

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: P671327

Luminaire Tested: **CCP-SA-1E-850-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671327
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-850-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5904.5 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

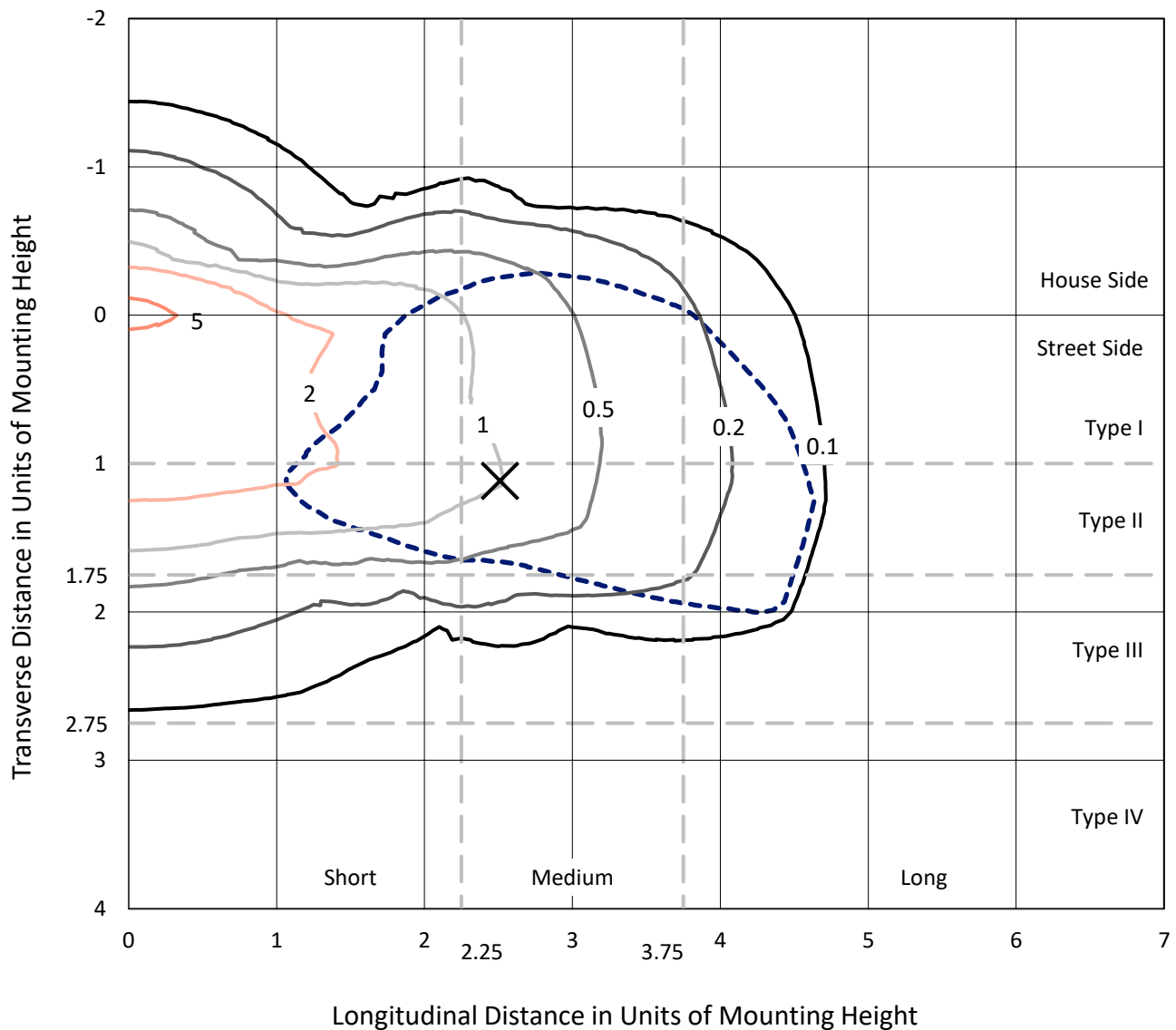
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

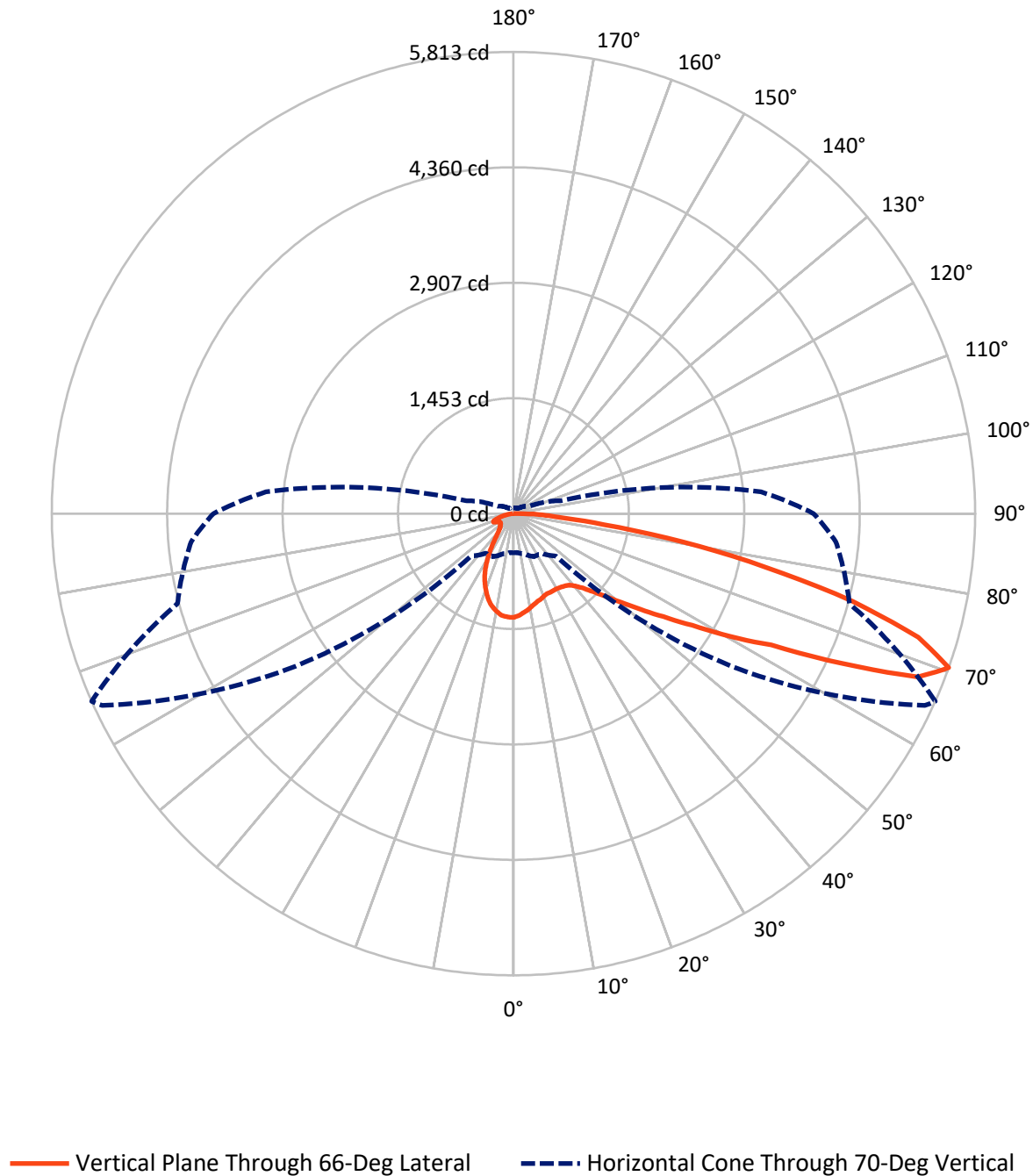
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1208.6	0.0	1208.6
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4695.9	0.0	4695.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	5904.5	0.0	5904.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	2.0
10°-20°	283.9	4.8
20°-30°	390.0	6.6
30°-40°	522.8	8.9
40°-50°	758.6	12.8
50°-60°	1153.1	19.5
60°-70°	1424.1	24.1
70°-80°	1059.0	17.9
80°-90°	197.5	3.3
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°	5904.5	100.0
0°-180°	5904.5	100.0

Coefficient of Utilization



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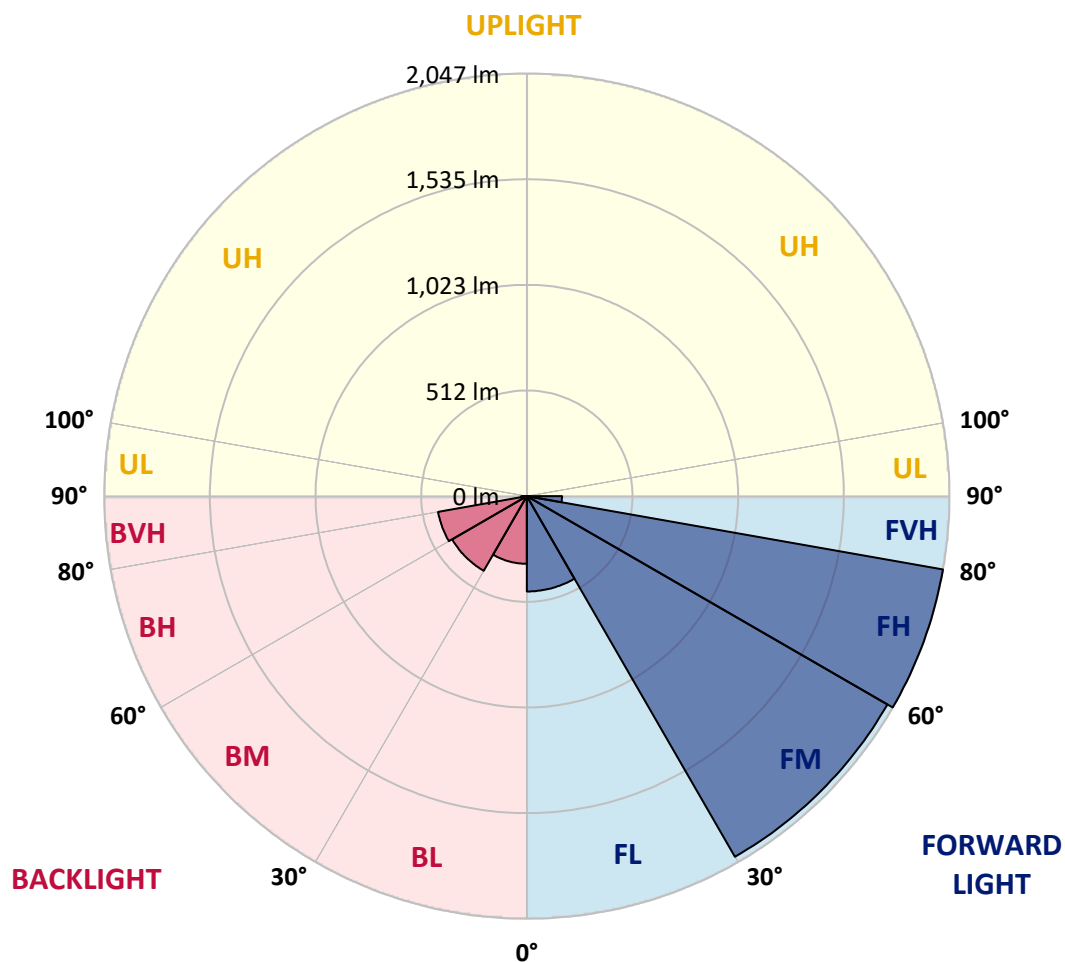
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	461.7	7.8			
FM	(30°-60°)	2017.1	34.2			
FH	(60°-80°)	2046.9	34.7			G2/5000
FVH	(80°-90°)	170.3	2.9			G2/225
BL	(0°-30°)	327.6	5.5	B1/500		
BM	(30°-60°)	417.5	7.1	B1/1000		
BH	(60°-80°)	436.3	7.4	B1/500		G1/500
