

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: P676880

Luminaire Tested: **CCW-SA-2C-760-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676880
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-760-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) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7437.3 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

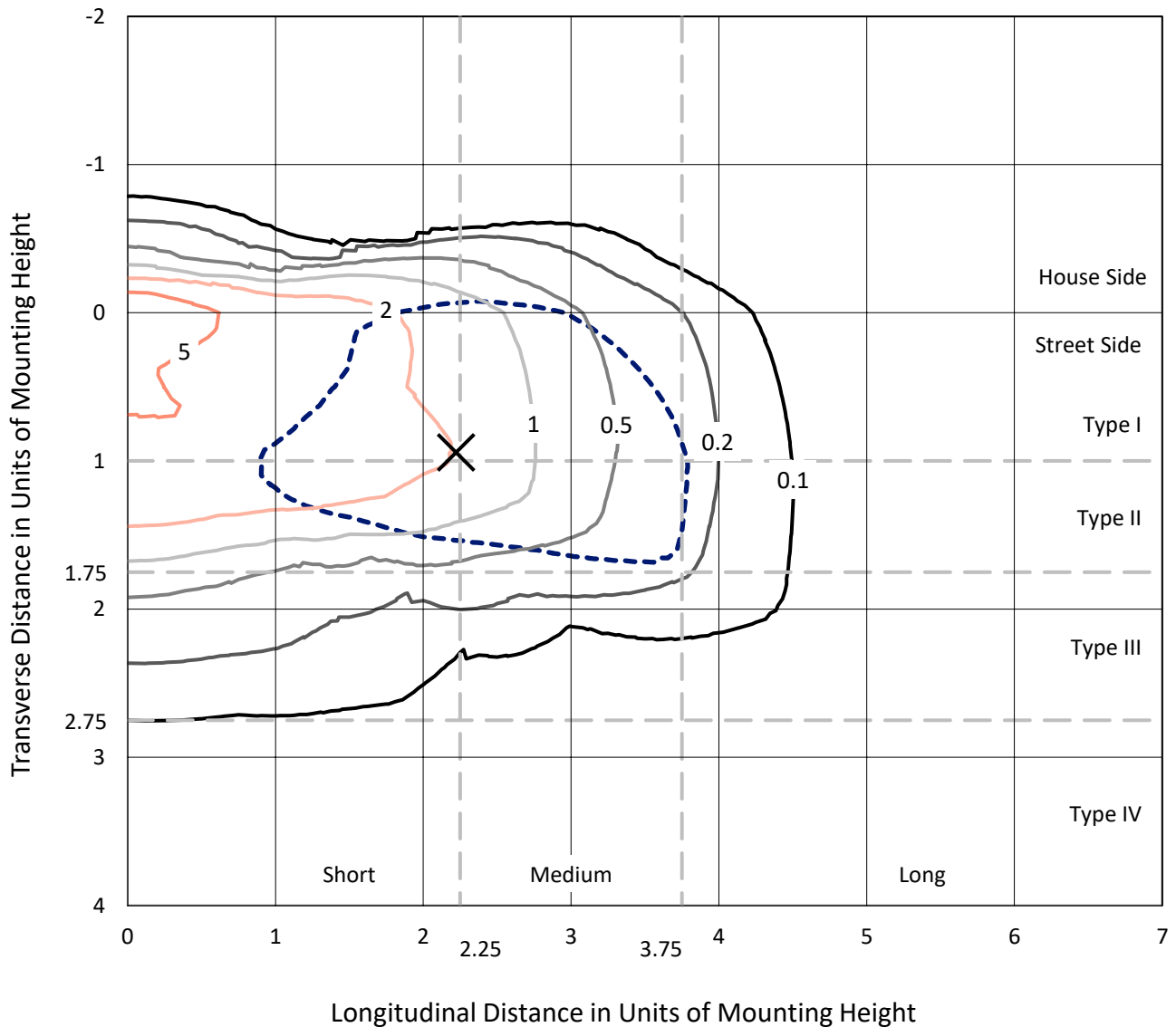
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

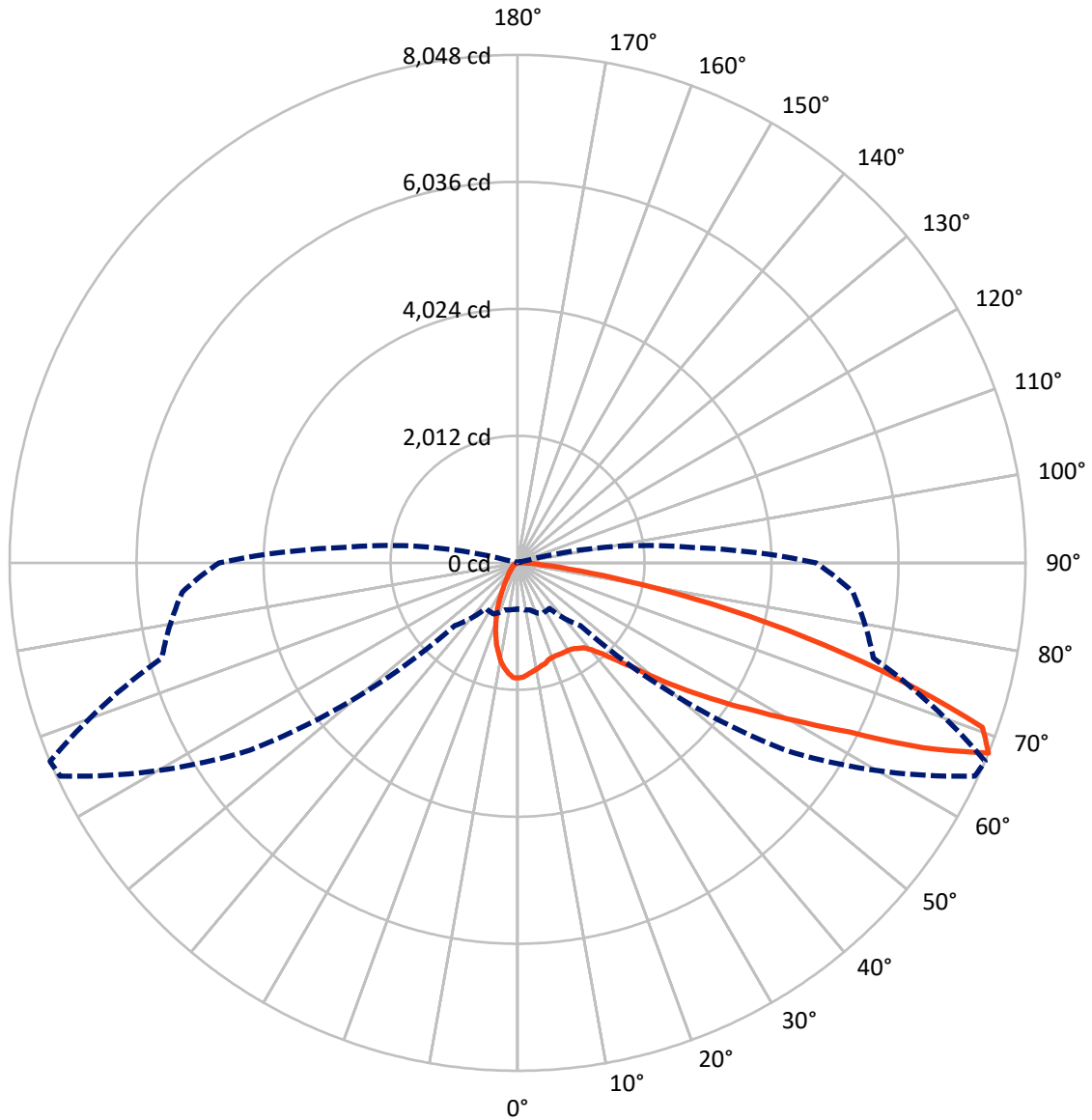
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 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
House Side	Lumens	936.0	0.0	936.0
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	6501.3	0.0	6501.3
	% Fixture	87.4	0.0	87.4
Total	Lumens	7437.3	0.0	7437.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	2.1
10°-20°	341.4	4.6
20°-30°	485.5	6.5
30°-40°	707.0	9.5
40°-50°	1094.2	14.7
50°-60°	1679.2	22.6
60°-70°	1820.3	24.5
70°-80°	1027.0	13.8
80°-90°	129.0	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°	7437.3	100.0
0°-180°	7437.3	100.0

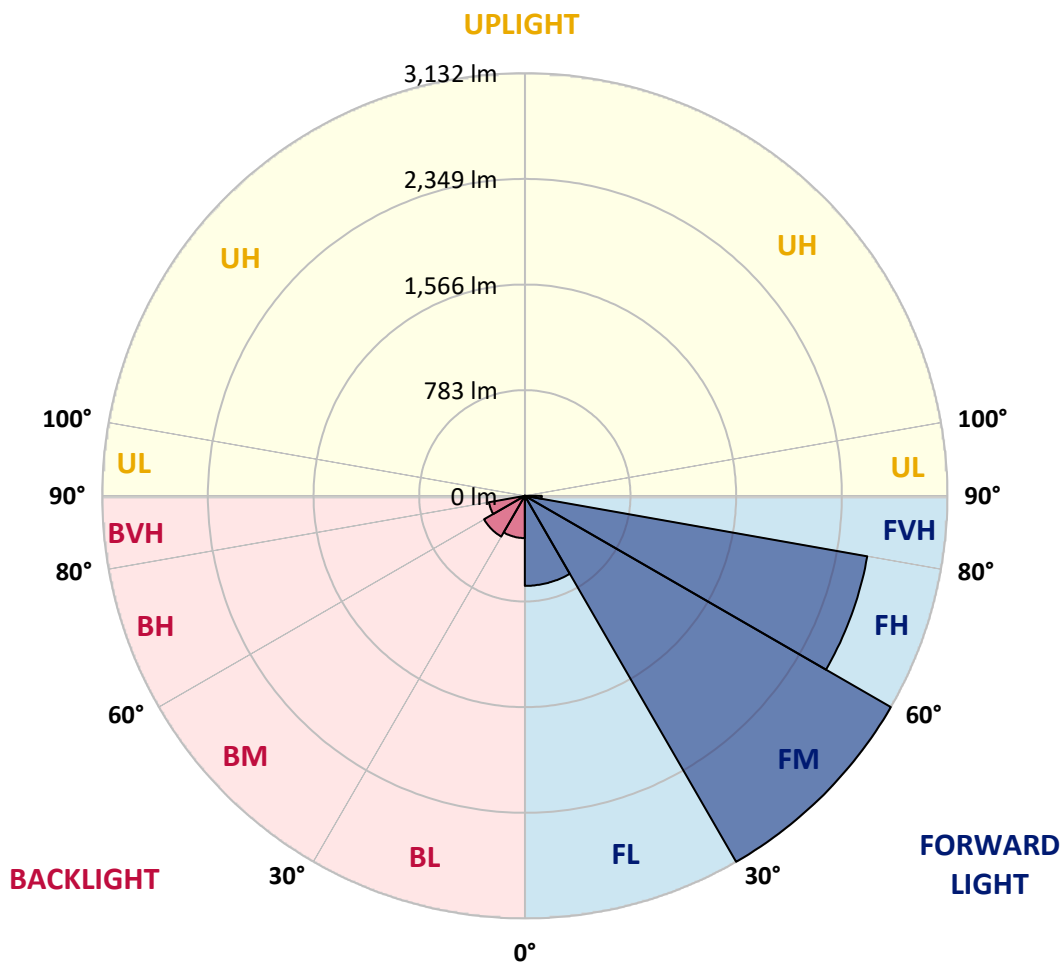


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.3	9.0			
FM (30°-60°)	3131.8	42.1			
FH (60°-80°)	2576.9	34.6			G2/5000
FVH (80°-90°)	125.3	1.7			G2/225
BL (0°-30°)	313.3	4.2	B1/500		
BM (30°-60°)	348.6	4.7	B1/1000		
