

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: P671408

Luminaire Tested: **CCP-SA-2B-750-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671408  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-750-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL3 distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

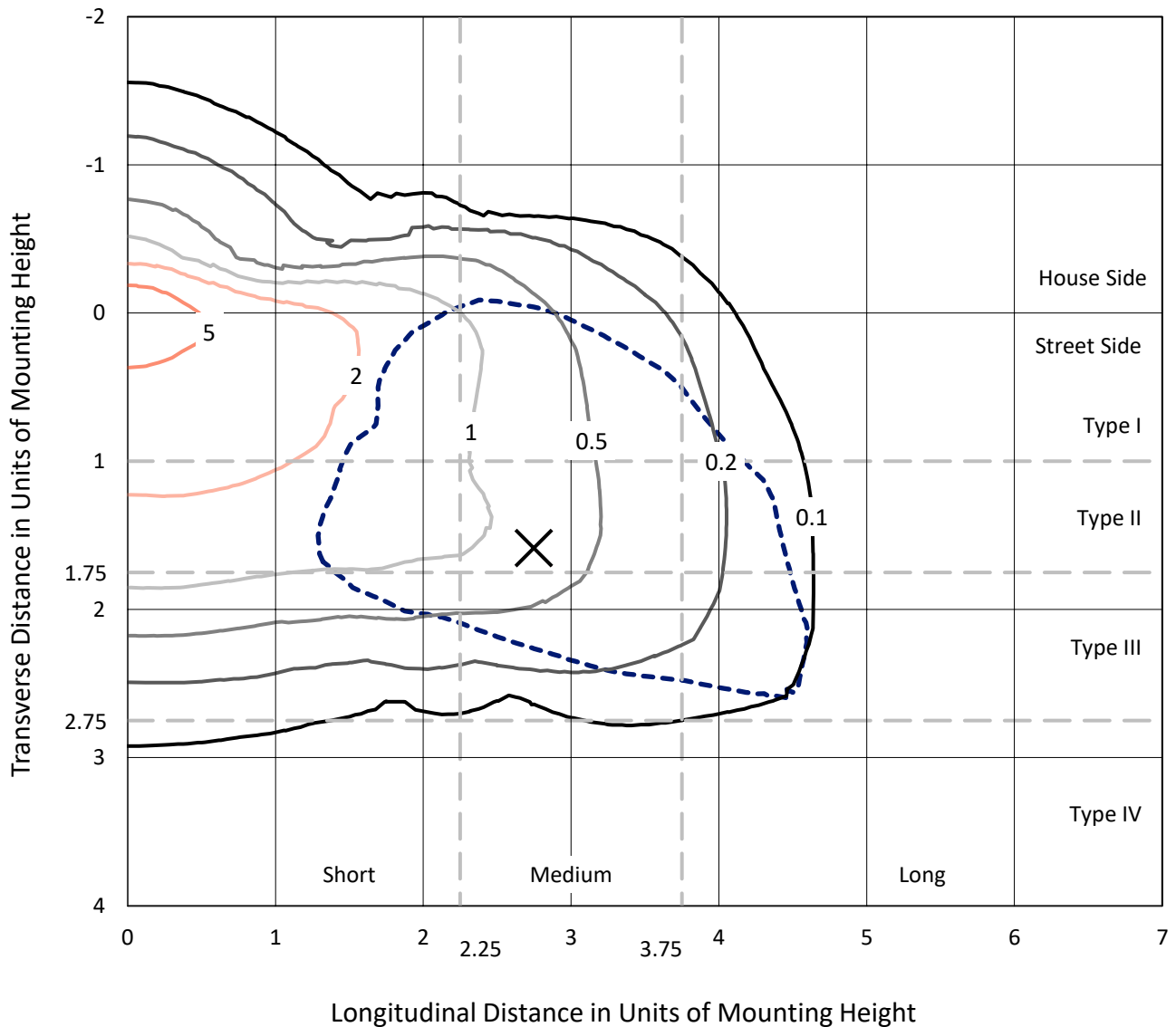
Lumens per Lamp: N/A  
Luminaire Lumens: 6984.8 lumens  
Efficiency: N/A  
Efficacy: 151.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 46  
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

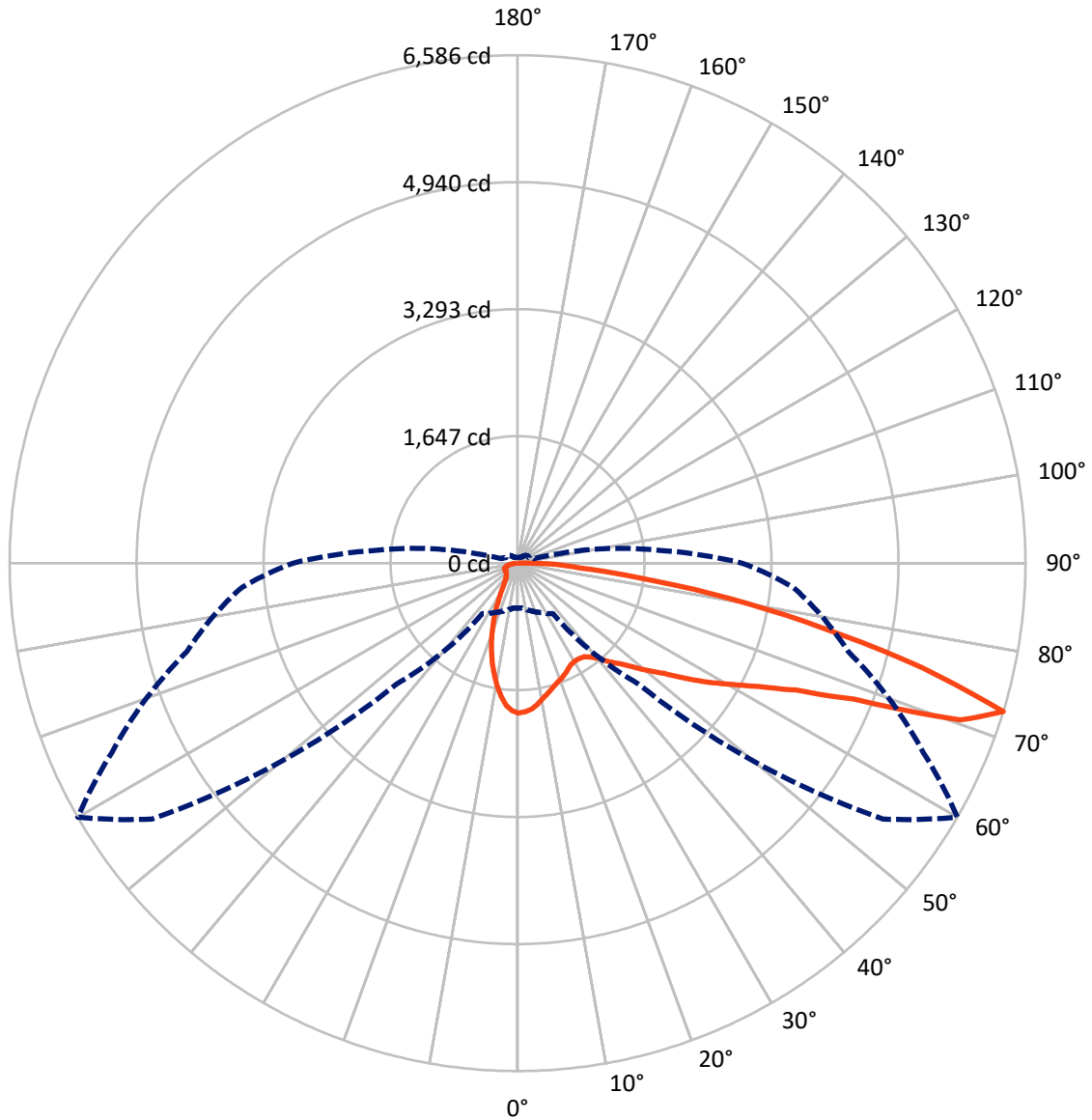
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 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	1199.8	0.0	1199.8
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5784.9	0.0	5784.9
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	6984.8	0.0	6984.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.6	2.4
10°-20°	382.3	5.5
20°-30°	489.2	7.0
30°-40°	625.9	9.0
40°-50°	858.4	12.3
50°-60°	1241.6	17.8
60°-70°	1703.2	24.4
70°-80°	1278.1	18.3
80°-90°	237.5	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°	6984.8	100.0
0°-180°	6984.8	100.0

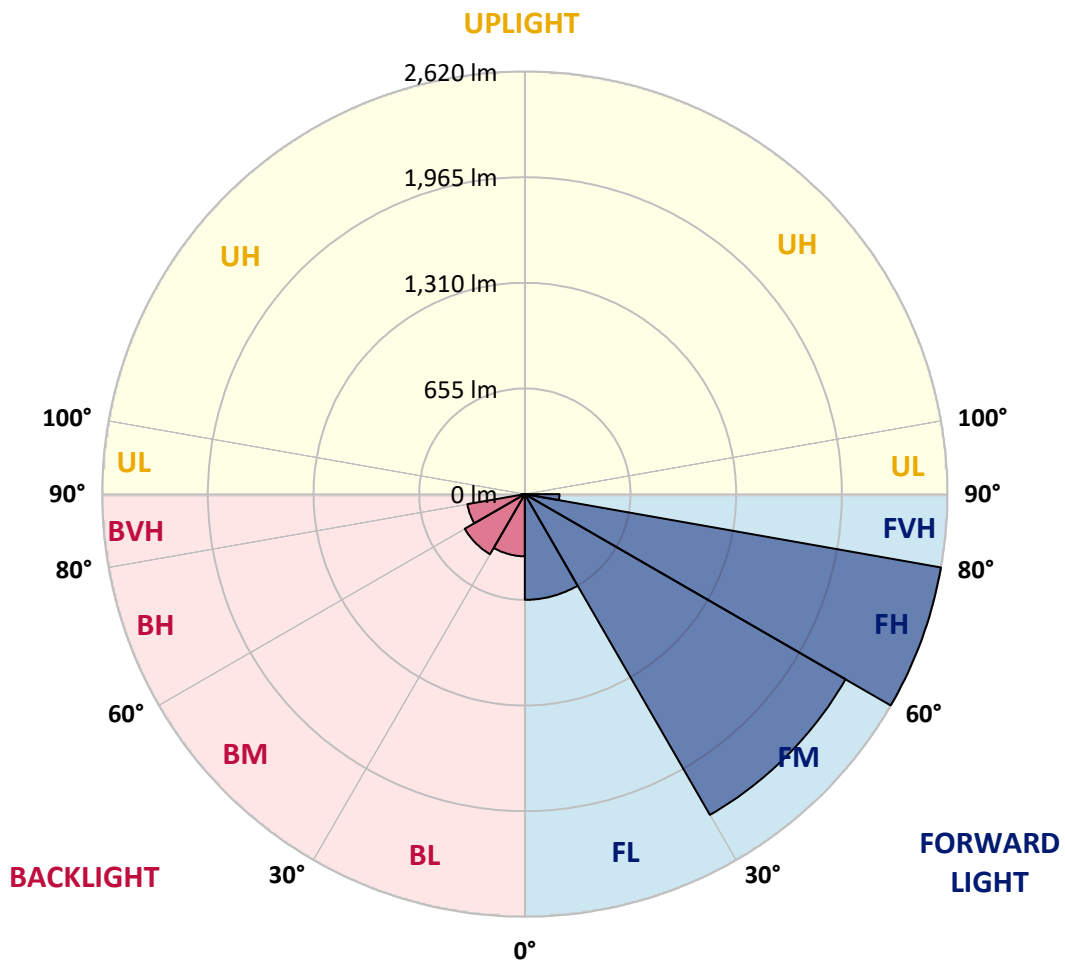


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	654.9	9.4			
FM (30°-60°)	2295.8	32.9			
FH (60°-80°)	2619.7	37.5			G2/5000
FVH (80°-90°)	214.4	3.1			G2/225
BL (0°-30°)	385.2	5.5	B1/500		
