

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: P675557

Luminaire Tested: **CCW-SA-1D-740-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675557  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1D-740-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/  
SL3 distribution lens  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

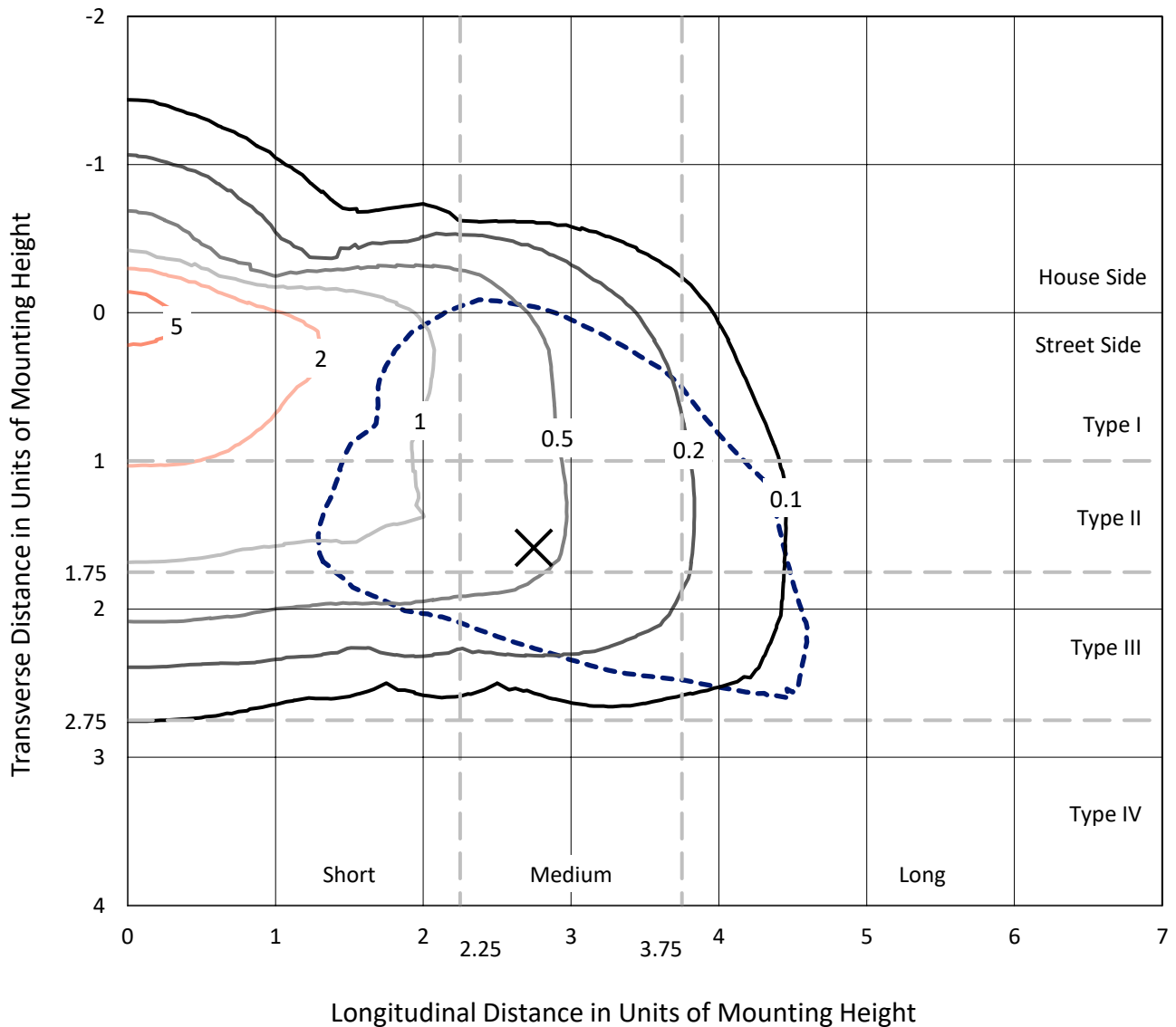
Lumens per Lamp: N/A  
Luminaire Lumens: 5514.1 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 44  
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

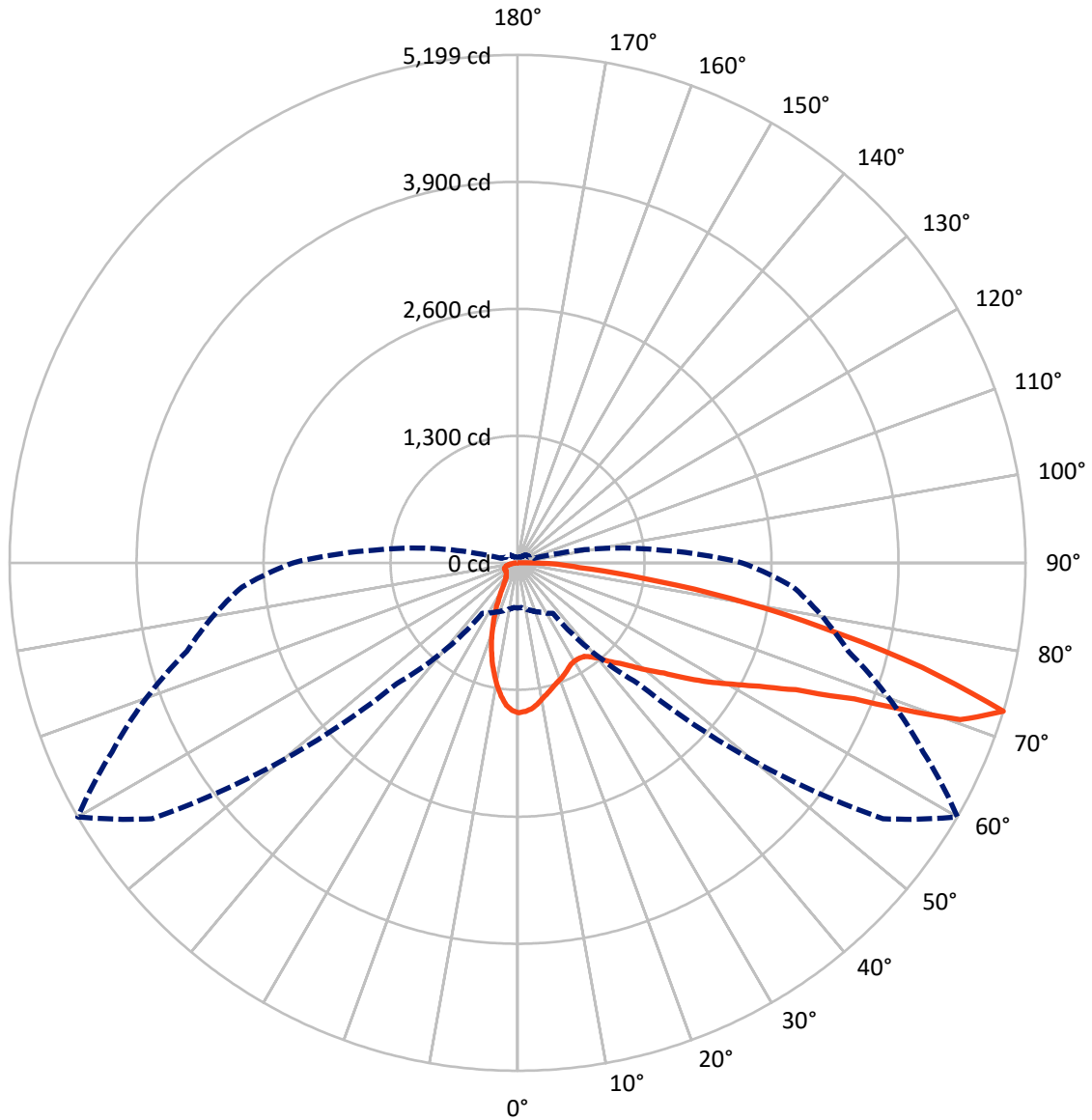
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 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	947.2	0.0	947.2
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	4566.9	0.0	4566.9
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	5514.1	0.0	5514.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.1	2.4
10°-20°	301.8	5.5
20°-30°	386.2	7.0
30°-40°	494.1	9.0
40°-50°	677.6	12.3
50°-60°	980.2	17.8
60°-70°	1344.6	24.4
70°-80°	1009.0	18.3
80°-90°	187.5	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°	5514.1	100.0
0°-180°	5514.1	100.0

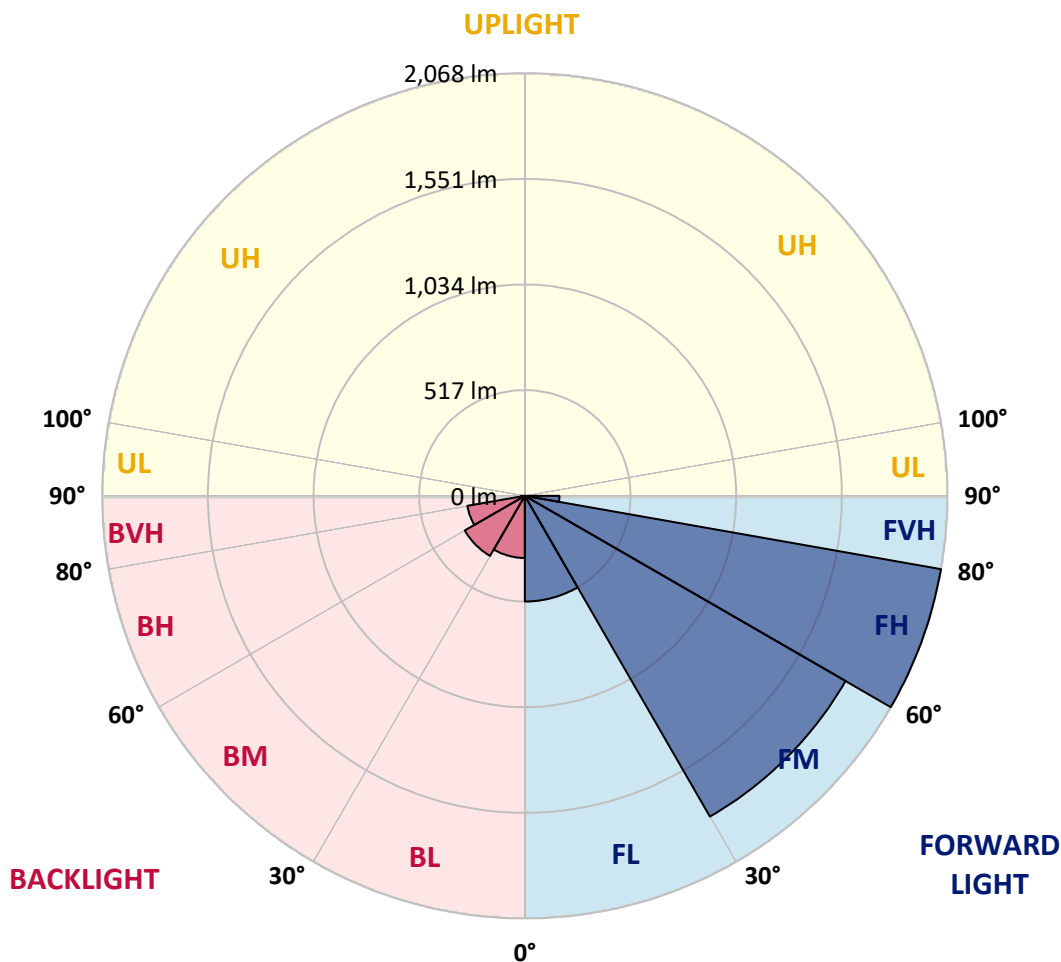


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.0	9.4			
FM (30°-60°)	1812.4	32.9			
FH (60°-80°)	2068.1	37.5			G2/5000
FVH (80°-90°)	169.3	3.1			G2/225
BL (0°-30°)	304.1	5.5	B1/500		
BM (30°-60°)	339.4	6.2	B1/1000		
