

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: P676989

Luminaire Tested: **CCW-SA-2A-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676989
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-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) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

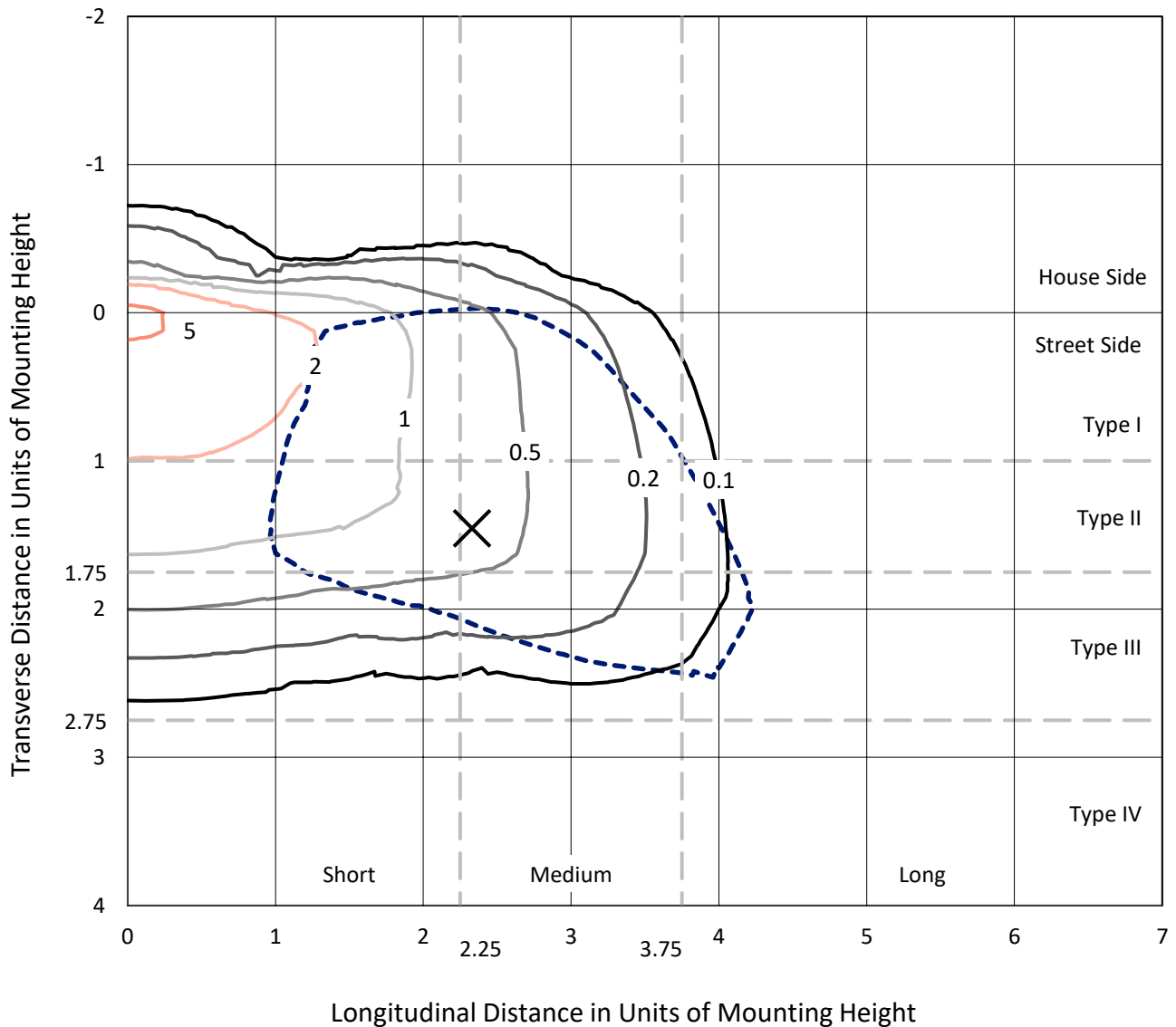
Lumens per Lamp: N/A
Luminaire Lumens: 4459.5 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{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

REPORT NUMBER: P676989
 CATALOG NUMBER: CCW-SA-2A-735-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

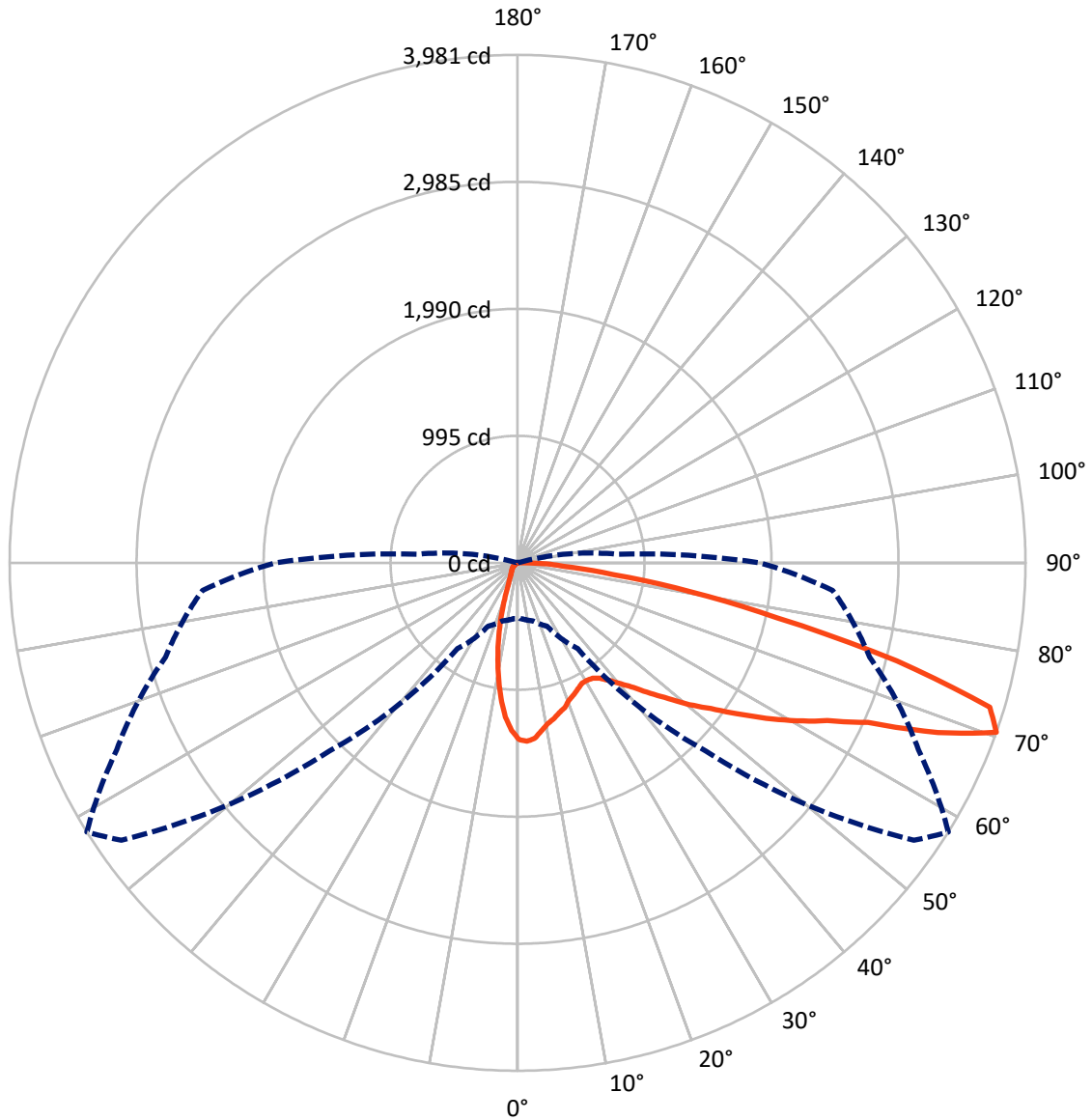
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P676989
CATALOG NUMBER: CCW-SA-2A-735-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676989
 CATALOG NUMBER: CCW-SA-2A-735-U-SL3-HSS

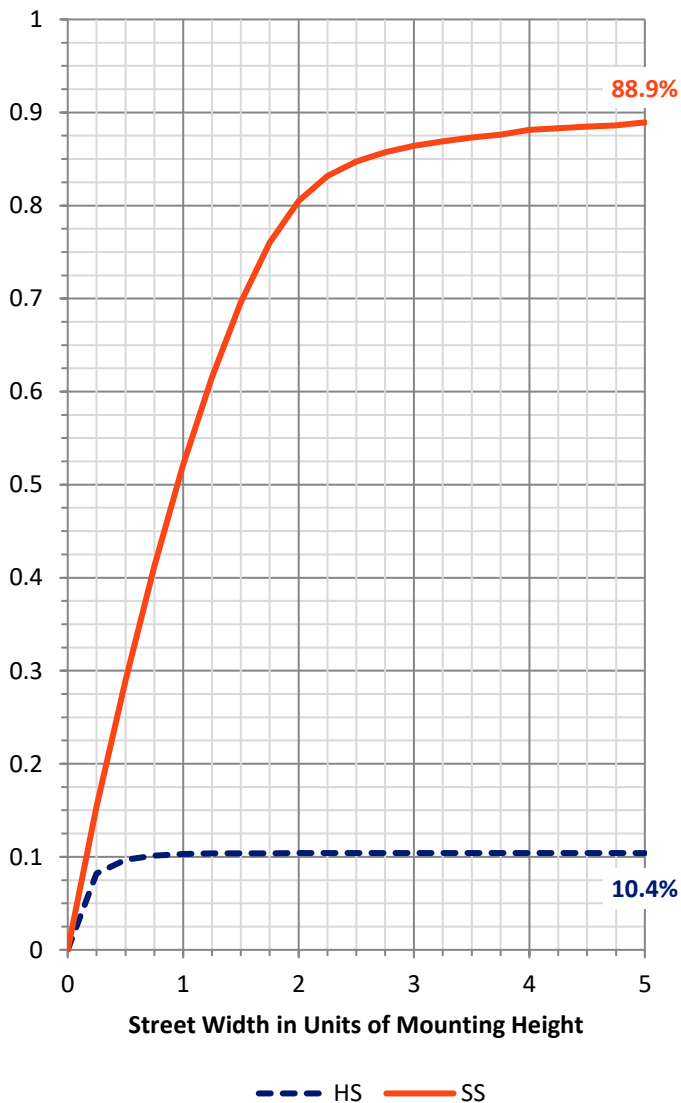
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	467.0	0.0	467.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3992.5	0.0	3992.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	4459.5	0.0	4459.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	2.5
10°-20°	235.2	5.3
20°-30°	314.9	7.1
