

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: P675560

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675560
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
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL3 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

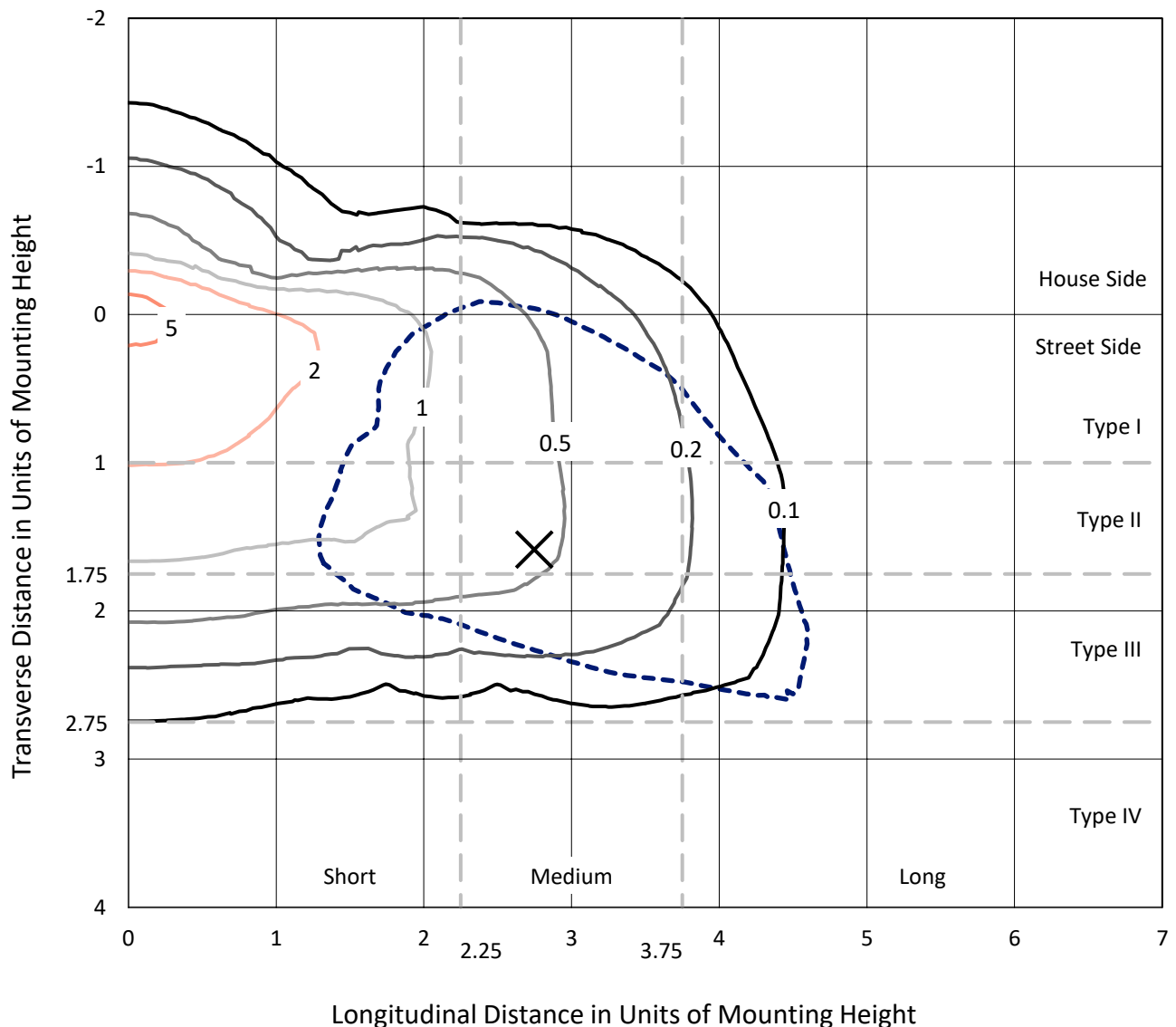
Lumens per Lamp: N/A
Luminaire Lumens: 5410 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

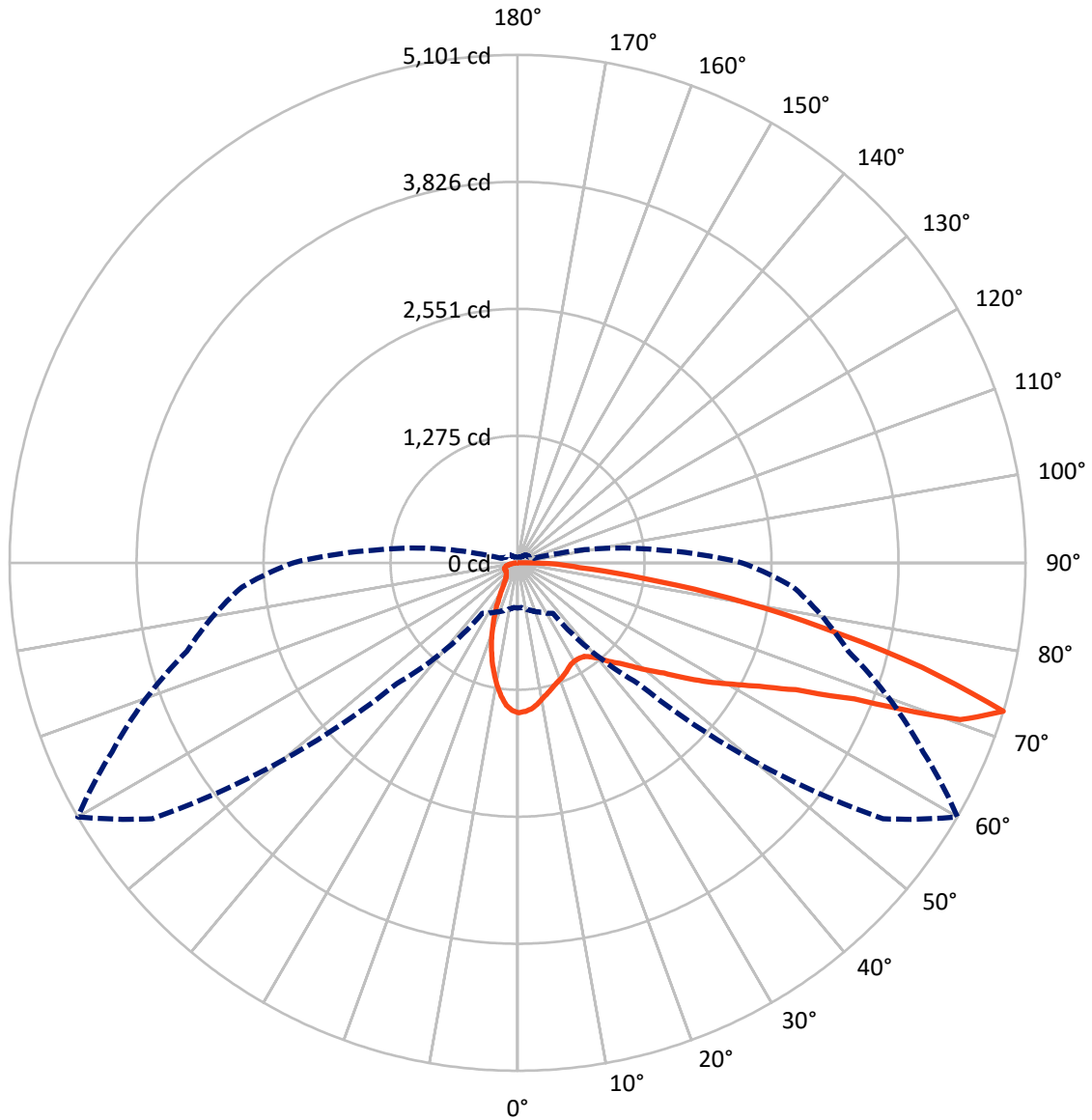
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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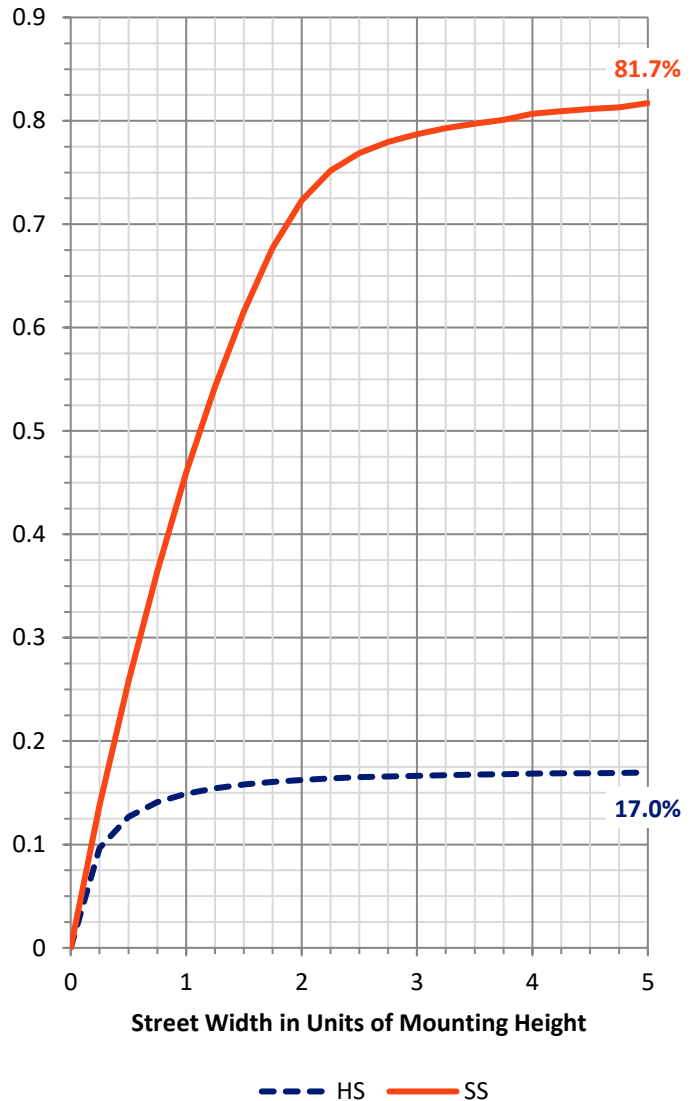
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	929.4	0.0	929.4
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4480.7	0.0	4480.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	5410.0	0.0	5410.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	2.4
10°-20°	296.1	5.5
20°-30°	378.9	7.0
30°-40°	484.8	9.0
40°-50°	664.9	12.3
50°-60°	961.7	17.8
60°-70°	1319.2	24.4
70°-80°	989.9	18.3
80°-90°	184.0	3.4
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°	5410.0	100.0
0°-180°	5410.0	100.0

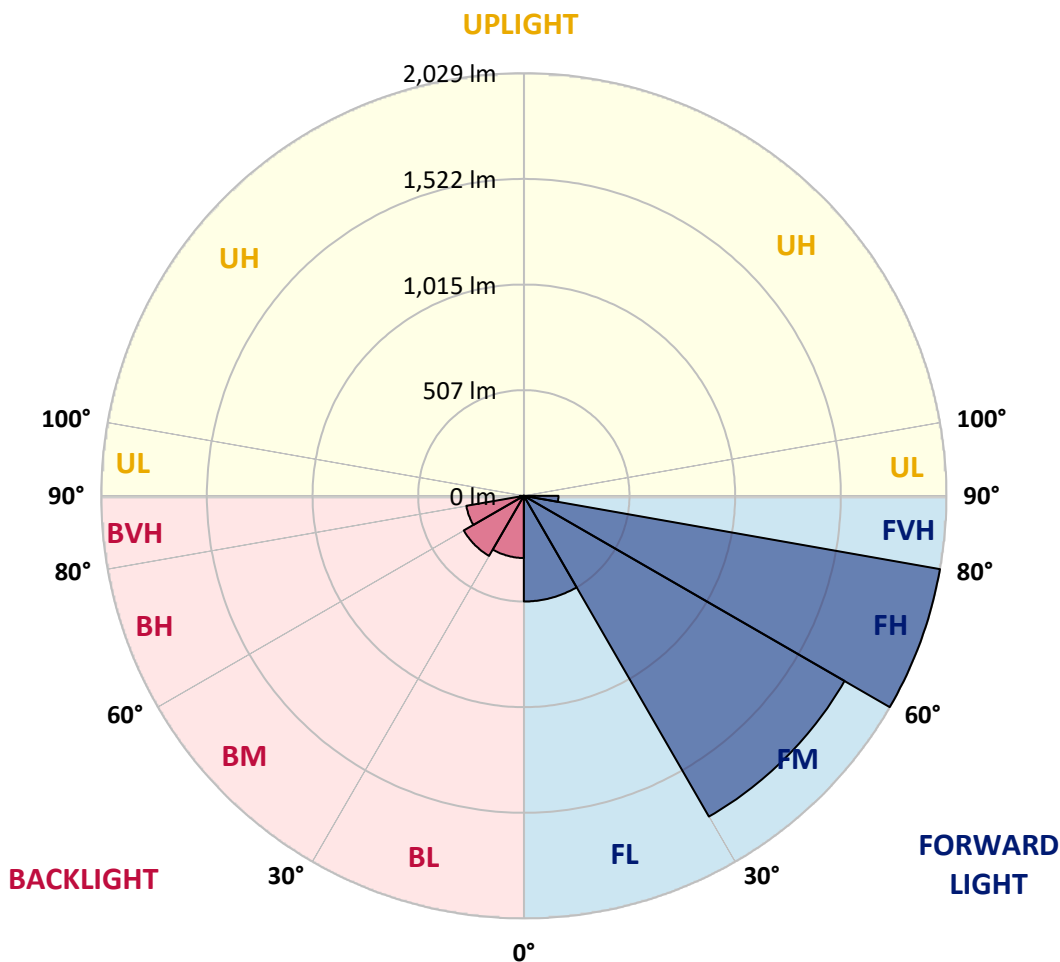


