

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: P675550

Luminaire Tested: **CCW-SA-2B-735-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675550
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-735-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL3 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

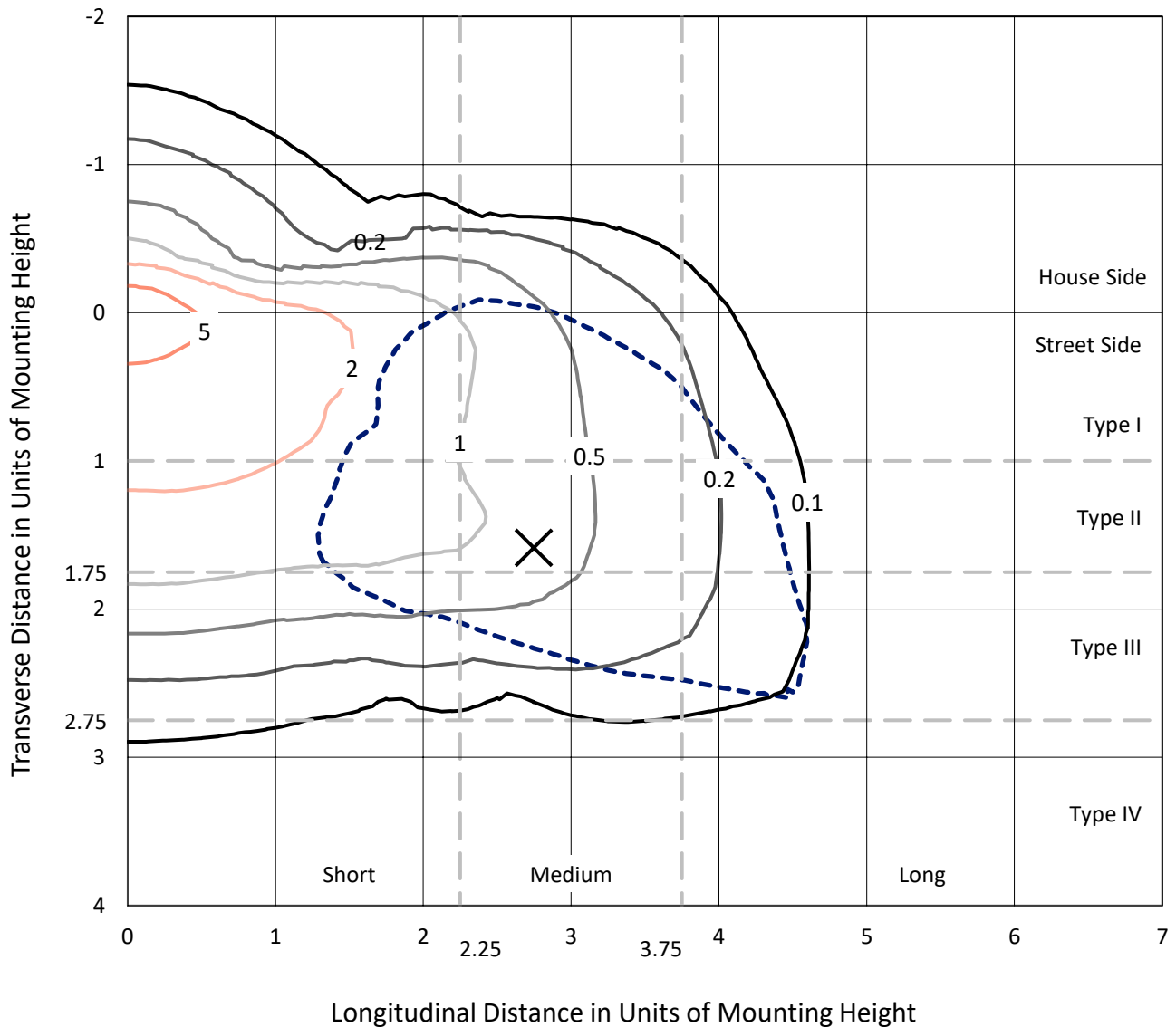
Lumens per Lamp: N/A
Luminaire Lumens: 6734.9 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
Input Current (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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Iso-Footcandle Lines of Horizontal Illumination

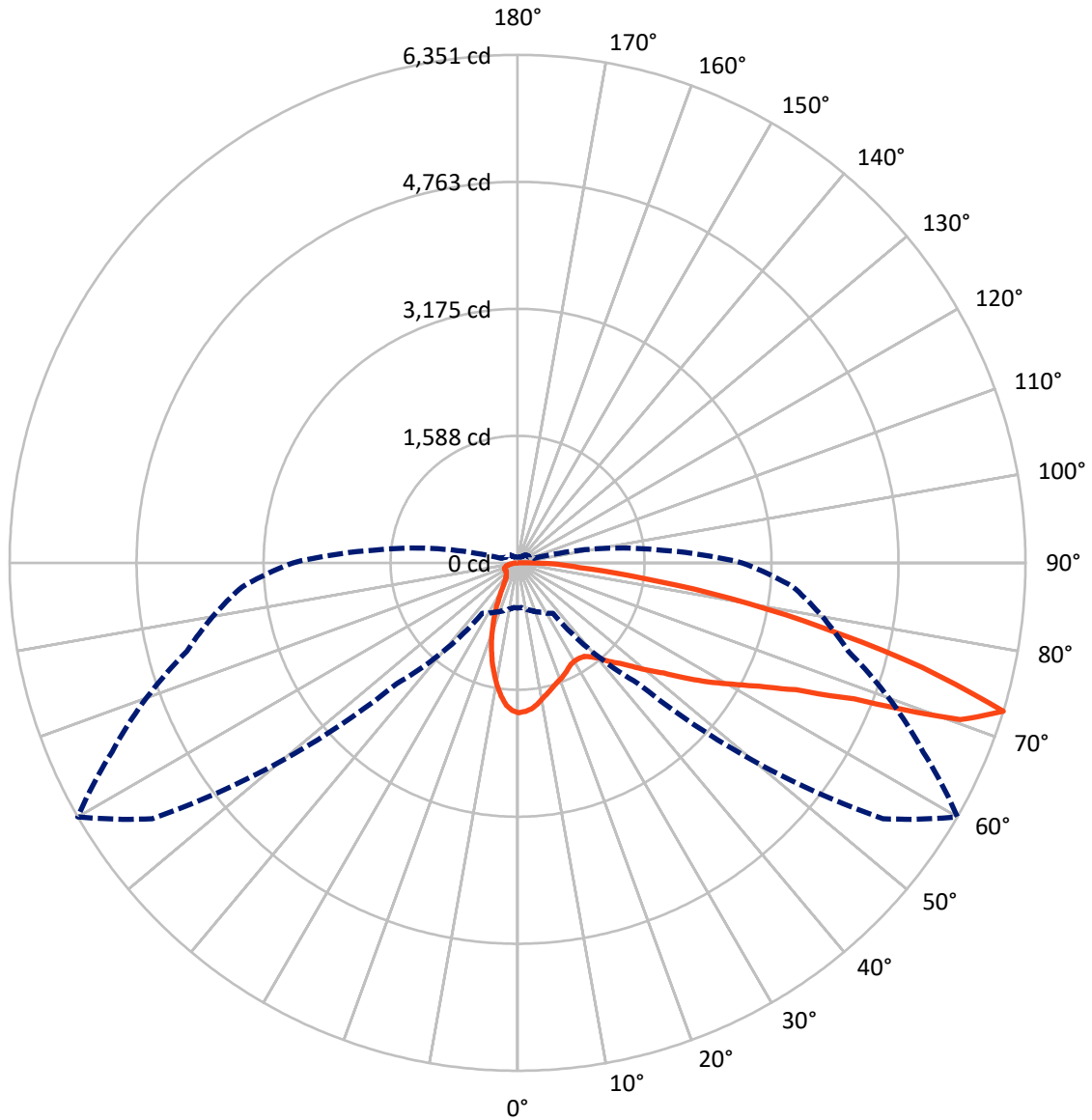
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 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
House Side	Lumens	1156.9	0.0	1156.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5577.9	0.0	5577.9
	% Fixture	82.8	0.0	82.8
Total	Lumens	6734.9	0.0	6734.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	2.4
10°-20°	368.6	5.5
20°-30°	471.7	7.0
30°-40°	603.5	9.0
40°-50°	827.7	12.3
50°-60°	1197.1	17.8
60°-70°	1642.3	24.4
70°-80°	1232.4	18.3
80°-90°	229.0	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°	6734.9	100.0
0°-180°	6734.9	100.0

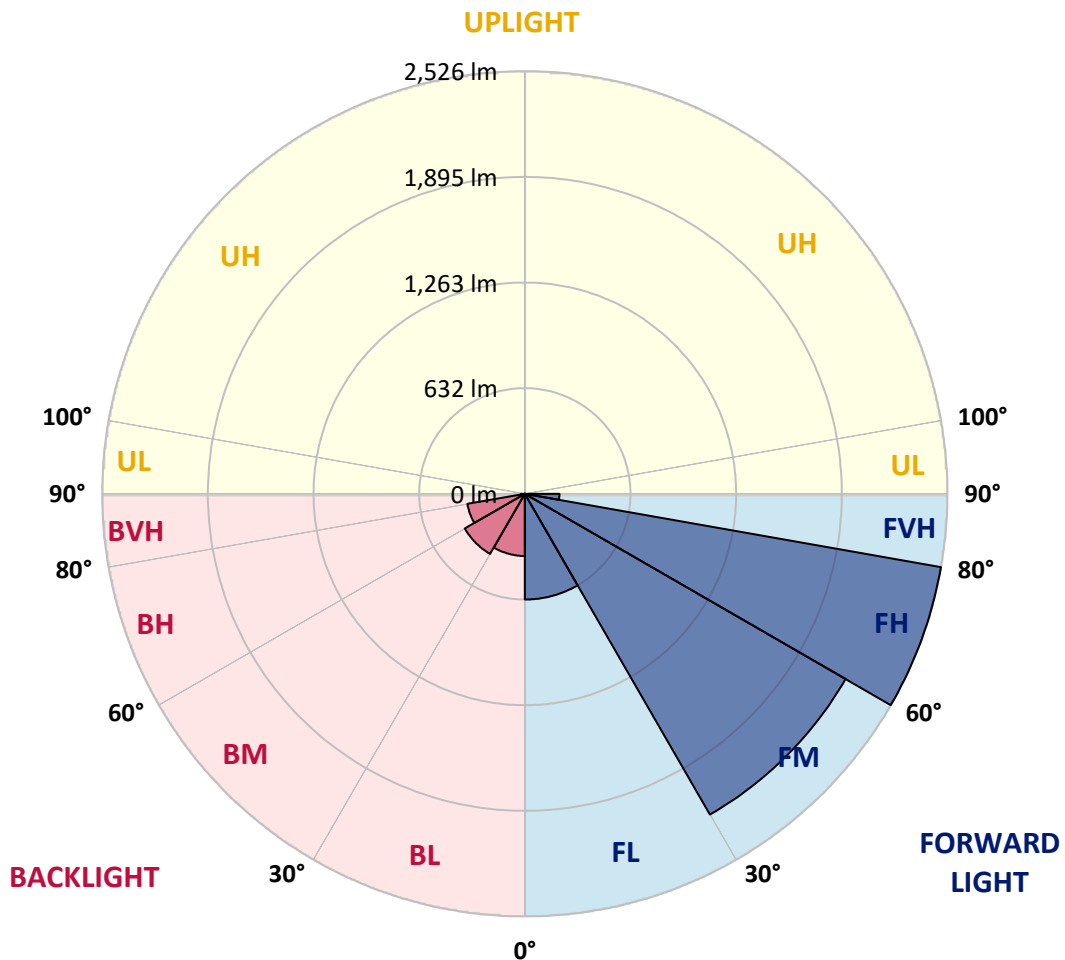


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	631.5	9.4			
FM (30°-60°)	2213.7	32.9			
FH (60°-80°)	2526.0	37.5			G2/5000
FVH (80°-90°)	206.7	3.1			G2/225