BH (60°-80°)	270.4	3.6	B1/500		G1/500
BVH (80°-90°)	3.7	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°	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2
2.5°	1745.4	1754.3	1766.9	1784.8	1797.4	1790.2	1795.6	1826.0	1809.9	1824.2	1817.1
5°	1648.6	1657.6	1675.5	1673.7	1688.0	1714.9	1750.8	1790.2	1772.3	1815.3	1831.4
7.5°	1548.3	1544.7	1544.7	1582.3	1612.8	1650.4	1670.1	1734.6	1736.4	1774.1	1813.5
10°	1456.9	1467.6	1485.5	1499.9	1528.6	1582.3	1639.7	1689.8	1709.5	1784.8	1795.6
12.5°	1401.3	1406.7	1428.2	1440.7	1478.4	1530.3	1591.3	1655.8	1671.9	1749.0	1800.9
15°	1378.0	1390.6	1397.7	1421.0	1440.7	1489.1	1533.9	1607.4	1654.0	1714.9	1779.4
17.5°	1395.9	1390.6	1394.2	1401.3	1424.6	1467.6	1516.0	1589.5	1605.6	1707.8	1804.5
20°	1419.2	1421.0	1410.3	1406.7	1401.3	1442.5	1482.0	1576.9	1594.9	1707.8	1820.6
22.5°	1482.0	1462.3	1482.0	1453.3	1424.6	1442.5	1480.2	1578.7	1591.3	1706.0	1836.8
25°	1559.0	1562.6	1568.0	1507.1	1465.8	1453.3	1492.7	1584.1	1594.9	1720.3	1843.9
27.5°	1668.3	1684.5	1657.6	1627.1	1544.7	1482.0	1490.9	1580.5	1600.2	1713.1	1861.9
30°	1815.3	1802.7	1806.3	1736.4	1655.8	1557.2	1532.1	1589.5	1603.8	1722.1	1895.9
32.5°	1942.5	1928.2	1953.3	1928.2	1800.9	1664.7	1580.5	1607.4	1623.5	1743.6	1924.6
35°	2021.3	2039.3	2078.7	2105.6	1998.1	1804.5	1661.2	1655.8	1663.0	1754.3	1946.1
37.5°	2143.2	2175.5	2207.7	2275.8	2182.6	1976.6	1788.4	1718.5	1706.0	1806.3	1956.8
