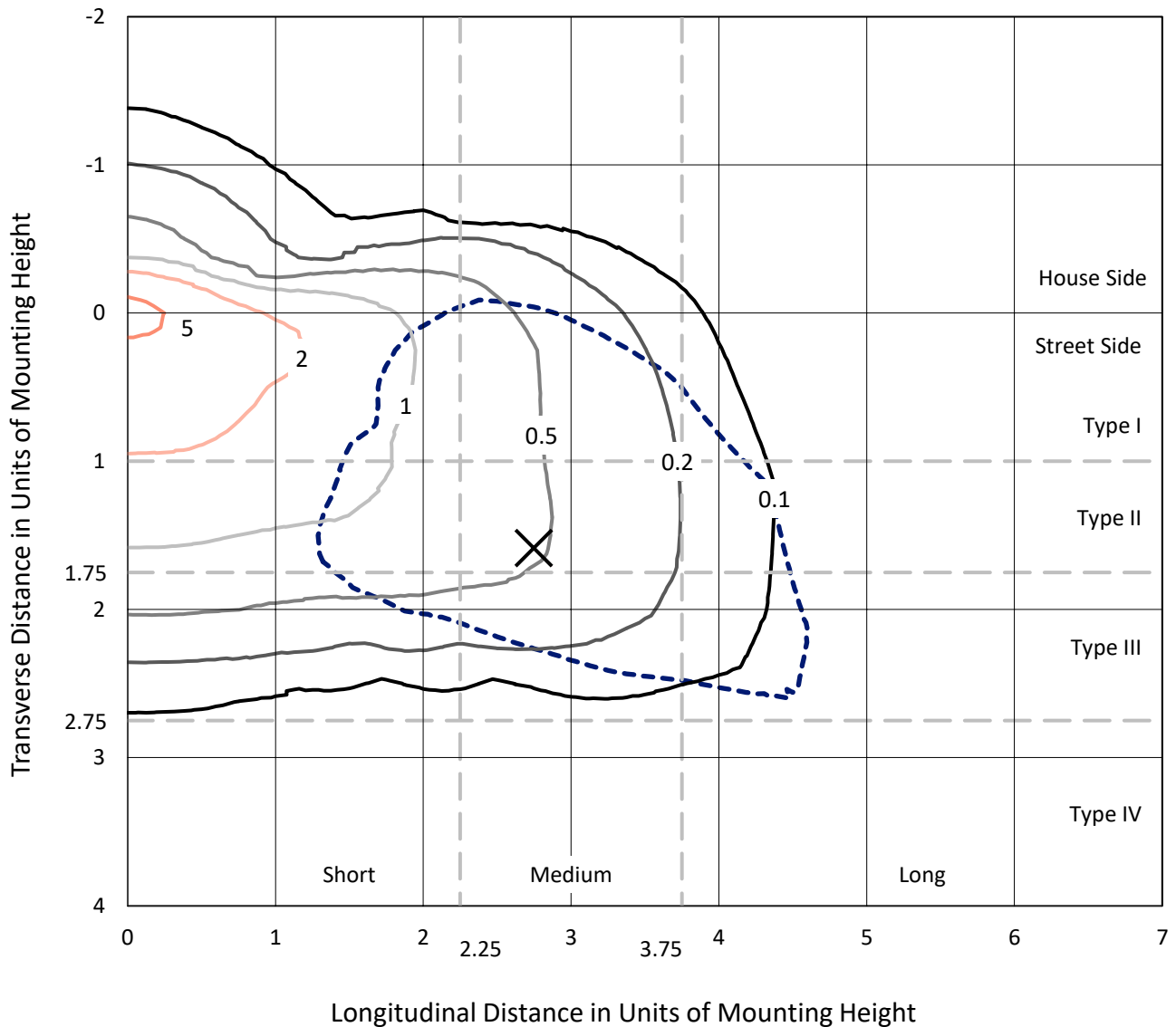
Lumens per Lamp: N/A
Luminaire Lumens: 4969.3 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

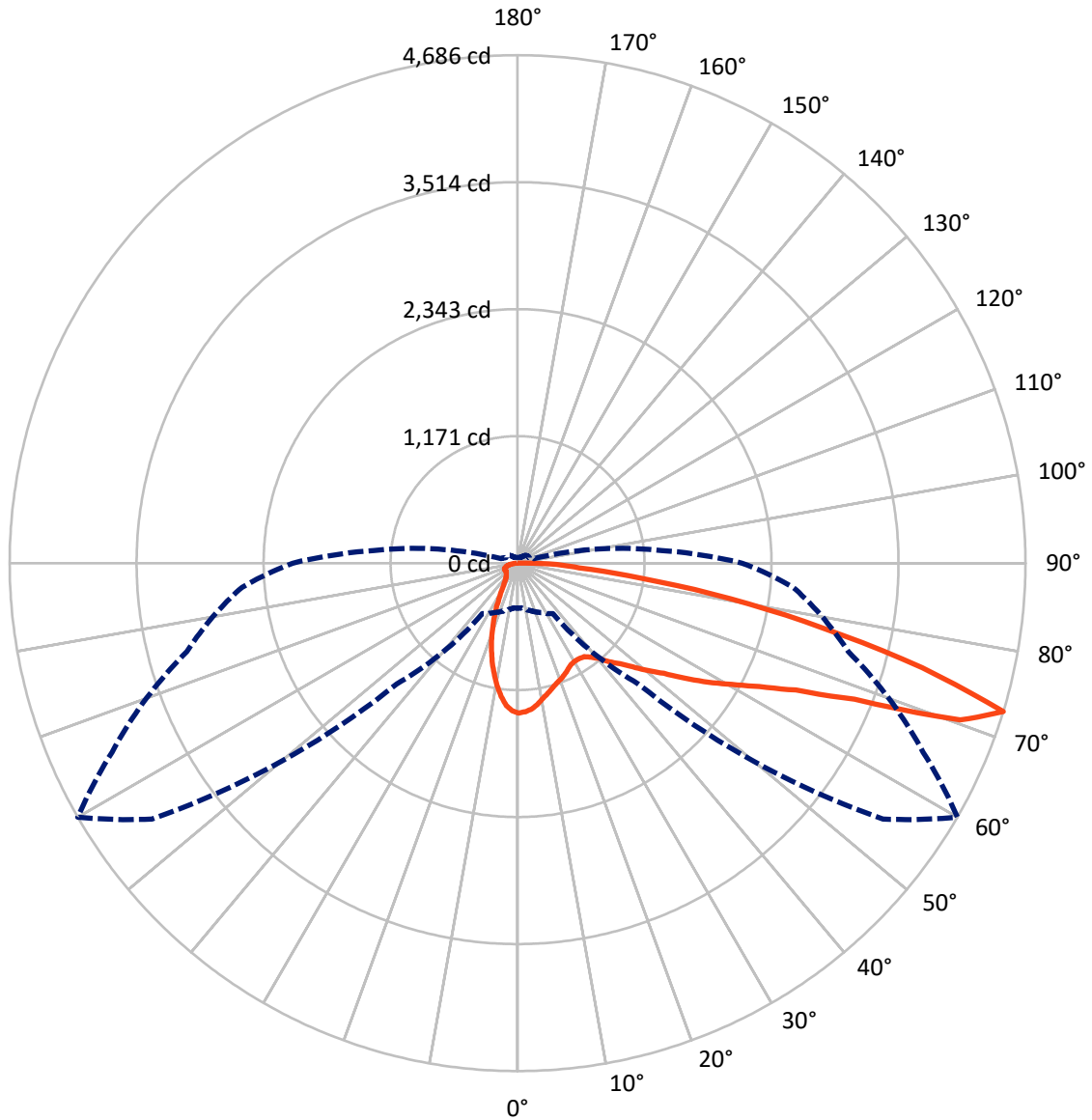
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 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	853.6	0.0	853.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4115.7	0.0	4115.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	4969.3	0.0	4969.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	2.4
10°-20°	272.0	5.5
20°-30°	348.1	7.0
30°-40°	445.3	9.0
40°-50°	610.7	12.3
50°-60°	883.3	17.8
60°-70°	1211.7	24.4
70°-80°	909.3	18.3
80°-90°	169.0	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°	4969.3	100.0
0°-180°	4969.3	100.0



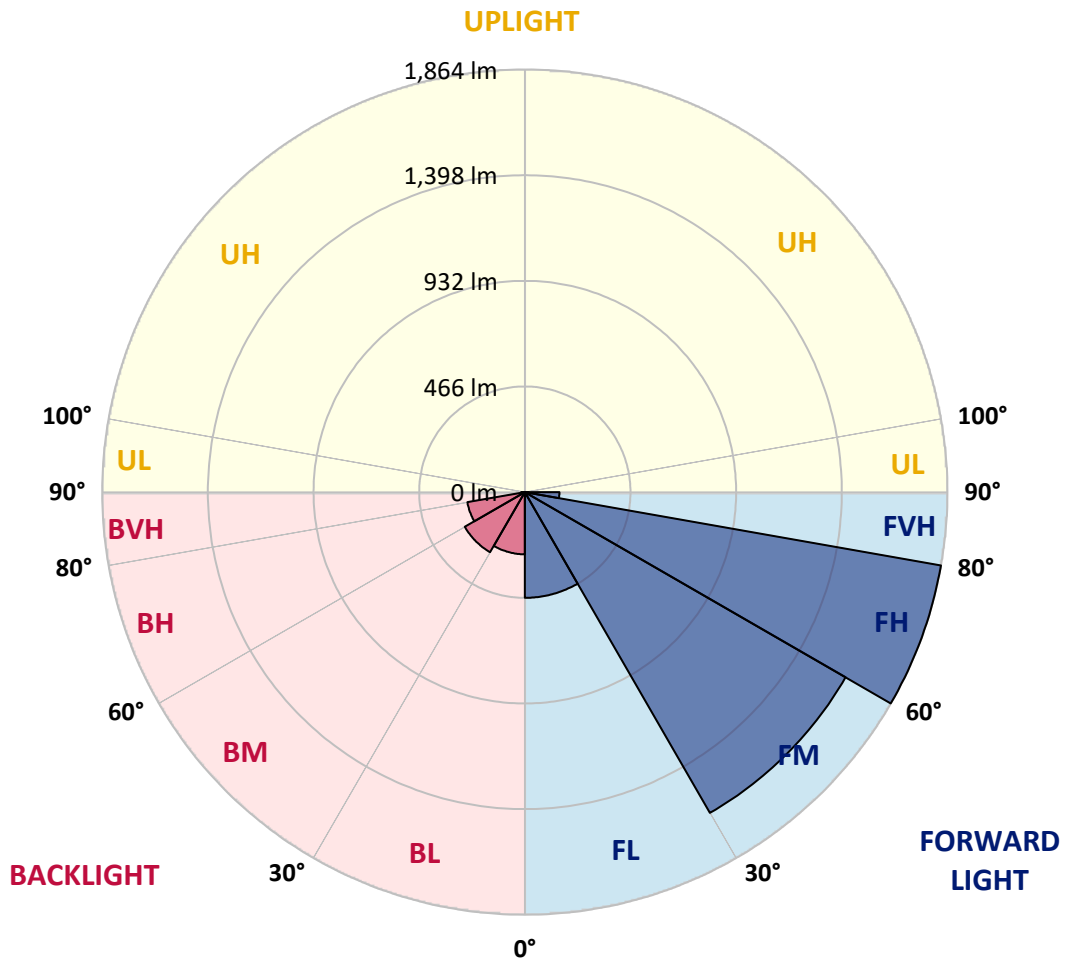
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.9	9.4			
FM (30°-60°)	1633.4	32.9			
FH (60°-80°)	1863.8	37.5			G2/5000
FVH (80°-90°)	152.5	3.1			G2/225
BL (0°-30°)	274.0	5.5	B1/500		
BM (30°-60°)	305.9	6.2	B1/1000		
BH (60°-80°)	257.2	5.2	B1/500		G1/500
BVH (80°-90°)	16.5	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°	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7
2.5°	1354.1	1367.1	1370.8	1370.8	1381.9	1368.9	1387.4	1372.6	1376.3	1381.9	1378.2
5°	1289.4	1311.6	1298.6	1322.7	1313.4	1330.1	1352.3	1352.3	1346.7	1357.8	1348.6
