

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: P675403

Luminaire Tested: **CCW-SA-1E-735-U-SL2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675403  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-735-U-SL2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SL2 distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

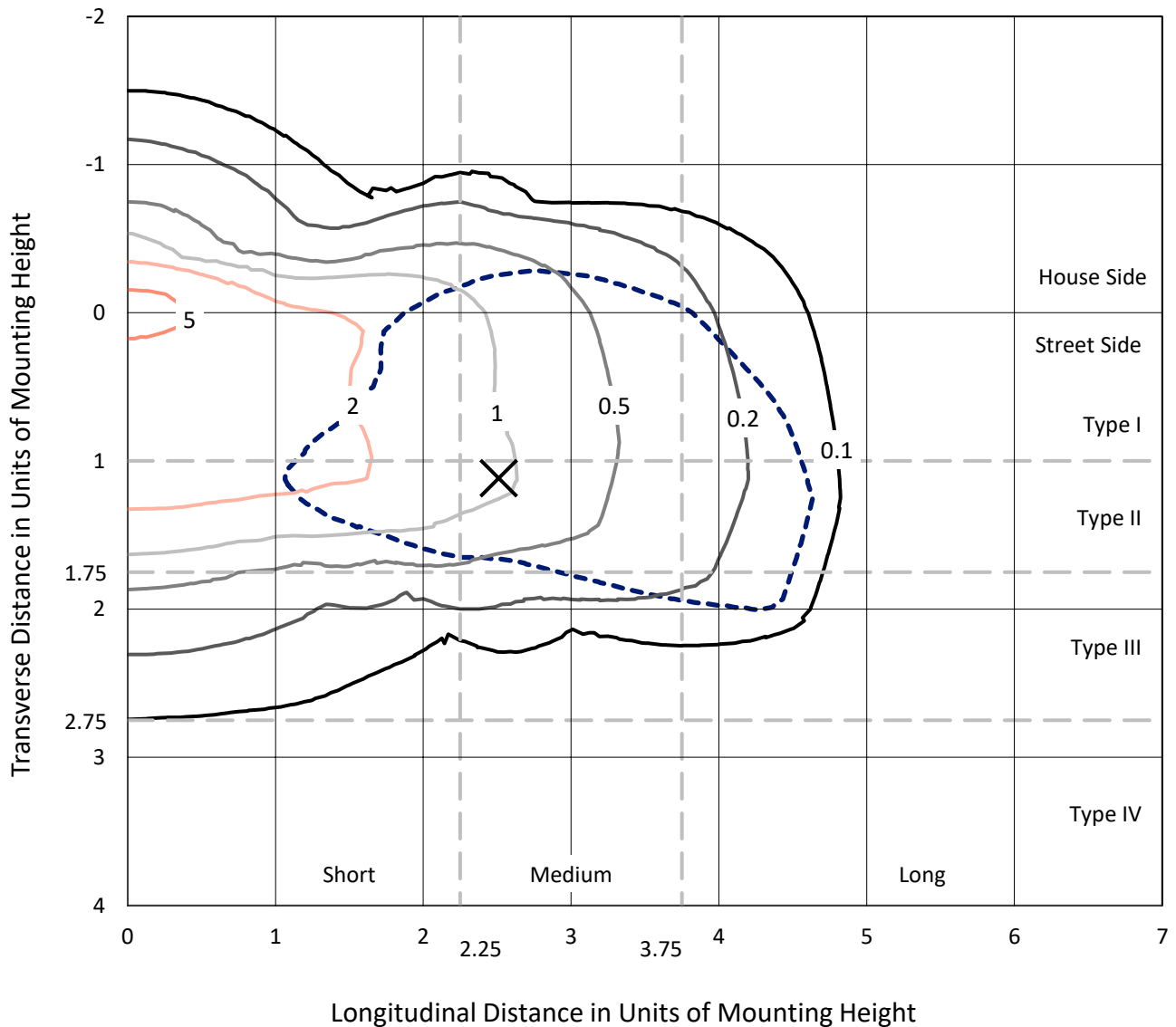
Lumens per Lamp: N/A  
Luminaire Lumens: 6673.8 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