BM (30°-60°)	430.0	6.2	B1/1000		
BH (60°-80°)	361.6	5.2	B1/500		G1/500
BVH (80°-90°)	23.1	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°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1903.3	1921.5	1926.7	1926.7	1942.3	1924.1	1950.1	1929.3	1934.5	1942.3	1937.1
5°	1812.3	1843.5	1825.3	1859.1	1846.1	1869.5	1900.7	1900.7	1892.9	1908.5	1895.5
7.5°	1723.9	1713.5	1744.7	1744.7	1765.5	1796.7	1822.7	1848.7	1851.3	1856.5	1853.9
10°	1604.3	1617.3	1632.9	1653.7	1679.7	1710.9	1765.5	1786.3	1791.5	1822.7	1814.9
12.5°	1505.5	1523.7	1534.1	1575.7	1599.1	1643.3	1705.7	1734.3	1736.9	1781.1	1781.1
15°	1432.7	1443.1	1466.5	1482.1	1534.1	1596.5	1656.3	1682.3	1710.9	1757.7	1744.7
17.5°	1383.3	1396.3	1406.7	1427.5	1476.9	1528.9	1622.5	1638.1	1671.9	1739.5	1723.9
20°	1354.7	1357.3	1372.9	1385.9	1430.1	1479.5	1562.7	1604.3	1648.5	1708.3	1692.7
22.5°	1359.9	1349.5	1346.9	1365.1	1372.9	1419.7	1521.1	1565.3	1627.7	1697.9	1671.9
25°	1370.3	1372.9	1367.7	1352.1	1354.7	1396.3	1463.9	1521.1	1591.3	1695.3	1643.3
27.5°	1396.3	1409.3	1388.5	1372.9	1357.3	1372.9	1443.1	1484.7	1562.7	1708.3	1640.7
30°	1422.3	1435.3	1430.1	1406.7	1375.5	1370.3	1419.7	1471.7	1547.1	1718.7	1640.7
32.5°	1461.3	1479.5	1461.3	1469.1	1432.7	1409.3	1427.5	1474.3	1562.7	1755.1	1643.3
35°	1505.5	1521.1	1526.3	1508.1	1500.3	1456.1	1466.5	1489.9	1578.3	1796.7	1669.3
37.5°	1554.9	1573.1	1588.7	1591.3	1565.3	1539.3	1534.1	1547.1	1617.3	1869.5	1697.9
