

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: P675602

Luminaire Tested: **CCW-SA-1E-830-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675602
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-830-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL3 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

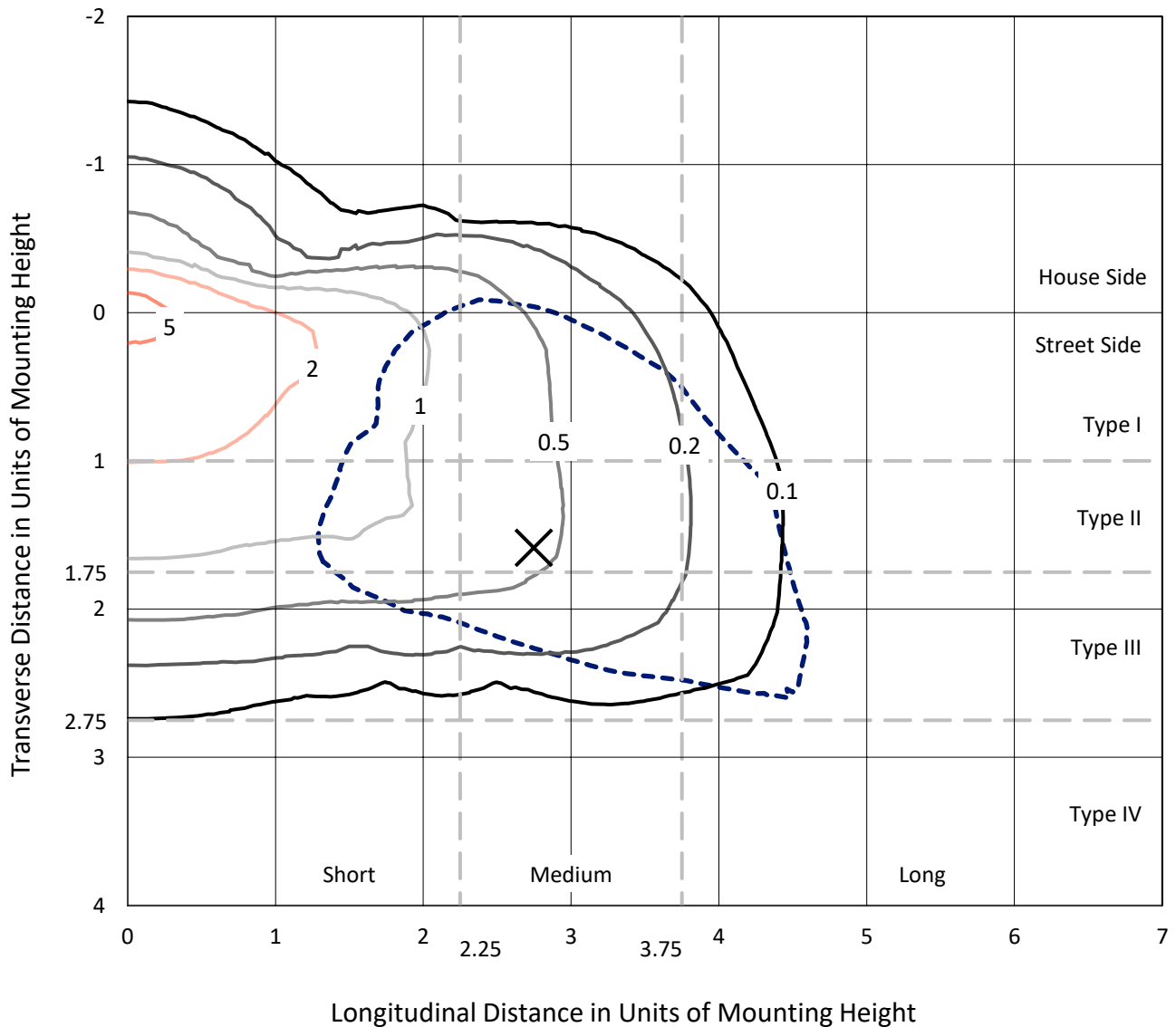
Lumens per Lamp: N/A
Luminaire Lumens: 5371.6 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

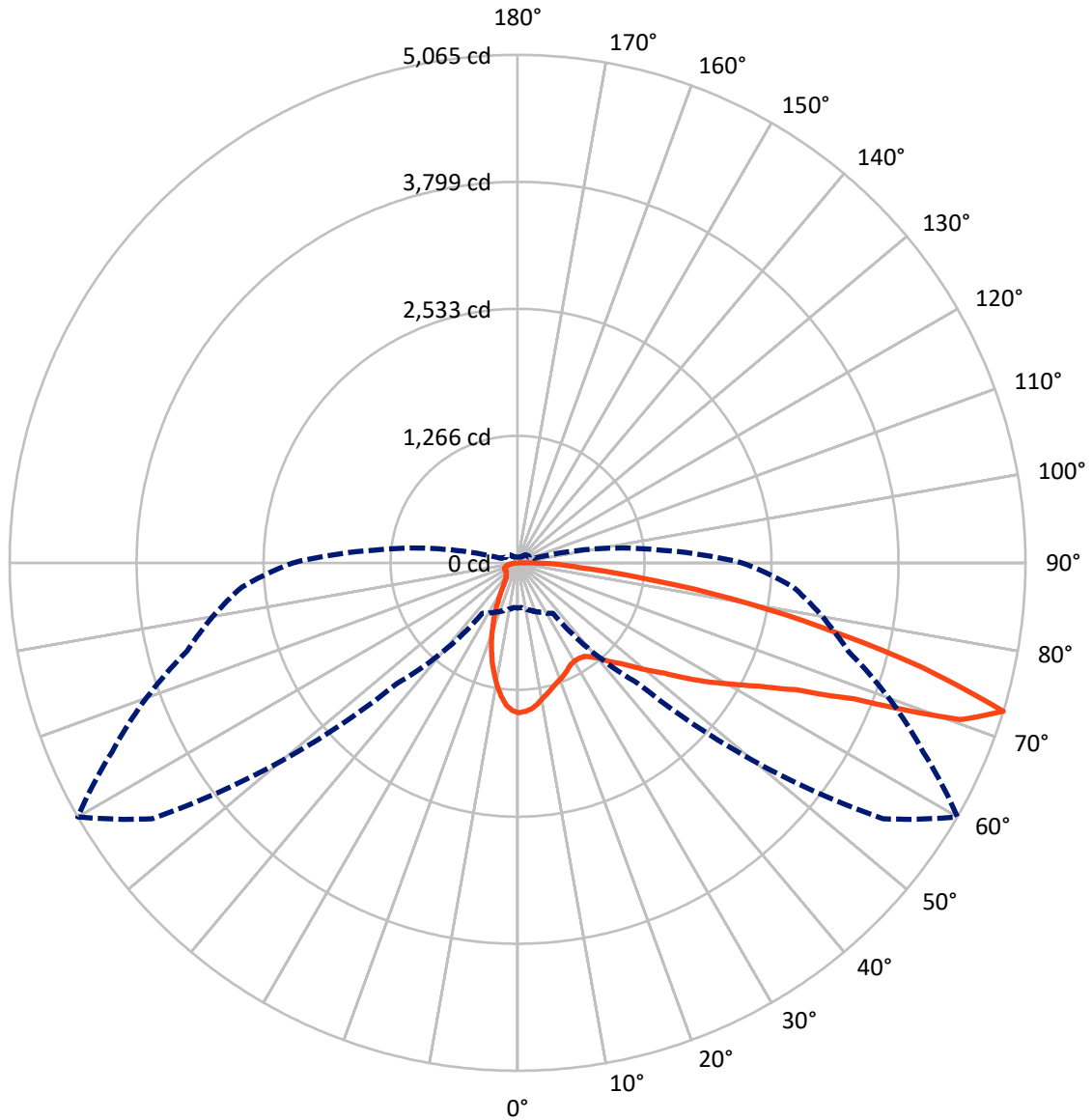
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 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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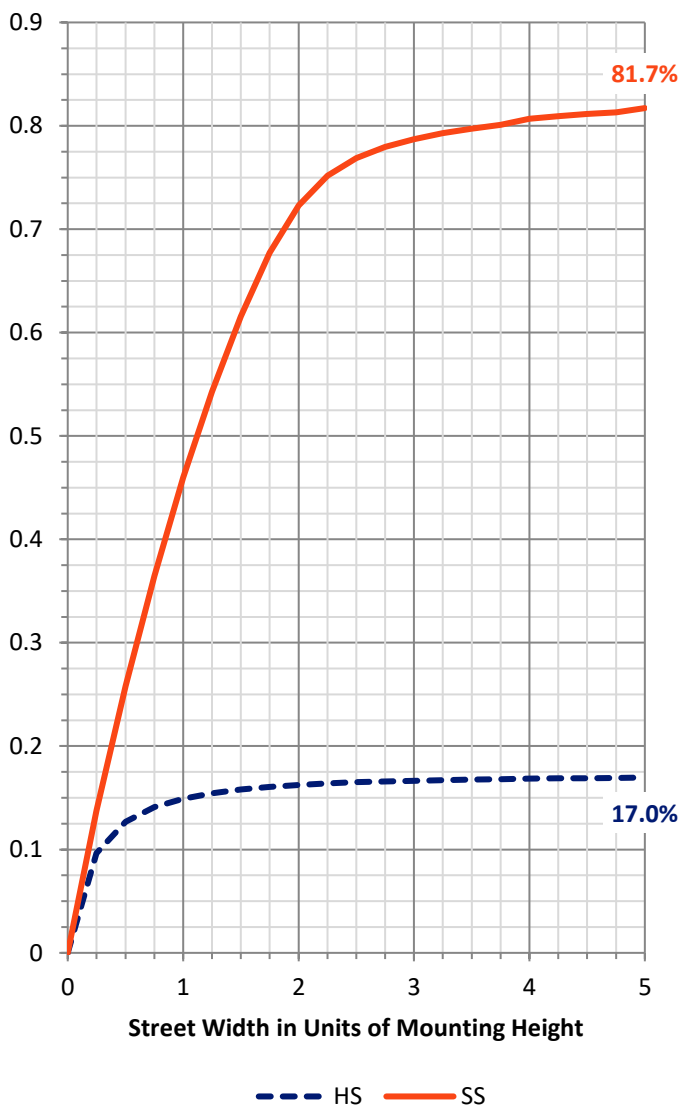
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	922.8	0.0	922.8
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	4448.8	0.0	4448.8
	% Fixture	82.8	0.0	82.8
Total	Lumens	5371.6	0.0	5371.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	2.4
10°-20°	294.0	5.5
20°-30°	376.2	7.0
30°-40°	481.3	9.0
40°-50°	660.1	12.3
50°-60°	954.8	17.8
60°-70°	1309.8	24.4
70°-80°	982.9	18.3
80°-90°	182.7	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°	5371.6	100.0