REPORT NUMBER: P675403  
 CATALOG NUMBER: CCW-SA-1E-735-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

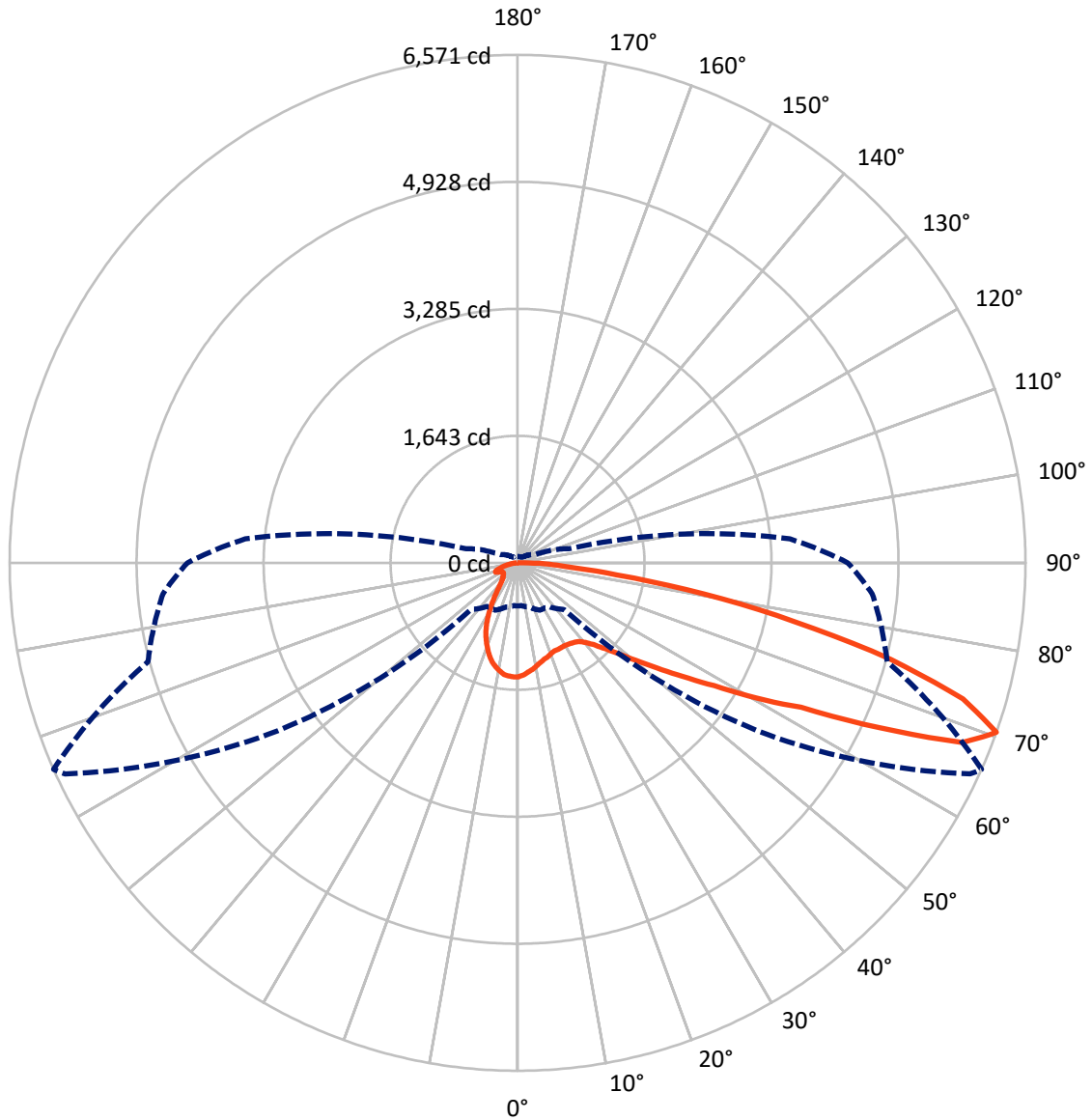
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P675403  
CATALOG NUMBER: CCW-SA-1E-735-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P675403  
 CATALOG NUMBER: CCW-SA-1E-735-U-SL2