BL (0°-30°)	371.4	5.5	B1/500		
BM (30°-60°)	414.6	6.2	B1/1000		
BH (60°-80°)	348.6	5.2	B1/500		G1/500
BVH (80°-90°)	22.3	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°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1835.2	1852.8	1857.8	1857.8	1872.8	1855.3	1880.3	1860.3	1865.3	1872.8	1867.8
5°	1747.5	1777.6	1760.0	1792.6	1780.1	1802.6	1832.7	1832.7	1825.2	1840.2	1827.7
7.5°	1662.2	1652.2	1682.3	1682.3	1702.3	1732.4	1757.5	1782.6	1785.1	1790.1	1787.6
10°	1546.9	1559.4	1574.5	1594.5	1619.6	1649.7	1702.3	1722.4	1727.4	1757.5	1750.0
12.5°	1451.6	1469.2	1479.2	1519.3	1541.9	1584.5	1644.7	1672.3	1674.8	1717.4	1717.4
15°	1381.4	1391.5	1414.0	1429.1	1479.2	1539.4	1597.0	1622.1	1649.7	1694.8	1682.3
17.5°	1333.8	1346.3	1356.4	1376.4	1424.0	1474.2	1564.4	1579.5	1612.1	1677.3	1662.2
20°	1306.2	1308.7	1323.8	1336.3	1378.9	1426.6	1506.8	1546.9	1589.5	1647.2	1632.1
22.5°	1311.2	1301.2	1298.7	1316.2	1323.8	1368.9	1466.7	1509.3	1569.5	1637.2	1612.1
25°	1321.3	1323.8	1318.7	1303.7	1306.2	1346.3	1411.5	1466.7	1534.4	1634.6	1584.5
27.5°	1346.3	1358.9	1338.8	1323.8	1308.7	1323.8	1391.5	1431.6	1506.8	1647.2	1582.0
30°	1371.4	1383.9	1378.9	1356.4	1326.3	1321.3	1368.9	1419.0	1491.7	1657.2	1582.0
32.5°	1409.0	1426.6	1409.0	1416.5	1381.4	1358.9	1376.4	1421.5	1506.8	1692.3	1584.5
35°	1451.6	1466.7	1471.7	1454.1	1446.6	1404.0	1414.0	1436.6	1521.8	1732.4	1609.6
37.5°	1499.3	1516.8	1531.9	1534.4	1509.3	1484.2	1479.2	1491.7	1559.4	1802.6	1637.2
