

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: P676847

Luminaire Tested: **CCW-SA-2C-735-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676847
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-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) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

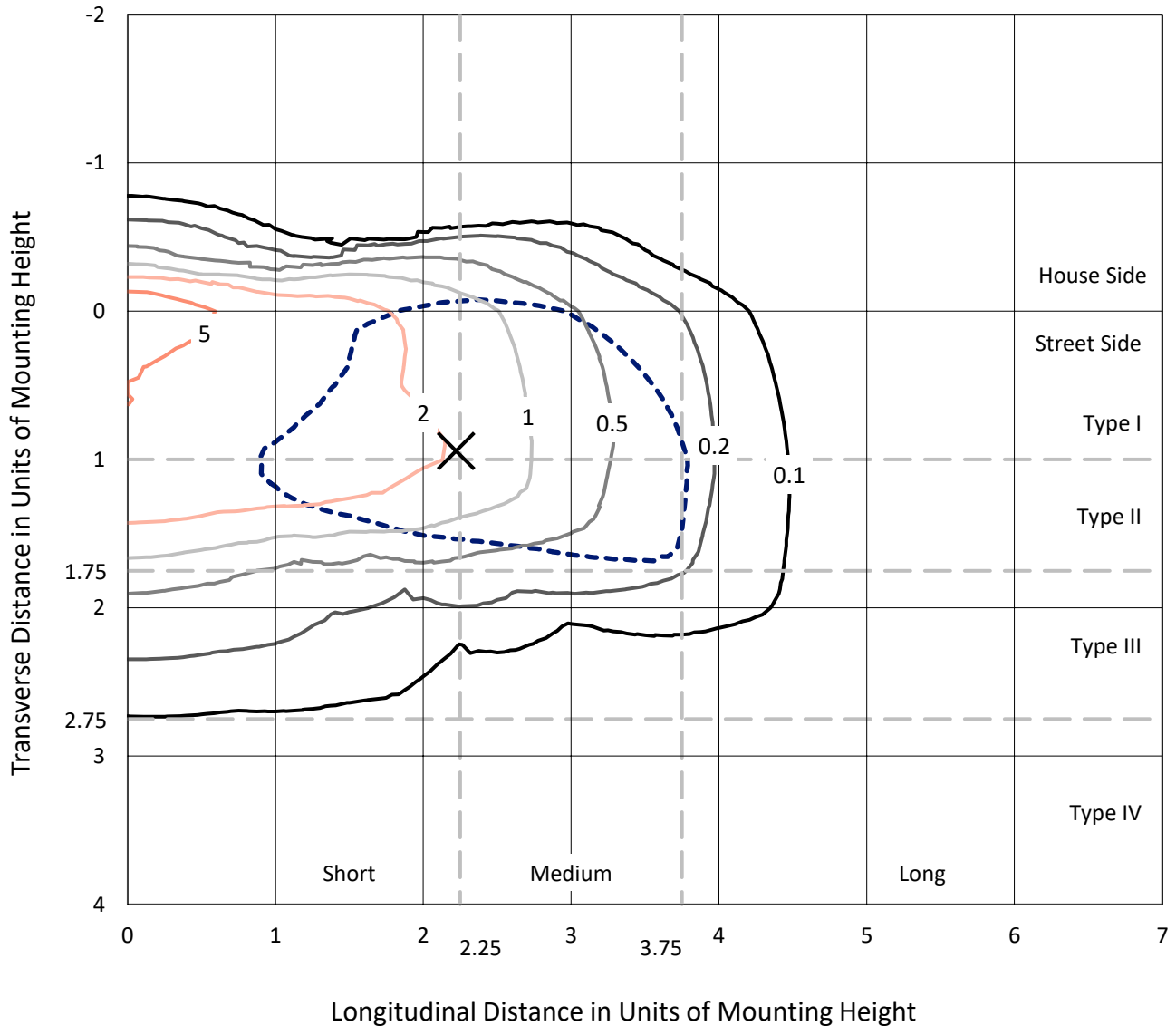
Lumens per Lamp: N/A
Luminaire Lumens: 7171.2 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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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 CATALOG NUMBER: CCW-SA-2C-735-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

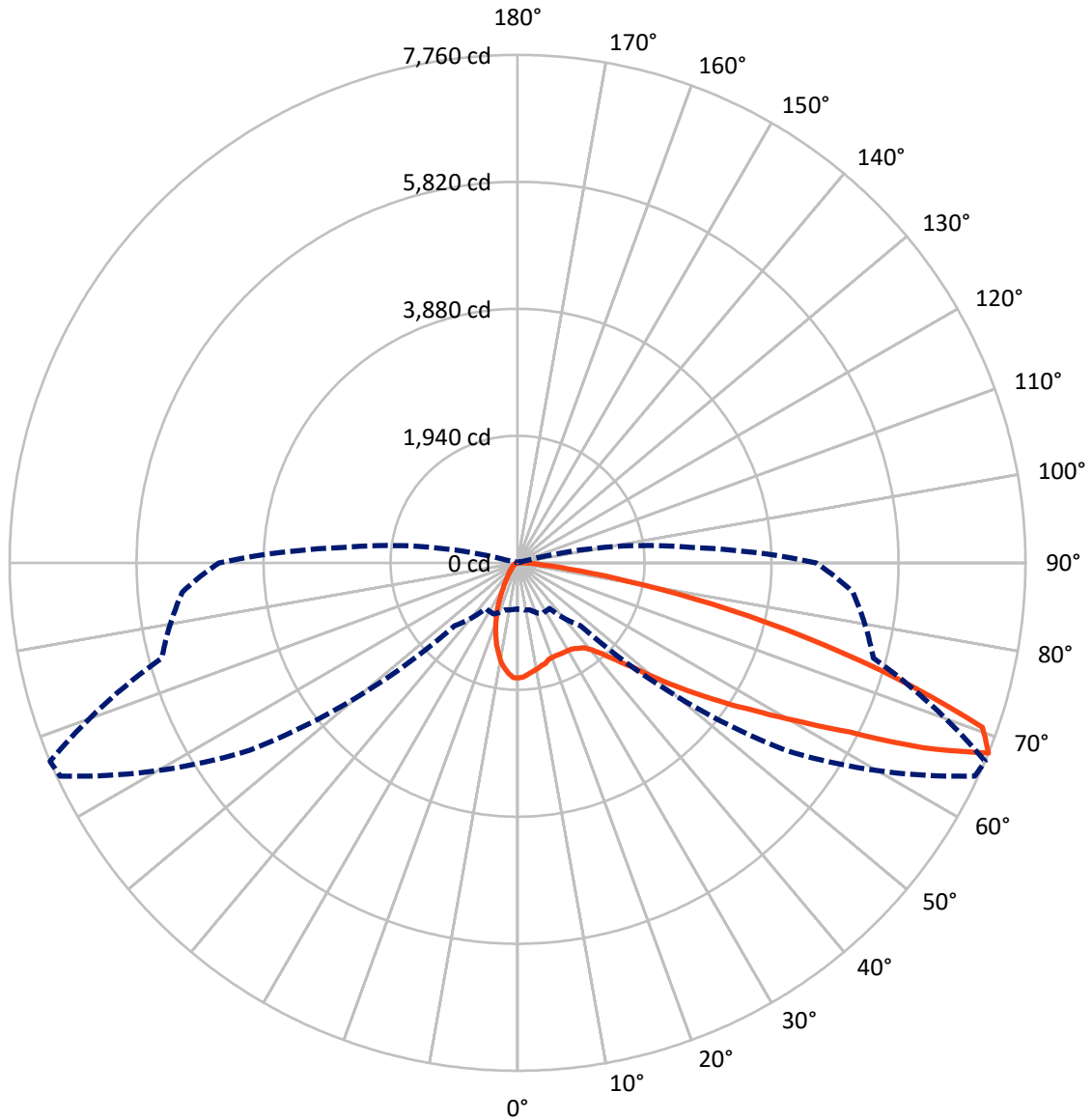
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

REPORT NUMBER: P676847
CATALOG NUMBER: CCW-SA-2C-735-U-SL2-HSS

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
House Side	Lumens	902.5	0.0	902.5
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	6268.7	0.0	6268.7
	% Fixture	87.4	0.0	87.4
Total	Lumens	7171.2	0.0	7171.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	2.1
10°-20°	329.2	4.6
20°-30°	468.1	6.5
30°-40°	681.7	9.5
40°-50°	1055.0	14.7
50°-60°	1619.2	22.6
60°-70°	1755.2	24.5
70°-80°	990.2	13.8
80°-90°	124.4	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°	7171.2	100.0
0°-180°	7171.2	100.0

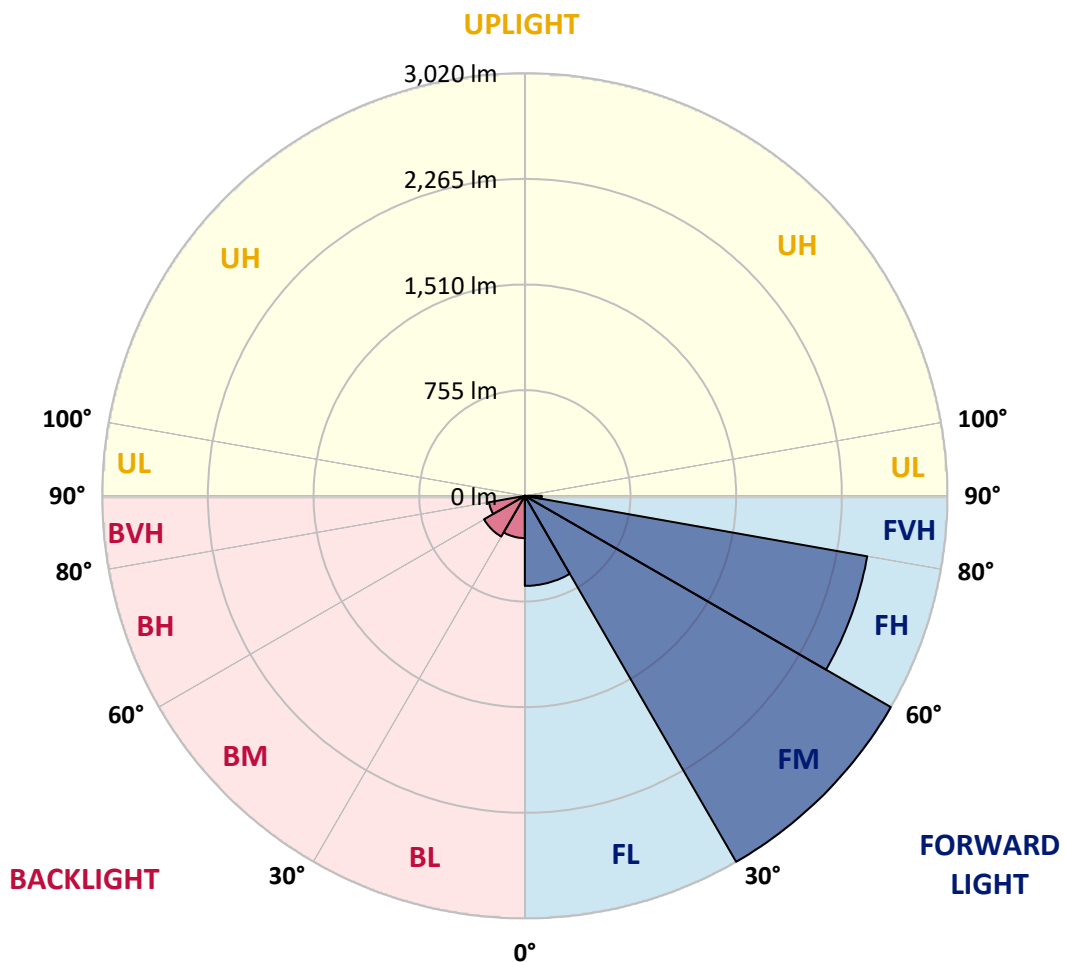


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.5	9.0			
