

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: P677019

Luminaire Tested: **CCW-SA-1D-760-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677019
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-760-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4714 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

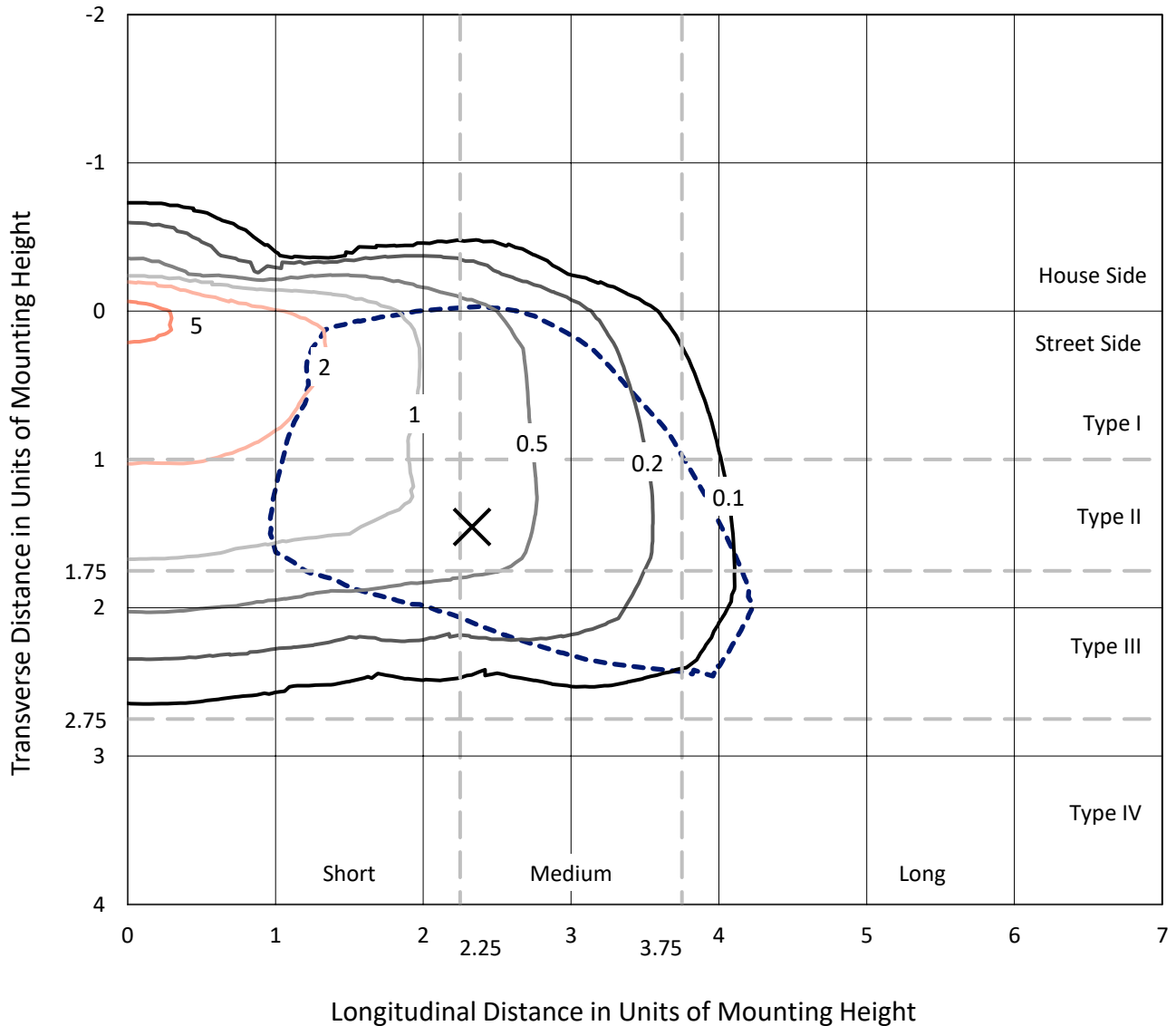
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

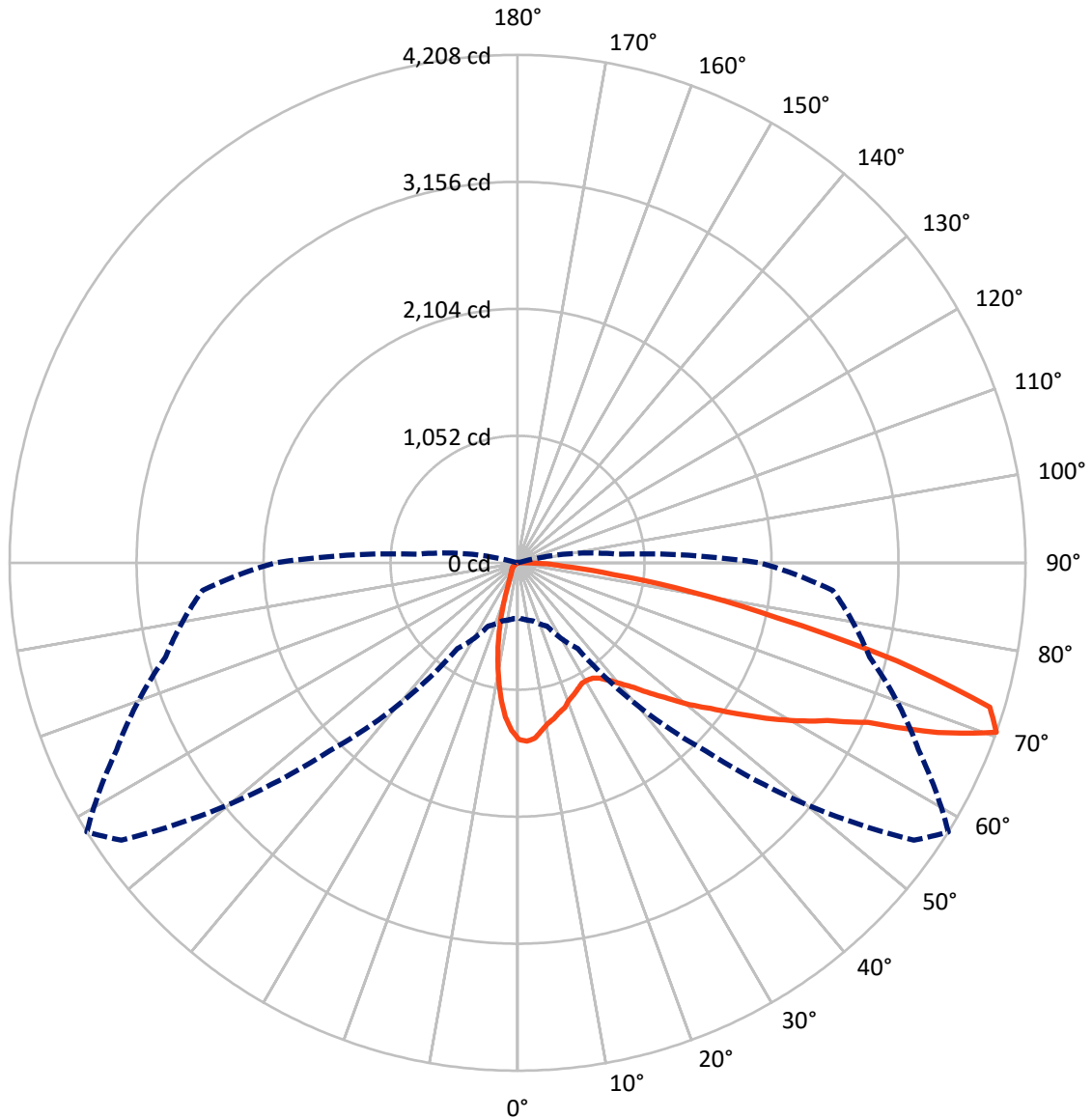
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 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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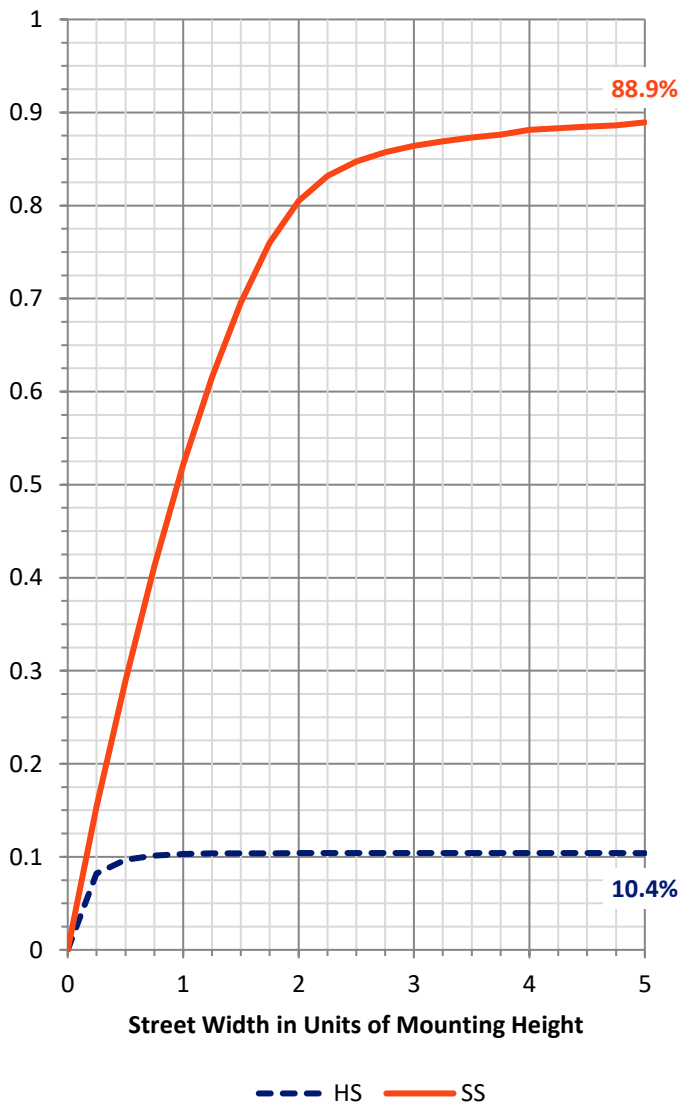
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.6	0.0	493.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4220.4	0.0	4220.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	4714.0	0.0	4714.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	2.5
10°-20°	248.6	5.3
20°-30°	332.8	7.1
30°-40°	449.9	9.5
40°-50°	645.7	13.7
50°-60°	951.6	20.2
60°-70°	1160.7	24.6
70°-80°	708.8	15.0
80°-90°	96.3	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°	4714.0	100.0