40°	1588.7	1599.1	1630.3	1656.3	1664.1	1627.7	1625.1	1625.1	1687.5	1934.5	1749.9
42.5°	1645.9	1640.7	1684.9	1731.7	1744.7	1723.9	1729.1	1749.9	1786.3	2028.1	1833.1
45°	1674.5	1669.3	1721.3	1799.3	1859.1	1848.7	1853.9	1861.7	1895.5	2176.3	1973.5
47.5°	1713.5	1718.7	1794.1	1882.5	1944.9	1981.3	2009.9	2007.3	2033.3	2327.1	2129.5
50°	1752.5	1762.9	1853.9	1947.5	2056.7	2119.1	2160.7	2189.3	2215.3	2485.8	2308.9
52.5°	1827.9	1838.3	1939.7	2041.1	2181.5	2272.5	2376.6	2374.0	2376.6	2644.4	2488.4
55°	1937.1	1939.7	1999.5	2116.5	2306.3	2472.8	2615.8	2631.4	2587.2	2842.0	2693.8
57.5°	2061.9	2072.3	2124.3	2212.7	2405.2	2665.2	2883.6	2914.8	2795.2	3003.2	2881.0
60°	2178.9	2186.7	2267.3	2368.7	2576.8	2907.0	3154.0	3190.4	3060.4	3200.8	3076.0
62.5°	2046.3	2085.3	2228.3	2459.8	2878.4	3273.6	3497.2	3520.6	3317.8	3401.0	3284.0
65°	1638.1	1664.1	1869.5	2243.9	2899.2	3939.2	4027.7	3965.3	3671.4	3658.4	3598.6
67.5°	912.7	933.5	1073.9	1466.5	2441.6	4188.9	5169.1	4711.5	4220.1	4045.9	4025.1
70°	720.2	725.4	743.6	824.3	1354.7	3692.2	6068.8	6089.6	5117.1	4578.9	4116.1
72.5°	585.0	582.4	637.0	707.2	800.9	2215.3	5785.4	6586.2	5803.6	4438.5	3585.6
75°	447.2	455.0	525.2	626.6	733.2	1042.7	4316.3	5418.7	5436.9	4136.9	3024.0
77.5°	340.6	343.2	421.2	553.8	717.6	735.8	2816.0	4038.1	4056.3	3203.4	1666.7
80°	254.8	254.8	319.8	468.0	699.4	678.6	1734.3	2800.4	2535.2	1125.9	364.0
82.5°	145.6	156.0	213.2	356.2	634.4	652.6	977.7	1604.3	1071.3	306.8	169.0