40°	2275.8	2266.9	2361.8	2442.5	2438.9	2218.5	1965.8	1829.6	1811.7	1888.7	2028.5
42.5°	2386.9	2378.0	2483.7	2616.3	2630.6	2451.4	2168.3	1987.3	1971.2	2016.0	2116.3
45°	2532.1	2539.2	2664.7	2822.4	2874.3	2759.6	2442.5	2213.1	2204.1	2189.8	2283.0
47.5°	2661.1	2700.5	2808.0	2994.4	3182.6	3078.6	2765.0	2542.8	2480.1	2447.8	2541.0
50°	2750.7	2786.5	2917.3	3116.2	3460.3	3526.6	3127.0	2894.0	2895.8	2817.0	2867.2
52.5°	2750.7	2748.9	2854.6	3116.2	3653.8	3994.3	3610.8	3336.7	3351.0	3268.6	3272.1
55°	2485.5	2480.1	2609.1	2886.9	3632.3	4444.1	4343.8	3897.5	3861.7	3702.2	3718.4
57.5°	2001.6	2014.2	2112.7	2446.0	3352.8	4653.8	5216.4	4528.3	4406.5	4076.7	4076.7
60°	1460.5	1449.7	1523.2	1756.1	2686.2	4574.9	5933.2	5272.0	5080.3	4386.8	4340.2
62.5°	1111.0	1109.2	1128.9	1207.8	1704.2	3988.9	6241.5	6218.2	5906.4	4691.4	4625.1
65°	897.8	901.4	928.2	983.8	1041.1	2720.2	6078.4	7347.1	7062.2	5144.8	4927.9
67.5°	732.9	741.9	774.1	894.2	881.7	1408.5	5177.0	7994.0	8047.8	5836.5	5334.7
70°	564.5	578.8	616.4	786.7	849.4	937.2	3589.3	7671.5	7814.8	6266.5	5089.2
72.5°	383.5	381.7	462.3	637.9	858.4	858.4	1998.1	6178.7	6314.9	5777.3	4420.8
75°	207.9	220.4	306.4	482.0	786.7	829.7	1137.9	4521.2	4712.9	4492.5	3419.1
77.5°	112.9	114.7	170.2	315.4	654.1	792.1	759.8	3075.0	3150.3	2709.5	1872.6
80°	59.1	60.9	89.6	206.1	451.6	734.7	632.6	1833.2	1761.5	1039.3	618.2