0°-180°	4714.0	100.0

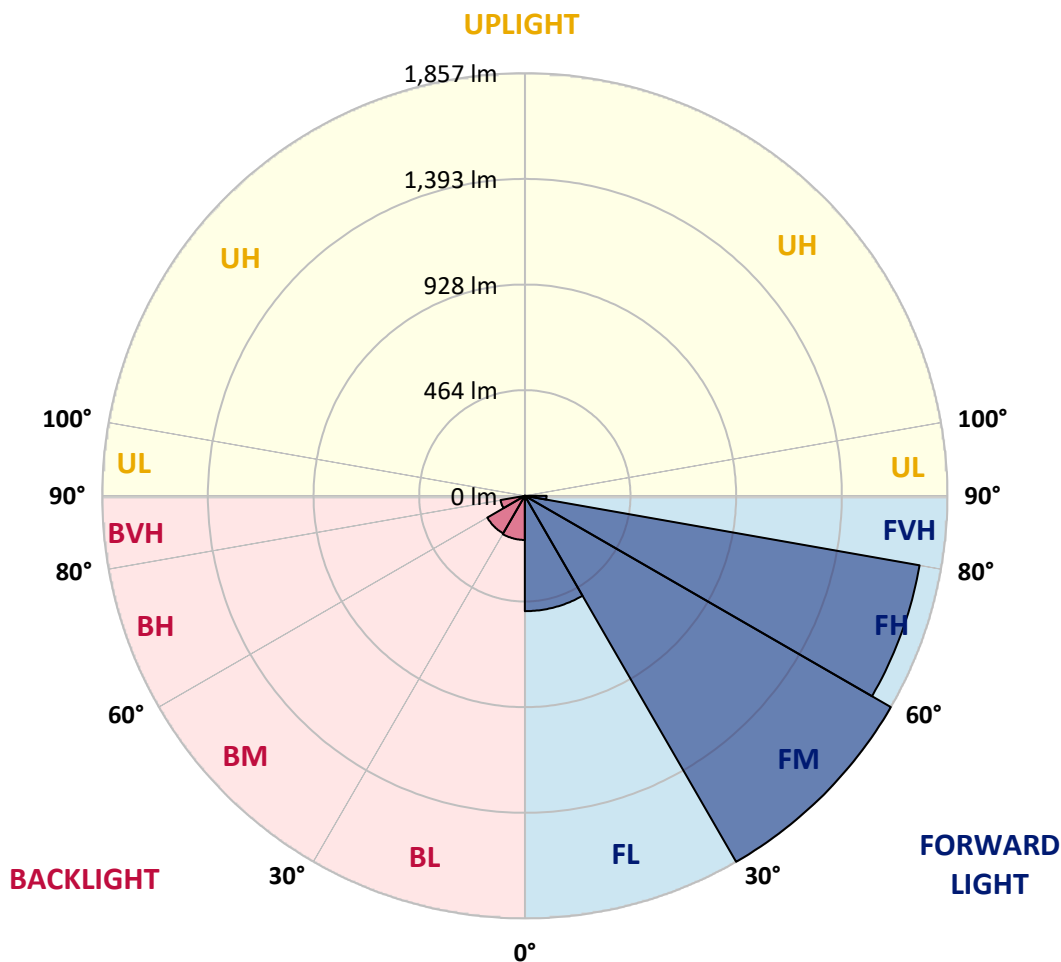


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	506.8	10.8			
FM (30°-60°)	1856.8	39.4			
FH (60°-80°)	1761.4	37.4			G1/1800
FVH (80°-90°)	95.4	2.0			G1/100
BL (0°-30°)	194.0	4.1	B1/500		
BM (30°-60°)	190.5	4.0	B0/220		
BH (60°-80°)	108.2	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°	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4
2.5°	1489.9	1495.4	1482.1	1497.6	1483.3	1489.9	1482.1	1479.9	1481.0	1482.1	1473.3
5°	1420.3	1433.5	1439.0	1430.2	1451.2	1447.9	1461.1	1462.3	1456.7	1451.2	1452.3
7.5°	1328.5	1341.8	1347.3	1352.8	1373.8	1401.5	1419.2	1408.1	1416.9	1436.8	1407.0
10°	1262.2	1258.9	1257.8	1268.8	1308.6	1331.8	1361.7	1358.4	1380.5	1399.3	1374.9
12.5°	1180.4	1173.8	1193.7	1202.5	1237.9	1278.8	1302.0	1326.3	1348.4	1368.3	1340.7
15°	1119.6	1125.2	1132.9	1151.7	1177.1	1231.3	1265.5	1288.7	1328.5	1338.5	1327.4
17.5°	1071.0	1075.4	1086.5	1096.4	1128.5	1180.4	1234.6	1262.2	1304.2	1330.7	1296.5
20°	1072.1	1058.8	1058.8	1068.8	1086.5	1148.4	1205.8	1214.7	1272.2	1317.5	1294.3
22.5°	1073.2	1068.8	1058.8	1057.7	1065.5	1109.7	1168.3	1188.2	1250.0	1303.1	1275.5
