

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: P675515

Luminaire Tested: **CCW-SA-1F-722-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675515
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-722-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SL3 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

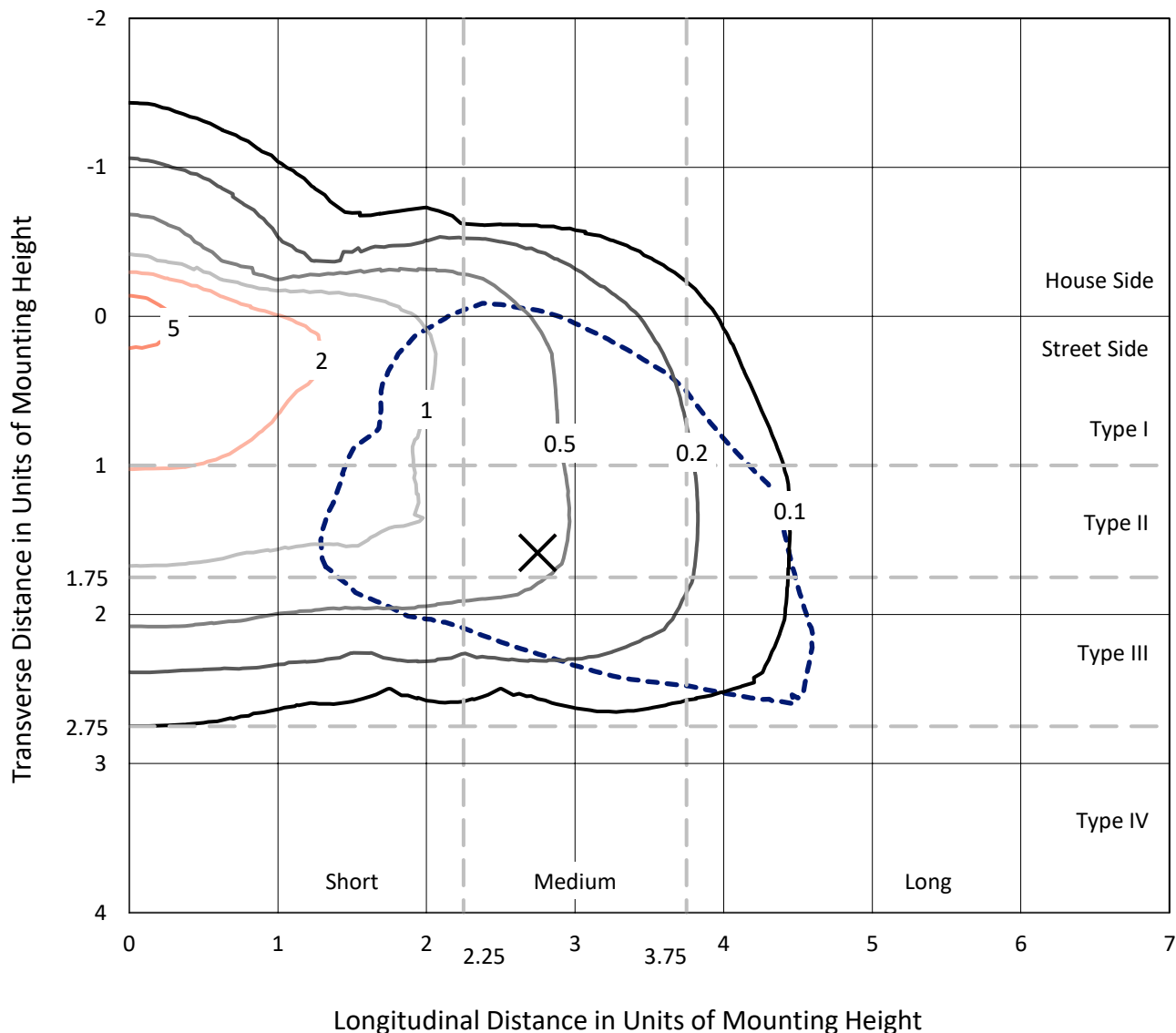
Lumens per Lamp: N/A
Luminaire Lumens: 5460.6 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

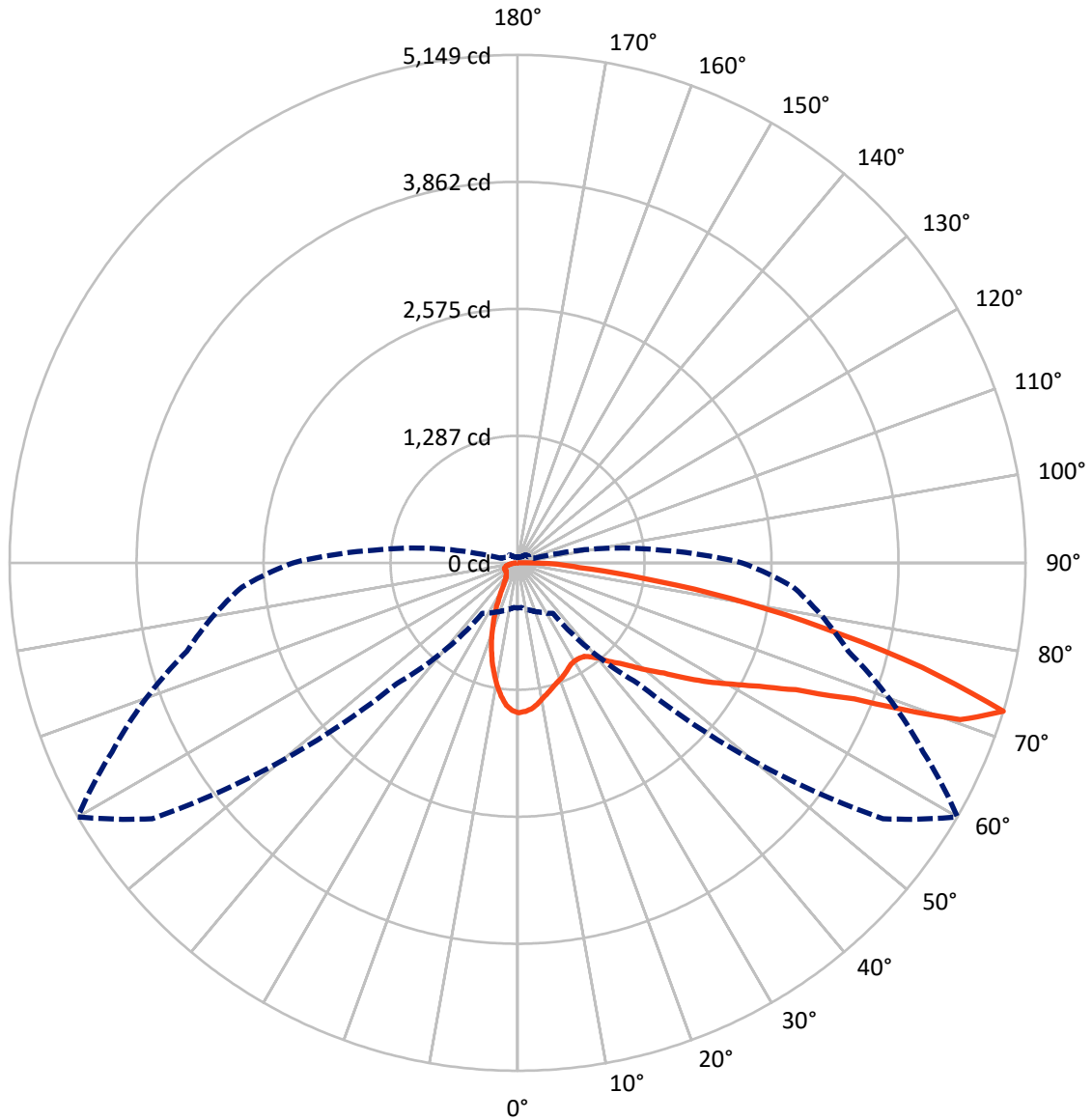
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 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	938.0	0.0	938.0
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4522.6	0.0	4522.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	5460.6	0.0	5460.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	2.4
10°-20°	298.9	5.5
20°-30°	382.5	7.0
30°-40°	489.3	9.0
40°-50°	671.1	12.3
50°-60°	970.6	17.8
60°-70°	1331.5	24.4
70°-80°	999.2	18.3
80°-90°	185.7	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°	5460.6	100.0
0°-180°	5460.6	100.0

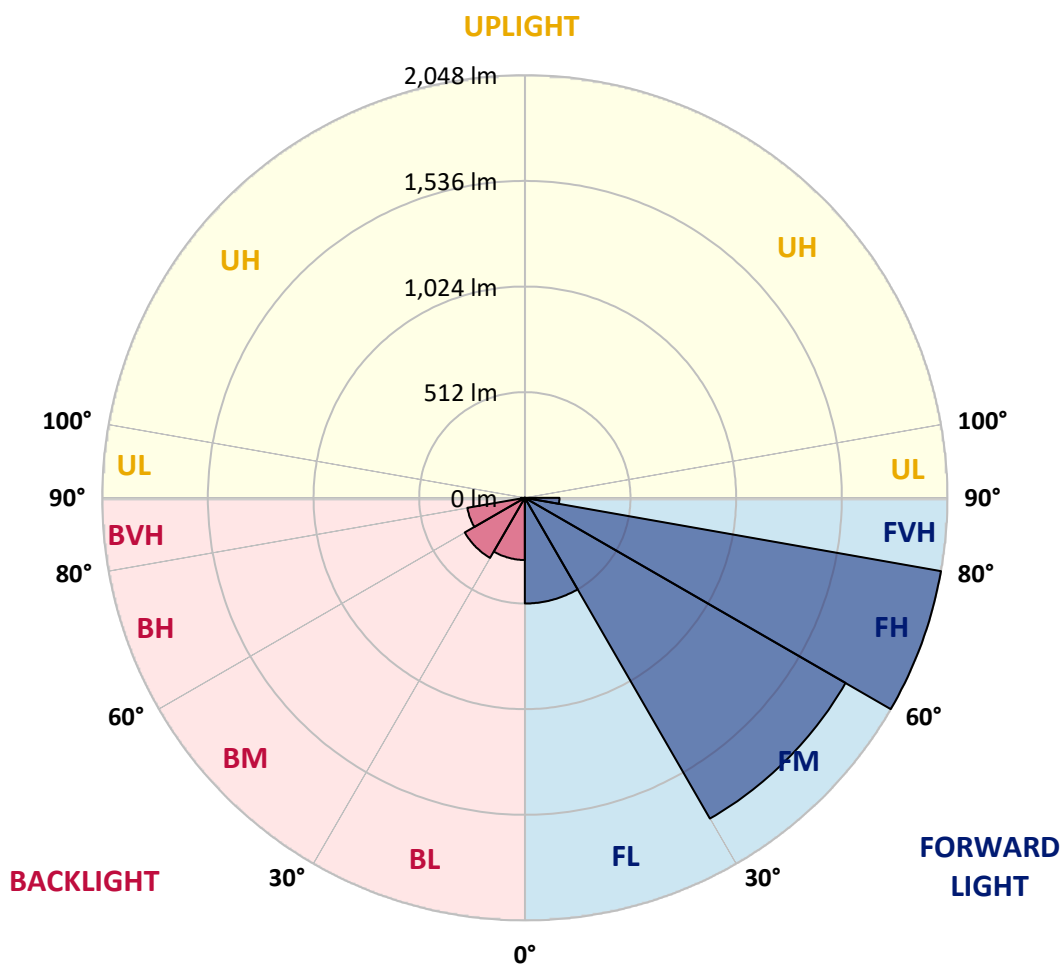


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.0	9.4			
FM (30°-60°)	1794.9	32.9			
FH (60°-80°)	2048.1	37.5			G2/5000
FVH (80°-90°)	167.6	3.1			G2/225
BL (0°-30°)	301.1	5.5	B1/500		
BM (30°-60°)	336.2	6.2	B1/1000		
