

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: P677022

Luminaire Tested: **CCW-SA-2A-760-U-SL3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677022  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2A-760-U-SL3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/  
SL3 distribution lens and House Side Shield  
Light Source: (32) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

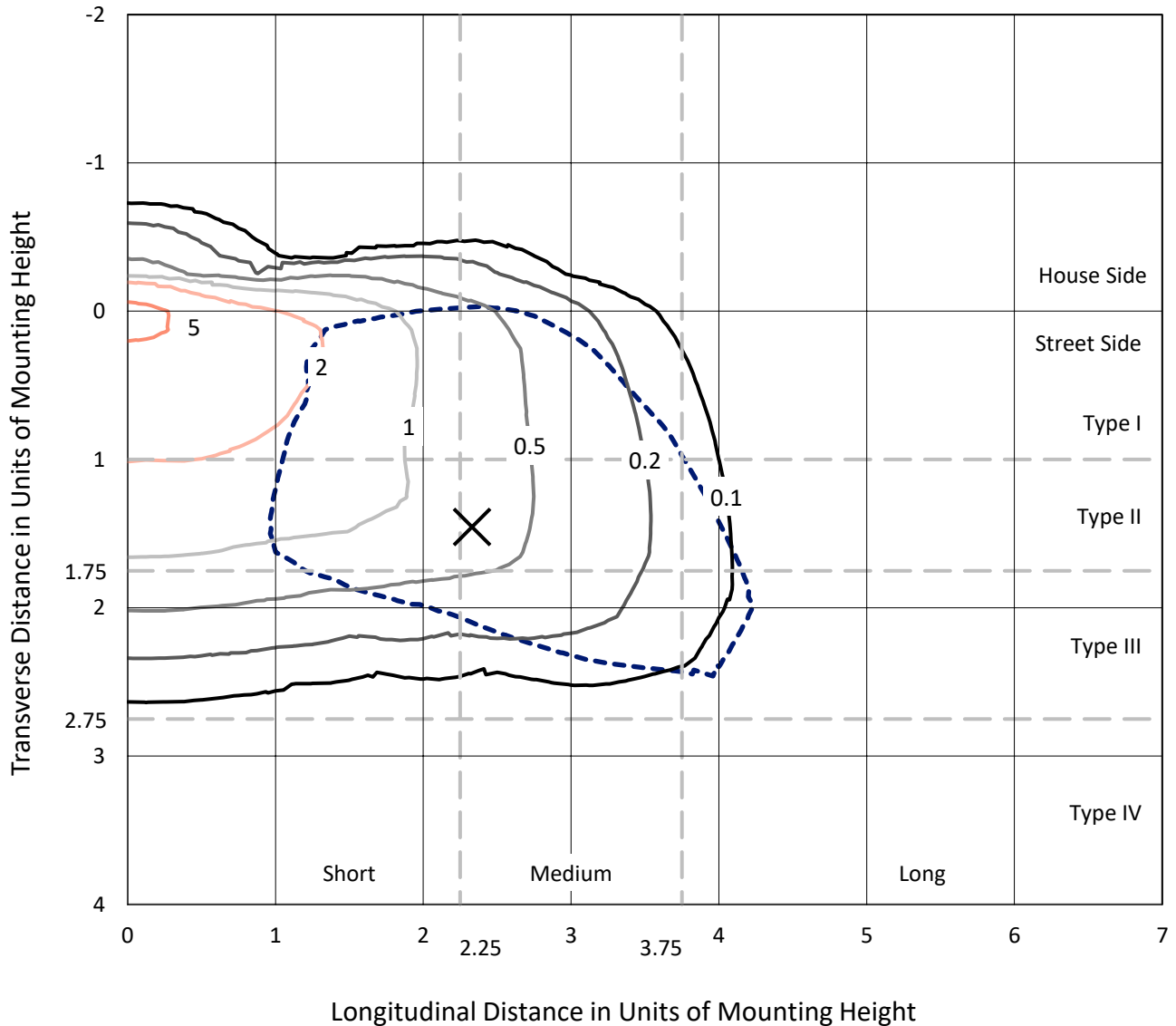
Lumens per Lamp: N/A  
Luminaire Lumens: 4625 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P677022  
 CATALOG NUMBER: CCW-SA-2A-760-U-SL3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

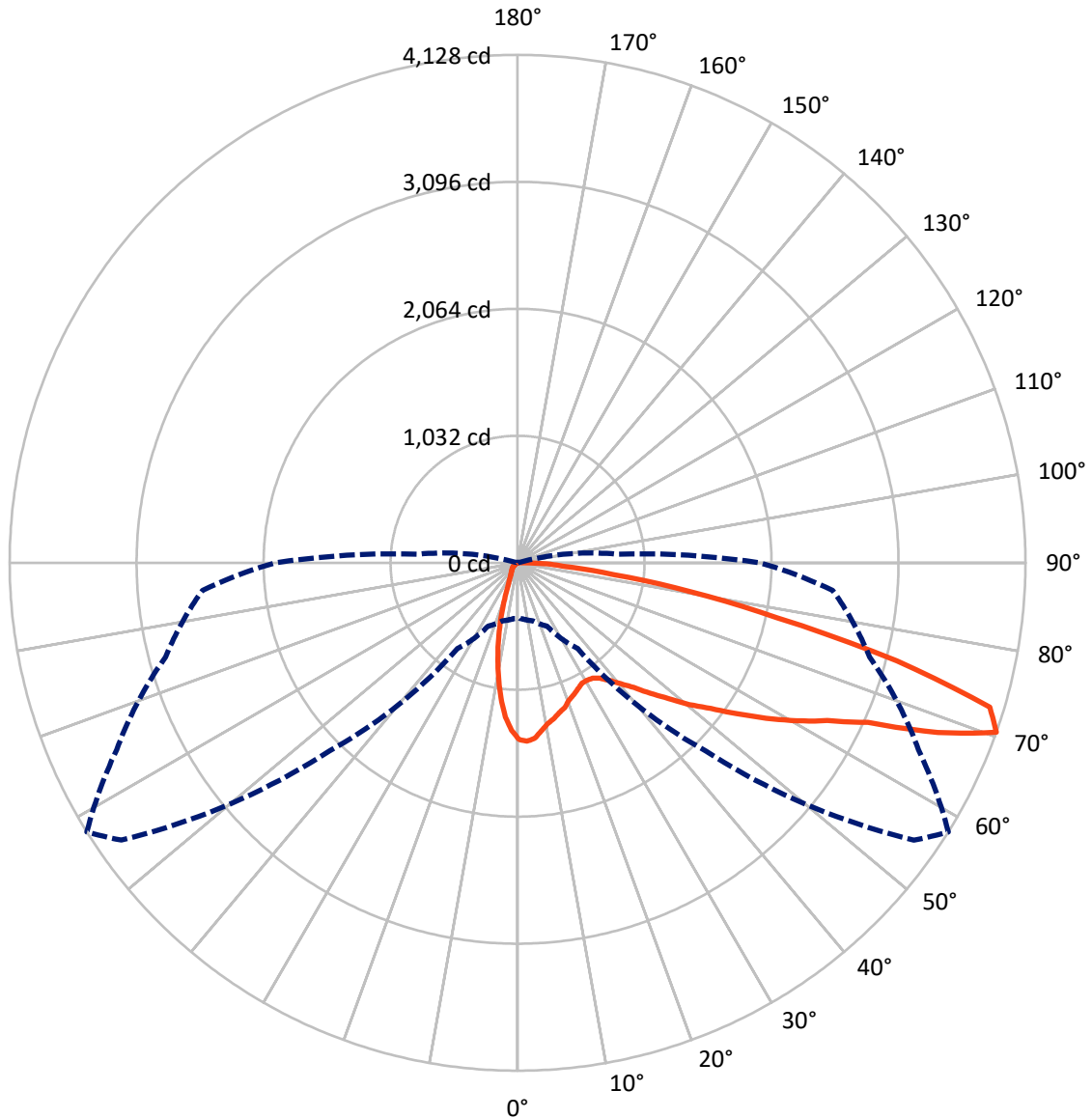
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P677022  
CATALOG NUMBER: CCW-SA-2A-760-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P677022  
 CATALOG NUMBER: CCW-SA-2A-760-U-SL3-HSS

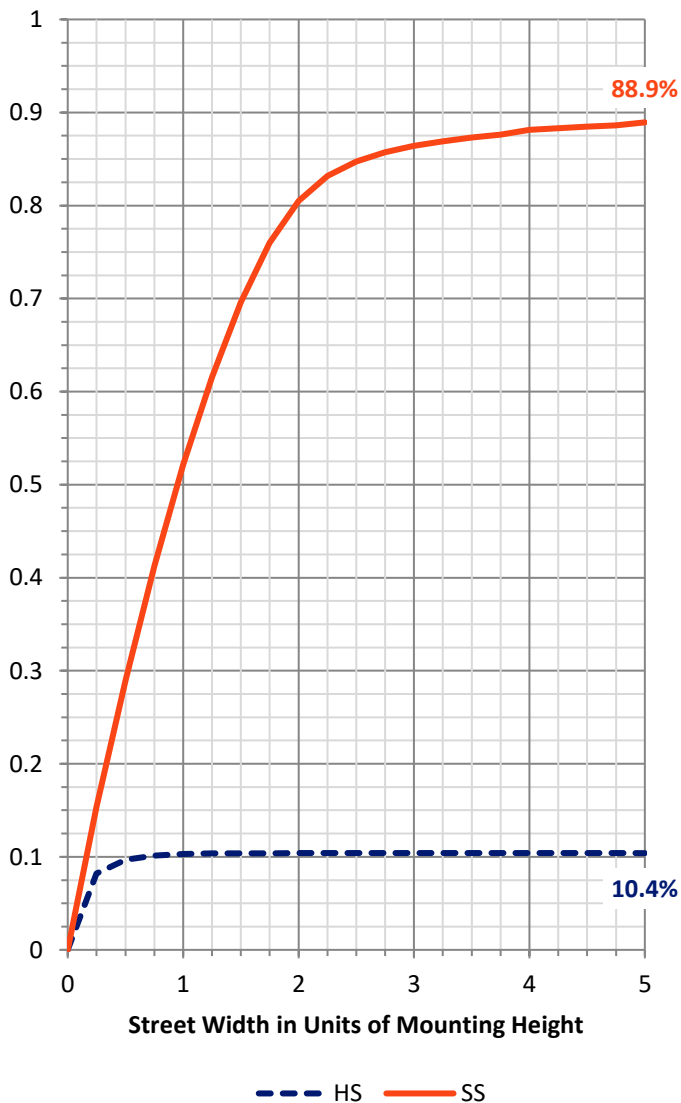
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	484.3	0.0	484.3
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	4140.7	0.0	4140.7
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	4625.0	0.0	4625.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.2	2.5
