

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: P675529

Luminaire Tested: **CCW-SA-2C-727-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675529  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-727-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
SL3 distribution lens  
Light Source: (32) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

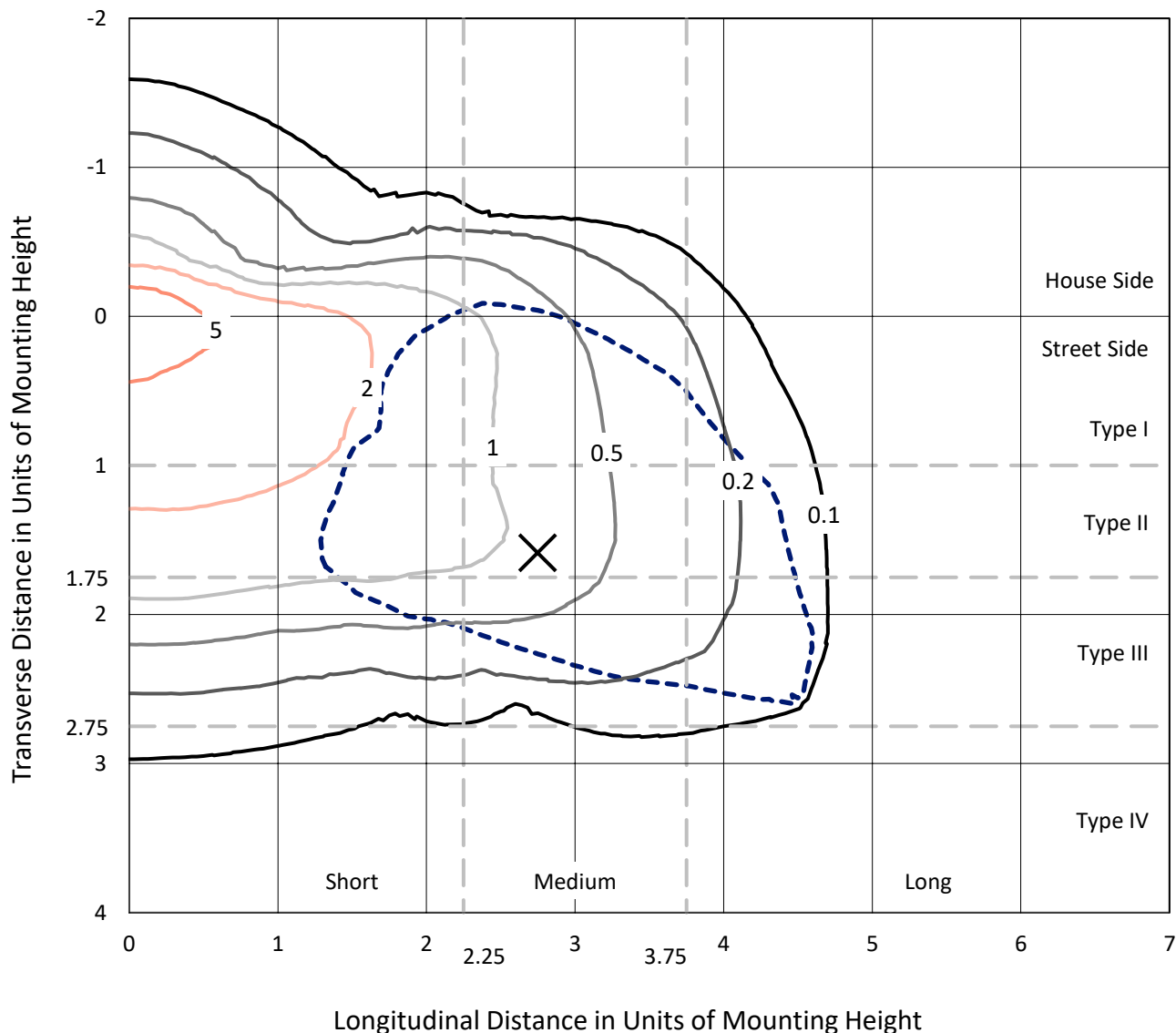
Lumens per Lamp: N/A  
Luminaire Lumens: 7476.3 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

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

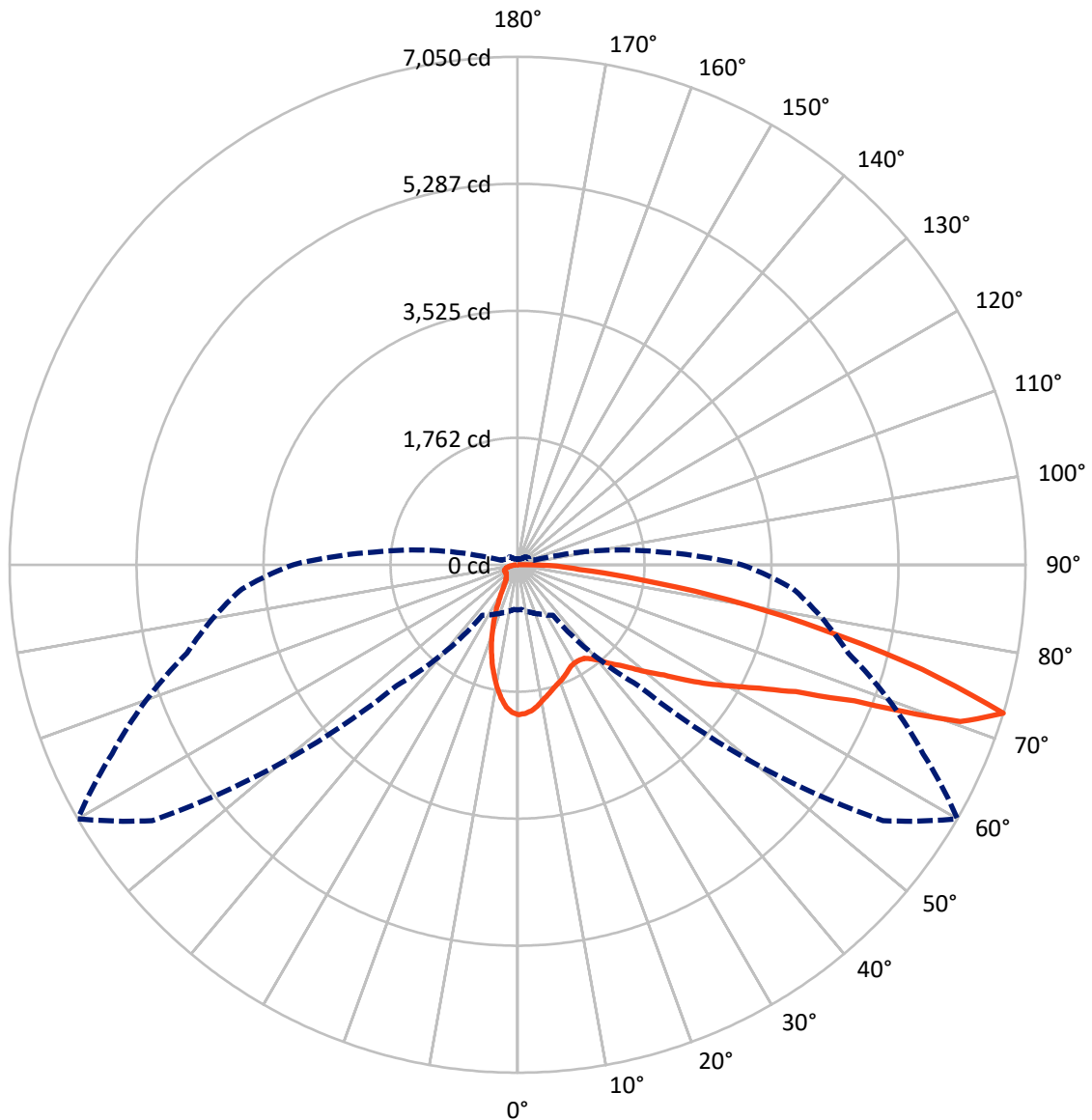
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 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	1284.3	0.0	1284.3
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	6192.0	0.0	6192.0
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	7476.3	0.0	7476.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.4	2.4
10°-20°	409.2	5.5
20°-30°	523.7	7.0
30°-40°	669.9	9.0
40°-50°	918.8	12.3
50°-60°	1328.9	17.8
60°-70°	1823.1	24.4
70°-80°	1368.0	18.3
80°-90°	254.3	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°	7476.3	100.0
0°-180°	7476.3	100.0

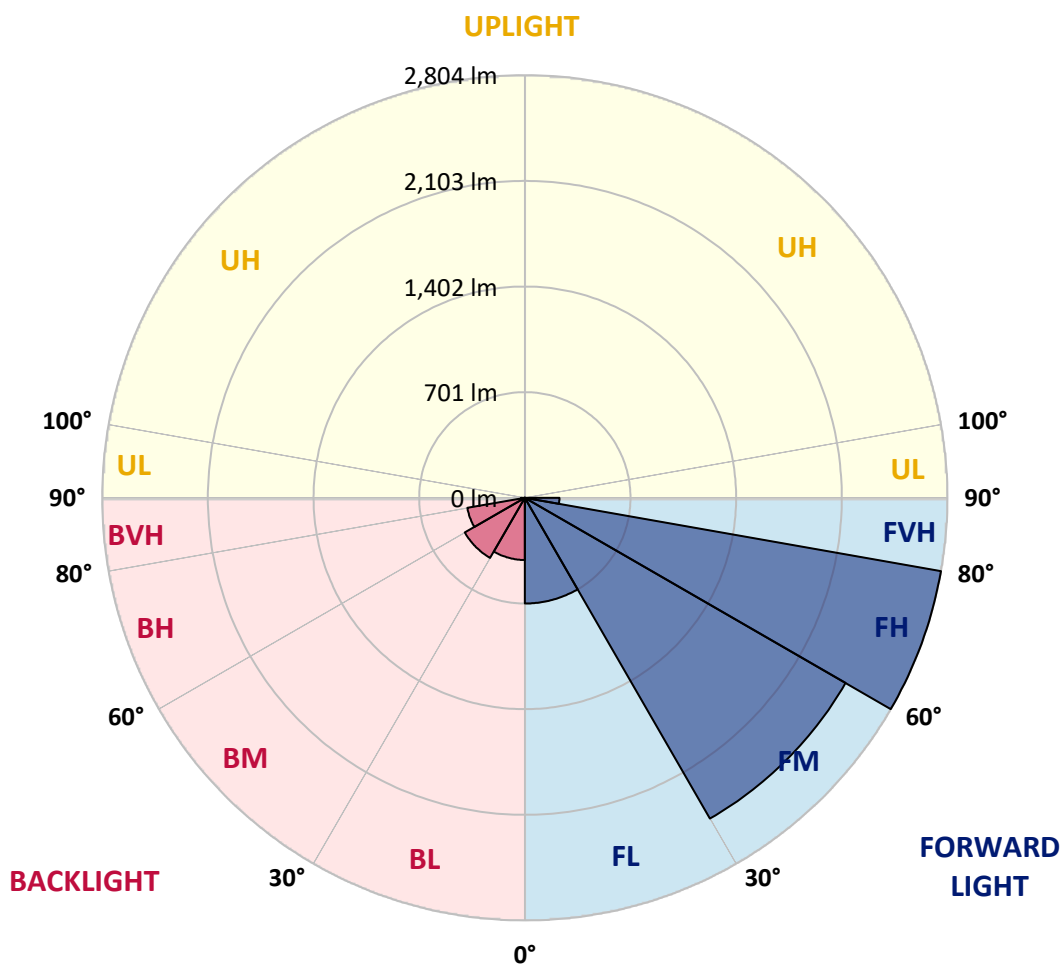


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	701.0	9.4			
FM	(30°-60°)	2457.4	32.9			
FH	(60°-80°)	2804.1	37.5			G2/5000
FVH	(80°-90°)	229.5	3.1			G3/500
BL	(0°-30°)	412.3	5.5	B1/500		
