

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: P671428

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671428
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL3 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

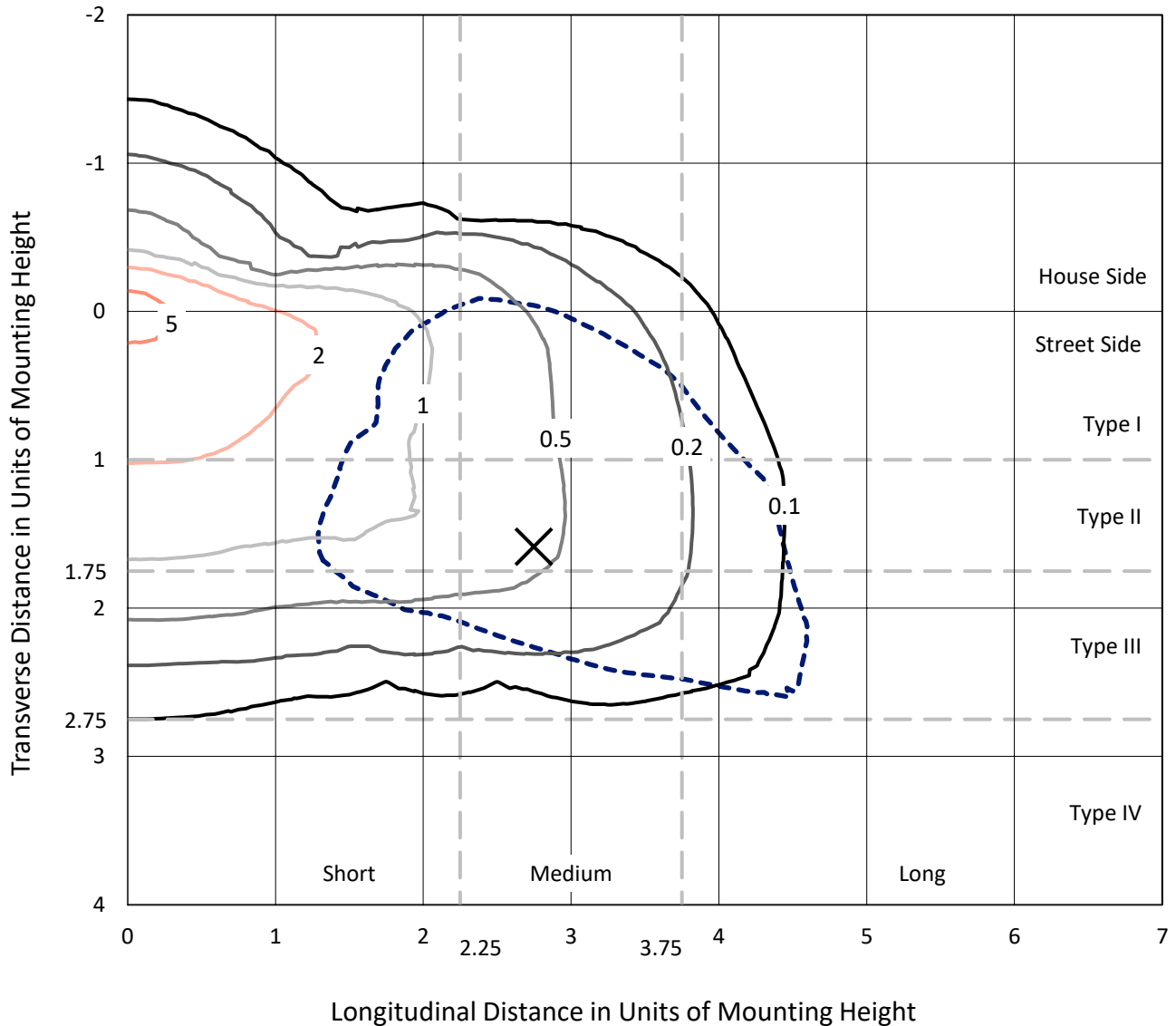
Lumens per Lamp: N/A
Luminaire Lumens: 5449.5 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

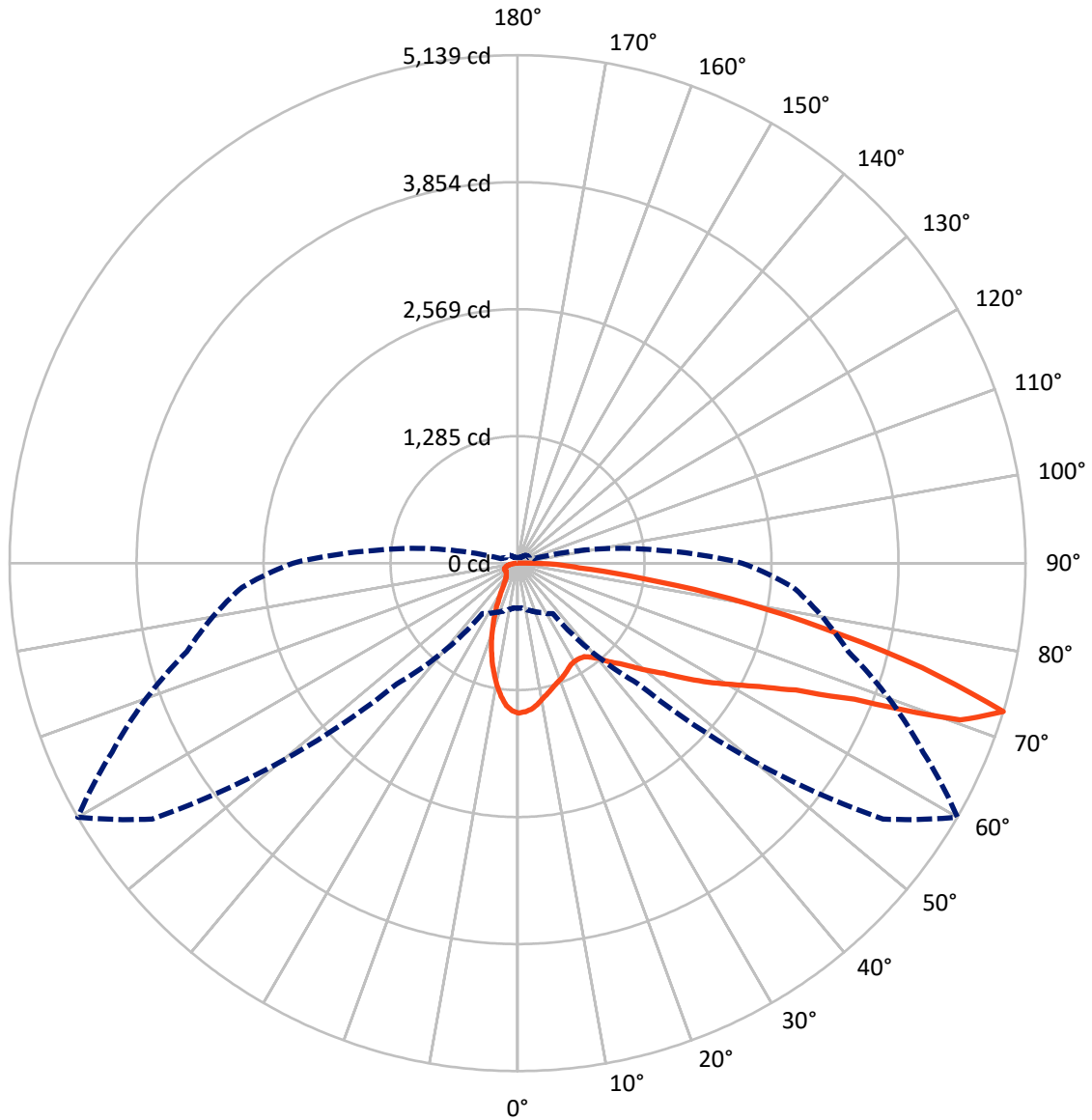
× Max cd
 - - - 1/2 Max cd



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	936.1	0.0	936.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4513.3	0.0	4513.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	5449.5	0.0	5449.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	2.4
10°-20°	298.2	5.5
20°-30°	381.7	7.0
30°-40°	488.3	9.0
40°-50°	669.7	12.3
50°-60°	968.7	17.8
60°-70°	1328.8	24.4
70°-80°	997.2	18.3
80°-90°	185.3	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°	5449.5	100.0
0°-180°	5449.5	100.0



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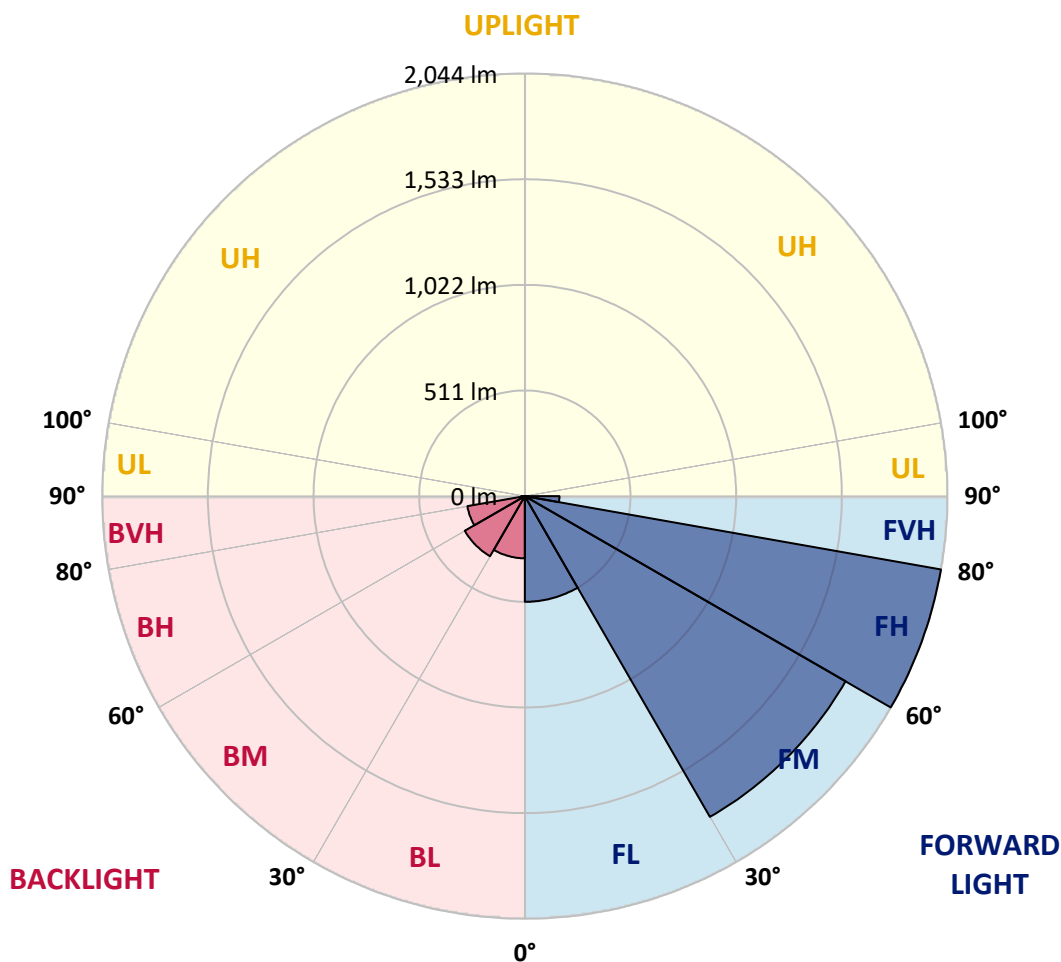
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	511.0	9.4			
FM (30°-60°)	1791.2	32.9			
FH (60°-80°)	2043.9	37.5			G2/5000
FVH (80°-90°)	167.3	3.1			G2/225
BL (0°-30°)	300.5	5.5	B1/500		
BM (30°-60°)	335.5	6.2	B1/1000		
BH (60°-80°)	282.1	5.2	B1/500		G1/500
BVH (80°-90°)	18.1	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°	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4