85°	78.0	80.6	130.0	239.2	522.6	624.0	746.2	798.3	426.4	163.8	78.0
87.5°	28.6	28.6	59.8	122.2	330.2	462.8	592.8	509.6	244.4	75.4	39.0
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°	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9	1944.9
2.5°	1942.3	1931.9	1924.1	1931.9	1903.3	1890.3	1905.9	1898.1	1882.5	1874.7	1869.5
5°	1903.3	1890.3	1877.3	1869.5	1838.3	1807.1	1791.5	1760.3	1734.3	1742.1	1726.5
7.5°	1861.7	1848.7	1809.7	1773.3	1710.9	1648.5	1619.9	1575.7	1560.1	1547.1	1539.3
10°	1809.7	1786.3	1726.5	1653.7	1562.7	1492.5	1419.7	1367.7	1313.1	1289.7	1297.5
12.5°	1744.7	1731.7	1638.1	1526.3	1398.9	1281.9	1196.1	1112.9	1040.1	1001.1	990.7
15°	1716.1	1677.1	1541.9	1393.7	1232.5	1086.9	959.5	813.9	728.0	686.4	686.4
17.5°	1684.9	1612.1	1450.9	1248.1	1063.5	876.3	696.8	564.2	496.6	473.2	473.2
20°	1635.5	1554.9	1344.3	1110.3	886.7	660.4	499.2	426.4	405.6	390.0	392.6
22.5°	1599.1	1500.3	1245.5	975.1	702.0	491.4	392.6	369.2	361.4	356.2	358.8
25°	1557.5	1435.3	1141.5	829.5	551.2	387.4	340.6	330.2	335.4	338.0	338.0
27.5°	1523.7	1380.7	1034.9	673.4	416.0	327.6	306.8	304.2	314.6	319.8	322.4
30°	1500.3	1331.3	930.9	530.4	332.8	291.2	280.8	280.8	293.8	299.0	301.6
32.5°	1476.9	1289.7	819.1	405.6	283.4	260.0	257.4	260.0	267.8	267.8	270.4
35°	1484.7	1250.7	712.4	327.6	254.8	239.2	239.2	239.2	241.8	244.4	244.4
37.5°	1500.3	1240.3	598.0	275.6	234.0	223.6	223.6	221.0	223.6	221.0	223.6