30°-40°	425.6	9.5
40°-50°	610.9	13.7
50°-60°	900.3	20.2
60°-70°	1098.1	24.6
70°-80°	670.5	15.0
80°-90°	91.1	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°	4459.5	100.0
0°-180°	4459.5	100.0

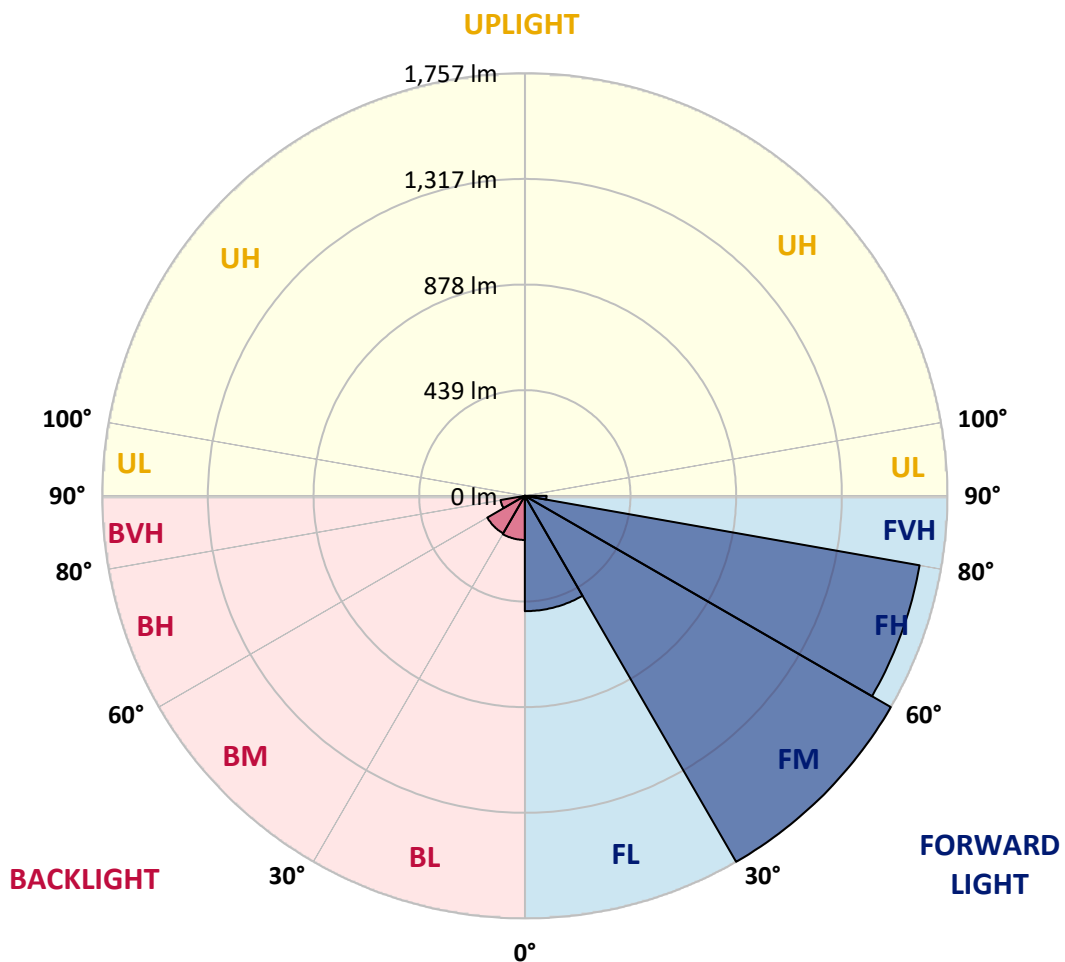


REPORT NUMBER: P676989
 CATALOG NUMBER: CCW-SA-2A-735-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.5	10.8			
FM (30°-60°)	1756.6	39.4			
FH (60°-80°)	1666.3	37.4			G1/1800
FVH (80°-90°)	90.2	2.0			G1/100
BL (0°-30°)	183.5	4.1	B1/500		
BM (30°-60°)	180.2	4.0	B0/220		
BH (60°-80°)	102.3	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: P676989

CATALOG NUMBER: CCW-SA-2A-735-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4
2.5°	1409.5	1414.7	1402.1	1416.8	1403.2	1409.5	1402.1	1400.1	1401.1	1402.1	1393.8
5°	1343.6	1356.1	1361.4	1353.0	1372.9	1369.7	1382.3	1383.3	1378.1	1372.9	1373.9
7.5°	1256.8	1269.4	1274.6	1279.8	1299.7	1325.8	1342.5	1332.1	1340.5	1359.3	1331.0
10°	1194.1	1190.9	1189.9	1200.3	1238.0	1259.9	1288.2	1285.0	1305.9	1323.7	1300.7
12.5°	1116.7	1110.4	1129.2	1137.6	1171.1	1209.8	1231.7	1254.7	1275.6	1294.4	1268.3
15°	1059.2	1064.4	1071.7	1089.5	1113.6	1164.8	1197.2	1219.2	1256.8	1266.2	1255.8
