

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: P677000

Luminaire Tested: **CCW-SA-2A-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677000
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-740-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) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

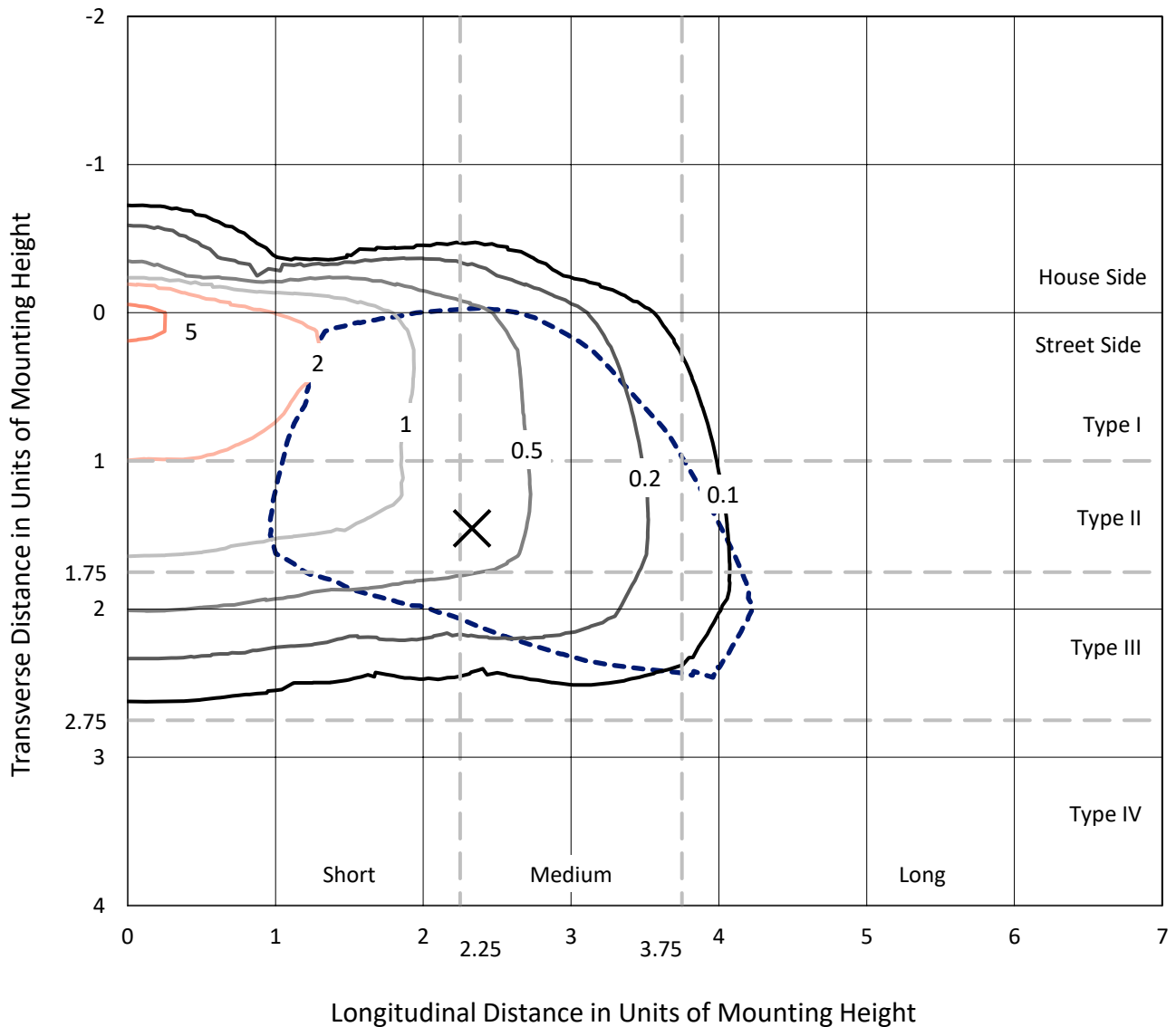
Lumens per Lamp: N/A
Luminaire Lumens: 4521.5 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

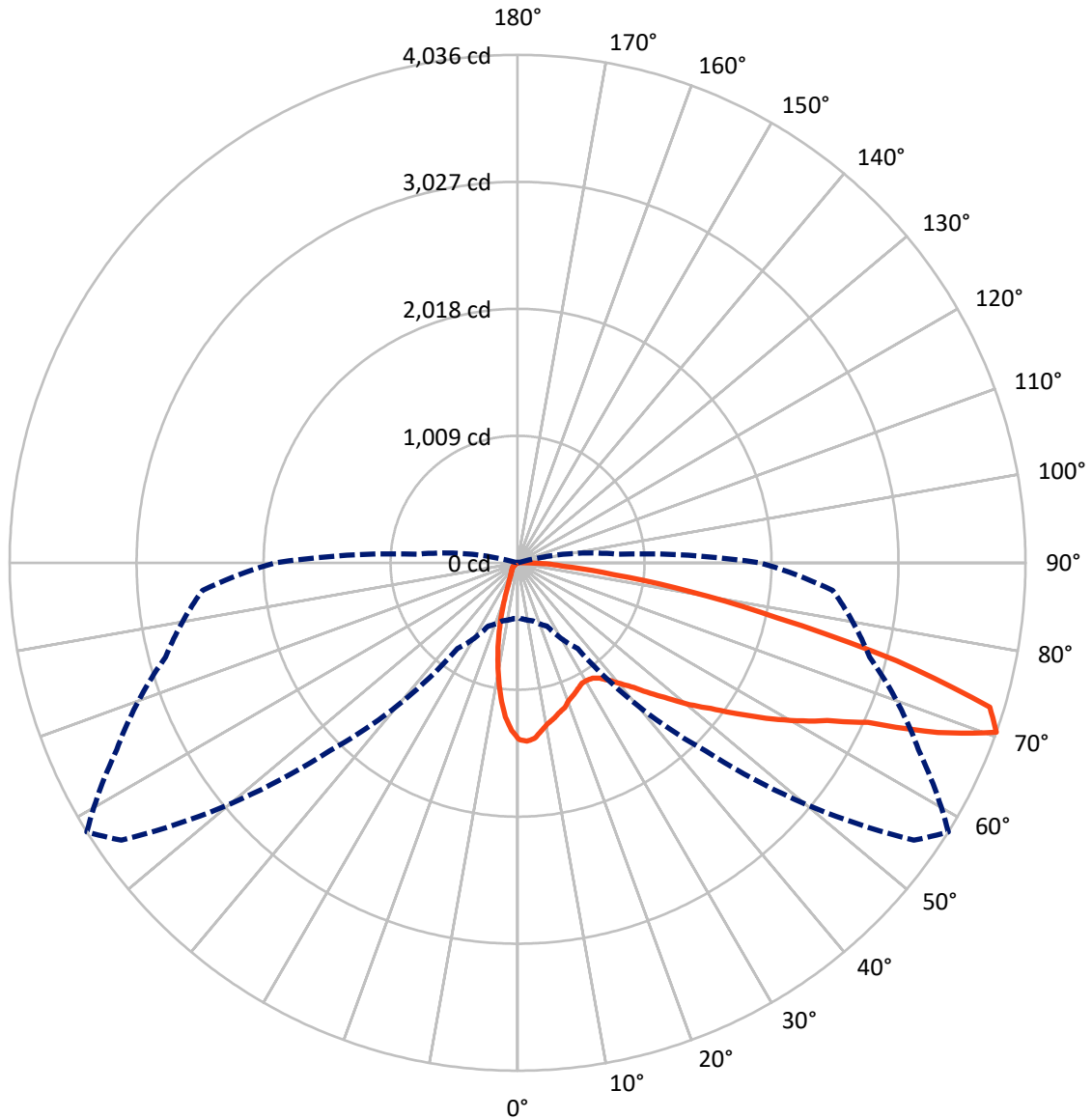
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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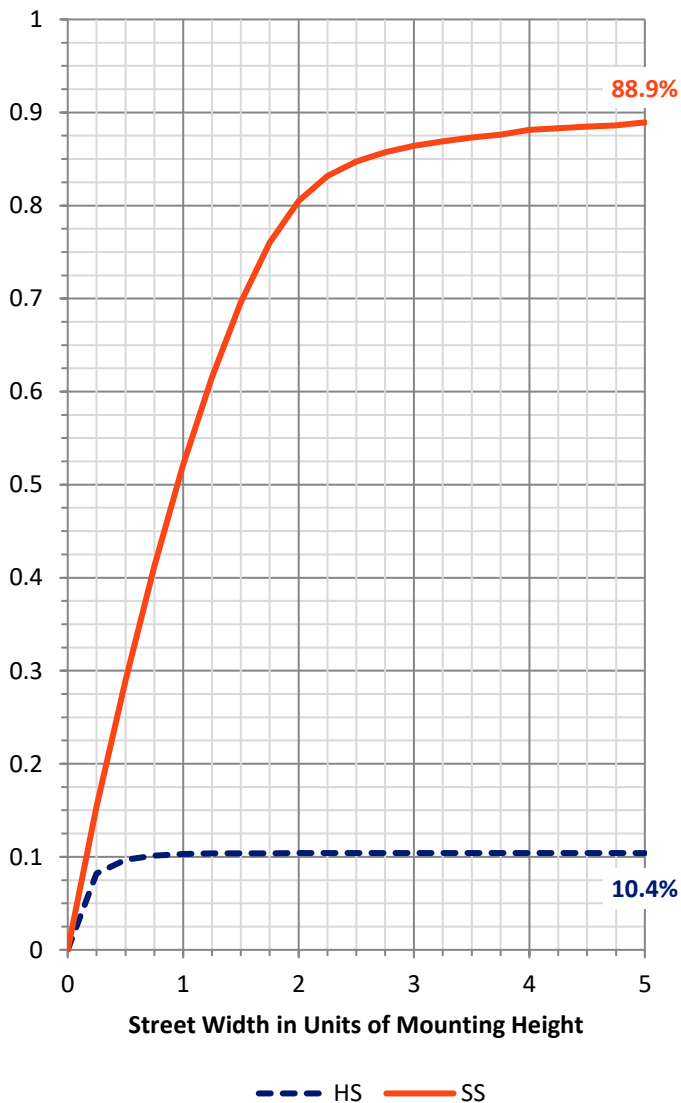
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.5	0.0	473.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4048.0	0.0	4048.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	4521.5	0.0	4521.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	2.5
10°-20°	238.4	5.3
20°-30°	319.2	7.1
30°-40°	431.6	9.5
40°-50°	619.4	13.7
50°-60°	912.8	20.2
60°-70°	1113.3	24.6
70°-80°	679.9	15.0
80°-90°	92.4	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°	4521.5	100.0