10°-20°	243.9	5.3
20°-30°	326.6	7.1
30°-40°	441.4	9.5
40°-50°	633.6	13.7
50°-60°	933.7	20.2
60°-70°	1138.8	24.6
70°-80°	695.4	15.0
80°-90°	94.5	2.0
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°	4625.0	100.0
0°-180°	4625.0	100.0

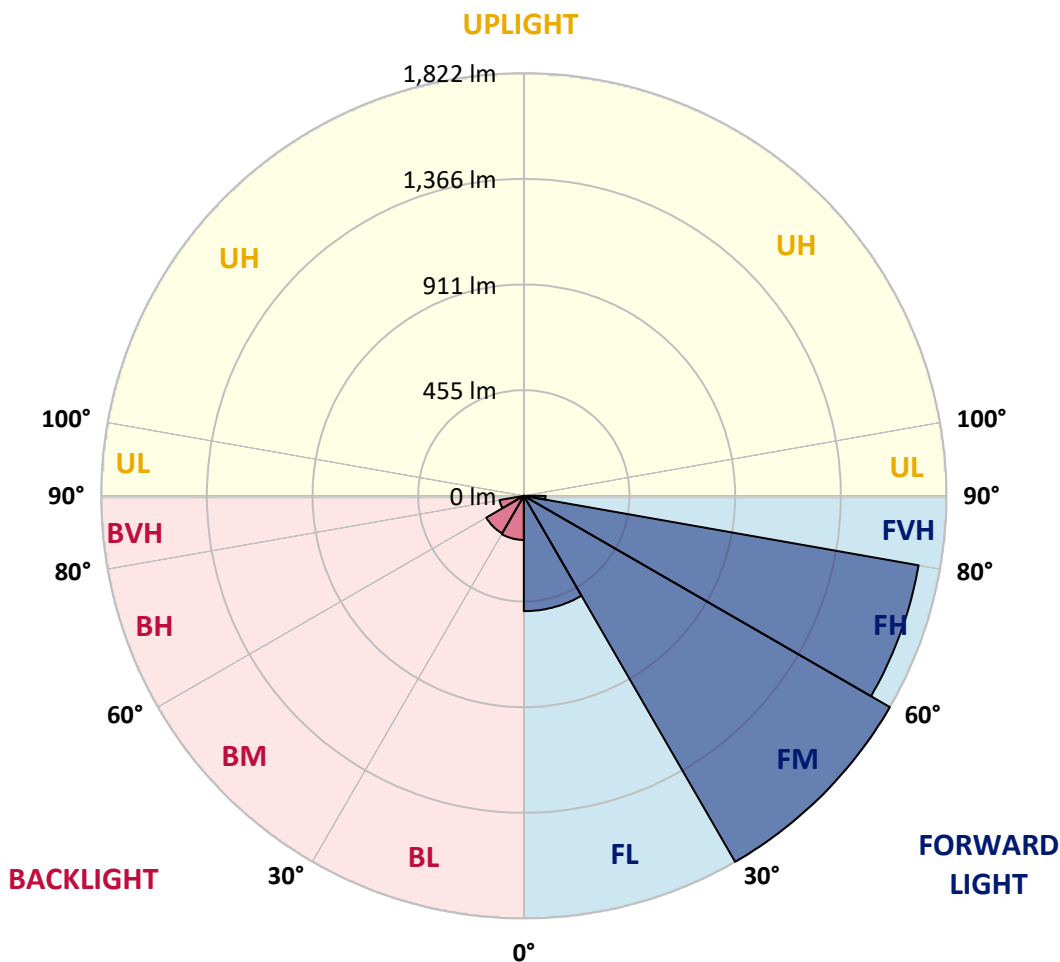


REPORT NUMBER: P677022  
 CATALOG NUMBER: CCW-SA-2A-760-U-SL3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.3	10.8			
FM (30°-60°)	1821.7	39.4			
FH (60°-80°)	1728.1	37.4			G1/1800
FVH (80°-90°)	93.6	2.0			G1/100
BL (0°-30°)	190.3	4.1	B1/500		
BM (30°-60°)	186.9	4.0	B0/220		
BH (60°-80°)	106.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type III Medium





REPORT NUMBER: P677022

CATALOG NUMBER: CCW-SA-2A-760-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7
2.5°	1461.8	1467.2	1454.2	1469.4	1455.3	1461.8	1454.2	1452.0	1453.1	1454.2	1445.5
5°	1393.4	1406.5	1411.9	1403.2	1423.8	1420.6	1433.6	1434.7	1429.2	1423.8	1424.9
7.5°	1303.4	1316.5	1321.9	1327.3	1347.9	1375.0	1392.4	1381.5	1390.2	1409.7	1380.4
10°	1238.4	1235.1	1234.0	1244.9	1283.9	1306.7	1336.0	1332.7	1354.4	1372.8	1349.0
12.5°	1158.1	1151.6	1171.1	1179.8	1214.5	1254.6	1277.4	1301.3	1323.0	1342.5	1315.4