17.5°	1013.2	1017.4	1027.8	1037.2	1067.6	1116.7	1167.9	1194.1	1233.8	1258.9	1226.5
20°	1014.2	1001.7	1001.7	1011.1	1027.8	1086.4	1140.7	1149.1	1203.5	1246.3	1224.4
22.5°	1015.3	1011.1	1001.7	1000.6	1008.0	1049.8	1105.2	1124.0	1182.6	1232.8	1206.6
25°	1029.9	1014.2	1015.3	1000.6	1003.8	1024.7	1068.6	1096.8	1163.7	1240.1	1197.2
27.5°	1042.5	1049.8	1035.1	1028.9	1011.1	1010.0	1046.6	1070.7	1154.3	1256.8	1203.5
30°	1070.7	1075.9	1075.9	1071.7	1055.0	1031.0	1039.3	1069.6	1135.5	1253.7	1193.0
32.5°	1117.7	1108.3	1120.9	1114.6	1092.6	1055.0	1062.3	1078.0	1147.0	1293.4	1209.8
35°	1133.4	1140.7	1157.5	1143.9	1136.6	1114.6	1100.0	1111.5	1163.7	1333.1	1234.8
37.5°	1181.5	1171.1	1182.6	1212.9	1220.2	1180.5	1152.2	1169.0	1226.5	1380.2	1257.9
40°	1185.7	1194.1	1215.0	1274.6	1281.9	1265.2	1242.2	1246.3	1289.2	1440.8	1315.4
42.5°	1206.6	1216.0	1258.9	1309.1	1348.8	1352.0	1335.2	1335.2	1371.8	1538.1	1379.1
45°	1247.4	1231.7	1287.1	1371.8	1429.3	1440.8	1462.8	1457.6	1486.8	1640.5	1498.3
47.5°	1263.1	1268.3	1329.0	1431.4	1497.3	1550.6	1587.2	1588.3	1602.9	1771.2	1653.1
50°	1314.3	1313.3	1386.5	1481.6	1578.8	1676.1	1747.2	1747.2	1746.1	1898.8	1785.9
52.5°	1382.3	1380.2	1436.6	1549.6	1676.1	1798.4	1892.5	1895.7	1919.7	2055.6	1938.5