BH (60°-80°)	282.7	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°	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5
2.5°	1488.0	1502.2	1506.3	1506.3	1518.5	1504.2	1524.6	1508.3	1512.4	1518.5	1514.4
5°	1416.8	1441.2	1427.0	1453.4	1443.3	1461.6	1485.9	1485.9	1479.9	1492.0	1481.9
7.5°	1347.7	1339.6	1364.0	1364.0	1380.2	1404.6	1425.0	1445.3	1447.3	1451.4	1449.4
10°	1254.2	1264.4	1276.6	1292.8	1313.2	1337.6	1380.2	1396.5	1400.6	1425.0	1418.9
12.5°	1177.0	1191.2	1199.3	1231.9	1250.1	1284.7	1333.5	1355.9	1357.9	1392.4	1392.4
15°	1120.1	1128.2	1146.5	1158.7	1199.3	1248.1	1294.9	1315.2	1337.6	1374.1	1364.0
17.5°	1081.4	1091.6	1099.7	1116.0	1154.6	1195.3	1268.4	1280.6	1307.1	1359.9	1347.7
20°	1059.1	1061.1	1073.3	1083.5	1118.0	1156.6	1221.7	1254.2	1288.8	1335.5	1323.3
22.5°	1063.1	1055.0	1053.0	1067.2	1073.3	1109.9	1189.2	1223.7	1272.5	1327.4	1307.1
25°	1071.3	1073.3	1069.2	1057.0	1059.1	1091.6	1144.4	1189.2	1244.1	1325.4	1284.7
27.5°	1091.6	1101.8	1085.5	1073.3	1061.1	1073.3	1128.2	1160.7	1221.7	1335.5	1282.7
30°	1111.9	1122.1	1118.0	1099.7	1075.3	1071.3	1109.9	1150.5	1209.5	1343.7	1282.7
32.5°	1142.4	1156.6	1142.4	1148.5	1120.1	1101.8	1116.0	1152.6	1221.7	1372.1	1284.7
35°	1177.0	1189.2	1193.2	1179.0	1172.9	1138.3	1146.5	1164.8	1233.9	1404.6	1305.0
37.5°	1215.6	1229.8	1242.0	1244.1	1223.7	1203.4	1199.3	1209.5	1264.4	1461.6	1327.4
40°	1242.0	1250.1	1274.5	1294.9	1301.0	1272.5	1270.5	1270.5	1319.3	1512.4	1368.0
