

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: P676866

Luminaire Tested: **CCW-SA-1F-750-U-SL2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676866  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1F-750-U-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

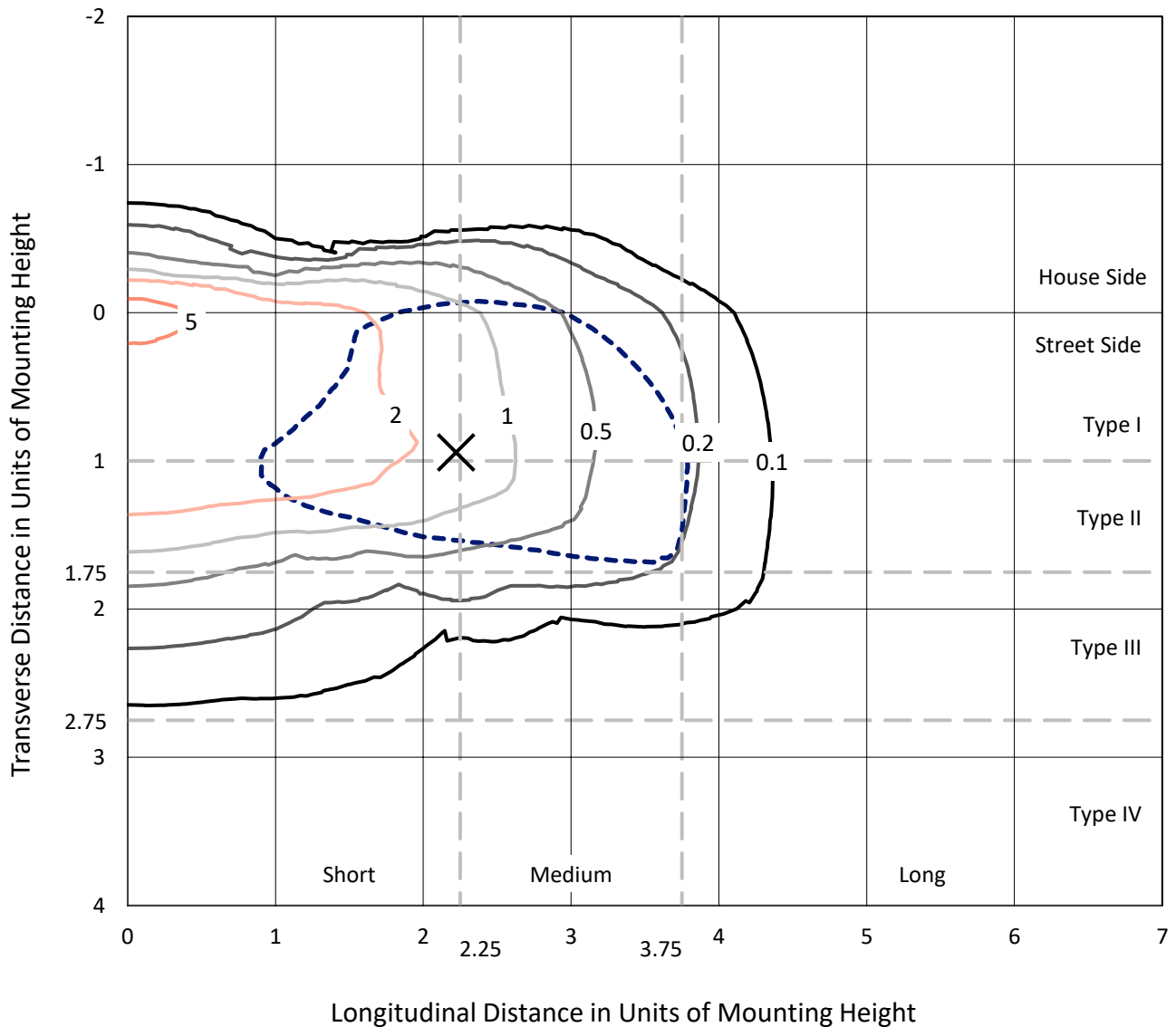
Lumens per Lamp: N/A  
Luminaire Lumens: 6167.4 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

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

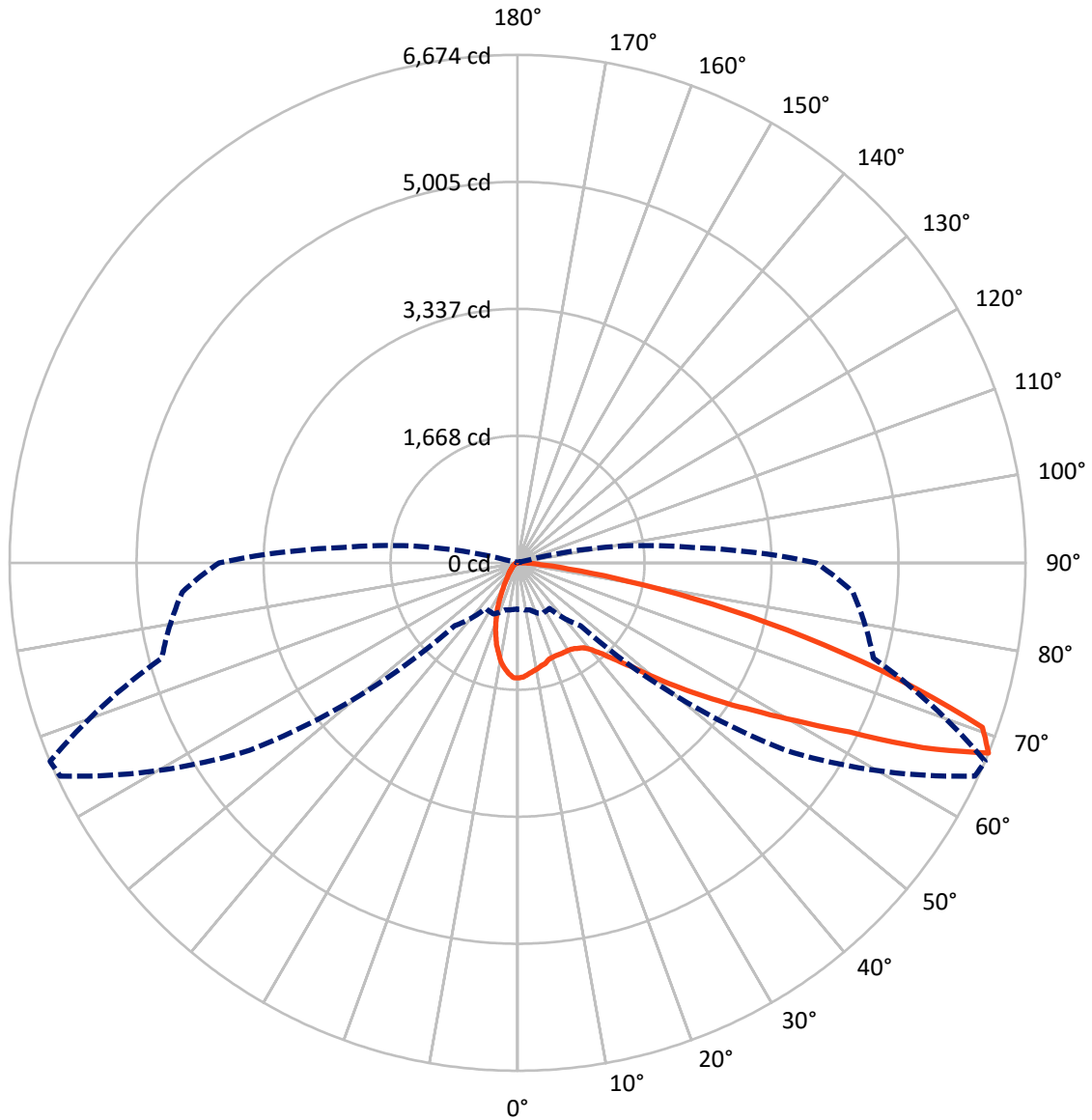
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	776.2	0.0	776.2
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	5391.2	0.0	5391.2
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	6167.4	0.0	6167.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.4	2.1
10°-20°	283.1	4.6
20°-30°	402.6	6.5
30°-40°	586.3	9.5
40°-50°	907.3	14.7
50°-60°	1392.5	22.6
60°-70°	1509.5	24.5
70°-80°	851.6	13.8
80°-90°	107.0	1.7
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°	6167.4	100.0
0°-180°	6167.4	100.0

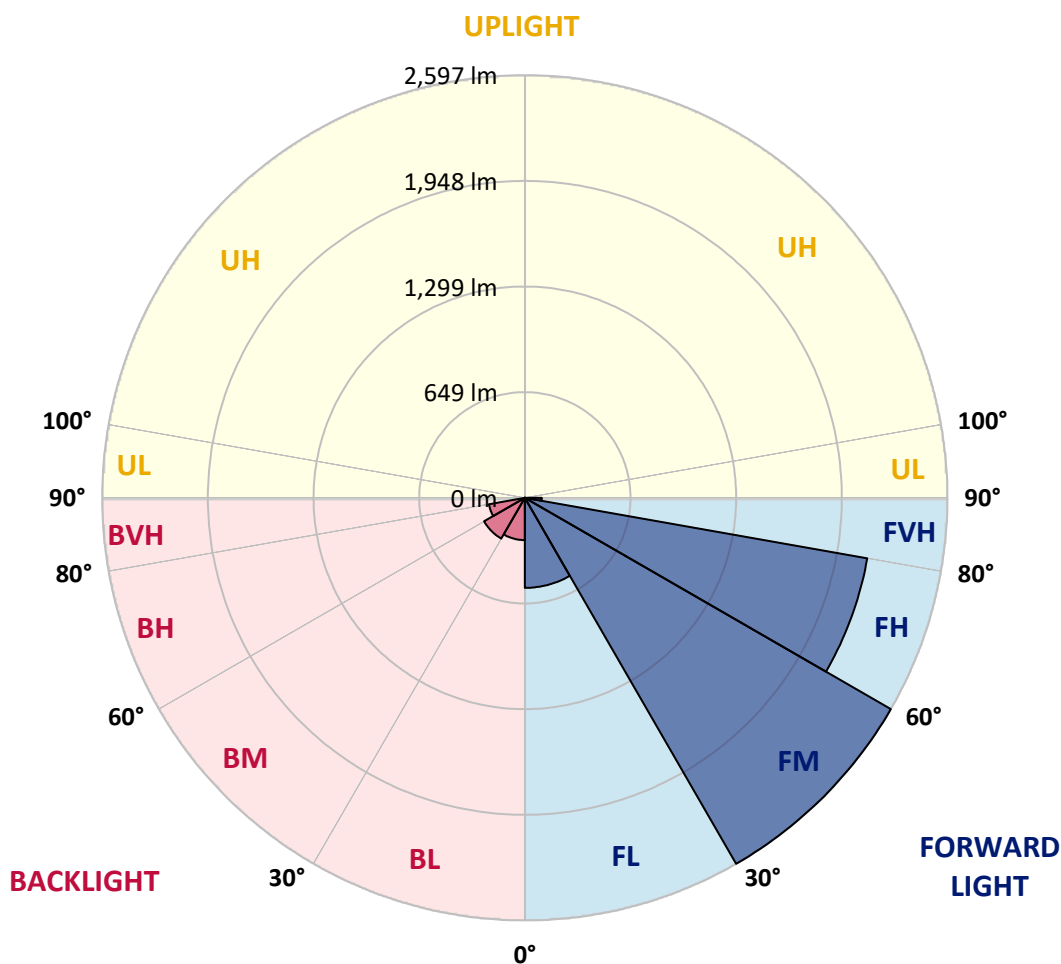


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.4	9.0			
FM (30°-60°)	2597.0	42.1			
FH (60°-80°)	2136.9	34.6			G2/5000
FVH (80°-90°)	103.9	1.7			G2/225
BL (0°-30°)	259.8	4.2	B1/500		
BM (30°-60°)	289.1	4.7	B1/1000		