7.5°	1226.5	1219.1	1241.3	1241.3	1256.1	1278.3	1296.8	1315.3	1317.1	1320.8	1319.0
10°	1141.4	1150.6	1161.7	1176.5	1195.0	1217.2	1256.1	1270.9	1274.6	1296.8	1291.2
12.5°	1071.1	1084.0	1091.4	1121.0	1137.7	1169.1	1213.5	1233.9	1235.7	1267.2	1267.2
15°	1019.3	1026.7	1043.3	1054.4	1091.4	1135.8	1178.4	1196.9	1217.2	1250.5	1241.3
17.5°	984.1	993.4	1000.8	1015.6	1050.7	1087.7	1154.3	1165.4	1189.5	1237.6	1226.5
20°	963.8	965.6	976.7	986.0	1017.4	1052.6	1111.8	1141.4	1172.8	1215.4	1204.3
22.5°	967.5	960.1	958.2	971.2	976.7	1010.0	1082.2	1113.6	1158.0	1208.0	1189.5
25°	974.9	976.7	973.0	961.9	963.8	993.4	1041.5	1082.2	1132.1	1206.1	1169.1
27.5°	993.4	1002.6	987.8	976.7	965.6	976.7	1026.7	1056.3	1111.8	1215.4	1167.3
30°	1011.9	1021.1	1017.4	1000.8	978.6	974.9	1010.0	1047.0	1100.7	1222.8	1167.3
32.5°	1039.6	1052.6	1039.6	1045.2	1019.3	1002.6	1015.6	1048.9	1111.8	1248.7	1169.1
35°	1071.1	1082.2	1085.9	1072.9	1067.4	1035.9	1043.3	1060.0	1122.9	1278.3	1187.6
37.5°	1106.2	1119.2	1130.3	1132.1	1113.6	1095.1	1091.4	1100.7	1150.6	1330.1	1208.0
40°	1130.3	1137.7	1159.9	1178.4	1183.9	1158.0	1156.2	1156.2	1200.6	1376.3	1245.0
42.5°	1171.0	1167.3	1198.7	1232.0	1241.3	1226.5	1230.2	1245.0	1270.9	1442.9	1304.2
45°	1191.3	1187.6	1224.6	1280.1	1322.7	1315.3	1319.0	1324.5	1348.6	1548.3	1404.1