55°	1493.1	1483.7	1538.1	1621.7	1773.3	1921.8	2084.9	2086.0	2067.1	2167.5	2048.3
57.5°	1586.2	1585.1	1630.1	1710.6	1882.1	2080.7	2270.0	2298.2	2238.6	2282.5	2136.2
60°	1562.1	1575.7	1668.8	1788.0	1997.1	2279.4	2469.7	2513.6	2418.5	2361.0	2202.0
62.5°	1412.6	1444.0	1545.4	1735.7	2094.3	2568.0	2744.7	2724.8	2512.6	2427.9	2282.5
65°	1016.3	1047.7	1173.2	1458.6	1981.4	2771.9	3106.5	3016.5	2679.9	2527.2	2390.2
67.5°	598.1	610.6	689.0	930.6	1481.6	2661.0	3545.6	3552.9	3009.2	2679.9	2576.3
70°	431.8	441.2	471.6	548.9	820.8	2086.0	3790.3	3980.6	3466.1	2855.5	2478.1
72.5°	331.5	331.5	382.7	456.9	522.8	1249.5	3488.1	3869.7	3565.5	2687.2	1997.1
75°	238.4	244.7	300.1	393.1	482.0	627.4	2570.1	3070.9	3021.8	2178.0	1394.8
77.5°	137.0	140.1	211.2	329.4	452.7	430.8	1588.3	2081.8	2140.3	1363.5	604.4
80°	70.1	72.1	118.2	260.4	409.9	375.4	947.3	1370.8	1162.7	396.3	140.1
82.5°	34.5	34.5	53.3	166.2	348.2	332.5	557.3	757.0	412.0	91.0	58.6
85°	11.5	12.5	24.0	94.1	252.0	200.8	340.9	359.7	138.0	34.5	32.4
87.5°	3.1	4.2	6.3	34.5	109.8	131.7	202.8	230.0	56.5	13.6	15.7
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: P676989
 CATALOG NUMBER: CCW-SA-2A-735-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4