FM (30°-60°)	3019.7	42.1			
FH (60°-80°)	2484.7	34.6			G2/5000
FVH (80°-90°)	120.8	1.7			G2/225
BL (0°-30°)	302.1	4.2	B1/500		
BM (30°-60°)	336.2	4.7	B1/1000		
BH (60°-80°)	260.7	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°	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0
2.5°	1682.9	1691.6	1703.7	1720.9	1733.0	1726.1	1731.3	1760.7	1745.1	1759.0	1752.0
5°	1589.6	1598.3	1615.5	1613.8	1627.6	1653.6	1688.1	1726.1	1708.9	1750.3	1765.9
7.5°	1492.9	1489.4	1489.4	1525.7	1555.1	1591.4	1610.4	1672.6	1674.3	1710.6	1748.6
10°	1404.7	1415.1	1432.4	1446.2	1473.9	1525.7	1581.0	1629.4	1648.4	1720.9	1731.3
12.5°	1351.2	1356.4	1377.1	1389.2	1425.5	1475.6	1534.3	1596.5	1612.1	1686.4	1736.5
15°	1328.7	1340.8	1347.7	1370.2	1389.2	1435.9	1479.0	1549.9	1594.8	1653.6	1715.8
17.5°	1346.0	1340.8	1344.3	1351.2	1373.6	1415.1	1461.8	1532.6	1548.2	1646.6	1740.0
20°	1368.5	1370.2	1359.8	1356.4	1351.2	1390.9	1428.9	1520.5	1537.8	1646.6	1755.5
22.5°	1428.9	1409.9	1428.9	1401.3	1373.6	1390.9	1427.2	1522.2	1534.3	1644.9	1771.1
25°	1503.2	1506.7	1511.9	1453.1	1413.4	1401.3	1439.3	1527.4	1537.8	1658.7	1778.0
27.5°	1608.6	1624.2	1598.3	1568.9	1489.4	1428.9	1437.6	1524.0	1543.0	1651.8	1795.2
30°	1750.3	1738.2	1741.7	1674.3	1596.5	1501.5	1477.3	1532.6	1546.4	1660.5	1828.1
32.5°	1873.0	1859.2	1883.4	1859.2	1736.5	1605.2	1524.0	1549.9	1565.4	1681.2	1855.7
