

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: P676858

Luminaire Tested: **CCW-SA-2C-740-U-SL2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676858  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-740-U-SL2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
SL2 distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

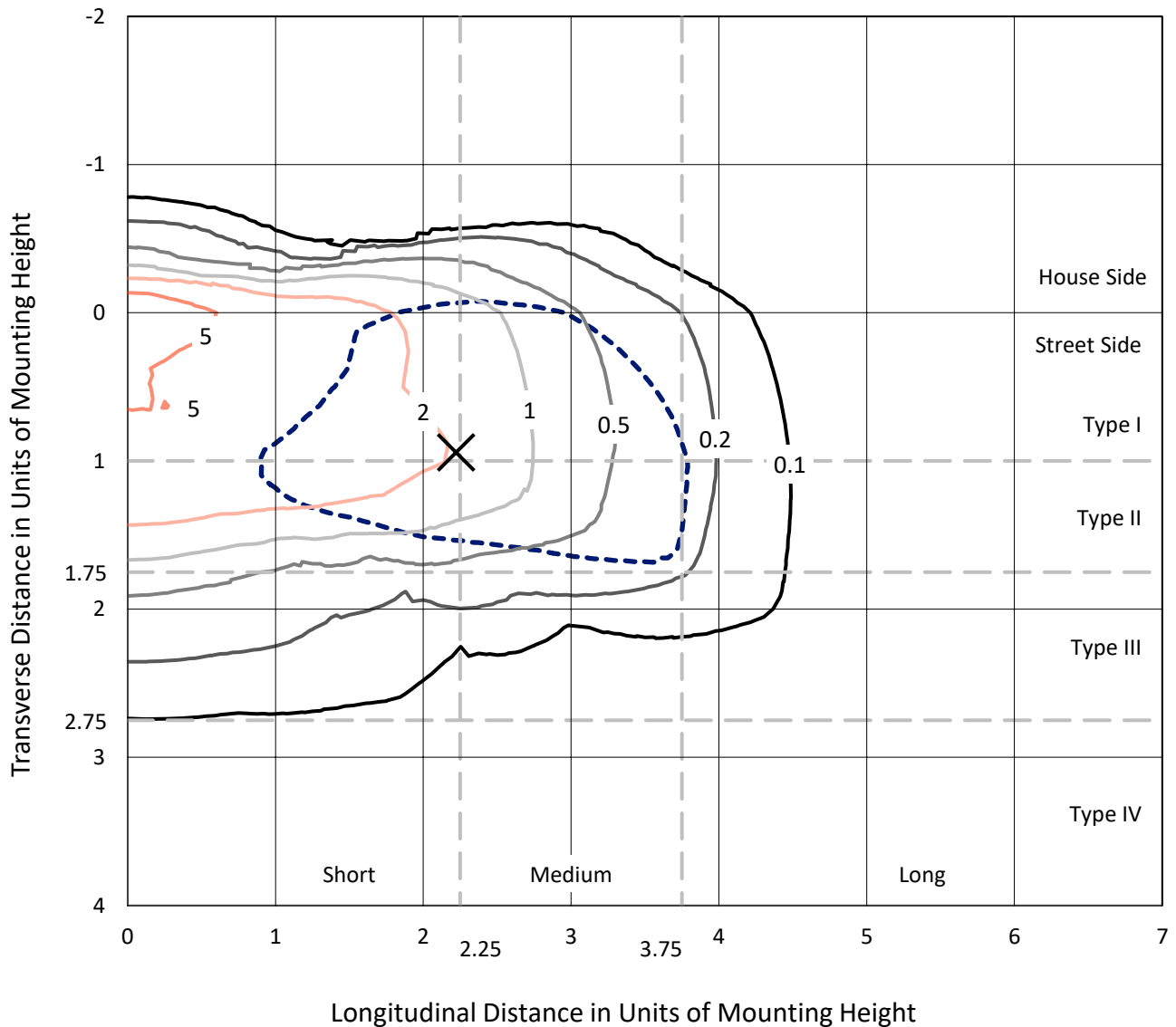
Lumens per Lamp: N/A  
Luminaire Lumens: 7270.8 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

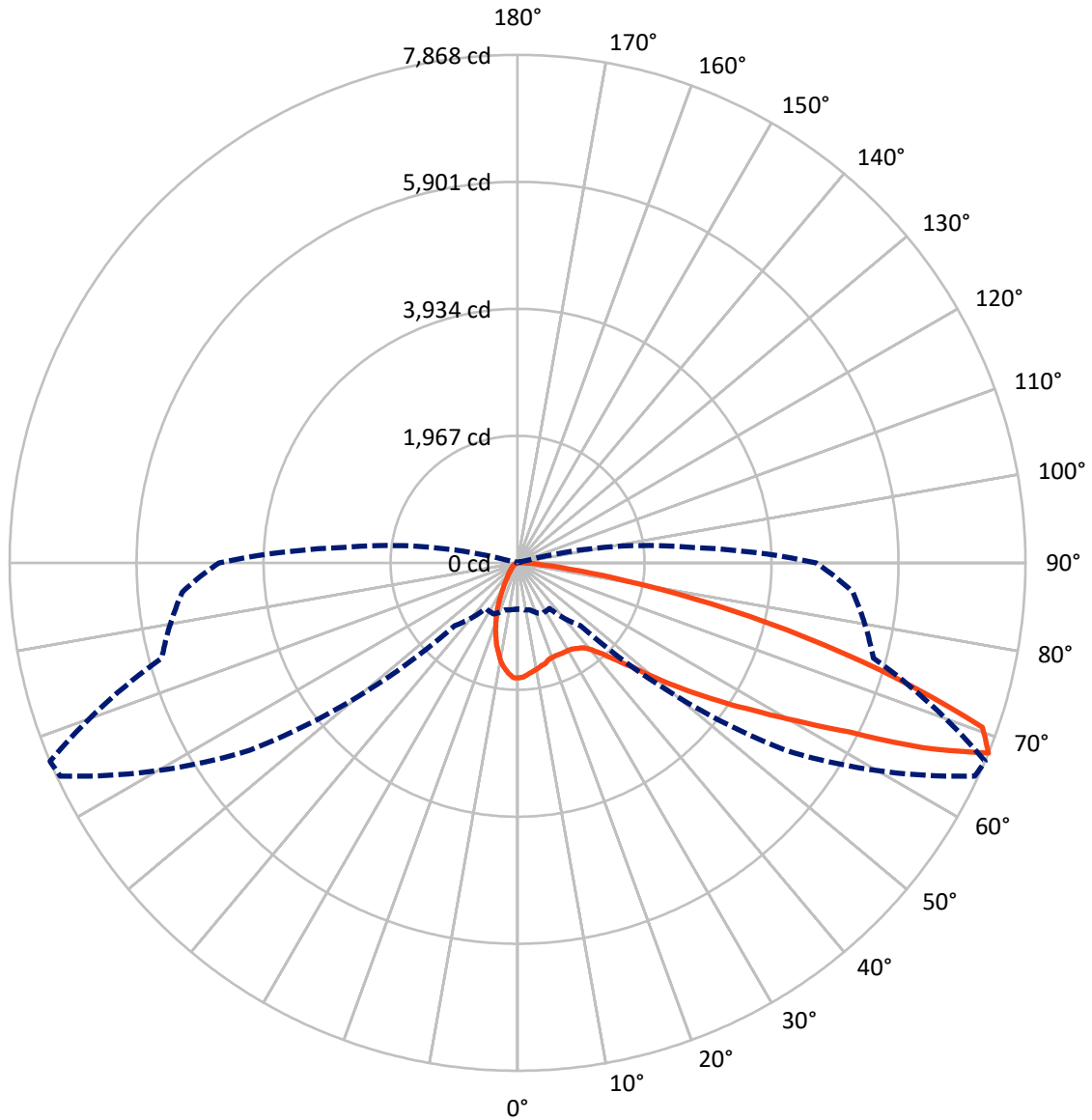
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 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	915.1	0.0	915.1
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	6355.7	0.0	6355.7
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	7270.8	0.0	7270.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.2	2.1
10°-20°	333.8	4.6
20°-30°	474.7	6.5
30°-40°	691.1	9.5
40°-50°	1069.7	14.7
50°-60°	1641.7	22.6
60°-70°	1779.6	24.5
70°-80°	1004.0	13.8
80°-90°	126.1	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°	7270.8	100.0
0°-180°	7270.8	100.0

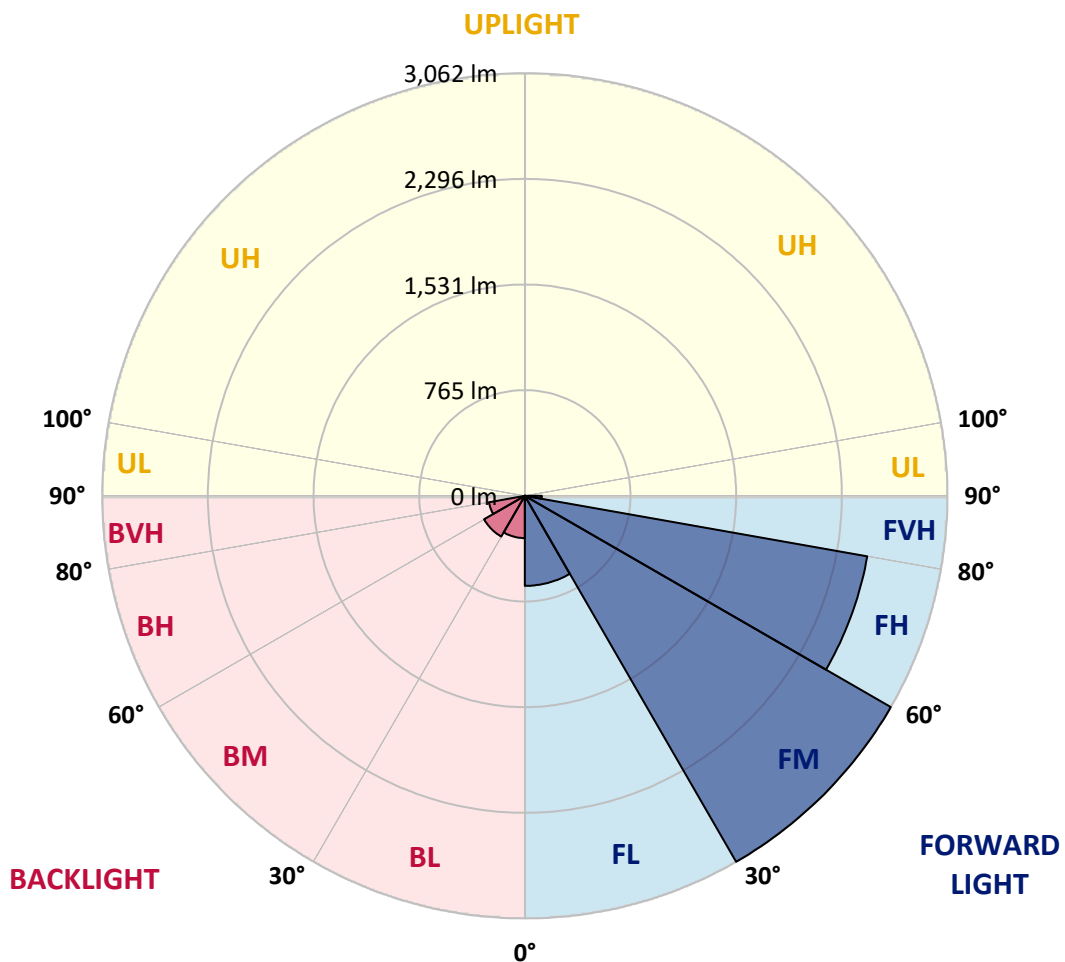


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.4	9.0			
FM (30°-60°)	3061.6	42.1			
FH (60°-80°)	2519.2	34.6			G2/5000
FVH (80°-90°)	122.5	1.7			G2/225
BL (0°-30°)	306.3	4.2	B1/500		
BM (30°-60°)	340.8	4.7	B1/1000		