0°-180°	5371.6	100.0

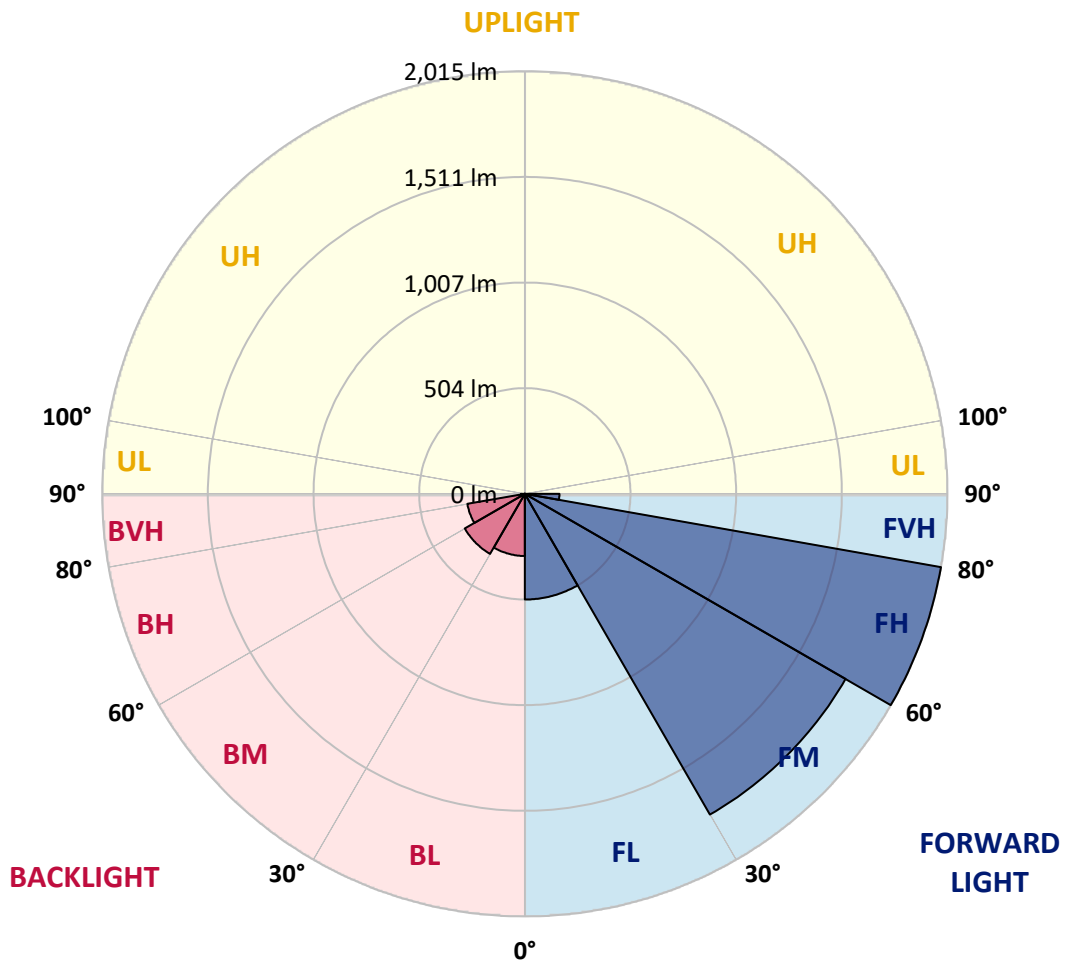


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.7	9.4			
FM (30°-60°)	1765.6	32.9			
FH (60°-80°)	2014.7	37.5			G2/5000
FVH (80°-90°)	164.9	3.1			G2/225
BL (0°-30°)	296.2	5.5	B1/500		
BM (30°-60°)	330.7	6.2	B1/1000		
BH (60°-80°)	278.1	5.2	B1/500		G1/500
BVH (80°-90°)	17.8	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°	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7
2.5°	1463.7	1477.7	1481.7	1481.7	1493.7	1479.7	1499.7	1483.7	1487.7	1493.7	1489.7
5°	1393.7	1417.7	1403.7	1429.7	1419.7	1437.7	1461.7	1461.7	1455.7	1467.7	1457.7
7.5°	1325.7	1317.7	1341.7	1341.7	1357.7	1381.7	1401.7	1421.7	1423.7	1427.7	1425.7
10°	1233.8	1243.8	1255.8	1271.7	1291.7	1315.7	1357.7	1373.7	1377.7	1401.7	1395.7
12.5°	1157.8	1171.8	1179.8	1211.8	1229.8	1263.8	1311.7	1333.7	1335.7	1369.7	1369.7
15°	1101.8	1109.8	1127.8	1139.8	1179.8	1227.8	1273.7	1293.7	1315.7	1351.7	1341.7
17.5°	1063.8	1073.8	1081.8	1097.8	1135.8	1175.8	1247.8	1259.8	1285.7	1337.7	1325.7
20°	1041.8	1043.8	1055.8	1065.8	1099.8	1137.8	1201.8	1233.8	1267.8	1313.7	1301.7
22.5°	1045.8	1037.8	1035.8	1049.8	1055.8	1091.8	1169.8	1203.8	1251.8	1305.7	1285.7