42.5°	1286.7	1282.7	1317.2	1353.8	1364.0	1347.7	1351.8	1368.0	1396.5	1585.6	1433.1
45°	1309.1	1305.0	1345.7	1406.7	1453.4	1445.3	1449.4	1455.5	1481.9	1701.4	1542.9
47.5°	1339.6	1343.7	1402.6	1471.7	1520.5	1549.0	1571.3	1569.3	1589.6	1819.3	1664.8
50°	1370.1	1378.2	1449.4	1522.5	1607.9	1656.7	1689.2	1711.6	1731.9	1943.3	1805.1
52.5°	1429.0	1437.2	1516.4	1595.7	1705.5	1776.6	1857.9	1855.9	1857.9	2067.3	1945.4
55°	1514.4	1516.4	1563.2	1654.7	1803.1	1933.2	2045.0	2057.2	2022.6	2221.8	2105.9
57.5°	1612.0	1620.1	1660.8	1729.9	1880.3	2083.6	2254.3	2278.7	2185.2	2347.8	2252.3
60°	1703.5	1709.6	1772.6	1851.8	2014.5	2272.6	2465.7	2494.2	2392.6	2502.3	2404.8
62.5°	1599.8	1630.3	1742.1	1923.0	2250.3	2559.2	2734.1	2752.4	2593.8	2658.9	2567.4
65°	1280.6	1301.0	1461.6	1754.3	2266.5	3079.6	3148.7	3100.0	2870.3	2860.1	2813.3
67.5°	713.5	729.8	839.5	1146.5	1908.8	3274.8	4041.1	3683.4	3299.2	3163.0	3146.7
70°	563.1	567.1	581.4	644.4	1059.1	2886.5	4744.5	4760.7	4000.5	3579.7	3217.9
72.5°	457.4	455.3	498.0	552.9	626.1	1731.9	4522.9	5149.0	4537.1	3469.9	2803.2
75°	349.6	355.7	410.6	489.9	573.2	815.1	3374.4	4236.3	4250.5	3234.1	2364.1
77.5°	266.3	268.3	329.3	433.0	561.0	575.3	2201.5	3156.9	3171.1	2504.4	1303.0
80°	199.2	199.2	250.0	365.9	546.8	530.6	1355.9	2189.3	1981.9	880.2	284.6
82.5°	113.8	122.0	166.7	278.5	496.0	510.2	764.3	1254.2	837.5	239.9	132.1