25°	1088.7	1072.1	1073.2	1057.7	1061.0	1083.2	1129.6	1159.4	1230.2	1310.8	1265.5
27.5°	1101.9	1109.7	1094.2	1087.6	1068.8	1067.7	1106.4	1131.8	1220.2	1328.5	1272.2
30°	1131.8	1137.3	1137.3	1132.9	1115.2	1089.8	1098.6	1130.7	1200.3	1325.2	1261.1
32.5°	1181.5	1171.6	1184.8	1178.2	1155.0	1115.2	1122.9	1139.5	1212.5	1367.2	1278.8
35°	1198.1	1205.8	1223.5	1209.2	1201.4	1178.2	1162.7	1174.9	1230.2	1409.2	1305.3
37.5°	1248.9	1237.9	1250.0	1282.1	1289.8	1247.8	1218.0	1235.7	1296.5	1458.9	1329.6
40°	1253.4	1262.2	1284.3	1347.3	1355.0	1337.4	1313.0	1317.5	1362.8	1523.0	1390.4
42.5°	1275.5	1285.4	1330.7	1383.8	1425.8	1429.1	1411.4	1411.4	1450.1	1625.8	1457.8
45°	1318.6	1302.0	1360.6	1450.1	1510.9	1523.0	1546.3	1540.7	1571.7	1734.1	1583.8
47.5°	1335.2	1340.7	1404.8	1513.1	1582.7	1639.1	1677.8	1678.9	1694.4	1872.3	1747.4
50°	1389.3	1388.2	1465.6	1566.1	1668.9	1771.7	1846.9	1846.9	1845.8	2007.1	1887.8
52.5°	1461.1	1458.9	1518.6	1638.0	1771.7	1901.0	2000.5	2003.8	2029.3	2172.9	2049.1
55°	1578.3	1568.4	1625.8	1714.3	1874.5	2031.5	2203.9	2205.0	2185.1	2291.2	2165.2
