

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: P675539

Luminaire Tested: **CCW-SA-2B-730-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675539  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-730-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
SL3 distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

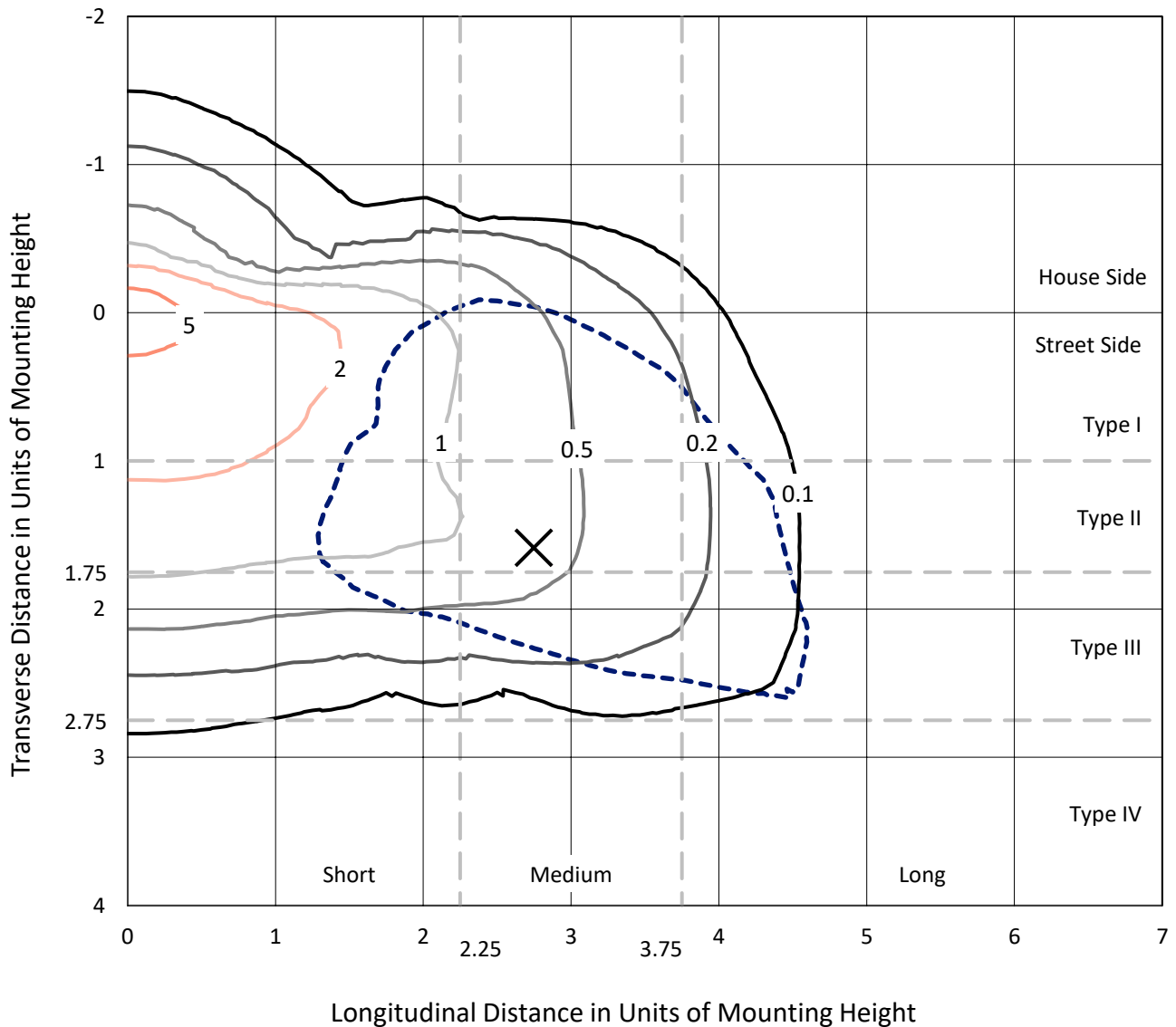
Lumens per Lamp: N/A  
Luminaire Lumens: 6218 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

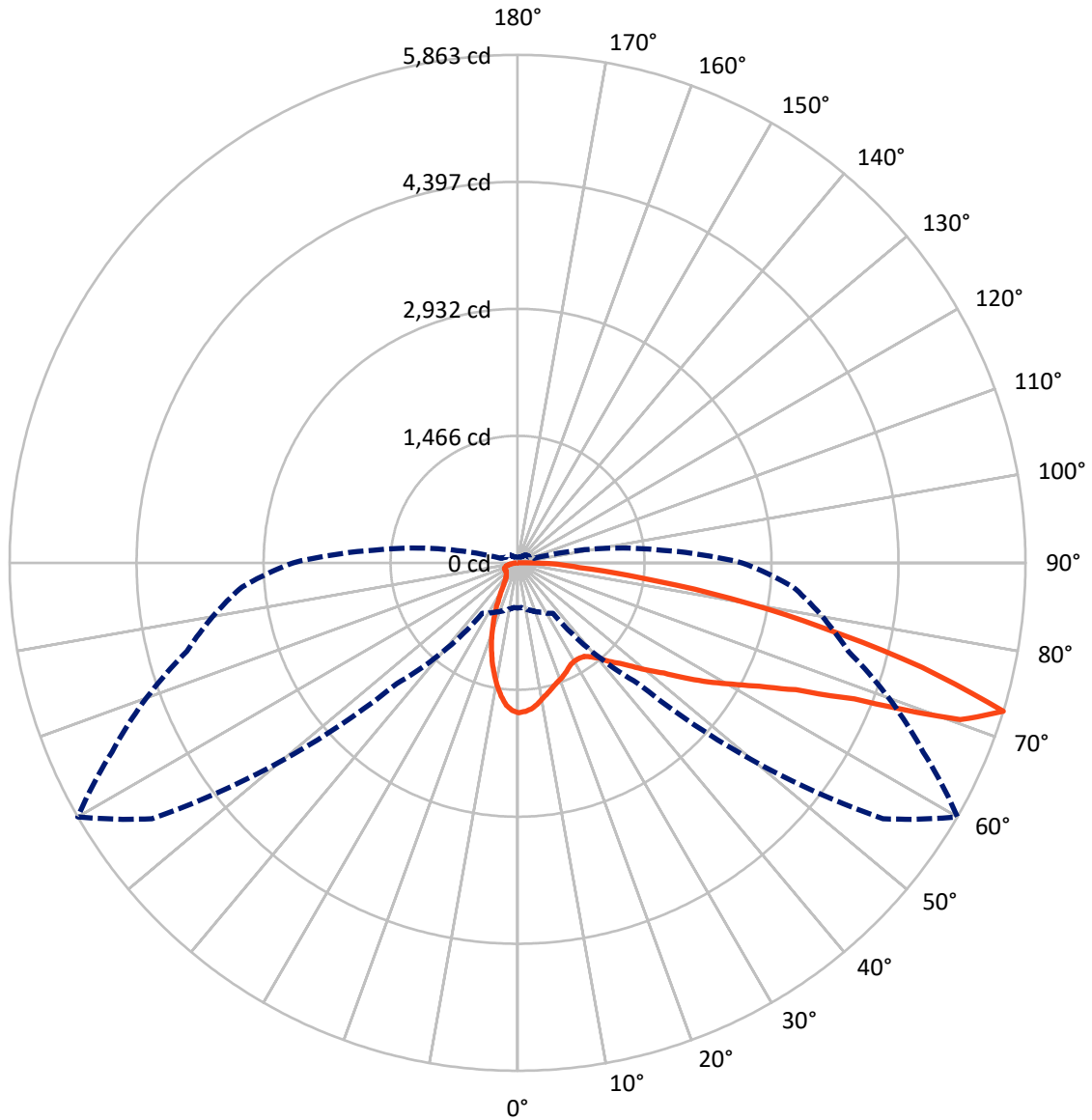
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 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	1068.1	0.0	1068.1
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	5149.8	0.0	5149.8
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	6218.0	0.0	6218.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.1	2.4
10°-20°	340.3	5.5
20°-30°	435.5	7.0
30°-40°	557.2	9.0
40°-50°	764.1	12.3
50°-60°	1105.3	17.8
60°-70°	1516.2	24.4
70°-80°	1137.8	18.3
80°-90°	211.5	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°	6218.0	100.0
0°-180°	6218.0	100.0

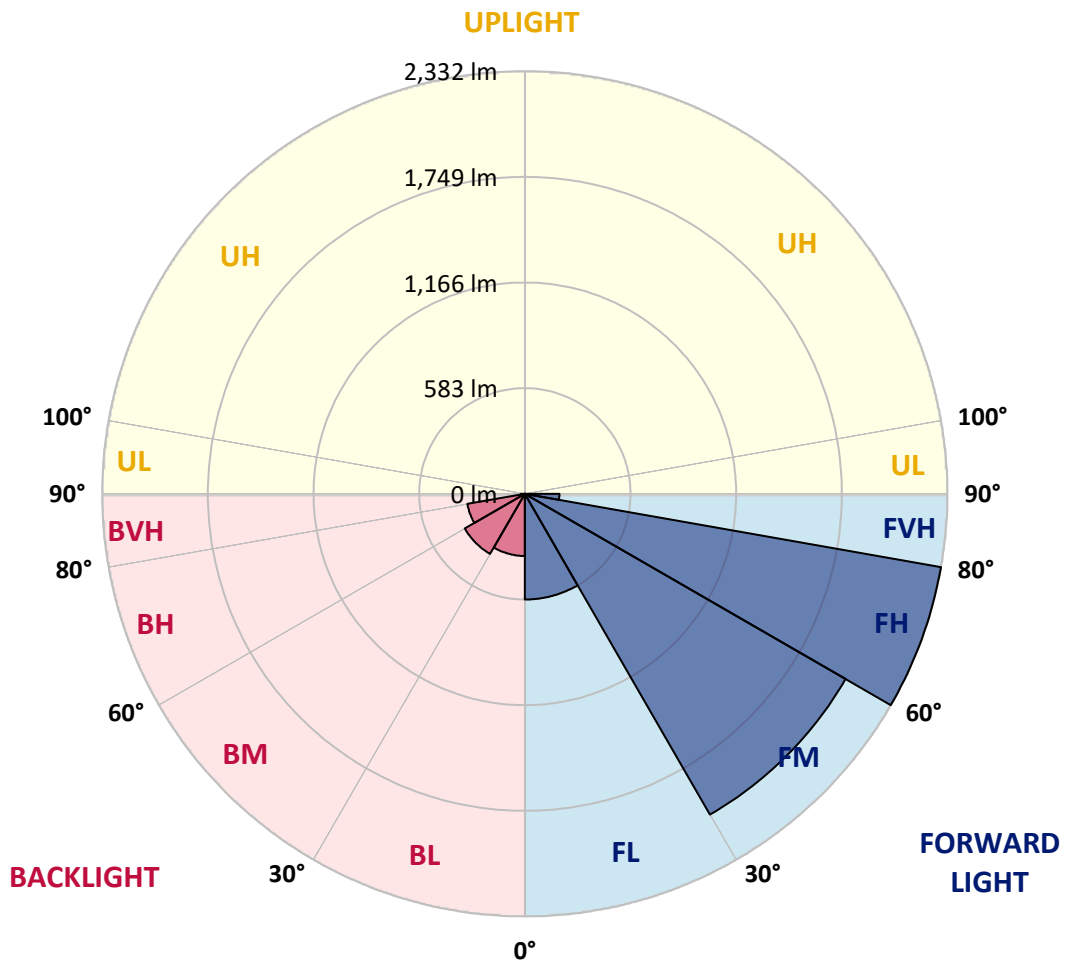


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.0	9.4			
FM (30°-60°)	2043.8	32.9			
FH (60°-80°)	2332.1	37.5			G2/5000
FVH (80°-90°)	190.9	3.1			G2/225
BL (0°-30°)	342.9	5.5	B1/500		
BM (30°-60°)	382.8	6.2	B1/1000		
BH (60°-80°)	321.9	5.2	B1/500		G1/500