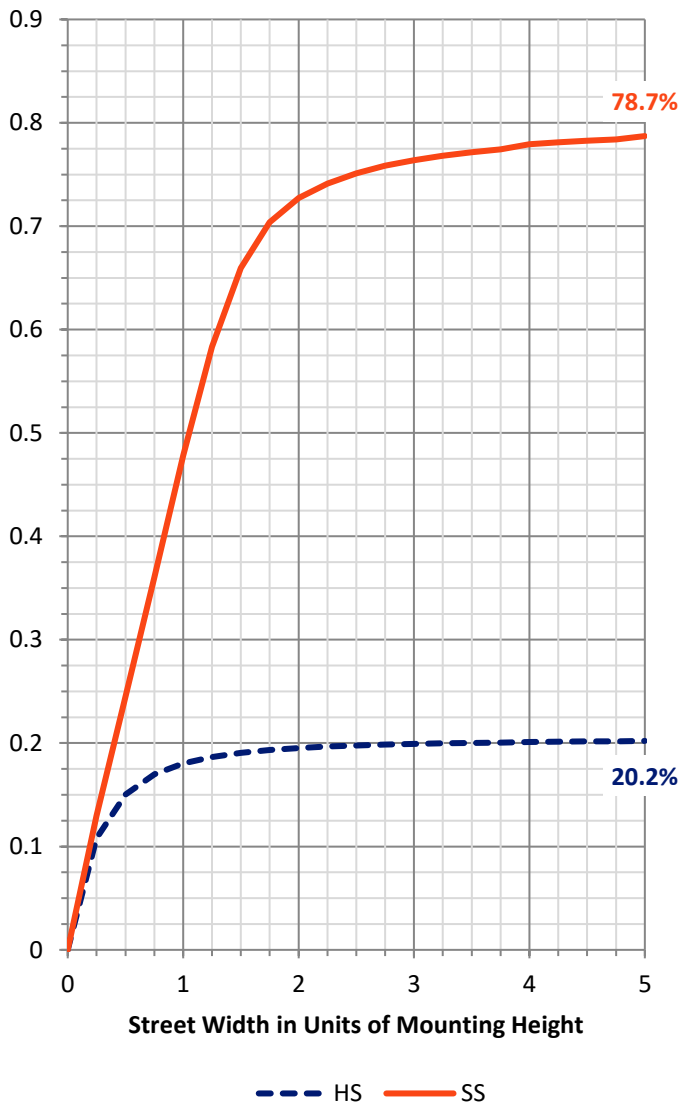
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1366.1	0.0	1366.1
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	5307.8	0.0	5307.8
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	6673.8	0.0	6673.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.4	2.0
10°-20°	320.9	4.8
20°-30°	440.8	6.6
30°-40°	591.0	8.9
40°-50°	857.5	12.8
50°-60°	1303.3	19.5
60°-70°	1609.7	24.1
70°-80°	1197.0	17.9
80°-90°	223.3	3.3
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°	6673.8	100.0
0°-180°	6673.8	100.0