2.5°	1362.4	1355.1	1346.7	1325.8	1309.1	1287.1	1272.5	1261.0	1239.0	1243.2	1233.8
5°	1348.8	1335.2	1287.1	1241.1	1199.3	1135.5	1091.6	1063.4	1040.4	1017.4	1034.1
7.5°	1324.8	1292.4	1217.1	1131.3	1042.5	958.8	875.2	825.0	788.4	754.9	753.9
10°	1284.0	1231.7	1113.6	1001.7	864.7	754.9	648.3	564.6	510.3	470.5	469.5
12.5°	1238.0	1183.6	1035.1	853.2	695.3	540.6	413.0	324.1	272.9	241.5	237.4
15°	1208.7	1129.2	936.9	721.5	525.9	352.4	229.0	173.6	153.7	146.4	146.4
17.5°	1171.1	1080.1	839.6	584.5	364.9	203.9	148.5	133.8	132.8	130.7	128.6
20°	1155.4	1042.5	752.8	466.3	231.1	144.3	127.6	124.4	124.4	122.3	120.2
22.5°	1113.6	988.1	660.8	341.9	153.7	126.5	120.2	116.1	114.0	111.9	114.0
25°	1094.7	949.4	574.0	236.3	125.5	112.9	109.8	105.6	102.5	101.4	101.4
27.5°	1082.2	910.7	489.3	164.2	110.8	103.5	97.2	94.1	89.9	85.7	85.7
30°	1072.8	880.4	407.8	121.3	99.3	92.0	86.8	79.5	74.2	70.1	70.1
32.5°	1060.2	844.8	326.2	103.5	89.9	82.6	73.2	66.9	59.6	56.5	56.5
35°	1064.4	820.8	256.2	92.0	80.5	71.1	62.7	54.4	47.1	43.9	42.9
37.5°	1072.8	803.0	194.5	82.6	72.1	61.7	52.3	42.9	38.7	34.5	34.5
40°	1108.3	797.8	143.2	76.3	65.9	54.4	43.9	35.6	31.4	28.2	27.2