BVH (80°-90°)	20.6	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°	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4
2.5°	1694.4	1710.6	1715.2	1715.2	1729.1	1712.9	1736.0	1717.5	1722.1	1729.1	1724.5
5°	1613.3	1641.1	1624.9	1655.0	1643.4	1664.3	1692.0	1692.0	1685.1	1699.0	1687.4
7.5°	1534.6	1525.4	1553.2	1553.2	1571.7	1599.5	1622.6	1645.8	1648.1	1652.7	1650.4
10°	1428.2	1439.7	1453.6	1472.2	1495.3	1523.1	1571.7	1590.2	1594.8	1622.6	1615.7
12.5°	1340.2	1356.4	1365.7	1402.7	1423.5	1462.9	1518.4	1543.9	1546.2	1585.6	1585.6
15°	1275.4	1284.7	1305.5	1319.4	1365.7	1421.2	1474.5	1497.6	1523.1	1564.7	1553.2
17.5°	1231.4	1243.0	1252.3	1270.8	1314.8	1361.0	1444.4	1458.3	1488.4	1548.5	1534.6
20°	1206.0	1208.3	1222.2	1233.7	1273.1	1317.1	1391.1	1428.2	1467.5	1520.8	1506.9
22.5°	1210.6	1201.3	1199.0	1215.2	1222.2	1263.8	1354.1	1393.5	1449.0	1511.5	1488.4
25°	1219.8	1222.2	1217.5	1203.6	1206.0	1243.0	1303.2	1354.1	1416.6	1509.2	1462.9
27.5°	1243.0	1254.6	1236.1	1222.2	1208.3	1222.2	1284.7	1321.7	1391.1	1520.8	1460.6
30°	1266.1	1277.7	1273.1	1252.3	1224.5	1219.8	1263.8	1310.1	1377.2	1530.0	1460.6
32.5°	1300.9	1317.1	1300.9	1307.8	1275.4	1254.6	1270.8	1312.4	1391.1	1562.4	1462.9
35°	1340.2	1354.1	1358.7	1342.5	1335.6	1296.2	1305.5	1326.3	1405.0	1599.5	1486.0
37.5°	1384.2	1400.4	1414.3	1416.6	1393.5	1370.3	1365.7	1377.2	1439.7	1664.3	1511.5
40°	1414.3	1423.5	1451.3	1474.5	1481.4	1449.0	1446.7	1446.7	1502.2	1722.1	1557.8