BH (60°-80°)	264.3	3.6	B1/500		G1/500
BVH (80°-90°)	3.6	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°	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4
2.5°	1706.3	1715.1	1727.3	1744.9	1757.1	1750.1	1755.4	1785.1	1769.4	1783.4	1776.4
5°	1611.7	1620.5	1638.0	1636.2	1650.3	1676.5	1711.6	1750.1	1732.6	1774.6	1790.4
7.5°	1513.6	1510.1	1510.1	1546.9	1576.7	1613.5	1632.7	1695.8	1697.6	1734.3	1772.9
10°	1424.3	1434.8	1452.3	1466.3	1494.3	1546.9	1603.0	1652.0	1671.3	1744.9	1755.4
12.5°	1370.0	1375.2	1396.2	1408.5	1445.3	1496.1	1555.7	1618.7	1634.5	1709.8	1760.6
15°	1347.2	1359.4	1366.5	1389.2	1408.5	1455.8	1499.6	1571.4	1617.0	1676.5	1739.6
17.5°	1364.7	1359.4	1362.9	1370.0	1392.7	1434.8	1482.1	1553.9	1569.7	1669.5	1764.1
20°	1387.5	1389.2	1378.7	1375.2	1370.0	1410.2	1448.8	1541.6	1559.2	1669.5	1779.9
22.5°	1448.8	1429.5	1448.8	1420.8	1392.7	1410.2	1447.0	1543.4	1555.7	1667.8	1795.7
25°	1524.1	1527.6	1532.9	1473.3	1433.0	1420.8	1459.3	1548.6	1559.2	1681.8	1802.7
27.5°	1631.0	1646.7	1620.5	1590.7	1510.1	1448.8	1457.5	1545.1	1564.4	1674.8	1820.2
30°	1774.6	1762.4	1765.9	1697.6	1618.7	1522.4	1497.8	1553.9	1567.9	1683.5	1853.5
32.5°	1899.0	1885.0	1909.5	1885.0	1760.6	1627.5	1545.1	1571.4	1587.2	1704.6	1881.5
35°	1976.1	1993.6	2032.2	2058.4	1953.3	1764.1	1624.0	1618.7	1625.7	1715.1	1902.5
37.5°	2095.2	2126.8	2158.3	2224.9	2133.8	1932.3	1748.4	1680.0	1667.8	1765.9	1913.0