47.5°	1219.1	1222.8	1276.4	1339.3	1383.7	1409.6	1430.0	1428.1	1446.6	1655.6	1515.0
50°	1246.8	1254.2	1319.0	1385.6	1463.3	1507.6	1537.2	1557.6	1576.1	1768.5	1642.7
52.5°	1300.5	1307.9	1380.0	1452.2	1552.0	1616.8	1690.8	1688.9	1690.8	1881.3	1770.3
55°	1378.2	1380.0	1422.6	1505.8	1640.8	1759.2	1861.0	1872.1	1840.6	2021.9	1916.5
57.5°	1467.0	1474.3	1511.3	1574.2	1711.1	1896.1	2051.5	2073.7	1988.6	2136.6	2049.7
60°	1550.2	1555.7	1613.1	1685.2	1833.2	2068.2	2243.9	2269.8	2177.3	2277.2	2188.4
62.5°	1455.9	1483.6	1585.3	1750.0	2047.8	2329.0	2488.1	2504.7	2360.4	2419.6	2336.4
65°	1165.4	1183.9	1330.1	1596.4	2062.6	2802.6	2865.5	2821.1	2612.0	2602.8	2560.2
67.5°	649.3	664.1	764.0	1043.3	1737.0	2980.1	3677.6	3352.0	3002.3	2878.4	2863.6
70°	512.4	516.1	529.1	586.4	963.8	2626.8	4317.6	4332.4	3640.6	3257.6	2928.4
72.5°	416.2	414.4	453.2	503.2	569.8	1576.1	4116.0	4685.7	4128.9	3157.7	2551.0
75°	318.2	323.7	373.7	445.8	521.7	741.8	3070.8	3855.1	3868.1	2943.2	2151.4
77.5°	242.3	244.2	299.7	394.0	510.6	523.5	2003.4	2872.9	2885.8	2279.0	1185.8
80°	181.3	181.3	227.5	333.0	497.6	482.8	1233.9	1992.3	1803.6	801.0	259.0
82.5°	103.6	111.0	151.7	253.4	451.4	464.3	695.6	1141.4	762.1	218.3	120.2
85°	55.5	57.3	92.5	170.2	371.8	444.0	530.9	567.9	303.4	116.5	55.5
87.5°	20.3	20.3	42.5	86.9	234.9	329.3	421.8	362.6	173.9	53.6	27.7