25°	1053.8	1055.8	1051.8	1039.8	1041.8	1073.8	1125.8	1169.8	1223.8	1303.7	1263.8
27.5°	1073.8	1083.8	1067.8	1055.8	1043.8	1055.8	1109.8	1141.8	1201.8	1313.7	1261.8
30°	1093.8	1103.8	1099.8	1081.8	1057.8	1053.8	1091.8	1131.8	1189.8	1321.7	1261.8
32.5°	1123.8	1137.8	1123.8	1129.8	1101.8	1083.8	1097.8	1133.8	1201.8	1349.7	1263.8
35°	1157.8	1169.8	1173.8	1159.8	1153.8	1119.8	1127.8	1145.8	1213.8	1381.7	1283.7
37.5°	1195.8	1209.8	1221.8	1223.8	1203.8	1183.8	1179.8	1189.8	1243.8	1437.7	1305.7
40°	1221.8	1229.8	1253.8	1273.7	1279.7	1251.8	1249.8	1249.8	1297.7	1487.7	1345.7
42.5°	1265.8	1261.8	1295.7	1331.7	1341.7	1325.7	1329.7	1345.7	1373.7	1559.7	1409.7
45°	1287.7	1283.7	1323.7	1383.7	1429.7	1421.7	1425.7	1431.7	1457.7	1673.7	1517.7
47.5°	1317.7	1321.7	1379.7	1447.7	1495.7	1523.7	1545.7	1543.7	1563.7	1789.6	1637.7
50°	1347.7	1355.7	1425.7	1497.7	1581.7	1629.7	1661.7	1683.7	1703.7	1911.6	1775.7
52.5°	1405.7	1413.7	1491.7	1569.7	1677.7	1747.7	1827.6	1825.6	1827.6	2033.6	1913.6
55°	1489.7	1491.7	1537.7	1627.7	1773.7	1901.6	2011.6	2023.6	1989.6	2185.6	2071.6
57.5°	1585.7	1593.7	1633.7	1701.7	1849.6	2049.6	2217.6	2241.6	2149.6	2309.5	2215.6