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	507.3	9.4			
FM (30°-60°)	1778.2	32.9			
FH (60°-80°)	2029.1	37.5			G2/5000
FVH (80°-90°)	166.1	3.1			G2/225
BL (0°-30°)	298.3	5.5	B1/500		
BM (30°-60°)	333.0	6.2	B1/1000		
BH (60°-80°)	280.1	5.2	B1/500		G1/500
BVH (80°-90°)	17.9	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4
2.5°	1474.2	1488.3	1492.3	1492.3	1504.4	1490.3	1510.4	1494.3	1498.4	1504.4	1500.4
5°	1403.7	1427.9	1413.8	1440.0	1429.9	1448.0	1472.2	1472.2	1466.1	1478.2	1468.2
7.5°	1335.2	1327.2	1351.3	1351.3	1367.5	1391.6	1411.8	1431.9	1433.9	1437.9	1435.9
10°	1242.6	1252.7	1264.7	1280.9	1301.0	1325.2	1367.5	1383.6	1387.6	1411.8	1405.7
12.5°	1166.1	1180.2	1188.2	1220.4	1238.6	1272.8	1321.1	1343.3	1345.3	1379.5	1379.5
15°	1109.7	1117.7	1135.9	1147.9	1188.2	1236.6	1282.9	1303.0	1325.2	1361.4	1351.3
17.5°	1071.4	1081.5	1089.5	1105.6	1143.9	1184.2	1256.7	1268.8	1295.0	1347.3	1335.2
20°	1049.3	1051.3	1063.4	1073.4	1107.7	1145.9	1210.4	1242.6	1276.8	1323.2	1311.1
22.5°	1053.3	1045.2	1043.2	1057.3	1063.4	1099.6	1178.2	1212.4	1260.7	1315.1	1295.0
25°	1061.3	1063.4	1059.3	1047.2	1049.3	1081.5	1133.8	1178.2	1232.5	1313.1	1272.8