BH (60°-80°)	224.2	3.6	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7
2.5°	1447.4	1454.8	1465.2	1480.1	1490.5	1484.5	1489.0	1514.2	1500.9	1512.7	1506.8
5°	1367.1	1374.5	1389.4	1387.9	1399.8	1422.1	1451.8	1484.5	1469.6	1505.3	1518.7
7.5°	1283.9	1280.9	1280.9	1312.1	1337.4	1368.6	1384.9	1438.4	1439.9	1471.1	1503.8
10°	1208.1	1217.0	1231.9	1243.8	1267.6	1312.1	1359.7	1401.3	1417.6	1480.1	1489.0
12.5°	1162.0	1166.5	1184.3	1194.7	1225.9	1269.0	1319.6	1373.1	1386.4	1450.3	1493.4
15°	1142.7	1153.1	1159.1	1178.4	1194.7	1234.9	1272.0	1332.9	1371.6	1422.1	1475.6
17.5°	1157.6	1153.1	1156.1	1162.0	1181.4	1217.0	1257.2	1318.1	1331.5	1416.2	1496.4
20°	1176.9	1178.4	1169.5	1166.5	1162.0	1196.2	1228.9	1307.7	1322.5	1416.2	1509.8
22.5°	1228.9	1212.6	1228.9	1205.1	1181.4	1196.2	1227.4	1309.2	1319.6	1414.7	1523.1
25°	1292.8	1295.8	1300.2	1249.7	1215.5	1205.1	1237.8	1313.6	1322.5	1426.6	1529.1
27.5°	1383.5	1396.8	1374.5	1349.3	1280.9	1228.9	1236.3	1310.6	1327.0	1420.6	1543.9
30°	1505.3	1494.9	1497.9	1439.9	1373.1	1291.3	1270.5	1318.1	1330.0	1428.0	1572.2
32.5°	1610.8	1598.9	1619.7	1598.9	1493.4	1380.5	1310.6	1332.9	1346.3	1445.9	1596.0
35°	1676.2	1691.1	1723.8	1746.0	1656.9	1496.4	1377.5	1373.1	1379.0	1454.8	1613.8
37.5°	1777.3	1804.0	1830.7	1887.2	1809.9	1639.1	1483.0	1425.1	1414.7	1497.9	1622.7
40°	1887.2	1879.8	1958.5	2025.4	2022.4	1839.7	1630.1	1517.2	1502.3	1566.2	1682.1
