

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: P675595

Luminaire Tested: **CCW-SA-2C-827-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675595  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-827-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
SL3 distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

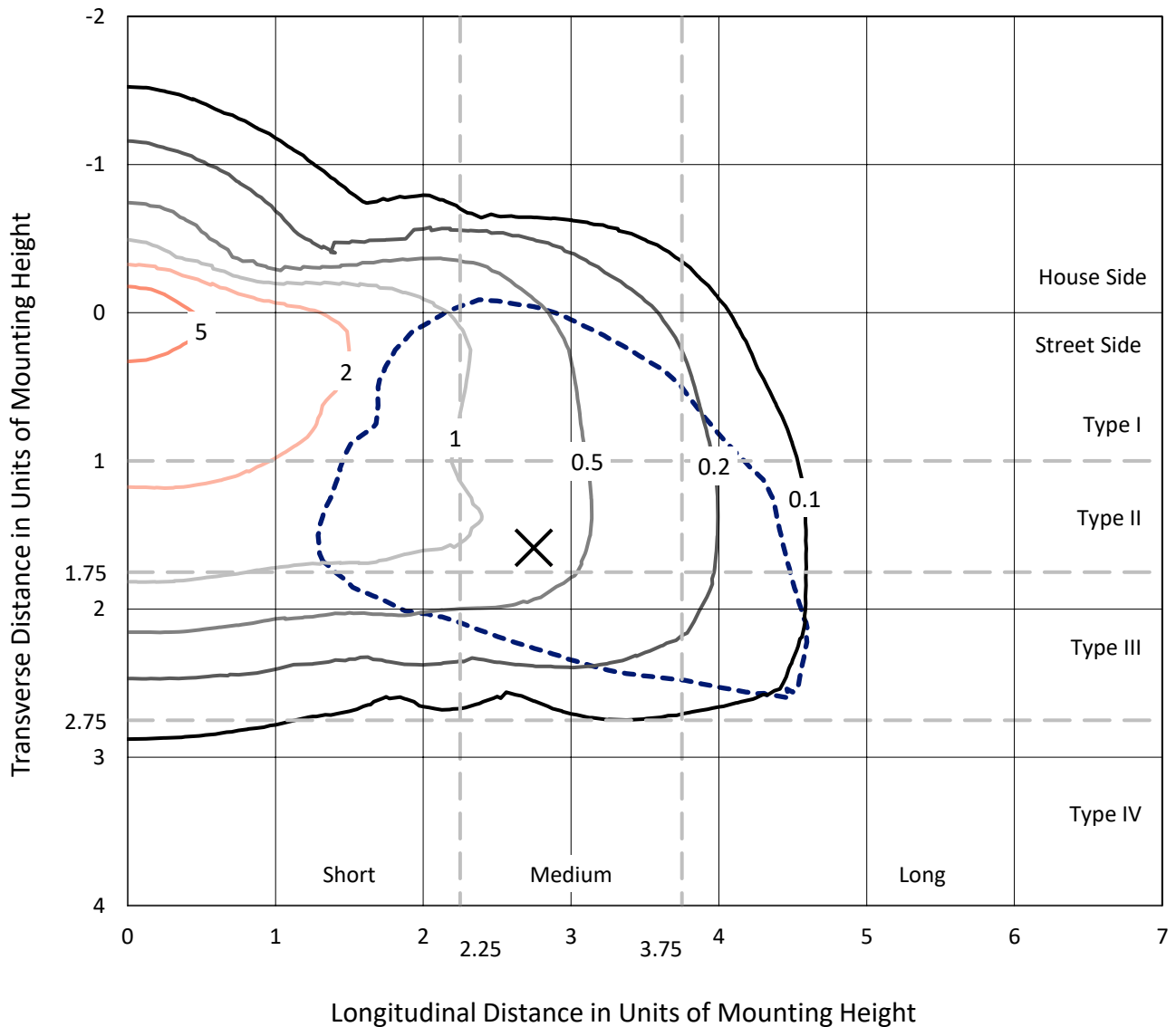
Lumens per Lamp: N/A  
Luminaire Lumens: 6571.6 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

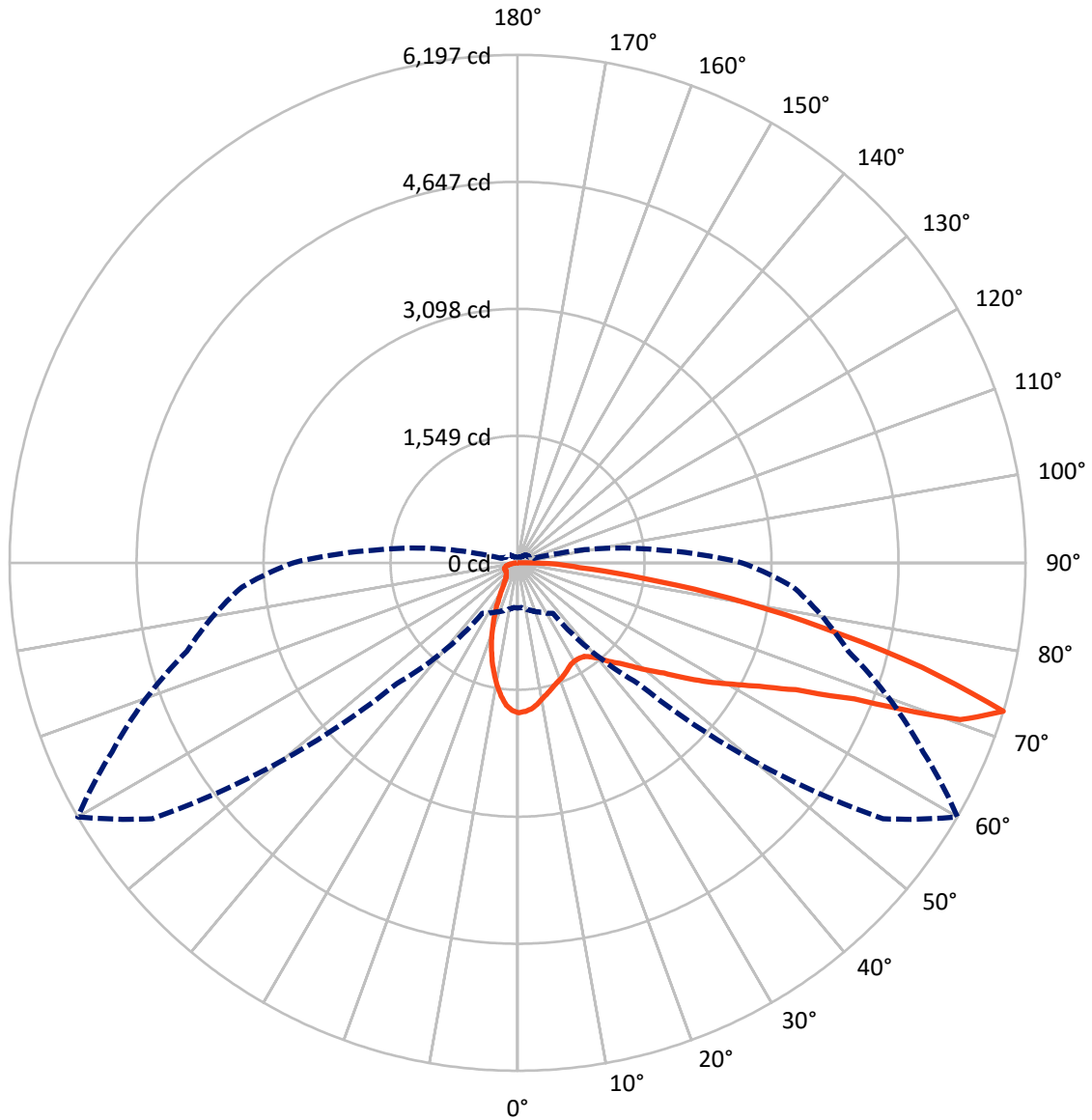
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 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
<b>House Side</b>	Lumens	1128.9	0.0	1128.9
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5442.7	0.0	5442.7
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	6571.6	0.0	6571.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.6	2.4
10°-20°	359.7	5.5
20°-30°	460.3	7.0
30°-40°	588.8	9.0
40°-50°	807.6	12.3
50°-60°	1168.1	17.8
60°-70°	1602.5	24.4
70°-80°	1202.5	18.3
80°-90°	223.5	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°	6571.6	100.0
0°-180°	6571.6	100.0

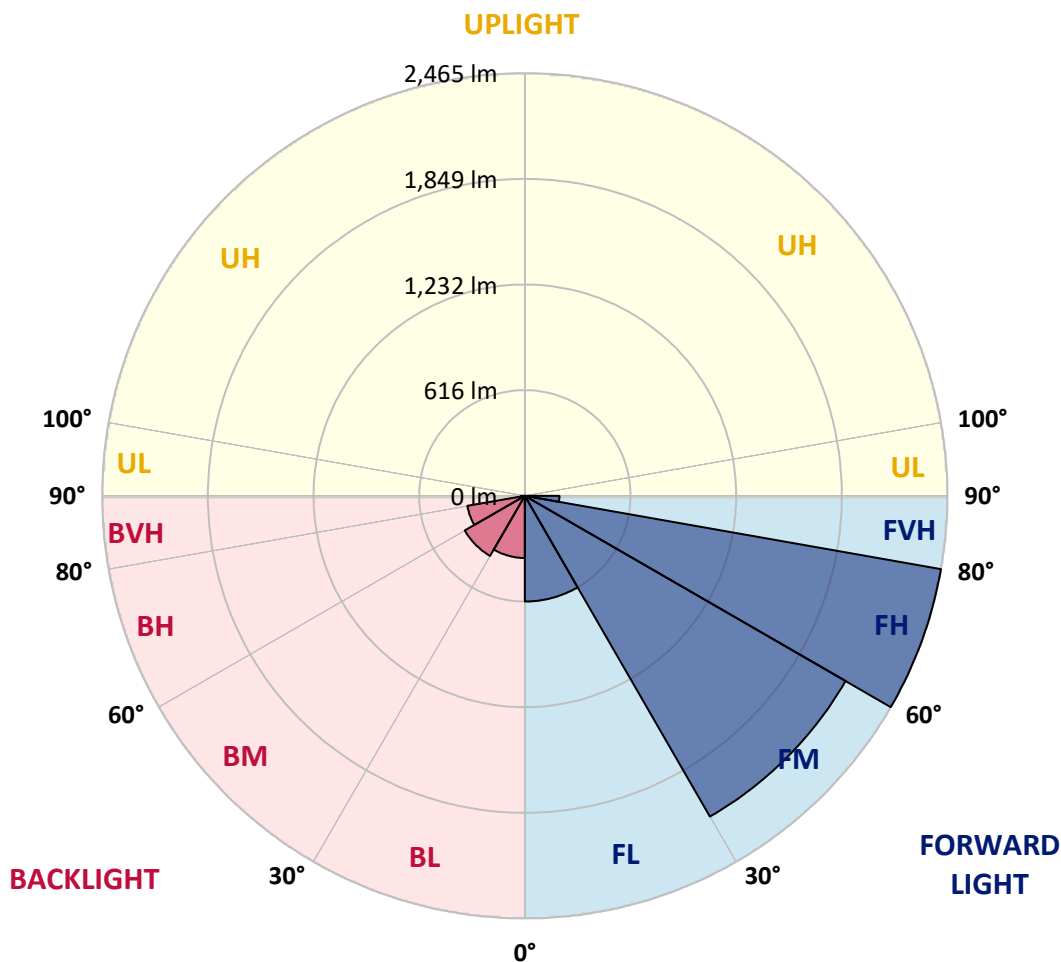


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.2	9.4			
FM (30°-60°)	2160.0	32.9			
FH (60°-80°)	2464.8	37.5			G2/5000
FVH (80°-90°)	201.7	3.1			G2/225
BL (0°-30°)	362.4	5.5	B1/500		
BM (30°-60°)	404.6	6.2	B1/1000		
BH (60°-80°)	340.2	5.2	B1/500		G1/500