BM	(30°-60°)	460.2	6.2	B1/1000		
BH	(60°-80°)	387.0	5.2	B1/500		G1/500
BVH	(80°-90°)	24.8	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-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8
2.5°	2037.2	2056.7	2062.3	2062.3	2079.0	2059.5	2087.3	2065.1	2070.6	2079.0	2073.4
5°	1939.8	1973.2	1953.8	1989.9	1976.0	2001.1	2034.5	2034.5	2026.1	2042.8	2028.9
7.5°	1845.2	1834.1	1867.5	1867.5	1889.7	1923.1	1951.0	1978.8	1981.6	1987.1	1984.4
10°	1717.2	1731.1	1747.8	1770.1	1797.9	1831.3	1889.7	1912.0	1917.6	1951.0	1942.6
12.5°	1611.4	1630.9	1642.0	1686.6	1711.6	1758.9	1825.7	1856.3	1859.1	1906.4	1906.4
15°	1533.5	1544.6	1569.7	1586.4	1642.0	1708.8	1772.8	1800.7	1831.3	1881.4	1867.5
17.5°	1480.6	1494.5	1505.7	1527.9	1580.8	1636.5	1736.7	1753.4	1789.5	1861.9	1845.2
20°	1450.0	1452.8	1469.5	1483.4	1530.7	1583.6	1672.7	1717.2	1764.5	1828.5	1811.8
22.5°	1455.6	1444.4	1441.7	1461.1	1469.5	1519.6	1628.1	1675.4	1742.2	1817.4	1789.5
25°	1466.7	1469.5	1463.9	1447.2	1450.0	1494.5	1566.9	1628.1	1703.3	1814.6	1758.9
27.5°	1494.5	1508.5	1486.2	1469.5	1452.8	1469.5	1544.6	1589.2	1672.7	1828.5	1756.1
30°	1522.4	1536.3	1530.7	1505.7	1472.3	1466.7	1519.6	1575.2	1656.0	1839.6	1756.1
32.5°	1564.1	1583.6	1564.1	1572.5	1533.5	1508.5	1527.9	1578.0	1672.7	1878.6	1758.9
35°	1611.4	1628.1	1633.7	1614.2	1605.9	1558.5	1569.7	1594.7	1689.4	1923.1	1786.8
37.5°	1664.3	1683.8	1700.5	1703.3	1675.4	1647.6	1642.0	1656.0	1731.1	2001.1	1817.4