40°	2224.9	2216.1	2309.0	2387.8	2384.3	2168.8	1921.8	1788.6	1771.1	1846.5	1983.1
42.5°	2333.5	2324.7	2428.1	2557.7	2571.7	2396.5	2119.7	1942.8	1927.0	1970.8	2068.9
45°	2475.4	2482.4	2605.0	2759.2	2810.0	2697.9	2387.8	2163.5	2154.8	2140.8	2231.9
47.5°	2601.5	2640.1	2745.2	2927.4	3111.3	3009.7	2703.1	2485.9	2424.6	2393.0	2484.1
50°	2689.1	2724.1	2852.0	3046.5	3382.8	3447.7	3057.0	2829.3	2831.0	2753.9	2803.0
52.5°	2689.1	2687.4	2790.7	3046.5	3572.0	3904.9	3530.0	3262.0	3276.0	3195.4	3198.9
55°	2429.8	2424.6	2550.7	2822.2	3551.0	4344.6	4246.5	3810.3	3775.3	3619.3	3635.1
57.5°	1956.8	1969.1	2065.4	2391.3	3277.7	4549.6	5099.7	4426.9	4307.8	3985.5	3985.5
60°	1427.8	1417.3	1489.1	1716.8	2626.0	4472.5	5800.4	5154.0	4966.5	4288.6	4243.0
62.5°	1086.2	1084.4	1103.7	1180.8	1666.0	3899.6	6101.7	6079.0	5774.1	4586.4	4521.5
65°	877.7	881.2	907.5	961.8	1017.8	2659.3	5942.3	7182.6	6904.1	5029.6	4817.6
67.5°	716.5	725.3	756.8	874.2	861.9	1377.0	5061.1	7815.0	7867.6	5705.8	5215.3
70°	551.8	565.9	602.6	769.1	830.4	916.2	3509.0	7499.7	7639.9	6126.3	4975.3
72.5°	374.9	373.1	452.0	623.7	839.1	839.1	1953.3	6040.4	6173.6	5648.0	4321.8
75°	203.2	215.5	299.6	471.3	769.1	811.1	1112.4	4419.9	4607.4	4391.9	3342.5
77.5°	110.4	112.1	166.4	308.3	639.4	774.3	742.8	3006.2	3079.8	2648.8	1830.7
80°	57.8	59.6	87.6	201.5	441.5	718.3	618.4	1792.2	1722.1	1016.1	604.4