42.5°	1167.9	805.1	110.8	69.0	59.6	46.0	36.6	29.3	25.1	22.0	20.9
45°	1244.3	833.3	91.0	64.8	52.3	38.7	29.3	24.0	18.8	16.7	16.7
47.5°	1355.1	877.3	79.5	59.6	46.0	32.4	25.1	18.8	14.6	12.5	12.5
50°	1480.6	927.4	70.1	53.3	39.7	27.2	19.9	14.6	10.5	9.4	9.4
52.5°	1606.0	991.2	64.8	49.1	34.5	22.0	15.7	10.5	7.3	6.3	6.3
55°	1737.8	1047.7	58.6	46.0	28.2	17.8	11.5	6.3	4.2	3.1	3.1
57.5°	1829.8	1069.6	51.2	39.7	22.0	13.6	8.4	4.2	2.1	1.0	1.0
60°	1895.7	1072.8	43.9	32.4	16.7	10.5	5.2	2.1	1.0	0.0	0.0
62.5°	1951.1	1079.1	37.6	25.1	12.5	7.3	3.1	1.0	0.0	0.0	0.0
65°	2060.9	1073.8	30.3	19.9	8.4	4.2	2.1	0.0	0.0	0.0	0.0
67.5°	2147.7	1021.5	24.0	13.6	5.2	2.1	1.0	0.0	0.0	0.0	0.0
70°	1899.8	779.0	18.8	9.4	3.1	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	1492.1	519.7	12.5	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
75°	978.7	258.3	9.4	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	380.6	68.0	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	92.0	23.0	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.7	8.4	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.0	4.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	2.1	1.0	1.0	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)