0°-180°	4521.5	100.0

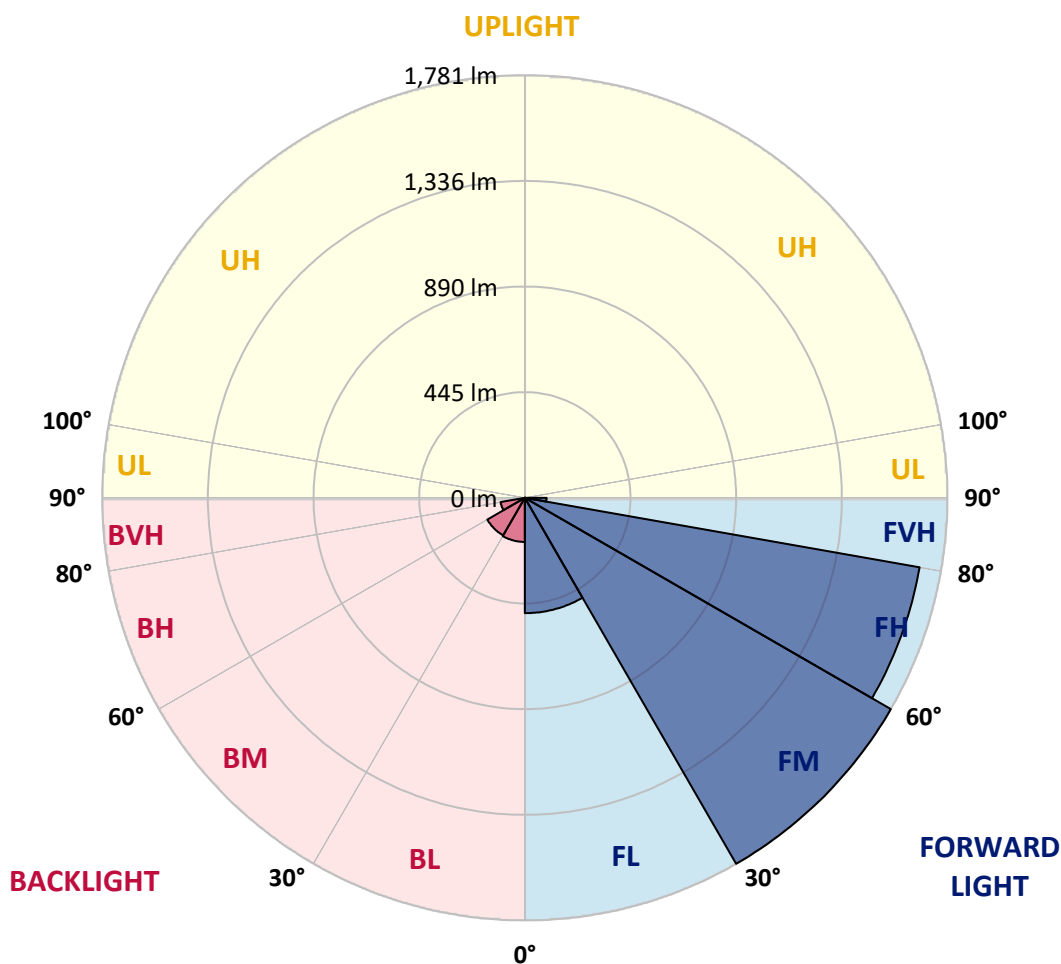


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.1	10.8			
FM (30°-60°)	1781.0	39.4			
FH (60°-80°)	1689.4	37.4			G1/1800
FVH (80°-90°)	91.5	2.0			G1/100
BL (0°-30°)	186.1	4.1	B1/500		
BM (30°-60°)	182.7	4.0	B0/220		
BH (60°-80°)	103.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6
2.5°	1429.0	1434.3	1421.6	1436.5	1422.7	1429.0	1421.6	1419.5	1420.6	1421.6	1413.1
5°	1362.3	1375.0	1380.3	1371.8	1391.9	1388.8	1401.5	1402.5	1397.2	1391.9	1393.0
7.5°	1274.3	1287.0	1292.3	1297.6	1317.7	1344.2	1361.2	1350.6	1359.1	1378.2	1349.5
10°	1210.7	1207.5	1206.4	1217.0	1255.2	1277.4	1306.1	1302.9	1324.1	1342.1	1318.8
12.5°	1132.2	1125.8	1144.9	1153.4	1187.3	1226.6	1248.8	1272.1	1293.3	1312.4	1285.9
15°	1073.9	1079.2	1086.6	1104.6	1129.0	1181.0	1213.8	1236.1	1274.3	1283.8	1273.2
17.5°	1027.3	1031.5	1042.1	1051.6	1082.4	1132.2	1184.2	1210.7	1250.9	1276.4	1243.5
20°	1028.3	1015.6	1015.6	1025.1	1042.1	1101.5	1156.6	1165.1	1220.2	1263.7	1241.4
22.5°	1029.4	1025.1	1015.6	1014.5	1022.0	1064.4	1120.5	1139.6	1199.0	1249.9	1223.4