82.5°	26.9	28.7	44.8	129.0	288.5	578.8	546.6	885.2	817.1	290.3	188.2
85°	10.8	10.8	19.7	77.1	168.4	284.9	467.7	444.4	370.9	87.8	93.2
87.5°	3.6	3.6	5.4	30.5	68.1	170.2	249.1	234.7	161.3	32.3	50.2
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°	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2	1824.2
2.5°	1809.9	1829.6	1824.2	1820.6	1786.6	1783.0	1779.4	1747.2	1757.9	1731.0	1749.0
5°	1820.6	1831.4	1802.7	1749.0	1700.6	1646.8	1605.6	1576.9	1525.0	1505.3	1501.7
7.5°	1809.9	1809.9	1750.8	1664.7	1569.8	1482.0	1370.9	1292.0	1232.9	1188.1	1204.2
10°	1795.6	1774.1	1713.1	1560.8	1388.8	1256.2	1096.7	980.2	892.4	863.7	845.8
12.5°	1795.6	1757.9	1621.7	1413.9	1191.7	991.0	801.0	648.7	564.5	514.3	507.1
15°	1779.4	1723.9	1555.4	1275.9	999.9	727.5	510.7	379.9	308.2	288.5	281.3
17.5°	1783.0	1716.7	1456.9	1112.8	775.9	483.8	311.8	240.1	222.2	213.2	215.0
20°	1790.2	1716.7	1369.1	953.3	559.1	301.1	215.0	202.5	193.5	189.9	191.7
22.5°	1813.5	1682.7	1279.5	790.3	378.1	216.8	189.9	177.4	170.2	164.9	163.1
25°	1817.1	1677.3	1193.5	629.0	259.8	182.8	166.7	152.3	143.4	136.2	134.4
27.5°	1811.7	1654.0	1073.4	467.7	195.3	163.1	141.6	127.2	114.7	109.3	107.5
30°	1831.4	1611.0	971.3	336.9	164.9	141.6	120.1	103.9	93.2	86.0	86.0
32.5°	1833.2	1573.4	858.4	240.1	150.5	125.4	102.1	84.2	73.5	69.9	69.9
35°	1835.0	1539.3	732.9	182.8	134.4	107.5	84.2	69.9	62.7	57.3	57.3