27.5°	1081.5	1091.6	1075.4	1063.4	1051.3	1063.4	1117.7	1150.0	1210.4	1323.2	1270.8
30°	1101.6	1111.7	1107.7	1089.5	1065.4	1061.3	1099.6	1139.9	1198.3	1331.2	1270.8
32.5°	1131.8	1145.9	1131.8	1137.9	1109.7	1091.6	1105.6	1141.9	1210.4	1359.4	1272.8
35°	1166.1	1178.2	1182.2	1168.1	1162.0	1127.8	1135.9	1154.0	1222.5	1391.6	1292.9
37.5°	1204.3	1218.4	1230.5	1232.5	1212.4	1192.2	1188.2	1198.3	1252.7	1448.0	1315.1
40°	1230.5	1238.6	1262.7	1282.9	1288.9	1260.7	1258.7	1258.7	1307.0	1498.4	1355.4
42.5°	1274.8	1270.8	1305.0	1341.3	1351.3	1335.2	1339.3	1355.4	1383.6	1570.9	1419.8
45°	1297.0	1292.9	1333.2	1393.6	1440.0	1431.9	1435.9	1442.0	1468.2	1685.7	1528.6
47.5°	1327.2	1331.2	1389.6	1458.1	1506.4	1534.6	1556.8	1554.8	1574.9	1802.5	1649.4
50°	1357.4	1365.4	1435.9	1508.4	1593.0	1641.4	1673.6	1695.7	1715.9	1925.3	1788.4
52.5°	1415.8	1423.9	1502.4	1580.9	1689.7	1760.2	1840.7	1838.7	1840.7	2048.2	1927.3
55°	1500.4	1502.4	1548.7	1639.3	1786.4	1915.3	2026.0	2038.1	2003.9	2201.2	2086.4
57.5°	1597.0	1605.1	1645.4	1713.9	1862.9	2064.3	2233.5	2257.6	2165.0	2326.1	2231.4
60°	1687.7	1693.7	1756.1	1834.7	1995.8	2251.6	2442.9	2471.1	2370.4	2479.2	2382.5