35°	1949.0	1966.3	2004.3	2030.2	1926.6	1740.0	1601.7	1596.5	1603.5	1691.6	1876.5
37.5°	2066.5	2097.6	2128.7	2194.4	2104.5	1905.8	1724.4	1657.0	1644.9	1741.7	1886.8
40°	2194.4	2185.7	2277.3	2355.1	2351.6	2139.1	1895.5	1764.1	1746.9	1821.2	1955.9
42.5°	2301.5	2292.9	2394.8	2522.7	2536.5	2363.7	2090.7	1916.2	1900.6	1943.8	2040.6
45°	2441.5	2448.4	2569.3	2721.4	2771.5	2660.9	2355.1	2133.9	2125.3	2111.4	2201.3
47.5°	2565.9	2603.9	2707.6	2887.3	3068.7	2968.5	2666.1	2451.8	2391.4	2360.3	2450.1
50°	2652.3	2686.8	2813.0	3004.7	3336.5	3400.4	3015.1	2790.5	2792.2	2716.2	2764.6
52.5°	2652.3	2650.5	2752.5	3004.7	3523.1	3851.4	3481.6	3217.3	3231.1	3151.6	3155.1
55°	2396.5	2391.4	2515.8	2783.6	3502.4	4285.1	4188.3	3758.1	3723.5	3569.8	3585.3
57.5°	1930.0	1942.1	2037.1	2358.5	3232.8	4487.2	5029.8	4366.3	4248.8	3930.9	3930.9
60°	1408.2	1397.8	1468.7	1693.3	2590.1	4411.2	5720.9	5083.4	4898.5	4229.8	4184.9
62.5°	1071.3	1069.5	1088.6	1164.6	1643.2	3846.2	6018.1	5995.7	5695.0	4523.5	4459.6
65°	865.7	869.1	895.0	948.6	1003.9	2622.9	5860.9	7084.2	6809.5	4960.7	4751.6
67.5°	706.7	715.3	746.4	862.2	850.1	1358.1	4991.8	7708.0	7759.8	5627.6	5143.8
70°	544.3	558.1	594.4	758.5	819.0	903.7	3460.9	7397.0	7535.2	6042.3	4907.1
72.5°	369.8	368.0	445.8	615.1	827.6	827.6	1926.6	5957.7	6089.0	5570.6	4262.6
75°	200.4	212.5	295.5	464.8	758.5	800.0	1097.2	4359.4	4544.3	4331.7	3296.8
77.5°	108.9	110.6	164.1	304.1	630.7	763.7	732.6	2965.0	3037.6	2612.5	1805.6