40°	1700.5	1711.6	1745.0	1772.8	1781.2	1742.2	1739.5	1739.5	1806.2	2070.6	1873.0
42.5°	1761.7	1756.1	1803.5	1853.6	1867.5	1845.2	1850.8	1873.0	1912.0	2170.8	1962.1
45°	1792.3	1786.8	1842.4	1925.9	1989.9	1978.8	1984.4	1992.7	2028.9	2329.5	2112.4
47.5°	1834.1	1839.6	1920.4	2015.0	2081.8	2120.7	2151.4	2148.6	2176.4	2490.9	2279.4
50°	1875.8	1887.0	1984.4	2084.6	2201.4	2268.2	2312.8	2343.4	2371.2	2660.7	2471.4
52.5°	1956.5	1967.7	2076.2	2184.7	2335.0	2432.4	2543.8	2541.0	2543.8	2830.4	2663.4
55°	2073.4	2076.2	2140.2	2265.5	2468.6	2646.7	2799.8	2816.5	2769.2	3042.0	2883.3
57.5°	2207.0	2218.1	2273.8	2368.4	2574.4	2852.7	3086.5	3119.9	2991.9	3214.5	3083.7
60°	2332.3	2340.6	2426.9	2535.4	2758.1	3111.5	3375.9	3414.9	3275.7	3426.0	3292.4
62.5°	2190.3	2232.1	2385.1	2632.8	3080.9	3503.9	3743.3	3768.3	3551.3	3640.3	3515.1
65°	1753.4	1781.2	2001.1	2401.8	3103.2	4216.4	4311.1	4244.3	3929.8	3915.9	3851.8
67.5°	976.9	999.1	1149.4	1569.7	2613.3	4483.6	5532.8	5043.0	4517.0	4330.5	4308.3
70°	770.9	776.5	796.0	882.2	1450.0	3952.0	6495.8	6518.1	5477.2	4901.1	4405.7
72.5°	626.2	623.4	681.9	757.0	857.2	2371.2	6192.4	7049.6	6211.9	4750.8	3837.9
75°	478.7	487.0	562.2	670.7	784.8	1116.0	4620.0	5800.0	5819.5	4427.9	3236.8
77.5°	364.6	367.4	450.9	592.8	768.1	787.6	3014.1	4322.2	4341.7	3428.8	1784.0
80°	272.7	272.7	342.3	501.0	748.7	726.4	1856.3	2997.4	2713.5	1205.1	389.6
82.5°	155.9	167.0	228.2	381.3	679.1	698.6	1046.5	1717.2	1146.6	328.4	180.9