62.5°	1585.0	1615.2	1725.9	1905.2	2229.4	2535.5	2708.7	2726.9	2569.8	2634.2	2543.6
65°	1268.8	1288.9	1448.0	1738.0	2245.5	3051.1	3119.6	3071.2	2843.7	2833.6	2787.3
67.5°	706.9	723.0	831.8	1135.9	1891.1	3244.4	4003.7	3649.2	3268.6	3133.7	3117.6
70°	557.9	561.9	576.0	638.4	1049.3	2859.8	4700.5	4716.6	3963.4	3546.5	3188.1
72.5°	453.1	451.1	493.4	547.8	620.3	1715.9	4481.0	5101.3	4495.1	3437.8	2777.2
75°	346.4	352.4	406.8	485.4	567.9	807.6	3343.1	4197.0	4211.1	3204.2	2342.2
77.5°	263.8	265.8	326.3	429.0	555.8	569.9	2181.1	3127.6	3141.7	2481.2	1290.9
80°	197.4	197.4	247.7	362.5	541.7	525.6	1343.3	2169.0	1963.6	872.0	282.0
82.5°	112.8	120.8	165.1	275.9	491.4	505.5	757.2	1242.6	829.7	237.6	130.9
85°	60.4	62.4	100.7	185.3	404.8	483.3	578.0	618.3	330.3	126.9	60.4
87.5°	22.2	22.2	46.3	94.7	255.8	358.5	459.2	394.7	189.3	58.4	30.2
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°	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4	1506.4
2.5°	1504.4	1496.4	1490.3	1496.4	1474.2	1464.1	1476.2	1470.2	1458.1	1452.0	1448.0
5°	1474.2	1464.1	1454.1	1448.0	1423.9	1399.7	1387.6	1363.4	1343.3	1349.3	1337.3
7.5°	1442.0	1431.9	1401.7	1373.5	1325.2	1276.8	1254.7	1220.4	1208.4	1198.3	1192.2