15°	1098.5	1103.9	1111.5	1129.9	1154.9	1208.0	1241.6	1264.4	1303.4	1313.2	1302.4
17.5°	1050.8	1055.1	1066.0	1075.7	1107.2	1158.1	1211.3	1238.4	1279.6	1305.6	1272.0
20°	1051.9	1038.9	1038.9	1048.6	1066.0	1126.7	1183.1	1191.8	1248.1	1292.6	1269.8
22.5°	1052.9	1048.6	1038.9	1037.8	1045.4	1088.7	1146.2	1165.7	1226.5	1278.5	1251.4
25°	1068.1	1051.9	1052.9	1037.8	1041.0	1062.7	1108.3	1137.5	1206.9	1286.1	1241.6
27.5°	1081.1	1088.7	1073.6	1067.0	1048.6	1047.5	1085.5	1110.4	1197.2	1303.4	1248.1
30°	1110.4	1115.8	1115.8	1111.5	1094.2	1069.2	1077.9	1109.3	1177.7	1300.2	1237.3
32.5°	1159.2	1149.5	1162.5	1156.0	1133.2	1094.2	1101.7	1118.0	1189.6	1341.4	1254.6
35°	1175.5	1183.1	1200.4	1186.3	1178.7	1156.0	1140.8	1152.7	1206.9	1382.6	1280.7
37.5°	1225.4	1214.5	1226.5	1257.9	1265.5	1224.3	1195.0	1212.4	1272.0	1431.4	1304.5
40°	1229.7	1238.4	1260.1	1321.9	1329.5	1312.1	1288.3	1292.6	1337.1	1494.3	1364.2
42.5°	1251.4	1261.2	1305.6	1357.7	1398.9	1402.1	1384.8	1384.8	1422.7	1595.1	1430.3
45°	1293.7	1277.4	1334.9	1422.7	1482.4	1494.3	1517.1	1511.6	1542.0	1701.4	1553.9
47.5°	1309.9	1315.4	1378.3	1484.5	1552.9	1608.2	1646.1	1647.2	1662.4	1837.0	1714.4
50°	1363.1	1362.0	1437.9	1536.6	1637.4	1738.3	1812.0	1812.0	1810.9	1969.3	1852.1