85°	61.0	63.0	101.6	187.0	408.6	487.9	583.4	624.1	333.4	128.1	61.0
87.5°	22.4	22.4	46.8	95.5	258.2	361.8	463.5	398.4	191.1	59.0	30.5
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°	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5	1520.5
2.5°	1518.5	1510.3	1504.2	1510.3	1488.0	1477.8	1490.0	1483.9	1471.7	1465.6	1461.6
5°	1488.0	1477.8	1467.7	1461.6	1437.2	1412.8	1400.6	1376.2	1355.9	1362.0	1349.8
7.5°	1455.5	1445.3	1414.8	1386.3	1337.6	1288.8	1266.4	1231.9	1219.7	1209.5	1203.4
10°	1414.8	1396.5	1349.8	1292.8	1221.7	1166.8	1109.9	1069.2	1026.5	1008.3	1014.3
12.5°	1364.0	1353.8	1280.6	1193.2	1093.6	1002.2	935.1	870.0	813.1	782.6	774.5
15°	1341.6	1311.1	1205.4	1089.6	963.5	849.7	750.1	636.3	569.2	536.6	536.6
17.5°	1317.2	1260.3	1134.3	975.7	831.4	685.0	544.8	441.1	388.3	370.0	370.0
20°	1278.6	1215.6	1050.9	868.0	693.2	516.3	390.3	333.4	317.1	304.9	306.9
22.5°	1250.1	1172.9	973.7	762.3	548.8	384.2	306.9	288.7	282.6	278.5	280.5
25°	1217.6	1122.1	892.4	648.5	430.9	302.9	266.3	258.2	262.2	264.3	264.3
27.5°	1191.2	1079.4	809.0	526.5	325.2	256.1	239.9	237.8	246.0	250.0	252.1
30°	1172.9	1040.8	727.7	414.7	260.2	227.7	219.5	219.5	229.7	233.8	235.8
32.5°	1154.6	1008.3	640.3	317.1	221.6	203.3	201.2	203.3	209.4	209.4	211.4
35°	1160.7	977.8	557.0	256.1	199.2	187.0	187.0	187.0	189.0	191.1	191.1
37.5°	1172.9	969.6	467.5	215.5	182.9	174.8	174.8	172.8	174.8	172.8	174.8