10°	1401.7	1383.6	1337.3	1280.9	1210.4	1156.0	1099.6	1059.3	1017.0	998.9	1005.0
12.5°	1351.3	1341.3	1268.8	1182.2	1083.5	992.9	926.4	862.0	805.6	775.4	767.3
15°	1329.2	1299.0	1194.3	1079.5	954.6	841.8	743.1	630.4	563.9	531.7	531.7
17.5°	1305.0	1248.6	1123.8	966.7	823.7	678.7	539.7	437.0	384.7	366.5	366.5
20°	1266.8	1204.3	1041.2	859.9	686.8	511.5	386.7	330.3	314.2	302.1	304.1
22.5°	1238.6	1162.0	964.7	755.2	543.8	380.6	304.1	286.0	279.9	275.9	277.9
25°	1206.3	1111.7	884.1	642.4	427.0	300.1	263.8	255.8	259.8	261.8	261.8
27.5°	1180.2	1069.4	801.5	521.6	322.2	253.8	237.6	235.6	243.7	247.7	249.7
30°	1162.0	1031.1	721.0	410.8	257.8	225.6	217.5	217.5	227.6	231.6	233.6
32.5°	1143.9	998.9	634.4	314.2	219.5	201.4	199.4	201.4	207.4	207.4	209.4
35°	1150.0	968.7	551.8	253.8	197.4	185.3	185.3	185.3	187.3	189.3	189.3
37.5°	1162.0	960.6	463.2	213.5	181.3	173.2	173.2	171.2	173.2	171.2	173.2
40°	1174.1	948.6	382.6	189.3	171.2	165.1	163.1	159.1	157.1	157.1	159.1
42.5°	1224.5	964.7	314.2	173.2	163.1	159.1	153.1	149.0	147.0	147.0	147.0
45°	1288.9	994.9	259.8	165.1	157.1	147.0	143.0	141.0	136.9	139.0	141.0
47.5°	1385.6	1041.2	227.6	159.1	151.0	139.0	134.9	130.9	130.9	134.9	134.9