BVH	(80°-90°)	27.3	0.5			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°	65°	66°	75°	85°
0°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1240.8	1247.4	1249.6	1254.0	1265.0	1273.7	1286.9	1293.5	1286.9	1295.7	1295.7
5°	1155.1	1146.4	1168.3	1177.1	1190.3	1207.9	1238.6	1262.8	1256.2	1282.5	1304.5
7.5°	1082.7	1082.7	1089.3	1109.0	1124.4	1150.8	1183.7	1221.0	1232.0	1267.1	1300.1
10°	1016.8	1025.6	1025.6	1056.3	1065.1	1095.9	1150.8	1196.9	1199.1	1258.4	1304.5
12.5°	981.7	977.3	999.2	1008.0	1034.4	1065.1	1109.0	1166.1	1168.3	1232.0	1295.7
15°	953.1	957.5	968.5	990.4	1014.6	1038.8	1080.5	1133.2	1144.2	1218.8	1291.3
17.5°	955.3	957.5	957.5	972.9	992.6	1021.2	1060.7	1122.2	1128.8	1201.3	1284.7
20°	968.5	959.7	966.3	972.9	986.0	1012.4	1045.3	1098.0	1104.6	1199.1	1300.1
22.5°	997.0	990.4	988.2	986.0	983.9	999.2	1041.0	1084.9	1091.5	1188.1	1306.7
25°	1043.1	1041.0	1025.6	1010.2	999.2	999.2	1032.2	1095.9	1093.7	1188.1	1311.1
27.5°	1098.0	1098.0	1095.9	1067.3	1034.4	1016.8	1038.8	1091.5	1089.3	1188.1	1322.1
30°	1172.7	1172.7	1166.1	1139.8	1080.5	1030.0	1043.1	1087.1	1093.7	1179.3	1313.3
32.5°	1254.0	1251.8	1258.4	1234.2	1172.7	1091.5	1069.5	1095.9	1102.4	1188.1	1315.5
35°	1313.3	1326.4	1348.4	1326.4	1265.0	1155.1	1106.8	1113.4	1117.8	1190.3	1324.2
37.5°	1381.3	1396.7	1427.5	1445.0	1379.1	1251.8	1166.1	1142.0	1142.0	1218.8	1326.4
40°	1480.2	1464.8	1517.5	1548.2	1521.9	1370.4	1258.4	1194.7	1196.9	1256.2	1355.0