85°	83.5	86.3	139.2	256.0	559.4	667.9	798.8	854.4	456.4	175.3	83.5
87.5°	30.6	30.6	64.0	130.8	353.5	495.4	634.6	545.5	261.6	80.7	41.7
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°	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8	2081.8
2.5°	2079.0	2067.9	2059.5	2067.9	2037.2	2023.3	2040.0	2031.7	2015.0	2006.6	2001.1
5°	2037.2	2023.3	2009.4	2001.1	1967.7	1934.3	1917.6	1884.2	1856.3	1864.7	1848.0
7.5°	1992.7	1978.8	1937.1	1898.1	1831.3	1764.5	1733.9	1686.6	1669.9	1656.0	1647.6
10°	1937.1	1912.0	1848.0	1770.1	1672.7	1597.5	1519.6	1463.9	1405.5	1380.4	1388.8
12.5°	1867.5	1853.6	1753.4	1633.7	1497.3	1372.1	1280.2	1191.2	1113.2	1071.5	1060.4
15°	1836.9	1795.1	1650.4	1491.8	1319.2	1163.3	1027.0	871.1	779.3	734.7	734.7
17.5°	1803.5	1725.5	1553.0	1335.9	1138.3	937.9	745.9	603.9	531.6	506.5	506.5
20°	1750.6	1664.3	1438.9	1188.4	949.0	706.9	534.4	456.4	434.2	417.5	420.3
22.5°	1711.6	1605.9	1333.1	1043.7	751.4	526.0	420.3	395.2	386.9	381.3	384.1
25°	1667.1	1536.3	1221.8	887.8	590.0	414.7	364.6	353.5	359.0	361.8	361.8
27.5°	1630.9	1477.8	1107.7	720.8	445.3	350.7	328.4	325.6	336.8	342.3	345.1
30°	1605.9	1425.0	996.4	567.8	356.2	311.7	300.6	300.6	314.5	320.1	322.8
32.5°	1580.8	1380.4	876.7	434.2	303.4	278.3	275.5	278.3	286.7	286.7	289.4
35°	1589.2	1338.7	762.6	350.7	272.7	256.0	256.0	256.0	258.8	261.6	261.6
37.5°	1605.9	1327.5	640.1	295.0	250.5	239.3	239.3	236.6	239.3	236.6	239.3