60°	1675.7	1681.7	1743.7	1821.6	1981.6	2235.6	2425.5	2453.5	2353.5	2461.5	2365.5
62.5°	1573.7	1603.7	1713.7	1891.6	2213.6	2517.5	2689.5	2707.5	2551.5	2615.5	2525.5
65°	1259.8	1279.7	1437.7	1725.7	2229.6	3029.4	3097.4	3049.4	2823.4	2813.4	2767.5
67.5°	701.9	717.9	825.8	1127.8	1877.6	3221.4	3975.2	3623.3	3245.4	3111.4	3095.4
70°	553.9	557.9	571.9	633.9	1041.8	2839.4	4667.1	4683.1	3935.2	3521.3	3165.4
72.5°	449.9	447.9	489.9	543.9	615.9	1703.7	4449.1	5065.0	4463.1	3413.3	2757.5
75°	343.9	349.9	403.9	481.9	563.9	801.8	3319.3	4167.2	4181.2	3181.4	2325.5
77.5°	261.9	263.9	323.9	425.9	551.9	565.9	2165.6	3105.4	3119.4	2463.5	1281.7
80°	196.0	196.0	246.0	359.9	537.9	521.9	1333.7	2153.6	1949.6	865.8	279.9
82.5°	112.0	120.0	164.0	273.9	487.9	501.9	751.9	1233.8	823.8	236.0	130.0
85°	60.0	62.0	100.0	184.0	401.9	479.9	573.9	613.9	327.9	126.0	60.0
87.5°	22.0	22.0	46.0	94.0	253.9	355.9	455.9	391.9	188.0	58.0	30.0
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°	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7	1495.7
2.5°	1493.7	1485.7	1479.7	1485.7	1463.7	1453.7	1465.7	1459.7	1447.7	1441.7	1437.7
5°	1463.7	1453.7	1443.7	1437.7	1413.7	1389.7	1377.7	1353.7	1333.7	1339.7	1327.7