BVH (80°-90°)	21.8	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°	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9
2.5°	1790.7	1807.8	1812.7	1812.7	1827.4	1810.3	1834.8	1815.2	1820.1	1827.4	1822.5
5°	1705.1	1734.5	1717.3	1749.1	1736.9	1758.9	1788.3	1788.3	1780.9	1795.6	1783.4
7.5°	1621.9	1612.1	1641.5	1641.5	1661.1	1690.4	1714.9	1739.3	1741.8	1746.7	1744.2
10°	1509.4	1521.6	1536.3	1555.9	1580.3	1609.7	1661.1	1680.6	1685.5	1714.9	1707.5
12.5°	1416.4	1433.6	1443.3	1482.5	1504.5	1546.1	1604.8	1631.7	1634.2	1675.7	1675.7
15°	1347.9	1357.7	1379.7	1394.4	1443.3	1502.1	1558.3	1582.8	1609.7	1653.7	1641.5
17.5°	1301.5	1313.7	1323.5	1343.0	1389.5	1438.4	1526.5	1541.2	1573.0	1636.6	1621.9
20°	1274.5	1277.0	1291.7	1303.9	1345.5	1392.0	1470.2	1509.4	1551.0	1607.2	1592.6
22.5°	1279.4	1269.6	1267.2	1284.3	1291.7	1335.7	1431.1	1472.7	1531.4	1597.5	1573.0
25°	1289.2	1291.7	1286.8	1272.1	1274.5	1313.7	1377.3	1431.1	1497.2	1595.0	1546.1
27.5°	1313.7	1325.9	1306.3	1291.7	1277.0	1291.7	1357.7	1396.9	1470.2	1607.2	1543.6
30°	1338.1	1350.4	1345.5	1323.5	1294.1	1289.2	1335.7	1384.6	1455.6	1617.0	1543.6
32.5°	1374.8	1392.0	1374.8	1382.2	1347.9	1325.9	1343.0	1387.1	1470.2	1651.3	1546.1
35°	1416.4	1431.1	1436.0	1418.9	1411.5	1369.9	1379.7	1401.8	1484.9	1690.4	1570.5
37.5°	1462.9	1480.0	1494.7	1497.2	1472.7	1448.2	1443.3	1455.6	1521.6	1758.9	1597.5
40°	1494.7	1504.5	1533.9	1558.3	1565.7	1531.4	1529.0	1529.0	1587.7	1820.1	1646.4