57.5°	1676.7	1675.6	1723.1	1808.2	1989.5	2199.5	2399.5	2429.4	2366.4	2412.8	2258.0
60°	1651.3	1665.6	1764.0	1890.0	2111.0	2409.5	2610.6	2657.0	2556.5	2495.7	2327.7
62.5°	1493.2	1526.4	1633.6	1834.7	2213.8	2714.5	2901.3	2880.3	2655.9	2566.4	2412.8
65°	1074.3	1107.5	1240.1	1541.8	2094.5	2930.0	3283.7	3188.7	2832.8	2671.4	2526.6
67.5°	632.2	645.5	728.4	983.7	1566.1	2812.9	3747.9	3755.7	3180.9	2832.8	2723.4
70°	456.5	466.4	498.5	580.3	867.6	2205.0	4006.6	4207.7	3663.9	3018.5	2619.5
72.5°	350.4	350.4	404.5	483.0	552.6	1320.8	3687.1	4090.6	3768.9	2840.5	2111.0
75°	252.0	258.6	317.2	415.6	509.5	663.2	2716.7	3246.1	3194.2	2302.3	1474.4
77.5°	144.8	148.1	223.3	348.2	478.6	455.4	1678.9	2200.6	2262.5	1441.3	638.8
80°	74.1	76.3	124.9	275.2	433.3	396.8	1001.4	1449.0	1229.0	418.9	148.1
82.5°	36.5	36.5	56.4	175.7	368.1	351.5	589.1	800.2	435.5	96.2	61.9
85°	12.2	13.3	25.4	99.5	266.4	212.2	360.3	380.2	145.9	36.5	34.3
87.5°	3.3	4.4	6.6	36.5	116.1	139.3	214.4	243.2	59.7	14.4	16.6
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°	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4	1463.4
2.5°	1440.1	1432.4	1423.6	1401.5	1383.8	1360.6	1345.1	1332.9	1309.7	1314.2	1304.2