7.5°	1431.7	1421.7	1391.7	1363.7	1315.7	1267.8	1245.8	1211.8	1199.8	1189.8	1183.8
10°	1391.7	1373.7	1327.7	1271.7	1201.8	1147.8	1091.8	1051.8	1009.8	991.8	997.8
12.5°	1341.7	1331.7	1259.8	1173.8	1075.8	985.8	919.8	855.8	799.8	769.8	761.8
15°	1319.7	1289.7	1185.8	1071.8	947.8	835.8	737.9	625.9	559.9	527.9	527.9
17.5°	1295.7	1239.8	1115.8	959.8	817.8	673.9	535.9	433.9	381.9	363.9	363.9
20°	1257.8	1195.8	1033.8	853.8	681.9	507.9	383.9	327.9	311.9	299.9	301.9
22.5°	1229.8	1153.8	957.8	749.9	539.9	377.9	301.9	283.9	277.9	273.9	275.9
25°	1197.8	1103.8	877.8	637.9	423.9	297.9	261.9	253.9	257.9	259.9	259.9
27.5°	1171.8	1061.8	795.8	517.9	319.9	252.0	236.0	234.0	242.0	246.0	248.0
30°	1153.8	1023.8	715.9	407.9	255.9	224.0	216.0	216.0	226.0	230.0	232.0
32.5°	1135.8	991.8	629.9	311.9	218.0	200.0	198.0	200.0	206.0	206.0	208.0
35°	1141.8	961.8	547.9	252.0	196.0	184.0	184.0	184.0	186.0	188.0	188.0
37.5°	1153.8	953.8	459.9	212.0	180.0	172.0	172.0	170.0	172.0	170.0	172.0
40°	1165.8	941.8	379.9	188.0	170.0	164.0	162.0	158.0	156.0	156.0	158.0
42.5°	1215.8	957.8	311.9	172.0	162.0	158.0	152.0	148.0	146.0	146.0	146.0
45°	1279.7	987.8	257.9	164.0	156.0	146.0	142.0	140.0	136.0	138.0	140.0