2.5°	1485.0	1499.2	1503.2	1503.2	1515.4	1501.2	1521.5	1505.2	1509.3	1515.4	1511.3
5°	1414.0	1438.3	1424.1	1450.5	1440.3	1458.6	1482.9	1482.9	1476.8	1489.0	1478.9
7.5°	1345.0	1336.9	1361.2	1361.2	1377.4	1401.8	1422.1	1442.4	1444.4	1448.4	1446.4
10°	1251.7	1261.8	1274.0	1290.2	1310.5	1334.8	1377.4	1393.7	1397.7	1422.1	1416.0
12.5°	1174.6	1188.8	1196.9	1229.3	1247.6	1282.1	1330.8	1353.1	1355.1	1389.6	1389.6
15°	1117.8	1125.9	1144.1	1156.3	1196.9	1245.6	1292.2	1312.5	1334.8	1371.3	1361.2
17.5°	1079.2	1089.4	1097.5	1113.7	1152.3	1192.8	1265.9	1278.0	1304.4	1357.1	1345.0
20°	1056.9	1058.9	1071.1	1081.3	1115.7	1154.3	1219.2	1251.7	1286.1	1332.8	1320.6
22.5°	1061.0	1052.9	1050.8	1065.0	1071.1	1107.6	1186.7	1221.2	1269.9	1324.7	1304.4
25°	1069.1	1071.1	1067.1	1054.9	1056.9	1089.4	1142.1	1186.7	1241.5	1322.7	1282.1
27.5°	1089.4	1099.5	1083.3	1071.1	1058.9	1071.1	1125.9	1158.3	1219.2	1332.8	1280.1
30°	1109.7	1119.8	1115.7	1097.5	1073.1	1069.1	1107.6	1148.2	1207.0	1340.9	1280.1
32.5°	1140.1	1154.3	1140.1	1146.2	1117.8	1099.5	1113.7	1150.2	1219.2	1369.3	1282.1
35°	1174.6	1186.7	1190.8	1176.6	1170.5	1136.0	1144.1	1162.4	1231.4	1401.8	1302.4
37.5°	1213.1	1227.3	1239.5	1241.5	1221.2	1200.9	1196.9	1207.0	1261.8	1458.6	1324.7
40°	1239.5	1247.6	1271.9	1292.2	1298.3	1269.9	1267.9	1267.9	1316.6	1509.3	1365.3