5°	1425.8	1411.4	1360.6	1311.9	1267.7	1200.3	1153.9	1124.0	1099.7	1075.4	1093.1
7.5°	1400.4	1366.1	1286.5	1195.9	1101.9	1013.5	925.1	872.0	833.4	798.0	796.9
10°	1357.3	1302.0	1177.1	1058.8	914.0	798.0	685.3	596.8	539.4	497.4	496.3
12.5°	1308.6	1251.2	1094.2	901.9	735.0	571.4	436.6	342.6	288.5	255.3	250.9
15°	1277.7	1193.7	990.3	762.6	555.9	372.5	242.1	183.5	162.5	154.7	154.7
17.5°	1237.9	1141.7	887.5	617.8	385.7	215.5	156.9	141.5	140.4	138.2	135.9
20°	1221.3	1101.9	795.8	492.9	244.3	152.5	134.8	131.5	131.5	129.3	127.1
22.5°	1177.1	1044.5	698.5	361.4	162.5	133.7	127.1	122.7	120.5	118.3	120.5
25°	1157.2	1003.6	606.8	249.8	132.6	119.4	116.1	111.6	108.3	107.2	107.2
27.5°	1143.9	962.7	517.3	173.5	117.2	109.4	102.8	99.5	95.1	90.6	90.6
30°	1134.0	930.6	431.1	128.2	105.0	97.3	91.7	84.0	78.5	74.1	74.1
32.5°	1120.7	893.0	344.8	109.4	95.1	87.3	77.4	70.7	63.0	59.7	59.7
35°	1125.2	867.6	270.8	97.3	85.1	75.2	66.3	57.5	49.7	46.4	45.3
37.5°	1134.0	848.8	205.6	87.3	76.3	65.2	55.3	45.3	40.9	36.5	36.5
40°	1171.6	843.3	151.4	80.7	69.6	57.5	46.4	37.6	33.2	29.8	28.7
42.5°	1234.6	851.0	117.2	72.9	63.0	48.6	38.7	30.9	26.5	23.2	22.1