47.5°	1375.7	1033.8	226.0	158.0	150.0	138.0	134.0	130.0	130.0	134.0	134.0
50°	1501.7	1109.8	206.0	152.0	144.0	132.0	126.0	124.0	124.0	130.0	130.0
52.5°	1637.7	1197.8	198.0	150.0	138.0	126.0	120.0	118.0	118.0	126.0	126.0
55°	1773.7	1305.7	204.0	150.0	134.0	120.0	114.0	110.0	112.0	118.0	118.0
57.5°	1923.6	1421.7	234.0	150.0	130.0	118.0	110.0	104.0	106.0	108.0	108.0
60°	2087.6	1573.7	285.9	150.0	128.0	114.0	104.0	96.0	96.0	98.0	98.0
62.5°	2253.6	1723.7	359.9	152.0	130.0	112.0	96.0	88.0	86.0	88.0	88.0
65°	2471.5	1963.6	433.9	152.0	136.0	108.0	90.0	80.0	78.0	78.0	80.0
67.5°	2777.5	2135.6	335.9	146.0	140.0	108.0	84.0	74.0	70.0	70.0	70.0
70°	2615.5	1801.6	214.0	136.0	134.0	112.0	80.0	68.0	64.0	62.0	62.0
72.5°	2239.6	1441.7	172.0	128.0	124.0	110.0	76.0	64.0	58.0	56.0	56.0
75°	1795.6	1137.8	150.0	116.0	108.0	92.0	70.0	58.0	54.0	50.0	50.0
77.5°	879.8	475.9	114.0	102.0	92.0	70.0	62.0	54.0	48.0	44.0	44.0
80°	220.0	166.0	84.0	80.0	68.0	54.0	50.0	46.0	42.0	38.0	38.0
82.5°	118.0	98.0	60.0	54.0	46.0	38.0	38.0	36.0	34.0	30.0	28.0
85°	60.0	58.0	40.0	36.0	30.0	24.0	26.0	26.0	24.0	18.0	18.0
87.5°	32.0	32.0	20.0	16.0	14.0	12.0	12.0	12.0	10.0	8.0	8.0
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)