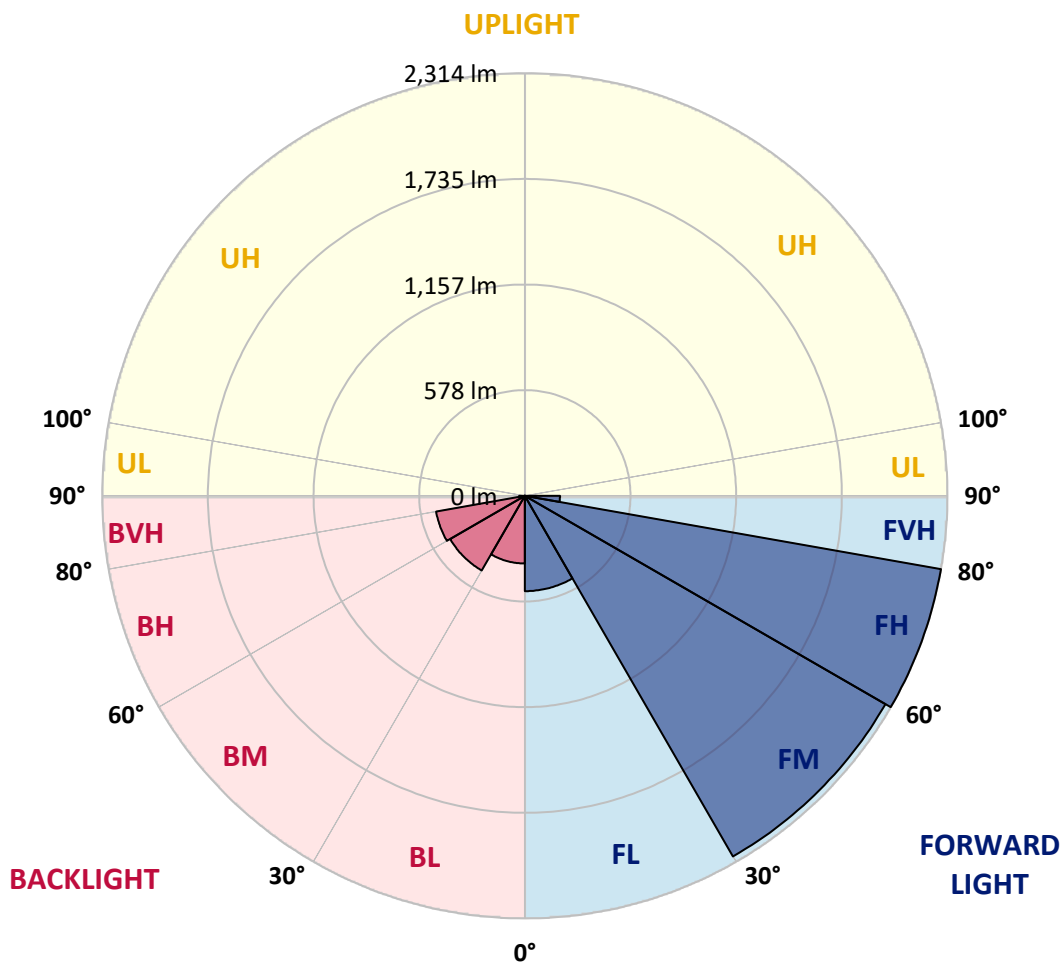


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 CATALOG NUMBER: CCW-SA-1E-735-U-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	521.8	7.8			
FM (30°-60°)	2279.9	34.2			
FH (60°-80°)	2313.6	34.7			G2/5000
FVH (80°-90°)	192.5	2.9			G2/225
BL (0°-30°)	370.2	5.5	B1/500		
BM (30°-60°)	471.9	7.1	B1/1000		
BH (60°-80°)	493.1	7.4	B1/500		G1/500
BVH (80°-90°)	30.8	0.5			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