45°	1315.3	880.9	96.2	68.5	55.3	40.9	30.9	25.4	19.9	17.7	17.7
47.5°	1432.4	927.3	84.0	63.0	48.6	34.3	26.5	19.9	15.5	13.3	13.3
50°	1565.0	980.4	74.1	56.4	42.0	28.7	21.0	15.5	11.1	9.9	9.9
52.5°	1697.7	1047.8	68.5	51.9	36.5	23.2	16.6	11.1	7.7	6.6	6.6
55°	1836.9	1107.5	61.9	48.6	29.8	18.8	12.2	6.6	4.4	3.3	3.3
57.5°	1934.2	1130.7	54.2	42.0	23.2	14.4	8.8	4.4	2.2	1.1	1.1
60°	2003.8	1134.0	46.4	34.3	17.7	11.1	5.5	2.2	1.1	0.0	0.0
62.5°	2062.4	1140.6	39.8	26.5	13.3	7.7	3.3	1.1	0.0	0.0	0.0
65°	2178.5	1135.1	32.1	21.0	8.8	4.4	2.2	0.0	0.0	0.0	0.0
67.5°	2270.2	1079.8	25.4	14.4	5.5	2.2	1.1	0.0	0.0	0.0	0.0
70°	2008.3	823.4	19.9	9.9	3.3	1.1	0.0	0.0	0.0	0.0	0.0
72.5°	1577.2	549.3	13.3	5.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0
75°	1034.5	273.0	9.9	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	402.3	71.8	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	97.3	24.3	3.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	42.0	8.8	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.4	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.3	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)