BH (60°-80°)	285.4	5.2	B1/500		G1/500
BVH (80°-90°)	18.3	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°	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4
2.5°	1502.6	1516.9	1521.0	1521.0	1533.3	1519.0	1539.5	1523.1	1527.2	1533.3	1529.2
5°	1430.7	1455.3	1441.0	1467.7	1457.4	1475.9	1500.5	1500.5	1494.3	1506.7	1496.4
7.5°	1360.9	1352.7	1377.3	1377.3	1393.8	1418.4	1438.9	1459.5	1461.5	1465.6	1463.6
10°	1266.5	1276.8	1289.1	1305.5	1326.0	1350.7	1393.8	1410.2	1414.3	1438.9	1432.8
12.5°	1188.5	1202.9	1211.1	1243.9	1262.4	1297.3	1346.6	1369.1	1371.2	1406.1	1406.1
15°	1131.0	1139.2	1157.7	1170.0	1211.1	1260.3	1307.6	1328.1	1350.7	1387.6	1377.3
17.5°	1092.0	1102.3	1110.5	1126.9	1165.9	1207.0	1280.9	1293.2	1319.9	1373.2	1360.9
20°	1069.4	1071.5	1083.8	1094.1	1129.0	1168.0	1233.7	1266.5	1301.4	1348.6	1336.3
22.5°	1073.5	1065.3	1063.3	1077.7	1083.8	1120.8	1200.8	1235.7	1285.0	1340.4	1319.9
25°	1081.8	1083.8	1079.7	1067.4	1069.4	1102.3	1155.7	1200.8	1256.2	1338.3	1297.3
27.5°	1102.3	1112.6	1096.1	1083.8	1071.5	1083.8	1139.2	1172.1	1233.7	1348.6	1295.2
30°	1122.8	1133.1	1129.0	1110.5	1085.9	1081.8	1120.8	1161.8	1221.3	1356.8	1295.2
32.5°	1153.6	1168.0	1153.6	1159.8	1131.0	1112.6	1126.9	1163.9	1233.7	1385.6	1297.3
35°	1188.5	1200.8	1204.9	1190.6	1184.4	1149.5	1157.7	1176.2	1246.0	1418.4	1317.8
37.5°	1227.5	1241.9	1254.2	1256.2	1235.7	1215.2	1211.1	1221.3	1276.8	1475.9	1340.4