42.5°	1979.3	1971.9	2059.6	2169.6	2181.4	2032.8	1798.1	1648.0	1634.6	1671.7	1755.0
45°	2099.7	2105.7	2209.7	2340.4	2383.5	2288.4	2025.4	1835.2	1827.8	1815.9	1893.2
47.5°	2206.7	2239.4	2328.6	2483.1	2639.1	2552.9	2292.9	2108.6	2056.6	2029.9	2107.1
50°	2281.0	2310.7	2419.2	2584.1	2869.5	2924.4	2593.1	2399.9	2401.4	2336.0	2377.6
52.5°	2281.0	2279.5	2367.2	2584.1	3029.9	3312.3	2994.3	2766.9	2778.8	2710.5	2713.4
55°	2061.1	2056.6	2163.6	2393.9	3012.1	3685.3	3602.1	3232.0	3202.3	3070.1	3083.4
57.5°	1659.9	1670.3	1752.0	2028.4	2780.3	3859.1	4325.7	3755.1	3654.1	3380.6	3380.6
60°	1211.1	1202.2	1263.1	1456.3	2227.5	3793.7	4920.1	4371.8	4212.8	3637.7	3599.1
62.5°	921.3	919.8	936.2	1001.6	1413.2	3307.8	5175.7	5156.4	4897.8	3890.3	3835.4
65°	744.5	747.5	769.7	815.8	863.4	2255.7	5040.5	6092.6	5856.3	4266.3	4086.5
67.5°	607.8	615.2	642.0	741.5	731.1	1168.0	4293.0	6629.0	6673.6	4839.9	4423.8
70°	468.1	480.0	511.2	652.4	704.4	777.2	2976.4	6361.5	6480.4	5196.5	4220.2
72.5°	318.0	316.5	383.4	529.0	711.8	711.8	1656.9	5123.7	5236.6	4790.8	3666.0
75°	172.4	182.8	254.1	399.7	652.4	688.0	943.6	3749.2	3908.2	3725.4	2835.3
77.5°	93.6	95.1	141.2	261.5	542.4	656.8	630.1	2550.0	2612.4	2246.8	1552.9
80°	49.0	50.5	74.3	170.9	374.5	609.3	524.6	1520.2	1460.7	861.9	512.7
82.5°	22.3	23.8	37.1	107.0	239.2	480.0	453.2	734.1	677.6	240.7	156.0