52.5°	1433.6	1431.4	1490.0	1607.1	1738.3	1865.2	1962.8	1966.0	1991.0	2131.9	2010.5
55°	1548.5	1538.8	1595.1	1681.9	1839.1	1993.1	2162.3	2163.4	2143.9	2248.0	2124.3
57.5°	1645.0	1643.9	1690.6	1774.1	1951.9	2157.9	2354.2	2383.5	2321.7	2367.2	2215.4
60°	1620.1	1634.2	1730.7	1854.3	2071.2	2364.0	2561.3	2606.9	2508.2	2448.6	2283.7
62.5°	1465.0	1497.6	1602.7	1800.1	2172.0	2663.3	2846.5	2825.9	2605.8	2518.0	2367.2
65°	1054.0	1086.6	1216.7	1512.7	2054.9	2874.7	3221.7	3128.5	2779.3	2621.0	2478.9
67.5°	620.3	633.3	714.6	965.1	1536.6	2759.8	3677.2	3684.8	3120.9	2779.3	2672.0
70°	447.9	457.6	489.1	569.3	851.3	2163.4	3930.9	4128.3	3594.8	2961.5	2570.0
72.5°	343.8	343.8	396.9	473.9	542.2	1295.9	3617.5	4013.3	3697.8	2786.9	2071.2
75°	247.2	253.7	311.2	407.7	499.9	650.6	2665.4	3184.9	3133.9	2258.8	1446.6
77.5°	142.1	145.3	219.0	341.6	469.5	446.8	1647.2	2159.0	2219.8	1414.1	626.8
80°	72.7	74.8	122.5	270.0	425.1	389.3	982.5	1421.6	1205.8	411.0	145.3
82.5°	35.8	35.8	55.3	172.4	361.1	344.8	578.0	785.1	427.3	94.3	60.7
85°	11.9	13.0	24.9	97.6	261.3	208.2	353.5	373.0	143.1	35.8	33.6
87.5°	3.3	4.3	6.5	35.8	113.9	136.6	210.4	238.6	58.6	14.1	16.3
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: P677022