25°	1044.2	1028.3	1029.4	1014.5	1017.7	1038.9	1083.4	1112.1	1179.9	1257.3	1213.8
27.5°	1056.9	1064.4	1049.5	1043.2	1025.1	1024.1	1061.2	1085.6	1170.4	1274.3	1220.2
30°	1085.6	1090.9	1090.9	1086.6	1069.7	1045.3	1053.8	1084.5	1151.3	1271.1	1209.6
32.5°	1133.3	1123.7	1136.4	1130.1	1107.8	1069.7	1077.1	1093.0	1163.0	1311.4	1226.6
35°	1149.2	1156.6	1173.6	1159.8	1152.3	1130.1	1115.2	1126.9	1179.9	1351.7	1252.0
37.5°	1197.9	1187.3	1199.0	1229.7	1237.2	1196.9	1168.3	1185.2	1243.5	1399.4	1275.3
40°	1202.2	1210.7	1231.9	1292.3	1299.7	1282.7	1259.4	1263.7	1307.1	1460.8	1333.6
42.5°	1223.4	1232.9	1276.4	1327.3	1367.6	1370.7	1353.8	1353.8	1390.9	1559.4	1398.3
45°	1264.7	1248.8	1305.0	1390.9	1449.2	1460.8	1483.1	1477.8	1507.5	1663.3	1519.2
47.5°	1280.6	1285.9	1347.4	1451.3	1518.1	1572.2	1609.3	1610.3	1625.2	1795.8	1676.0
50°	1332.6	1331.5	1405.7	1502.2	1600.8	1699.4	1771.5	1771.5	1770.4	1925.2	1810.7
52.5°	1401.5	1399.4	1456.6	1571.1	1699.4	1823.4	1918.8	1922.0	1946.4	2084.2	1965.5
55°	1513.8	1504.3	1559.4	1644.2	1798.0	1948.5	2113.9	2114.9	2095.9	2197.6	2076.8
57.5°	1608.2	1607.1	1652.7	1734.4	1908.2	2109.6	2301.5	2330.1	2269.7	2314.2	2165.8