40°	1531.9	1541.9	1572.0	1597.0	1604.6	1569.5	1567.0	1567.0	1627.1	1865.3	1687.3
42.5°	1587.0	1582.0	1624.6	1669.7	1682.3	1662.2	1667.2	1687.3	1722.4	1955.6	1767.5
45°	1614.6	1609.6	1659.7	1734.9	1792.6	1782.6	1787.6	1795.1	1827.7	2098.5	1902.9
47.5°	1652.2	1657.2	1729.9	1815.2	1875.3	1910.4	1938.0	1935.5	1960.6	2243.9	2053.3
50°	1689.8	1699.8	1787.6	1877.8	1983.1	2043.3	2083.4	2111.0	2136.1	2396.8	2226.3
52.5°	1762.5	1772.5	1870.3	1968.1	2103.5	2191.2	2291.5	2289.0	2291.5	2549.8	2399.3
55°	1867.8	1870.3	1928.0	2040.8	2223.8	2384.3	2522.2	2537.2	2494.6	2740.3	2597.4
57.5°	1988.2	1998.2	2048.3	2133.6	2319.1	2569.8	2780.4	2810.5	2695.2	2895.7	2777.9
60°	2101.0	2108.5	2186.2	2284.0	2484.6	2803.0	3041.1	3076.2	2950.9	3086.3	2965.9
62.5°	1973.1	2010.7	2148.6	2371.7	2775.4	3156.5	3372.1	3394.7	3199.1	3279.3	3166.5
65°	1579.5	1604.6	1802.6	2163.7	2795.4	3798.3	3883.5	3823.4	3540.1	3527.5	3469.9
67.5°	880.0	900.1	1035.4	1414.0	2354.2	4039.0	4984.2	4542.9	4069.1	3901.1	3881.0
70°	694.5	699.5	717.0	794.8	1306.2	3560.1	5851.6	5871.7	4934.0	4415.1	3968.8
72.5°	564.1	561.6	614.2	681.9	772.2	2136.1	5578.4	6350.6	5595.9	4279.7	3457.3
75°	431.2	438.7	506.4	604.2	707.0	1005.4	4161.8	5224.9	5242.4	3988.8	2915.8
77.5°	328.4	330.9	406.2	534.0	692.0	709.5	2715.2	3893.6	3911.1	3088.8	1607.1
80°	245.7	245.7	308.4	451.3	674.4	654.4	1672.3	2700.2	2444.5	1085.6	351.0
82.5°	140.4	150.4	205.6	343.5	611.7	629.3	942.7	1546.9	1032.9	295.8	163.0