CATALOG NUMBER: CCW-SA-2A-760-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7	1435.7
2.5°	1413.0	1405.4	1396.7	1375.0	1357.7	1334.9	1319.7	1307.8	1285.0	1289.3	1279.6
5°	1398.9	1384.8	1334.9	1287.2	1243.8	1177.7	1132.1	1102.8	1079.0	1055.1	1072.5
7.5°	1373.9	1340.3	1262.2	1173.3	1081.1	994.4	907.6	855.6	817.6	782.9	781.8
10°	1331.6	1277.4	1154.9	1038.9	896.8	782.9	672.3	585.6	529.2	488.0	486.9
12.5°	1283.9	1227.5	1073.6	884.9	721.1	560.6	428.3	336.2	283.0	250.5	246.2
15°	1253.6	1171.1	971.6	748.2	545.5	365.4	237.5	180.0	159.4	151.8	151.8
17.5°	1214.5	1120.2	870.8	606.2	378.5	211.5	154.0	138.8	137.7	135.5	133.4
20°	1198.3	1081.1	780.8	483.6	239.7	149.6	132.3	129.0	129.0	126.9	124.7
22.5°	1154.9	1024.8	685.3	354.6	159.4	131.2	124.7	120.4	118.2	116.0	118.2
25°	1135.4	984.6	595.3	245.1	130.1	117.1	113.9	109.5	106.3	105.2	105.2
27.5°	1122.3	944.5	507.5	170.3	114.9	107.4	100.8	97.6	93.3	88.9	88.9
30°	1112.6	913.1	422.9	125.8	103.0	95.4	90.0	82.4	77.0	72.7	72.7
32.5°	1099.6	876.2	338.3	107.4	93.3	85.7	75.9	69.4	61.8	58.6	58.6
35°	1103.9	851.3	265.7	95.4	83.5	73.7	65.1	56.4	48.8	45.5	44.5
37.5°	1112.6	832.8	201.7	85.7	74.8	64.0	54.2	44.5	40.1	35.8	35.8
40°	1149.5	827.4	148.6	79.2	68.3	56.4	45.5	36.9	32.5	29.3	28.2