60°	1583.8	1597.6	1691.9	1812.8	2024.8	2311.1	2504.0	2548.5	2452.1	2393.7	2232.6
62.5°	1432.2	1464.0	1566.9	1759.8	2123.4	2603.7	2782.8	2762.7	2547.5	2461.6	2314.2
65°	1030.4	1062.2	1189.5	1478.9	2008.9	2810.4	3149.6	3058.4	2717.1	2562.3	2423.4
67.5°	606.4	619.1	698.6	943.5	1502.2	2698.0	3594.9	3602.3	3051.0	2717.1	2612.1
70°	437.8	447.4	478.1	556.6	832.2	2114.9	3842.9	4035.9	3514.3	2895.2	2512.5
72.5°	336.1	336.1	388.0	463.3	530.1	1266.8	3536.6	3923.5	3615.0	2724.5	2024.8
75°	241.7	248.1	304.3	398.6	488.7	636.1	2605.8	3113.6	3063.7	2208.2	1414.2
77.5°	138.9	142.1	214.1	333.9	459.0	436.8	1610.3	2110.7	2170.1	1382.4	612.7
80°	71.0	73.1	119.8	264.0	415.6	380.6	960.5	1389.8	1178.9	401.8	142.1
82.5°	35.0	35.0	54.1	168.6	353.0	337.1	565.0	767.5	417.7	92.2	59.4
85°	11.7	12.7	24.4	95.4	255.5	203.5	345.6	364.7	139.9	35.0	32.9
87.5°	3.2	4.2	6.4	35.0	111.3	133.6	205.7	233.2	57.2	13.8	15.9
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°	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6	1403.6
2.5°	1381.3	1373.9	1365.4	1344.2	1327.3	1305.0	1290.2	1278.5	1256.2	1260.5	1250.9