85°	75.2	77.7	125.4	230.7	503.9	601.7	719.5	769.7	411.2	157.9	75.2
87.5°	27.6	27.6	57.7	117.8	318.4	446.3	571.6	491.4	235.7	72.7	37.6
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°	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3	1875.3
2.5°	1872.8	1862.8	1855.3	1862.8	1835.2	1822.7	1837.7	1830.2	1815.2	1807.6	1802.6
5°	1835.2	1822.7	1810.1	1802.6	1772.5	1742.5	1727.4	1697.3	1672.3	1679.8	1664.7
7.5°	1795.1	1782.6	1745.0	1709.9	1649.7	1589.5	1561.9	1519.3	1504.3	1491.7	1484.2
10°	1745.0	1722.4	1664.7	1594.5	1506.8	1439.1	1368.9	1318.7	1266.1	1243.5	1251.1
12.5°	1682.3	1669.7	1579.5	1471.7	1348.8	1236.0	1153.3	1073.1	1002.9	965.2	955.2
15°	1654.7	1617.1	1486.7	1343.8	1188.4	1048.0	925.1	784.7	702.0	661.9	661.9
17.5°	1624.6	1554.4	1399.0	1203.4	1025.4	844.9	671.9	544.0	478.9	456.3	456.3
20°	1577.0	1499.3	1296.2	1070.5	854.9	636.8	481.4	411.2	391.1	376.1	378.6
22.5°	1541.9	1446.6	1200.9	940.2	676.9	473.8	378.6	356.0	348.5	343.5	346.0
25°	1501.8	1383.9	1100.6	799.8	531.5	373.6	328.4	318.4	323.4	325.9	325.9
27.5°	1469.2	1331.3	997.8	649.3	401.1	315.9	295.8	293.3	303.4	308.4	310.9
30°	1446.6	1283.7	897.6	511.5	320.9	280.8	270.8	270.8	283.3	288.3	290.8
32.5°	1424.0	1243.5	789.7	391.1	273.3	250.7	248.2	250.7	258.2	258.2	260.7
35°	1431.6	1205.9	687.0	315.9	245.7	230.7	230.7	230.7	233.2	235.7	235.7
37.5°	1446.6	1195.9	576.6	265.8	225.6	215.6	215.6	213.1	215.6	213.1	215.6