42.5°	1284.1	1280.1	1314.5	1351.1	1361.2	1345.0	1349.0	1365.3	1393.7	1582.3	1430.2
45°	1306.4	1302.4	1342.9	1403.8	1450.5	1442.4	1446.4	1452.5	1478.9	1698.0	1539.7
47.5°	1336.9	1340.9	1399.8	1468.7	1517.4	1545.8	1568.1	1566.1	1586.4	1815.6	1661.4
50°	1367.3	1375.4	1446.4	1519.4	1604.6	1653.3	1685.8	1708.1	1728.4	1939.4	1801.4
52.5°	1426.1	1434.2	1513.4	1592.5	1702.0	1773.0	1854.2	1852.1	1854.2	2063.1	1941.4
55°	1511.3	1513.4	1560.0	1651.3	1799.4	1929.2	2040.8	2053.0	2018.5	2217.3	2101.7
57.5°	1608.7	1616.8	1657.4	1726.4	1876.5	2079.3	2249.7	2274.1	2180.8	2343.1	2247.7
60°	1700.0	1706.1	1769.0	1848.1	2010.4	2268.0	2460.7	2489.1	2387.7	2497.2	2399.9
62.5°	1596.5	1627.0	1738.5	1919.1	2245.7	2554.0	2728.5	2746.8	2588.5	2653.4	2562.2
65°	1278.0	1298.3	1458.6	1750.7	2261.9	3073.4	3142.3	3093.7	2864.4	2854.3	2807.6
67.5°	712.0	728.3	837.8	1144.1	1904.9	3268.1	4032.9	3675.9	3292.5	3156.5	3140.3
70°	561.9	566.0	580.2	643.1	1056.9	2880.6	4734.8	4751.0	3992.3	3572.4	3211.3
72.5°	456.4	454.4	497.0	551.8	624.8	1728.4	4513.7	5138.5	4527.9	3462.9	2797.5
75°	348.9	355.0	409.8	488.9	572.1	813.5	3367.5	4227.7	4241.9	3227.5	2359.3
77.5°	265.7	267.8	328.6	432.1	559.9	574.1	2197.0	3150.5	3164.7	2499.3	1300.3
80°	198.8	198.8	249.5	365.2	545.7	529.5	1353.1	2184.8	1977.9	878.4	284.0
82.5°	113.6	121.7	166.3	277.9	495.0	509.2	762.8	1251.7	835.8	239.4	131.9