5°	1367.6	1353.8	1305.0	1258.4	1216.0	1151.3	1106.8	1078.1	1054.8	1031.5	1048.5
7.5°	1343.2	1310.3	1234.0	1147.0	1056.9	972.1	887.3	836.4	799.3	765.4	764.3
10°	1301.8	1248.8	1129.0	1015.6	876.7	765.4	657.3	572.5	517.3	477.1	476.0
12.5°	1255.2	1200.1	1049.5	865.1	705.0	548.1	418.7	328.6	276.7	244.9	240.6
15°	1225.5	1144.9	949.9	731.5	533.2	357.3	232.2	176.0	155.8	148.4	148.4
17.5°	1187.3	1095.1	851.3	592.6	370.0	206.7	150.5	135.7	134.6	132.5	130.4
20°	1171.4	1056.9	763.3	472.8	234.3	146.3	129.3	126.2	126.2	124.0	121.9
22.5°	1129.0	1001.8	670.0	346.7	155.8	128.3	121.9	117.7	115.6	113.4	115.6
25°	1109.9	962.6	582.0	239.6	127.2	114.5	111.3	107.1	103.9	102.8	102.8
27.5°	1097.2	923.4	496.1	166.4	112.4	105.0	98.6	95.4	91.2	86.9	86.9
30°	1087.7	892.6	413.4	123.0	100.7	93.3	88.0	80.6	75.3	71.0	71.0
32.5°	1075.0	856.6	330.8	105.0	91.2	83.7	74.2	67.8	60.4	57.2	57.2
35°	1079.2	832.2	259.7	93.3	81.6	72.1	63.6	55.1	47.7	44.5	43.5
37.5°	1087.7	814.2	197.2	83.7	73.1	62.5	53.0	43.5	39.2	35.0	35.0
40°	1123.7	808.9	145.2	77.4	66.8	55.1	44.5	36.0	31.8	28.6	27.6
42.5°	1184.2	816.3	112.4	70.0	60.4	46.6	37.1	29.7	25.4	22.3	21.2