82.5°	26.3	28.0	43.8	126.1	282.0	565.9	534.3	865.4	798.8	283.8	183.9
85°	10.5	10.5	19.3	75.3	164.7	278.5	457.2	434.5	362.6	85.8	91.1
87.5°	3.5	3.5	5.3	29.8	66.6	166.4	243.5	229.5	157.7	31.5	49.1
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°	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4	1783.4
2.5°	1769.4	1788.6	1783.4	1779.9	1746.6	1743.1	1739.6	1708.1	1718.6	1692.3	1709.8
5°	1779.9	1790.4	1762.4	1709.8	1662.5	1610.0	1569.7	1541.6	1490.8	1471.6	1468.1
7.5°	1769.4	1769.4	1711.6	1627.5	1534.6	1448.8	1340.2	1263.1	1205.3	1161.5	1177.2
10°	1755.4	1734.3	1674.8	1525.9	1357.7	1228.1	1072.1	958.3	872.4	844.4	826.9
12.5°	1755.4	1718.6	1585.4	1382.2	1165.0	968.8	783.1	634.2	551.8	502.8	495.8
15°	1739.6	1685.3	1520.6	1247.3	977.5	711.3	499.3	371.4	301.3	282.0	275.0
17.5°	1743.1	1678.3	1424.3	1087.9	758.6	473.0	304.8	234.7	217.2	208.5	210.2
20°	1750.1	1678.3	1338.4	932.0	546.6	294.3	210.2	198.0	189.2	185.7	187.4
22.5°	1772.9	1645.0	1250.8	772.6	369.6	212.0	185.7	173.4	166.4	161.2	159.4
25°	1776.4	1639.7	1166.7	614.9	254.0	178.7	162.9	148.9	140.1	133.1	131.4
27.5°	1771.1	1617.0	1049.4	457.2	191.0	159.4	138.4	124.4	112.1	106.9	105.1
30°	1790.4	1574.9	949.5	329.3	161.2	138.4	117.4	101.6	91.1	84.1	84.1
32.5°	1792.2	1538.1	839.1	234.7	147.2	122.6	99.9	82.3	71.8	68.3	68.3
35°	1793.9	1504.8	716.5	178.7	131.4	105.1	82.3	68.3	61.3	56.1	56.1