37.5°	1840.4	1514.2	618.2	154.1	120.1	91.4	69.9	57.3	50.2	48.4	48.4
40°	1851.1	1480.2	498.2	136.2	103.9	77.1	59.1	48.4	41.2	39.4	37.6
42.5°	1879.8	1471.2	397.8	121.9	93.2	64.5	48.4	39.4	34.0	30.5	28.7
45°	1998.1	1494.5	308.2	112.9	78.8	53.8	41.2	32.3	25.1	23.3	21.5
47.5°	2191.6	1571.6	243.7	100.4	66.3	44.8	34.0	25.1	19.7	17.9	16.1
50°	2485.5	1747.2	198.9	89.6	55.6	37.6	26.9	19.7	14.3	12.5	12.5
52.5°	2870.7	1983.7	172.0	78.8	44.8	32.3	21.5	14.3	10.8	9.0	9.0
55°	3265.0	2263.3	161.3	68.1	37.6	26.9	16.1	10.8	7.2	5.4	5.4
57.5°	3627.0	2444.3	155.9	55.6	32.3	19.7	12.5	7.2	3.6	1.8	1.8
60°	3852.8	2576.9	139.8	44.8	25.1	16.1	9.0	3.6	1.8	0.0	0.0
62.5°	4150.2	2711.3	114.7	34.0	17.9	10.8	5.4	1.8	0.0	0.0	0.0
65°	4542.7	2861.8	89.6	26.9	14.3	7.2	3.6	1.8	0.0	0.0	0.0
67.5°	4730.8	2782.9	60.9	19.7	9.0	3.6	1.8	0.0	0.0	0.0	0.0
70°	4354.5	2343.9	43.0	14.3	5.4	1.8	1.8	0.0	0.0	0.0	0.0
72.5°	3661.0	1836.8	32.3	9.0	3.6	1.8	0.0	0.0	0.0	0.0	0.0
75°	2698.7	1148.7	25.1	7.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1431.8	428.3	17.9	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	422.9	125.4	12.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	139.8	37.6	7.2	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	71.7	14.3	3.6	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	41.2	5.4	3.6	3.6	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)