REPORT NUMBER: P675403

CATALOG NUMBER: CCW-SA-1E-735-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5
2.5°	1402.5	1409.9	1412.4	1417.4	1429.8	1439.7	1454.6	1462.0	1454.6	1464.5	1464.5
5°	1305.7	1295.7	1320.6	1330.5	1345.4	1365.2	1400.0	1427.3	1419.8	1449.6	1474.5
7.5°	1223.7	1223.7	1231.2	1253.5	1270.9	1300.7	1337.9	1380.1	1392.5	1432.3	1469.5
10°	1149.3	1159.2	1159.2	1194.0	1203.9	1238.6	1300.7	1352.8	1355.3	1422.3	1474.5
12.5°	1109.6	1104.6	1129.4	1139.4	1169.1	1203.9	1253.5	1318.1	1320.6	1392.5	1464.5
15°	1077.3	1082.3	1094.7	1119.5	1146.8	1174.1	1221.3	1280.8	1293.3	1377.6	1459.6
17.5°	1079.8	1082.3	1082.3	1099.6	1122.0	1154.2	1198.9	1268.4	1275.9	1357.8	1452.1
20°	1094.7	1084.7	1092.2	1099.6	1114.5	1144.3	1181.6	1241.1	1248.6	1355.3	1469.5
22.5°	1126.9	1119.5	1117.0	1114.5	1112.0	1129.4	1176.6	1226.2	1233.7	1342.9	1476.9
25°	1179.1	1176.6	1159.2	1141.8	1129.4	1129.4	1166.7	1238.6	1236.2	1342.9	1481.9
27.5°	1241.1	1241.1	1238.6	1206.4	1169.1	1149.3	1174.1	1233.7	1231.2	1342.9	1494.3
30°	1325.5	1325.5	1318.1	1288.3	1221.3	1164.2	1179.1	1228.7	1236.2	1333.0	1484.4
32.5°	1417.4	1414.9	1422.3	1395.0	1325.5	1233.7	1208.9	1238.6	1246.1	1342.9	1486.9
35°	1484.4	1499.3	1524.1	1499.3	1429.8	1305.7	1251.1	1258.5	1263.5	1345.4	1496.8
37.5°	1561.3	1578.7	1613.5	1633.3	1558.9	1414.9	1318.1	1290.8	1290.8	1377.6	1499.3
40°	1673.0	1655.7	1715.2	1750.0	1720.2	1548.9	1422.3	1350.3	1352.8	1419.8	1531.5
42.5°	1755.0	1772.3	1834.4	1896.4	1859.2	1712.8	1536.5	1447.2	1447.2	1481.9	1581.2
45°	1846.8	1866.7	1953.5	2028.0	2055.3	1908.9	1692.9	1586.2	1581.2	1603.5	1670.6
47.5°	1948.6	1975.9	2075.2	2162.0	2234.0	2112.4	1894.0	1755.0	1752.5	1769.8	1819.5
50°	2065.2	2075.2	2157.1	2315.9	2459.9	2383.0	2139.7	1993.2	1980.8	1988.3	2055.3
52.5°	2100.0	2092.5	2186.9	2358.1	2621.3	2713.1	2474.8	2263.8	2258.8	2241.5	2328.4
55°	1973.4	1998.2	2090.1	2308.5	2752.8	3102.8	2842.2	2633.7	2589.0	2541.8	2646.1
57.5°	1720.2	1722.7	1826.9	2085.1	2651.0	3425.5	3465.2	2996.1	2998.6	2872.0	2991.1
60°	1337.9	1330.5	1412.4	1645.7	2360.6	3524.8	4145.4	3574.4	3549.6	3202.1	3311.3
62.5°	965.6	950.7	968.1	1104.6	1764.9	3373.4	4813.1	4222.3	4118.1	3539.7	3624.1
65°	794.3	801.8	809.2	816.7	990.4	2782.6	5019.1	5279.7	5140.7	3934.4	3969.1
67.5°	657.8	662.8	695.0	739.7	734.7	1643.2	4780.8	6257.8	6205.6	4423.4	4267.0
70°	558.5	556.0	593.3	675.2	687.6	853.9	3785.4	6458.8	6570.5	4949.6	4604.6
72.5°	446.8	451.8	484.0	593.3	675.2	719.9	2179.4	6026.9	6024.4	5354.2	4423.4
75°	320.2	320.2	364.9	491.5	652.8	712.4	1206.4	4892.5	4984.4	5031.5	3837.6
77.5°	211.0	220.9	255.7	367.4	613.1	697.5	764.5	3557.1	3671.2	3763.1	2936.5
80°	144.0	148.9	171.3	255.7	518.8	702.5	625.5	2392.9	2437.6	2077.6	1191.5
82.5°	86.9	89.4	114.2	178.7	372.3	667.7	588.3	1320.6	1293.3	628.0	342.6
85°	47.2	49.6	72.0	119.1	245.7	583.3	578.4	647.9	603.2	230.8	144.0
87.5°	17.4	17.4	32.3	59.6	141.5	399.6	503.9	384.7	359.9	116.7	67.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675403