45°	1261.5	844.9	92.2	65.7	53.0	39.2	29.7	24.4	19.1	17.0	17.0
47.5°	1373.9	889.4	80.6	60.4	46.6	32.9	25.4	19.1	14.8	12.7	12.7
50°	1501.1	940.3	71.0	54.1	40.3	27.6	20.1	14.8	10.6	9.5	9.5
52.5°	1628.3	1005.0	65.7	49.8	35.0	22.3	15.9	10.6	7.4	6.4	6.4
55°	1761.9	1062.2	59.4	46.6	28.6	18.0	11.7	6.4	4.2	3.2	3.2
57.5°	1855.2	1084.5	51.9	40.3	22.3	13.8	8.5	4.2	2.1	1.1	1.1
60°	1922.0	1087.7	44.5	32.9	17.0	10.6	5.3	2.1	1.1	0.0	0.0
62.5°	1978.2	1094.0	38.2	25.4	12.7	7.4	3.2	1.1	0.0	0.0	0.0
65°	2089.5	1088.7	30.7	20.1	8.5	4.2	2.1	0.0	0.0	0.0	0.0
67.5°	2177.5	1035.7	24.4	13.8	5.3	2.1	1.1	0.0	0.0	0.0	0.0
70°	1926.2	789.8	19.1	9.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0
72.5°	1512.8	526.9	12.7	5.3	2.1	1.1	0.0	0.0	0.0	0.0	0.0
75°	992.3	261.8	9.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	385.9	68.9	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	93.3	23.3	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	40.3	8.5	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.4	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	2.1	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)