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°	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7
2.5°	1381.9	1374.5	1368.9	1374.5	1354.1	1344.9	1356.0	1350.4	1339.3	1333.8	1330.1
5°	1354.1	1344.9	1335.6	1330.1	1307.9	1285.7	1274.6	1252.4	1233.9	1239.4	1228.3
7.5°	1324.5	1315.3	1287.5	1261.6	1217.2	1172.8	1152.5	1121.0	1109.9	1100.7	1095.1
10°	1287.5	1270.9	1228.3	1176.5	1111.8	1061.8	1010.0	973.0	934.2	917.5	923.1
12.5°	1241.3	1232.0	1165.4	1085.9	995.2	912.0	850.9	791.7	739.9	712.2	704.8
15°	1220.9	1193.2	1097.0	991.5	876.8	773.2	682.6	579.0	518.0	488.4	488.4
17.5°	1198.7	1146.9	1032.2	887.9	756.6	623.4	495.8	401.4	353.3	336.7	336.7
20°	1163.6	1106.2	956.4	789.9	630.8	469.9	355.2	303.4	288.6	277.5	279.3
22.5°	1137.7	1067.4	886.1	693.7	499.5	349.6	279.3	262.7	257.1	253.4	255.3
25°	1108.1	1021.1	812.1	590.1	392.2	275.6	242.3	234.9	238.6	240.5	240.5
27.5°	1084.0	982.3	736.3	479.1	296.0	233.1	218.3	216.4	223.8	227.5	229.4
30°	1067.4	947.1	662.3	377.4	236.8	207.2	199.8	199.8	209.0	212.7	214.6
32.5°	1050.7	917.5	582.7	288.6	201.6	185.0	183.1	185.0	190.5	190.5	192.4
35°	1056.3	889.8	506.9	233.1	181.3	170.2	170.2	170.2	172.0	173.9	173.9
37.5°	1067.4	882.4	425.5	196.1	166.5	159.1	159.1	157.2	159.1	157.2	159.1
40°	1078.5	871.3	351.5	173.9	157.2	151.7	149.8	146.1	144.3	144.3	146.1