85°	60.9	62.9	101.4	186.6	407.8	486.9	582.2	622.8	332.7	127.8	60.9
87.5°	22.3	22.3	46.7	95.3	257.6	361.1	462.5	397.6	190.7	58.8	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°	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4	1517.4
2.5°	1515.4	1507.3	1501.2	1507.3	1485.0	1474.8	1487.0	1480.9	1468.7	1462.6	1458.6
5°	1485.0	1474.8	1464.7	1458.6	1434.2	1409.9	1397.7	1373.4	1353.1	1359.2	1347.0
7.5°	1452.5	1442.4	1411.9	1383.5	1334.8	1286.1	1263.8	1229.3	1217.2	1207.0	1200.9
10°	1411.9	1393.7	1347.0	1290.2	1219.2	1164.4	1107.6	1067.1	1024.5	1006.2	1012.3
12.5°	1361.2	1351.1	1278.0	1190.8	1091.4	1000.1	933.2	868.3	811.4	781.0	772.9
15°	1338.9	1308.5	1203.0	1087.3	961.6	848.0	748.6	635.0	568.0	535.6	535.6
17.5°	1314.5	1257.7	1132.0	973.7	829.7	683.6	543.7	440.2	387.5	369.2	369.2
20°	1276.0	1213.1	1048.8	866.2	691.8	515.3	389.5	332.7	316.5	304.3	306.3
22.5°	1247.6	1170.5	971.7	760.7	547.7	383.4	306.3	288.1	282.0	277.9	280.0
25°	1215.1	1119.8	890.6	647.1	430.1	302.3	265.7	257.6	261.7	263.7	263.7
27.5°	1188.8	1077.2	807.4	525.4	324.6	255.6	239.4	237.3	245.5	249.5	251.5
30°	1170.5	1038.7	726.2	413.8	259.7	227.2	219.1	219.1	229.2	233.3	235.3
32.5°	1152.3	1006.2	639.0	316.5	221.1	202.9	200.8	202.9	208.9	208.9	211.0
35°	1158.3	975.8	555.8	255.6	198.8	186.6	186.6	186.6	188.7	190.7	190.7
37.5°	1170.5	967.7	466.6	215.0	182.6	174.5	174.5	172.4	174.5	172.4	174.5