85°	8.9	8.9	16.3	63.9	139.7	236.3	387.8	368.5	307.6	72.8	77.3
87.5°	3.0	3.0	4.5	25.3	56.5	141.2	206.6	194.7	133.7	26.7	41.6
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°	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7	1512.7
2.5°	1500.9	1517.2	1512.7	1509.8	1481.5	1478.6	1475.6	1448.8	1457.8	1435.5	1450.3
5°	1509.8	1518.7	1494.9	1450.3	1410.2	1365.6	1331.5	1307.7	1264.6	1248.2	1245.3
7.5°	1500.9	1500.9	1451.8	1380.5	1301.7	1228.9	1136.8	1071.4	1022.4	985.2	998.6
10°	1489.0	1471.1	1420.6	1294.3	1151.6	1041.7	909.4	812.8	740.0	716.2	701.4
12.5°	1489.0	1457.8	1344.8	1172.5	988.2	821.8	664.2	537.9	468.1	426.5	420.5
15°	1475.6	1429.5	1289.8	1058.0	829.2	603.3	423.5	315.0	255.6	239.2	233.3
17.5°	1478.6	1423.6	1208.1	922.8	643.4	401.2	258.6	199.1	184.3	176.8	178.3
20°	1484.5	1423.6	1135.3	790.5	463.6	249.6	178.3	167.9	160.5	157.5	159.0
22.5°	1503.8	1395.3	1061.0	655.3	313.5	179.8	157.5	147.1	141.2	136.7	135.2
25°	1506.8	1390.9	989.7	521.6	215.5	151.6	138.2	126.3	118.9	112.9	111.4
27.5°	1502.3	1371.6	890.1	387.8	162.0	135.2	117.4	105.5	95.1	90.6	89.2
30°	1518.7	1335.9	805.4	279.4	136.7	117.4	99.6	86.2	77.3	71.3	71.3
32.5°	1520.2	1304.7	711.8	199.1	124.8	104.0	84.7	69.8	60.9	58.0	58.0
35°	1521.7	1276.5	607.8	151.6	111.4	89.2	69.8	58.0	52.0	47.6	47.6
37.5°	1526.1	1255.7	512.7	127.8	99.6	75.8	58.0	47.6	41.6	40.1	40.1