37.5°	1799.2	1480.3	604.4	150.7	117.4	89.3	68.3	56.1	49.1	47.3	47.3
40°	1809.7	1447.0	487.0	133.1	101.6	75.3	57.8	47.3	40.3	38.5	36.8
42.5°	1837.7	1438.3	388.9	119.1	91.1	63.1	47.3	38.5	33.3	29.8	28.0
45°	1953.3	1461.1	301.3	110.4	77.1	52.6	40.3	31.5	24.5	22.8	21.0
47.5°	2142.5	1536.4	238.3	98.1	64.8	43.8	33.3	24.5	19.3	17.5	15.8
50°	2429.8	1708.1	194.5	87.6	54.3	36.8	26.3	19.3	14.0	12.3	12.3
52.5°	2806.5	1939.3	168.2	77.1	43.8	31.5	21.0	14.0	10.5	8.8	8.8
55°	3191.9	2212.6	157.7	66.6	36.8	26.3	15.8	10.5	7.0	5.3	5.3
57.5°	3545.8	2389.5	152.4	54.3	31.5	19.3	12.3	7.0	3.5	1.8	1.8
60°	3766.5	2519.2	136.6	43.8	24.5	15.8	8.8	3.5	1.8	0.0	0.0
62.5°	4057.3	2650.6	112.1	33.3	17.5	10.5	5.3	1.8	0.0	0.0	0.0
65°	4441.0	2797.7	87.6	26.3	14.0	7.0	3.5	1.8	0.0	0.0	0.0
67.5°	4624.9	2720.6	59.6	19.3	8.8	3.5	1.8	0.0	0.0	0.0	0.0
70°	4257.0	2291.4	42.0	14.0	5.3	1.8	1.8	0.0	0.0	0.0	0.0
72.5°	3579.0	1795.7	31.5	8.8	3.5	1.8	0.0	0.0	0.0	0.0	0.0
75°	2638.3	1122.9	24.5	7.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1399.7	418.7	17.5	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	413.4	122.6	12.3	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	136.6	36.8	7.0	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	70.1	14.0	3.5	3.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	40.3	5.3	3.5	3.5	1.8	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)