42.5°	1548.5	1543.6	1585.2	1629.3	1641.5	1621.9	1626.8	1646.4	1680.6	1908.1	1724.7
45°	1575.4	1570.5	1619.5	1692.9	1749.1	1739.3	1744.2	1751.6	1783.4	2047.6	1856.8
47.5°	1612.1	1617.0	1688.0	1771.1	1829.9	1864.1	1891.0	1888.6	1913.0	2189.5	2003.5
50°	1648.8	1658.6	1744.2	1832.3	1935.1	1993.8	2032.9	2059.8	2084.3	2338.7	2172.3
52.5°	1719.8	1729.6	1825.0	1920.4	2052.5	2138.1	2236.0	2233.5	2236.0	2487.9	2341.1
55°	1822.5	1825.0	1881.2	1991.3	2169.9	2326.5	2461.0	2475.7	2434.1	2673.8	2534.4
57.5°	1939.9	1949.7	1998.7	2081.8	2262.9	2507.5	2713.0	2742.3	2629.8	2825.5	2710.5
60°	2050.0	2057.4	2133.2	2228.6	2424.3	2735.0	2967.4	3001.7	2879.3	3011.4	2894.0
62.5°	1925.3	1962.0	2096.5	2314.2	2708.1	3079.9	3290.3	3312.3	3121.5	3199.8	3089.7
65°	1541.2	1565.7	1758.9	2111.2	2727.7	3706.2	3789.4	3730.7	3454.2	3442.0	3385.7
67.5°	858.7	878.2	1010.3	1379.7	2297.1	3941.0	4863.3	4432.8	3970.4	3806.5	3786.9
70°	677.6	682.5	699.7	775.5	1274.5	3473.8	5709.8	5729.3	4814.4	4308.0	3872.6
72.5°	550.4	548.0	599.4	665.4	753.5	2084.3	5443.1	6196.6	5460.2	4175.9	3373.5
75°	420.8	428.1	494.2	589.6	689.9	981.0	4060.9	5098.2	5115.3	3892.1	2845.1
77.5°	320.5	322.9	396.3	521.1	675.2	692.3	2649.4	3799.2	3816.3	3013.9	1568.1
80°	239.7	239.7	300.9	440.3	658.1	638.5	1631.7	2634.7	2385.2	1059.3	342.5
82.5°	137.0	146.8	200.6	335.1	596.9	614.0	919.8	1509.4	1007.9	288.7	159.0