40°	1254.2	1262.4	1287.0	1307.6	1313.7	1285.0	1282.9	1282.9	1332.2	1527.2	1381.5
42.5°	1299.3	1295.2	1330.1	1367.1	1377.3	1360.9	1365.0	1381.5	1410.2	1601.1	1447.1
45°	1321.9	1317.8	1358.9	1420.5	1467.7	1459.5	1463.6	1469.7	1496.4	1718.1	1558.0
47.5°	1352.7	1356.8	1416.3	1486.1	1535.4	1564.1	1586.7	1584.7	1605.2	1837.1	1681.1
50°	1383.5	1391.7	1463.6	1537.5	1623.7	1672.9	1705.8	1728.4	1748.9	1962.4	1822.8
52.5°	1443.0	1451.2	1531.3	1611.4	1722.2	1794.0	1876.1	1874.1	1876.1	2087.6	1964.4
55°	1529.2	1531.3	1578.5	1670.9	1820.7	1952.1	2065.0	2077.3	2042.4	2243.6	2126.6
57.5°	1627.8	1636.0	1677.0	1746.8	1898.7	2104.0	2276.4	2301.1	2206.6	2370.8	2274.4
60°	1720.1	1726.3	1789.9	1870.0	2034.2	2294.9	2489.9	2518.6	2416.0	2526.8	2428.3
62.5°	1615.5	1646.2	1759.1	1941.8	2272.3	2584.3	2760.9	2779.3	2619.2	2684.9	2592.5
65°	1293.2	1313.7	1475.9	1771.5	2288.7	3109.8	3179.6	3130.3	2898.4	2888.1	2840.9
67.5°	720.5	736.9	847.8	1157.7	1927.5	3306.9	4080.7	3719.4	3331.5	3194.0	3177.5
70°	568.6	572.7	587.1	650.7	1069.4	2914.8	4790.9	4807.4	4039.7	3614.8	3249.4
72.5°	461.9	459.8	502.9	558.3	632.2	1748.9	4567.2	5199.4	4581.6	3503.9	2830.6
75°	353.1	359.2	414.6	494.7	578.9	823.1	3407.4	4277.8	4292.1	3265.8	2387.3
77.5°	268.9	271.0	332.5	437.2	566.5	580.9	2223.0	3187.8	3202.2	2528.9	1315.8
80°	201.2	201.2	252.5	369.5	552.2	535.7	1369.1	2210.7	2001.4	888.8	287.4
82.5°	114.9	123.2	168.3	281.2	500.9	515.2	771.8	1266.5	845.7	242.2	133.4