40°	1185.1	957.4	386.2	191.1	172.8	166.7	164.7	160.6	158.6	158.6	160.6
42.5°	1235.9	973.7	317.1	174.8	164.7	160.6	154.5	150.4	148.4	148.4	148.4
45°	1301.0	1004.2	262.2	166.7	158.6	148.4	144.3	142.3	138.2	140.3	142.3
47.5°	1398.5	1050.9	229.7	160.6	152.5	140.3	136.2	132.1	132.1	136.2	136.2
50°	1526.6	1128.2	209.4	154.5	146.4	134.2	128.1	126.0	126.0	132.1	132.1
52.5°	1664.8	1217.6	201.2	152.5	140.3	128.1	122.0	119.9	119.9	128.1	128.1
55°	1803.1	1327.4	207.3	152.5	136.2	122.0	115.9	111.8	113.8	119.9	119.9
57.5°	1955.5	1445.3	237.8	152.5	132.1	119.9	111.8	105.7	107.7	109.8	109.8
60°	2122.2	1599.8	290.7	152.5	130.1	115.9	105.7	97.6	97.6	99.6	99.6
62.5°	2290.9	1752.2	365.9	154.5	132.1	113.8	97.6	89.4	87.4	89.4	89.4
65°	2512.5	1996.2	441.1	154.5	138.2	109.8	91.5	81.3	79.3	79.3	81.3
67.5°	2823.5	2171.0	341.5	148.4	142.3	109.8	85.4	75.2	71.1	71.1	71.1
70°	2658.9	1831.5	217.5	138.2	136.2	113.8	81.3	69.1	65.0	63.0	63.0
72.5°	2276.7	1465.6	174.8	130.1	126.0	111.8	77.2	65.0	59.0	56.9	56.9
75°	1825.4	1156.6	152.5	117.9	109.8	93.5	71.1	59.0	54.9	50.8	50.8
77.5°	894.4	483.8	115.9	103.7	93.5	71.1	63.0	54.9	48.8	44.7	44.7
80°	223.6	168.7	85.4	81.3	69.1	54.9	50.8	46.8	42.7	38.6	38.6
82.5°	119.9	99.6	61.0	54.9	46.8	38.6	38.6	36.6	34.6	30.5	28.5
85°	61.0	59.0	40.7	36.6	30.5	24.4	26.4	26.4	24.4	18.3	18.3
87.5°	32.5	32.5	20.3	16.3	14.2	12.2	12.2	12.2	10.2	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)