40°	1182.7	955.5	385.4	190.7	172.4	166.3	164.3	160.3	158.2	158.2	160.3
42.5°	1233.4	971.7	316.5	174.5	164.3	160.3	154.2	150.1	148.1	148.1	148.1
45°	1298.3	1002.1	261.7	166.3	158.2	148.1	144.0	142.0	137.9	140.0	142.0
47.5°	1395.7	1048.8	229.2	160.3	152.1	140.0	135.9	131.9	131.9	135.9	135.9
50°	1523.5	1125.9	208.9	154.2	146.1	133.9	127.8	125.8	125.8	131.9	131.9
52.5°	1661.4	1215.1	200.8	152.1	140.0	127.8	121.7	119.7	119.7	127.8	127.8
55°	1799.4	1324.7	206.9	152.1	135.9	121.7	115.6	111.6	113.6	119.7	119.7
57.5°	1951.5	1442.4	237.3	152.1	131.9	119.7	111.6	105.5	107.5	109.5	109.5
60°	2117.9	1596.5	290.1	152.1	129.8	115.6	105.5	97.4	97.4	99.4	99.4
62.5°	2286.3	1748.7	365.2	154.2	131.9	113.6	97.4	89.3	87.2	89.3	89.3
65°	2507.4	1992.1	440.2	154.2	137.9	109.5	91.3	81.1	79.1	79.1	81.1
67.5°	2817.8	2166.6	340.8	148.1	142.0	109.5	85.2	75.1	71.0	71.0	71.0
70°	2653.4	1827.8	217.1	137.9	135.9	113.6	81.1	69.0	64.9	62.9	62.9
72.5°	2272.1	1462.6	174.5	129.8	125.8	111.6	77.1	64.9	58.8	56.8	56.8
75°	1821.7	1154.3	152.1	117.7	109.5	93.3	71.0	58.8	54.8	50.7	50.7
77.5°	892.6	482.8	115.6	103.5	93.3	71.0	62.9	54.8	48.7	44.6	44.6
80°	223.1	168.4	85.2	81.1	69.0	54.8	50.7	46.7	42.6	38.5	38.5
82.5°	119.7	99.4	60.9	54.8	46.7	38.5	38.5	36.5	34.5	30.4	28.4
85°	60.9	58.8	40.6	36.5	30.4	24.3	26.4	26.4	24.3	18.3	18.3
87.5°	32.5	32.5	20.3	16.2	14.2	12.2	12.2	12.2	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)