80°	57.0	58.7	86.4	198.7	435.4	708.4	609.9	1767.6	1698.5	1002.2	596.1
82.5°	25.9	27.6	43.2	124.4	278.2	558.1	527.0	853.6	787.9	279.9	181.4
85°	10.4	10.4	19.0	74.3	162.4	274.7	451.0	428.5	357.7	84.7	89.8
87.5°	3.5	3.5	5.2	29.4	65.7	164.1	240.2	226.3	155.5	31.1	48.4
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°	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0
2.5°	1745.1	1764.1	1759.0	1755.5	1722.7	1719.2	1715.8	1684.7	1695.0	1669.1	1686.4
5°	1755.5	1765.9	1738.2	1686.4	1639.7	1587.9	1548.2	1520.5	1470.4	1451.4	1447.9
7.5°	1745.1	1745.1	1688.1	1605.2	1513.6	1428.9	1321.8	1245.8	1188.8	1145.6	1161.1
10°	1731.3	1710.6	1651.8	1505.0	1339.1	1211.2	1057.4	945.1	860.5	832.8	815.5
12.5°	1731.3	1695.0	1563.7	1363.3	1149.0	955.5	772.4	625.5	544.3	495.9	489.0
15°	1715.8	1662.2	1499.8	1230.2	964.1	701.5	492.4	366.3	297.2	278.2	271.3
17.5°	1719.2	1655.3	1404.7	1073.0	748.2	466.5	300.6	231.5	214.3	205.6	207.3
20°	1726.1	1655.3	1320.1	919.2	539.1	290.3	207.3	195.2	186.6	183.2	184.9
22.5°	1748.6	1622.5	1233.7	762.0	364.6	209.1	183.2	171.1	164.1	159.0	157.2
25°	1752.0	1617.3	1150.8	606.5	250.5	176.2	160.7	146.9	138.2	131.3	129.6
27.5°	1746.9	1594.8	1035.0	451.0	188.3	157.2	136.5	122.7	110.6	105.4	103.7
30°	1765.9	1553.3	936.5	324.8	159.0	136.5	115.8	100.2	89.8	82.9	82.9
32.5°	1767.6	1517.1	827.6	231.5	145.1	121.0	98.5	81.2	70.8	67.4	67.4