85°	61.6	63.6	102.6	188.8	412.6	492.6	589.1	630.2	336.6	129.3	61.6
87.5°	22.6	22.6	47.2	96.5	260.7	365.4	468.0	402.3	193.0	59.5	30.8
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°	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4	1535.4
2.5°	1533.3	1525.1	1519.0	1525.1	1502.6	1492.3	1504.6	1498.5	1486.1	1480.0	1475.9
5°	1502.6	1492.3	1482.0	1475.9	1451.2	1426.6	1414.3	1389.7	1369.1	1375.3	1363.0
7.5°	1469.7	1459.5	1428.7	1399.9	1350.7	1301.4	1278.8	1243.9	1231.6	1221.3	1215.2
10°	1428.7	1410.2	1363.0	1305.5	1233.7	1178.2	1120.8	1079.7	1036.6	1018.1	1024.3
12.5°	1377.3	1367.1	1293.2	1204.9	1104.3	1012.0	944.2	878.5	821.1	790.3	782.1
15°	1354.8	1324.0	1217.2	1100.2	973.0	858.0	757.4	642.5	574.7	541.9	541.9
17.5°	1330.1	1272.7	1145.4	985.3	839.5	691.8	550.1	445.4	392.1	373.6	373.6
20°	1291.1	1227.5	1061.2	876.5	700.0	521.4	394.1	336.6	320.2	307.9	310.0
22.5°	1262.4	1184.4	983.2	769.8	554.2	388.0	310.0	291.5	285.3	281.2	283.3
25°	1229.6	1133.1	901.1	654.8	435.2	305.8	268.9	260.7	264.8	266.8	266.8
27.5°	1202.9	1090.0	817.0	531.6	328.4	258.6	242.2	240.2	248.4	252.5	254.5
30°	1184.4	1051.0	734.9	418.7	262.7	229.9	221.7	221.7	232.0	236.1	238.1
32.5°	1165.9	1018.1	646.6	320.2	223.7	205.3	203.2	205.3	211.4	211.4	213.5
35°	1172.1	987.3	562.4	258.6	201.2	188.8	188.8	188.8	190.9	193.0	193.0
37.5°	1184.4	979.1	472.1	217.6	184.7	176.5	176.5	174.5	176.5	174.5	176.5