CATALOG NUMBER: CCW-SA-1E-735-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5	1474.5
2.5°	1476.9	1476.9	1476.9	1476.9	1474.5	1464.5	1472.0	1469.5	1454.6	1457.1	1447.2
5°	1472.0	1484.4	1476.9	1467.0	1454.6	1424.8	1414.9	1407.4	1387.6	1380.1	1387.6
7.5°	1484.4	1474.5	1469.5	1452.1	1402.5	1375.2	1340.4	1298.2	1268.4	1261.0	1268.4
10°	1481.9	1481.9	1459.6	1409.9	1362.8	1283.3	1238.6	1164.2	1122.0	1109.6	1112.0
12.5°	1472.0	1479.4	1444.7	1365.2	1275.9	1179.1	1097.2	1017.7	943.3	913.5	908.5
15°	1481.9	1474.5	1412.4	1310.6	1186.5	1052.5	933.3	816.7	747.2	702.5	692.5
17.5°	1467.0	1459.6	1370.2	1236.2	1069.8	898.6	749.6	623.0	553.5	536.2	536.2
20°	1484.4	1437.2	1320.6	1146.8	948.2	729.8	561.0	466.7	449.3	449.3	454.3
22.5°	1481.9	1432.3	1278.4	1059.9	801.8	551.1	417.0	389.7	392.2	412.1	409.6
25°	1467.0	1422.3	1218.8	963.1	647.9	414.5	345.0	337.6	355.0	377.3	374.8
27.5°	1464.5	1395.0	1164.2	848.9	494.0	327.7	300.4	300.4	317.7	337.6	335.1
30°	1449.6	1372.7	1097.2	719.9	372.3	285.5	275.5	275.5	283.0	292.9	292.9
32.5°	1447.2	1342.9	1022.7	585.8	297.9	258.2	253.2	255.7	255.7	260.6	258.2
35°	1427.3	1303.2	945.7	454.3	258.2	243.3	238.3	235.8	235.8	233.3	233.3
37.5°	1419.8	1278.4	866.3	352.5	240.8	230.8	225.9	218.4	216.0	216.0	213.5
40°	1427.3	1253.5	789.4	285.5	225.9	220.9	213.5	203.5	201.1	201.1	201.1
42.5°	1454.6	1251.1	709.9	248.2	218.4	211.0	201.1	191.1	188.7	191.1	188.7
45°	1516.7	1270.9	633.0	230.8	208.5	201.1	188.7	181.2	178.7	181.2	181.2
47.5°	1618.4	1325.5	563.5	220.9	201.1	191.1	178.7	171.3	171.3	171.3	171.3
50°	1787.2	1429.8	496.5	213.5	196.1	183.7	171.3	161.3	158.9	158.9	161.3
52.5°	2040.4	1608.5	441.8	208.5	188.7	173.8	161.3	153.9	148.9	146.5	148.9
55°	2345.7	1869.1	424.5	203.5	178.7	166.3	153.9	144.0	139.0	139.0	136.5
57.5°	2673.4	2157.1	454.3	198.6	171.3	156.4	144.0	134.0	129.1	126.6	126.6
60°	3028.3	2497.1	563.5	196.1	163.8	146.5	134.0	126.6	119.1	116.7	116.7
62.5°	3351.0	2804.9	759.6	193.6	158.9	136.5	124.1	114.2	109.2	106.7	106.7
65°	3718.4	3147.5	950.7	203.5	156.4	129.1	114.2	104.3	99.3	96.8	96.8
67.5°	4038.6	3445.4	1062.4	228.4	163.8	119.1	101.8	94.3	91.8	89.4	89.4
70°	4272.0	3537.2	712.4	250.7	176.2	111.7	91.8	86.9	81.9	81.9	81.9
72.5°	3959.2	3157.4	422.0	235.8	166.3	104.3	81.9	76.9	74.5	74.5	72.0
75°	3385.8	2688.3	325.2	191.1	134.0	89.4	72.0	67.0	64.5	64.5	62.1
77.5°	2499.6	1926.2	240.8	151.4	104.3	72.0	62.1	59.6	57.1	54.6	54.6
80°	978.0	844.0	163.8	111.7	76.9	57.1	52.1	49.6	47.2	44.7	44.7
82.5°	302.8	255.7	94.3	74.5	54.6	44.7	42.2	39.7	37.2	34.8	34.8
85°	131.6	126.6	62.1	47.2	37.2	29.8	29.8	27.3	24.8	22.3	22.3
87.5°	64.5	62.1	34.8	22.3	19.9	14.9	14.9	12.4	9.9	9.9	9.9
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)