35°	1769.3	1484.2	706.7	176.2	129.6	103.7	81.2	67.4	60.5	55.3	55.3
37.5°	1774.5	1460.0	596.1	148.6	115.8	88.1	67.4	55.3	48.4	46.7	46.7
40°	1784.9	1427.2	480.3	131.3	100.2	74.3	57.0	46.7	39.7	38.0	36.3
42.5°	1812.5	1418.6	383.6	117.5	89.8	62.2	46.7	38.0	32.8	29.4	27.6
45°	1926.6	1441.0	297.2	108.9	76.0	51.8	39.7	31.1	24.2	22.5	20.7
47.5°	2113.2	1515.3	235.0	96.8	63.9	43.2	32.8	24.2	19.0	17.3	15.6
50°	2396.5	1684.7	191.8	86.4	53.6	36.3	25.9	19.0	13.8	12.1	12.1
52.5°	2768.0	1912.7	165.9	76.0	43.2	31.1	20.7	13.8	10.4	8.6	8.6
55°	3148.2	2182.3	155.5	65.7	36.3	25.9	15.6	10.4	6.9	5.2	5.2
57.5°	3497.2	2356.8	150.3	53.6	31.1	19.0	12.1	6.9	3.5	1.7	1.7
60°	3714.9	2484.7	134.8	43.2	24.2	15.6	8.6	3.5	1.7	0.0	0.0
62.5°	4001.7	2614.3	110.6	32.8	17.3	10.4	5.2	1.7	0.0	0.0	0.0
65°	4380.1	2759.4	86.4	25.9	13.8	6.9	3.5	1.7	0.0	0.0	0.0
67.5°	4561.5	2683.4	58.7	19.0	8.6	3.5	1.7	0.0	0.0	0.0	0.0
70°	4198.7	2260.0	41.5	13.8	5.2	1.7	1.7	0.0	0.0	0.0	0.0
72.5°	3530.0	1771.1	31.1	8.6	3.5	1.7	0.0	0.0	0.0	0.0	0.0
75°	2602.2	1107.6	24.2	6.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1380.6	413.0	17.3	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	407.8	121.0	12.1	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	134.8	36.3	6.9	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	69.1	13.8	3.5	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	39.7	5.2	3.5	3.5	1.7	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)