40°	1622.6	1310.8	528.8	261.6	236.6	228.2	225.4	219.9	217.1	217.1	219.9
42.5°	1692.1	1333.1	434.2	239.3	225.4	219.9	211.5	206.0	203.2	203.2	203.2
45°	1781.2	1374.9	359.0	228.2	217.1	203.2	197.6	194.8	189.3	192.0	194.8
47.5°	1914.8	1438.9	314.5	219.9	208.7	192.0	186.5	180.9	180.9	186.5	186.5
50°	2090.1	1544.6	286.7	211.5	200.4	183.7	175.3	172.6	172.6	180.9	180.9
52.5°	2279.4	1667.1	275.5	208.7	192.0	175.3	167.0	164.2	164.2	175.3	175.3
55°	2468.6	1817.4	283.9	208.7	186.5	167.0	158.6	153.1	155.9	164.2	164.2
57.5°	2677.4	1978.8	325.6	208.7	180.9	164.2	153.1	144.7	147.5	150.3	150.3
60°	2905.6	2190.3	398.0	208.7	178.1	158.6	144.7	133.6	133.6	136.4	136.4
62.5°	3136.6	2399.0	501.0	211.5	180.9	155.9	133.6	122.5	119.7	122.5	122.5
65°	3439.9	2733.0	603.9	211.5	189.3	150.3	125.2	111.3	108.5	108.5	111.3
67.5°	3865.8	2972.4	467.6	203.2	194.8	150.3	116.9	103.0	97.4	97.4	97.4
70°	3640.3	2507.6	297.8	189.3	186.5	155.9	111.3	94.6	89.1	86.3	86.3
72.5°	3117.1	2006.6	239.3	178.1	172.6	153.1	105.8	89.1	80.7	77.9	77.9
75°	2499.2	1583.6	208.7	161.4	150.3	128.0	97.4	80.7	75.1	69.6	69.6
77.5°	1224.6	662.4	158.6	141.9	128.0	97.4	86.3	75.1	66.8	61.2	61.2
80°	306.1	231.0	116.9	111.3	94.6	75.1	69.6	64.0	58.4	52.9	52.9
82.5°	164.2	136.4	83.5	75.1	64.0	52.9	52.9	50.1	47.3	41.7	39.0
85°	83.5	80.7	55.7	50.1	41.7	33.4	36.2	36.2	33.4	25.0	25.0
87.5°	44.5	44.5	27.8	22.3	19.5	16.7	16.7	16.7	13.9	11.1	11.1
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)