42.5°	1552.6	1568.0	1622.9	1677.8	1644.9	1515.3	1359.4	1280.3	1280.3	1311.1	1398.9
45°	1633.9	1651.5	1728.3	1794.2	1818.4	1688.8	1497.7	1403.3	1398.9	1418.7	1478.0
47.5°	1723.9	1748.1	1835.9	1912.8	1976.5	1868.9	1675.6	1552.6	1550.4	1565.8	1609.7
50°	1827.2	1835.9	1908.4	2049.0	2176.3	2108.3	1893.0	1763.5	1752.5	1759.1	1818.4
52.5°	1857.9	1851.3	1934.8	2086.3	2319.1	2400.3	2189.5	2002.8	1998.4	1983.1	2059.9
55°	1745.9	1767.9	1849.1	2042.4	2435.5	2745.1	2514.5	2330.1	2290.5	2248.8	2341.0
57.5°	1521.9	1524.1	1616.3	1844.7	2345.4	3030.6	3065.8	2650.7	2652.9	2540.9	2646.3
60°	1183.7	1177.1	1249.6	1456.0	2088.5	3118.5	3667.5	3162.4	3140.4	2833.0	2929.6
62.5°	854.3	841.1	856.5	977.3	1561.4	2984.5	4258.2	3735.6	3643.3	3131.6	3206.3
65°	702.8	709.3	715.9	722.5	876.2	2461.8	4440.5	4671.1	4548.1	3480.8	3511.6
67.5°	582.0	586.4	614.9	654.4	650.0	1453.8	4229.7	5536.4	5490.2	3913.4	3775.1
70°	494.1	491.9	524.9	597.3	608.3	755.5	3349.0	5714.2	5813.1	4379.0	4073.8
72.5°	395.3	399.7	428.2	524.9	597.3	636.9	1928.2	5332.1	5329.9	4737.0	3913.4
75°	283.3	283.3	322.8	434.8	577.6	630.3	1067.3	4328.5	4409.8	4451.5	3395.2
77.5°	186.7	195.5	226.2	325.0	542.4	617.1	676.4	3147.0	3248.0	3329.3	2598.0
80°	127.4	131.8	151.5	226.2	459.0	621.5	553.4	2117.0	2156.6	1838.1	1054.1
82.5°	76.9	79.1	101.0	158.1	329.4	590.8	520.5	1168.3	1144.2	555.6	303.1
85°	41.7	43.9	63.7	105.4	217.4	516.1	511.7	573.2	533.7	204.2	127.4