42.5°	1124.7	886.1	288.6	159.1	149.8	146.1	140.6	136.9	135.0	135.0	135.0
45°	1183.9	913.8	238.6	151.7	144.3	135.0	131.3	129.5	125.8	127.6	129.5
47.5°	1272.7	956.4	209.0	146.1	138.7	127.6	123.9	120.2	120.2	123.9	123.9
50°	1389.3	1026.7	190.5	140.6	133.2	122.1	116.5	114.7	114.7	120.2	120.2
52.5°	1515.0	1108.1	183.1	138.7	127.6	116.5	111.0	109.1	109.1	116.5	116.5
55°	1640.8	1208.0	188.7	138.7	123.9	111.0	105.4	101.7	103.6	109.1	109.1
57.5°	1779.6	1315.3	216.4	138.7	120.2	109.1	101.7	96.2	98.0	99.9	99.9
60°	1931.3	1455.9	264.5	138.7	118.4	105.4	96.2	88.8	88.8	90.6	90.6
62.5°	2084.8	1594.6	333.0	140.6	120.2	103.6	88.8	81.4	79.5	81.4	81.4
65°	2286.4	1816.6	401.4	140.6	125.8	99.9	83.2	74.0	72.1	72.1	74.0
67.5°	2569.5	1975.7	310.8	135.0	129.5	99.9	77.7	68.4	64.7	64.7	64.7
70°	2419.6	1666.7	197.9	125.8	123.9	103.6	74.0	62.9	59.2	57.3	57.3
72.5°	2071.9	1333.8	159.1	118.4	114.7	101.7	70.3	59.2	53.6	51.8	51.8
75°	1661.2	1052.6	138.7	107.3	99.9	85.1	64.7	53.6	49.9	46.2	46.2
77.5°	813.9	440.3	105.4	94.3	85.1	64.7	57.3	49.9	44.4	40.7	40.7
80°	203.5	153.5	77.7	74.0	62.9	49.9	46.2	42.5	38.8	35.1	35.1
82.5°	109.1	90.6	55.5	49.9	42.5	35.1	35.1	33.3	31.4	27.7	25.9
85°	55.5	53.6	37.0	33.3	27.7	22.2	24.0	24.0	22.2	16.6	16.6
87.5°	29.6	29.6	18.5	14.8	12.9	11.1	11.1	11.1	9.2	7.4	7.4
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)