42.5°	1465.2	1460.6	1499.9	1541.6	1553.2	1534.6	1539.3	1557.8	1590.2	1805.5	1631.9
45°	1490.7	1486.0	1532.3	1601.8	1655.0	1645.8	1650.4	1657.3	1687.4	1937.4	1756.9
47.5°	1525.4	1530.0	1597.1	1675.8	1731.4	1763.8	1789.3	1787.0	1810.1	2071.7	1895.7
50°	1560.1	1569.4	1650.4	1733.7	1830.9	1886.5	1923.5	1949.0	1972.1	2212.9	2055.5
52.5°	1627.2	1636.5	1726.8	1817.0	1942.0	2023.1	2115.6	2113.3	2115.6	2354.1	2215.2
55°	1724.5	1726.8	1780.0	1884.2	2053.1	2201.3	2328.6	2342.5	2303.1	2530.0	2398.0
57.5°	1835.6	1844.8	1891.1	1969.8	2141.1	2372.6	2567.0	2594.8	2488.3	2673.5	2564.7
60°	1939.7	1946.7	2018.4	2108.7	2293.9	2587.8	2807.7	2840.1	2724.4	2849.4	2738.3
62.5°	1821.7	1856.4	1983.7	2189.7	2562.4	2914.2	3113.3	3134.1	2953.6	3027.6	2923.5
65°	1458.3	1481.4	1664.3	1997.6	2580.9	3506.8	3585.5	3529.9	3268.4	3256.8	3203.5
67.5°	812.5	831.0	956.0	1305.5	2173.5	3729.0	4601.6	4194.2	3756.8	3601.7	3583.2
70°	641.2	645.8	662.0	733.8	1206.0	3286.9	5402.5	5421.0	4555.3	4076.2	3664.2
72.5°	520.8	518.5	567.1	629.6	712.9	1972.1	5150.2	5863.1	5166.4	3951.2	3192.0
75°	398.1	405.1	467.6	557.8	652.7	928.2	3842.4	4823.8	4840.0	3682.7	2692.0
77.5°	303.2	305.5	375.0	493.0	638.9	655.1	2506.8	3594.7	3610.9	2851.7	1483.7
80°	226.8	226.8	284.7	416.6	622.7	604.1	1543.9	2492.9	2256.8	1002.3	324.1
82.5°	129.6	138.9	189.8	317.1	564.8	581.0	870.3	1428.2	953.7	273.1	150.5