87.5°	15.4	15.4	28.5	52.7	125.2	353.6	445.8	340.4	318.4	103.2	59.3
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°	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5	1304.5
2.5°	1306.7	1306.7	1306.7	1306.7	1304.5	1295.7	1302.3	1300.1	1286.9	1289.1	1280.3
5°	1302.3	1313.3	1306.7	1297.9	1286.9	1260.6	1251.8	1245.2	1227.6	1221.0	1227.6
7.5°	1313.3	1304.5	1300.1	1284.7	1240.8	1216.6	1185.9	1148.6	1122.2	1115.6	1122.2
10°	1311.1	1311.1	1291.3	1247.4	1205.7	1135.4	1095.9	1030.0	992.6	981.7	983.9
12.5°	1302.3	1308.9	1278.1	1207.9	1128.8	1043.1	970.7	900.4	834.5	808.2	803.8
15°	1311.1	1304.5	1249.6	1159.5	1049.7	931.1	825.7	722.5	661.0	621.5	612.7
17.5°	1297.9	1291.3	1212.2	1093.7	946.5	795.0	663.2	551.2	489.7	474.4	474.4
20°	1313.3	1271.5	1168.3	1014.6	838.9	645.7	496.3	412.9	397.5	397.5	401.9
22.5°	1311.1	1267.1	1131.0	937.7	709.3	487.5	368.9	344.8	347.0	364.6	362.4
25°	1297.9	1258.4	1078.3	852.1	573.2	366.7	305.3	298.7	314.0	333.8	331.6
27.5°	1295.7	1234.2	1030.0	751.1	437.0	289.9	265.7	265.7	281.1	298.7	296.5
30°	1282.5	1214.4	970.7	636.9	329.4	252.6	243.8	243.8	250.4	259.1	259.1
32.5°	1280.3	1188.1	904.8	518.3	263.5	228.4	224.0	226.2	226.2	230.6	228.4
35°	1262.8	1153.0	836.7	401.9	228.4	215.2	210.8	208.6	208.6	206.4	206.4
37.5°	1256.2	1131.0	766.4	311.8	213.0	204.2	199.8	193.3	191.1	191.1	188.9
40°	1262.8	1109.0	698.4	252.6	199.8	195.5	188.9	180.1	177.9	177.9	177.9