40°	1535.0	1227.4	413.1	112.9	86.2	63.9	49.0	40.1	34.2	32.7	31.2
42.5°	1558.8	1220.0	329.9	101.0	77.3	53.5	40.1	32.7	28.2	25.3	23.8
45°	1656.9	1239.3	255.6	93.6	65.4	44.6	34.2	26.7	20.8	19.3	17.8
47.5°	1817.4	1303.2	202.1	83.2	55.0	37.1	28.2	20.8	16.3	14.9	13.4
50°	2061.1	1448.8	164.9	74.3	46.1	31.2	22.3	16.3	11.9	10.4	10.4
52.5°	2380.6	1645.0	142.7	65.4	37.1	26.7	17.8	11.9	8.9	7.4	7.4
55°	2707.5	1876.8	133.7	56.5	31.2	22.3	13.4	8.9	5.9	4.5	4.5
57.5°	3007.7	2026.9	129.3	46.1	26.7	16.3	10.4	5.9	3.0	1.5	1.5
60°	3194.9	2136.9	115.9	37.1	20.8	13.4	7.4	3.0	1.5	0.0	0.0
62.5°	3441.6	2248.3	95.1	28.2	14.9	8.9	4.5	1.5	0.0	0.0	0.0
65°	3767.0	2373.1	74.3	22.3	11.9	5.9	3.0	1.5	0.0	0.0	0.0
67.5°	3923.0	2307.8	50.5	16.3	7.4	3.0	1.5	0.0	0.0	0.0	0.0
70°	3611.0	1943.7	35.7	11.9	4.5	1.5	1.5	0.0	0.0	0.0	0.0
72.5°	3035.9	1523.1	26.7	7.4	3.0	1.5	0.0	0.0	0.0	0.0	0.0
75°	2237.9	952.5	20.8	5.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1187.3	355.2	14.9	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	350.7	104.0	10.4	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	115.9	31.2	5.9	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	59.4	11.9	3.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.2	4.5	3.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
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)