85°	73.4	75.8	122.3	225.1	491.7	587.1	702.1	751.0	401.2	154.1	73.4
87.5°	26.9	26.9	56.3	115.0	310.7	435.4	557.8	479.5	230.0	70.9	36.7
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°	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9	1829.9
2.5°	1827.4	1817.6	1810.3	1817.6	1790.7	1778.5	1793.2	1785.8	1771.1	1763.8	1758.9
5°	1790.7	1778.5	1766.3	1758.9	1729.6	1700.2	1685.5	1656.2	1631.7	1639.0	1624.4
7.5°	1751.6	1739.3	1702.7	1668.4	1609.7	1551.0	1524.1	1482.5	1467.8	1455.6	1448.2
10°	1702.7	1680.6	1624.4	1555.9	1470.2	1404.2	1335.7	1286.8	1235.4	1213.4	1220.7
12.5°	1641.5	1629.3	1541.2	1436.0	1316.1	1206.0	1125.3	1047.0	978.5	941.8	932.1
15°	1614.6	1577.9	1450.7	1311.2	1159.6	1022.6	902.7	765.7	685.0	645.8	645.8
17.5°	1585.2	1516.7	1365.1	1174.2	1000.6	824.4	655.6	530.9	467.3	445.2	445.2
20°	1538.7	1462.9	1264.8	1044.6	834.2	621.4	469.7	401.2	381.6	367.0	369.4
22.5°	1504.5	1411.5	1171.8	917.4	660.5	462.4	369.4	347.4	340.0	335.1	337.6
25°	1465.4	1350.4	1073.9	780.4	518.6	364.5	320.5	310.7	315.6	318.0	318.0
27.5°	1433.6	1299.0	973.6	633.6	391.4	308.2	288.7	286.2	296.0	300.9	303.3
30°	1411.5	1252.5	875.8	499.1	313.1	274.0	264.2	264.2	276.4	281.3	283.8
32.5°	1389.5	1213.4	770.6	381.6	266.7	244.6	242.2	244.6	252.0	252.0	254.4
35°	1396.9	1176.7	670.3	308.2	239.7	225.1	225.1	225.1	227.5	230.0	230.0
37.5°	1411.5	1166.9	562.7	259.3	220.2	210.4	210.4	207.9	210.4	207.9	210.4