85°	69.4	71.8	115.7	213.0	465.3	555.5	664.3	710.6	379.6	145.8	69.4
87.5°	25.5	25.5	53.2	108.8	294.0	412.0	527.8	453.7	217.6	67.1	34.7
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°	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4	1731.4
2.5°	1729.1	1719.8	1712.9	1719.8	1694.4	1682.8	1696.7	1689.7	1675.8	1668.9	1664.3
5°	1694.4	1682.8	1671.2	1664.3	1636.5	1608.7	1594.8	1567.1	1543.9	1550.9	1537.0
7.5°	1657.3	1645.8	1611.0	1578.6	1523.1	1467.5	1442.1	1402.7	1388.8	1377.2	1370.3
10°	1611.0	1590.2	1537.0	1472.2	1391.1	1328.6	1263.8	1217.5	1168.9	1148.1	1155.0
12.5°	1553.2	1541.6	1458.3	1358.7	1245.3	1141.1	1064.8	990.7	925.9	891.2	881.9
15°	1527.7	1493.0	1372.6	1240.7	1097.2	967.5	854.1	724.5	648.1	611.1	611.1
17.5°	1499.9	1435.1	1291.6	1111.1	946.7	780.1	620.3	502.3	442.1	421.3	421.3
20°	1455.9	1384.2	1196.7	988.4	789.3	587.9	444.4	379.6	361.1	347.2	349.5
22.5°	1423.5	1335.6	1108.7	868.0	625.0	437.5	349.5	328.7	321.7	317.1	319.4
25°	1386.5	1277.7	1016.2	738.4	490.7	344.9	303.2	294.0	298.6	300.9	300.9
27.5°	1356.4	1229.1	921.3	599.5	370.4	291.7	273.1	270.8	280.1	284.7	287.0
30°	1335.6	1185.1	828.7	472.2	296.3	259.2	250.0	250.0	261.6	266.2	268.5
32.5°	1314.8	1148.1	729.1	361.1	252.3	231.5	229.2	231.5	238.4	238.4	240.7
35°	1321.7	1113.4	634.2	291.7	226.8	213.0	213.0	213.0	215.3	217.6	217.6
37.5°	1335.6	1104.1	532.4	245.4	208.3	199.1	199.1	196.7	199.1	196.7	199.1