42.5°	1286.9	1106.8	628.1	219.6	193.3	186.7	177.9	169.1	166.9	169.1	166.9
45°	1341.8	1124.4	560.0	204.2	184.5	177.9	166.9	160.3	158.1	160.3	160.3
47.5°	1431.9	1172.7	498.5	195.5	177.9	169.1	158.1	151.5	151.5	151.5	151.5
50°	1581.2	1265.0	439.2	188.9	173.5	162.5	151.5	142.7	140.6	140.6	142.7
52.5°	1805.2	1423.1	390.9	184.5	166.9	153.7	142.7	136.2	131.8	129.6	131.8
55°	2075.3	1653.7	375.5	180.1	158.1	147.1	136.2	127.4	123.0	123.0	120.8
57.5°	2365.2	1908.4	401.9	175.7	151.5	138.4	127.4	118.6	114.2	112.0	112.0
60°	2679.2	2209.3	498.5	173.5	144.9	129.6	118.6	112.0	105.4	103.2	103.2
62.5°	2964.7	2481.6	672.0	171.3	140.6	120.8	109.8	101.0	96.6	94.4	94.4
65°	3289.8	2784.7	841.1	180.1	138.4	114.2	101.0	92.2	87.8	85.6	85.6
67.5°	3573.1	3048.2	939.9	202.0	144.9	105.4	90.0	83.5	81.3	79.1	79.1
70°	3779.5	3129.4	630.3	221.8	155.9	98.8	81.3	76.9	72.5	72.5	72.5
72.5°	3502.8	2793.4	373.3	208.6	147.1	92.2	72.5	68.1	65.9	65.9	63.7
75°	2995.5	2378.4	287.7	169.1	118.6	79.1	63.7	59.3	57.1	57.1	54.9
77.5°	2211.5	1704.2	213.0	134.0	92.2	63.7	54.9	52.7	50.5	48.3	48.3
80°	865.3	746.7	144.9	98.8	68.1	50.5	46.1	43.9	41.7	39.5	39.5
82.5°	267.9	226.2	83.5	65.9	48.3	39.5	37.3	35.1	32.9	30.7	30.7
85°	116.4	112.0	54.9	41.7	32.9	26.4	26.4	24.2	22.0	19.8	19.8
87.5°	57.1	54.9	30.7	19.8	17.6	13.2	13.2	11.0	8.8	8.8	8.8
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)