40°	1426.2	1152.2	464.8	230.0	207.9	200.6	198.2	193.3	190.8	190.8	193.3
42.5°	1487.4	1171.8	381.6	210.4	198.2	193.3	185.9	181.0	178.6	178.6	178.6
45°	1565.7	1208.5	315.6	200.6	190.8	178.6	173.7	171.2	166.4	168.8	171.2
47.5°	1683.1	1264.8	276.4	193.3	183.5	168.8	163.9	159.0	159.0	163.9	163.9
50°	1837.2	1357.7	252.0	185.9	176.1	161.5	154.1	151.7	151.7	159.0	159.0
52.5°	2003.5	1465.4	242.2	183.5	168.8	154.1	146.8	144.3	144.3	154.1	154.1
55°	2169.9	1597.5	249.5	183.5	163.9	146.8	139.4	134.5	137.0	144.3	144.3
57.5°	2353.4	1739.3	286.2	183.5	159.0	144.3	134.5	127.2	129.7	132.1	132.1
60°	2554.0	1925.3	349.8	183.5	156.6	139.4	127.2	117.4	117.4	119.9	119.9
62.5°	2757.0	2108.7	440.3	185.9	159.0	137.0	117.4	107.6	105.2	107.6	107.6
65°	3023.7	2402.3	530.9	185.9	166.4	132.1	110.1	97.9	95.4	95.4	97.9
67.5°	3398.0	2612.7	411.0	178.6	171.2	132.1	102.7	90.5	85.6	85.6	85.6
70°	3199.8	2204.1	261.8	166.4	163.9	137.0	97.9	83.2	78.3	75.8	75.8
72.5°	2739.9	1763.8	210.4	156.6	151.7	134.5	93.0	78.3	70.9	68.5	68.5
75°	2196.8	1392.0	183.5	141.9	132.1	112.5	85.6	70.9	66.1	61.2	61.2
77.5°	1076.4	582.2	139.4	124.8	112.5	85.6	75.8	66.1	58.7	53.8	53.8
80°	269.1	203.0	102.7	97.9	83.2	66.1	61.2	56.3	51.4	46.5	46.5
82.5°	144.3	119.9	73.4	66.1	56.3	46.5	46.5	44.0	41.6	36.7	34.2
85°	73.4	70.9	48.9	44.0	36.7	29.4	31.8	31.8	29.4	22.0	22.0
87.5°	39.1	39.1	24.5	19.6	17.1	14.7	14.7	14.7	12.2	9.8	9.8
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)