40°	1196.7	966.8	390.0	193.0	174.5	168.3	166.3	162.2	160.1	160.1	162.2
42.5°	1248.0	983.2	320.2	176.5	166.3	162.2	156.0	151.9	149.8	149.8	149.8
45°	1313.7	1014.0	264.8	168.3	160.1	149.8	145.7	143.7	139.6	141.6	143.7
47.5°	1412.2	1061.2	232.0	162.2	154.0	141.6	137.5	133.4	133.4	137.5	137.5
50°	1541.6	1139.2	211.4	156.0	147.8	135.5	129.3	127.3	127.3	133.4	133.4
52.5°	1681.1	1229.6	203.2	154.0	141.6	129.3	123.2	121.1	121.1	129.3	129.3
55°	1820.7	1340.4	209.4	154.0	137.5	123.2	117.0	112.9	114.9	121.1	121.1
57.5°	1974.7	1459.5	240.2	154.0	133.4	121.1	112.9	106.7	108.8	110.8	110.8
60°	2143.0	1615.5	293.5	154.0	131.4	117.0	106.7	98.5	98.5	100.6	100.6
62.5°	2313.4	1769.4	369.5	156.0	133.4	114.9	98.5	90.3	88.3	90.3	90.3
65°	2537.1	2015.7	445.4	156.0	139.6	110.8	92.4	82.1	80.1	80.1	82.1
67.5°	2851.2	2192.3	344.8	149.8	143.7	110.8	86.2	75.9	71.8	71.8	71.8
70°	2684.9	1849.5	219.6	139.6	137.5	114.9	82.1	69.8	65.7	63.6	63.6
72.5°	2299.0	1480.0	176.5	131.4	127.3	112.9	78.0	65.7	59.5	57.5	57.5
75°	1843.3	1168.0	154.0	119.1	110.8	94.4	71.8	59.5	55.4	51.3	51.3
77.5°	903.2	488.5	117.0	104.7	94.4	71.8	63.6	55.4	49.3	45.2	45.2
80°	225.8	170.4	86.2	82.1	69.8	55.4	51.3	47.2	43.1	39.0	39.0
82.5°	121.1	100.6	61.6	55.4	47.2	39.0	39.0	36.9	34.9	30.8	28.7
85°	61.6	59.5	41.1	36.9	30.8	24.6	26.7	26.7	24.6	18.5	18.5
87.5°	32.8	32.8	20.5	16.4	14.4	12.3	12.3	12.3	10.3	8.2	8.2
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)