50°	1512.5	1117.7	207.4	153.1	145.0	132.9	126.9	124.9	124.9	130.9	130.9
52.5°	1649.4	1206.3	199.4	151.0	139.0	126.9	120.8	118.8	118.8	126.9	126.9
55°	1786.4	1315.1	205.4	151.0	134.9	120.8	114.8	110.8	112.8	118.8	118.8
57.5°	1937.4	1431.9	235.6	151.0	130.9	118.8	110.8	104.7	106.7	108.8	108.8
60°	2102.5	1585.0	288.0	151.0	128.9	114.8	104.7	96.7	96.7	98.7	98.7
62.5°	2269.7	1736.0	362.5	153.1	130.9	112.8	96.7	88.6	86.6	88.6	88.6
65°	2489.2	1977.7	437.0	153.1	136.9	108.8	90.6	80.6	78.5	78.5	80.6
67.5°	2797.4	2150.9	338.3	147.0	141.0	108.8	84.6	74.5	70.5	70.5	70.5
70°	2634.2	1814.6	215.5	136.9	134.9	112.8	80.6	68.5	64.4	62.4	62.4
72.5°	2255.6	1452.0	173.2	128.9	124.9	110.8	76.5	64.4	58.4	56.4	56.4
75°	1808.5	1145.9	151.0	116.8	108.8	92.6	70.5	58.4	54.4	50.3	50.3
77.5°	886.1	479.3	114.8	102.7	92.6	70.5	62.4	54.4	48.3	44.3	44.3
80°	221.5	167.2	84.6	80.6	68.5	54.4	50.3	46.3	42.3	38.3	38.3
82.5°	118.8	98.7	60.4	54.4	46.3	38.3	38.3	36.3	34.2	30.2	28.2
85°	60.4	58.4	40.3	36.3	30.2	24.2	26.2	26.2	24.2	18.1	18.1
87.5°	32.2	32.2	20.1	16.1	14.1	12.1	12.1	12.1	10.1	8.1	8.1
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)