40°	1461.7	1180.9	476.4	235.7	213.1	205.6	203.1	198.1	195.6	195.6	198.1
42.5°	1524.3	1200.9	391.1	215.6	203.1	198.1	190.5	185.5	183.0	183.0	183.0
45°	1604.6	1238.5	323.4	205.6	195.6	183.0	178.0	175.5	170.5	173.0	175.5
47.5°	1724.9	1296.2	283.3	198.1	188.0	173.0	168.0	163.0	163.0	168.0	168.0
50°	1882.9	1391.5	258.2	190.5	180.5	165.5	157.9	155.4	155.4	163.0	163.0
52.5°	2053.3	1501.8	248.2	188.0	173.0	157.9	150.4	147.9	147.9	157.9	157.9
55°	2223.8	1637.2	255.7	188.0	168.0	150.4	142.9	137.9	140.4	147.9	147.9
57.5°	2411.9	1782.6	293.3	188.0	163.0	147.9	137.9	130.4	132.9	135.4	135.4
60°	2617.4	1973.1	358.5	188.0	160.5	142.9	130.4	120.3	120.3	122.8	122.8
62.5°	2825.5	2161.1	451.3	190.5	163.0	140.4	120.3	110.3	107.8	110.3	110.3
65°	3098.8	2462.0	544.0	190.5	170.5	135.4	112.8	100.3	97.8	97.8	100.3
67.5°	3482.4	2677.6	421.2	183.0	175.5	135.4	105.3	92.8	87.7	87.7	87.7
70°	3279.3	2258.9	268.3	170.5	168.0	140.4	100.3	85.2	80.2	77.7	77.7
72.5°	2808.0	1807.6	215.6	160.5	155.4	137.9	95.3	80.2	72.7	70.2	70.2
75°	2251.4	1426.6	188.0	145.4	135.4	115.3	87.7	72.7	67.7	62.7	62.7
77.5°	1103.1	596.7	142.9	127.9	115.3	87.7	77.7	67.7	60.2	55.2	55.2
80°	275.8	208.1	105.3	100.3	85.2	67.7	62.7	57.7	52.6	47.6	47.6
82.5°	147.9	122.8	75.2	67.7	57.7	47.6	47.6	45.1	42.6	37.6	35.1
85°	75.2	72.7	50.1	45.1	37.6	30.1	32.6	32.6	30.1	22.6	22.6
87.5°	40.1	40.1	25.1	20.1	17.5	15.0	15.0	15.0	12.5	10.0	10.0
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)