40°	1349.5	1090.2	439.8	217.6	196.7	189.8	187.5	182.9	180.5	180.5	182.9
42.5°	1407.3	1108.7	361.1	199.1	187.5	182.9	175.9	171.3	169.0	169.0	169.0
45°	1481.4	1143.5	298.6	189.8	180.5	169.0	164.3	162.0	157.4	159.7	162.0
47.5°	1592.5	1196.7	261.6	182.9	173.6	159.7	155.1	150.5	150.5	155.1	155.1
50°	1738.3	1284.7	238.4	175.9	166.7	152.8	145.8	143.5	143.5	150.5	150.5
52.5°	1895.7	1386.5	229.2	173.6	159.7	145.8	138.9	136.6	136.6	145.8	145.8
55°	2053.1	1511.5	236.1	173.6	155.1	138.9	131.9	127.3	129.6	136.6	136.6
57.5°	2226.7	1645.8	270.8	173.6	150.5	136.6	127.3	120.4	122.7	125.0	125.0
60°	2416.6	1821.7	331.0	173.6	148.1	131.9	120.4	111.1	111.1	113.4	113.4
62.5°	2608.7	1995.3	416.6	175.9	150.5	129.6	111.1	101.8	99.5	101.8	101.8
65°	2861.0	2273.0	502.3	175.9	157.4	125.0	104.2	92.6	90.3	90.3	92.6
67.5°	3215.1	2472.1	388.9	169.0	162.0	125.0	97.2	85.6	81.0	81.0	81.0
70°	3027.6	2085.5	247.7	157.4	155.1	129.6	92.6	78.7	74.1	71.8	71.8
72.5°	2592.5	1668.9	199.1	148.1	143.5	127.3	88.0	74.1	67.1	64.8	64.8
75°	2078.6	1317.1	173.6	134.3	125.0	106.5	81.0	67.1	62.5	57.9	57.9
77.5°	1018.5	550.9	131.9	118.0	106.5	81.0	71.8	62.5	55.6	50.9	50.9
80°	254.6	192.1	97.2	92.6	78.7	62.5	57.9	53.2	48.6	44.0	44.0
82.5°	136.6	113.4	69.4	62.5	53.2	44.0	44.0	41.7	39.3	34.7	32.4
85°	69.4	67.1	46.3	41.7	34.7	27.8	30.1	30.1	27.8	20.8	20.8
87.5°	37.0	37.0	23.1	18.5	16.2	13.9	13.9	13.9	11.6	9.3	9.3
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)