40°	1515.9	1224.7	494.0	244.4	221.0	213.2	210.6	205.4	202.8	202.8	205.4
42.5°	1580.9	1245.5	405.6	223.6	210.6	205.4	197.6	192.4	189.8	189.8	189.8
45°	1664.1	1284.5	335.4	213.2	202.8	189.8	184.6	182.0	176.8	179.4	182.0
47.5°	1788.9	1344.3	293.8	205.4	195.0	179.4	174.2	169.0	169.0	174.2	174.2
50°	1952.7	1443.1	267.8	197.6	187.2	171.6	163.8	161.2	161.2	169.0	169.0
52.5°	2129.5	1557.5	257.4	195.0	179.4	163.8	156.0	153.4	153.4	163.8	163.8
55°	2306.3	1697.9	265.2	195.0	174.2	156.0	148.2	143.0	145.6	153.4	153.4
57.5°	2501.4	1848.7	304.2	195.0	169.0	153.4	143.0	135.2	137.8	140.4	140.4
60°	2714.6	2046.3	371.8	195.0	166.4	148.2	135.2	124.8	124.8	127.4	127.4
62.5°	2930.4	2241.3	468.0	197.6	169.0	145.6	124.8	114.4	111.8	114.4	114.4
65°	3213.8	2553.4	564.2	197.6	176.8	140.4	117.0	104.0	101.4	101.4	104.0
67.5°	3611.6	2777.0	436.8	189.8	182.0	140.4	109.2	96.2	91.0	91.0	91.0
70°	3401.0	2342.7	278.2	176.8	174.2	145.6	104.0	88.4	83.2	80.6	80.6
72.5°	2912.2	1874.7	223.6	166.4	161.2	143.0	98.8	83.2	75.4	72.8	72.8
75°	2334.9	1479.5	195.0	150.8	140.4	119.6	91.0	75.4	70.2	65.0	65.0
77.5°	1144.1	618.8	148.2	132.6	119.6	91.0	80.6	70.2	62.4	57.2	57.2
80°	286.0	215.8	109.2	104.0	88.4	70.2	65.0	59.8	54.6	49.4	49.4
82.5°	153.4	127.4	78.0	70.2	59.8	49.4	49.4	46.8	44.2	39.0	36.4
85°	78.0	75.4	52.0	46.8	39.0	31.2	33.8	33.8	31.2	23.4	23.4
87.5°	41.6	41.6	26.0	20.8	18.2	15.6	15.6	15.6	13.0	10.4	10.4
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)