42.5°	1211.3	835.0	114.9	71.6	61.8	47.7	38.0	30.4	26.0	22.8	21.7
45°	1290.4	864.3	94.3	67.2	54.2	40.1	30.4	24.9	19.5	17.4	17.4
47.5°	1405.4	909.8	82.4	61.8	47.7	33.6	26.0	19.5	15.2	13.0	13.0
50°	1535.5	961.9	72.7	55.3	41.2	28.2	20.6	15.2	10.8	9.8	9.8
52.5°	1665.6	1028.0	67.2	51.0	35.8	22.8	16.3	10.8	7.6	6.5	6.5
55°	1802.3	1086.6	60.7	47.7	29.3	18.4	11.9	6.5	4.3	3.3	3.3
57.5°	1897.7	1109.3	53.1	41.2	22.8	14.1	8.7	4.3	2.2	1.1	1.1
60°	1966.0	1112.6	45.5	33.6	17.4	10.8	5.4	2.2	1.1	0.0	0.0
62.5°	2023.5	1119.1	39.0	26.0	13.0	7.6	3.3	1.1	0.0	0.0	0.0
65°	2137.3	1113.7	31.4	20.6	8.7	4.3	2.2	0.0	0.0	0.0	0.0
67.5°	2227.3	1059.5	24.9	14.1	5.4	2.2	1.1	0.0	0.0	0.0	0.0
70°	1970.3	807.9	19.5	9.8	3.3	1.1	0.0	0.0	0.0	0.0	0.0
72.5°	1547.4	538.9	13.0	5.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0
75°	1015.0	267.8	9.8	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	394.7	70.5	6.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	95.4	23.9	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.2	8.7	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.9	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.0	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)