

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: P676814

Luminaire Tested: **CCW-SA-2C-722-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676814
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

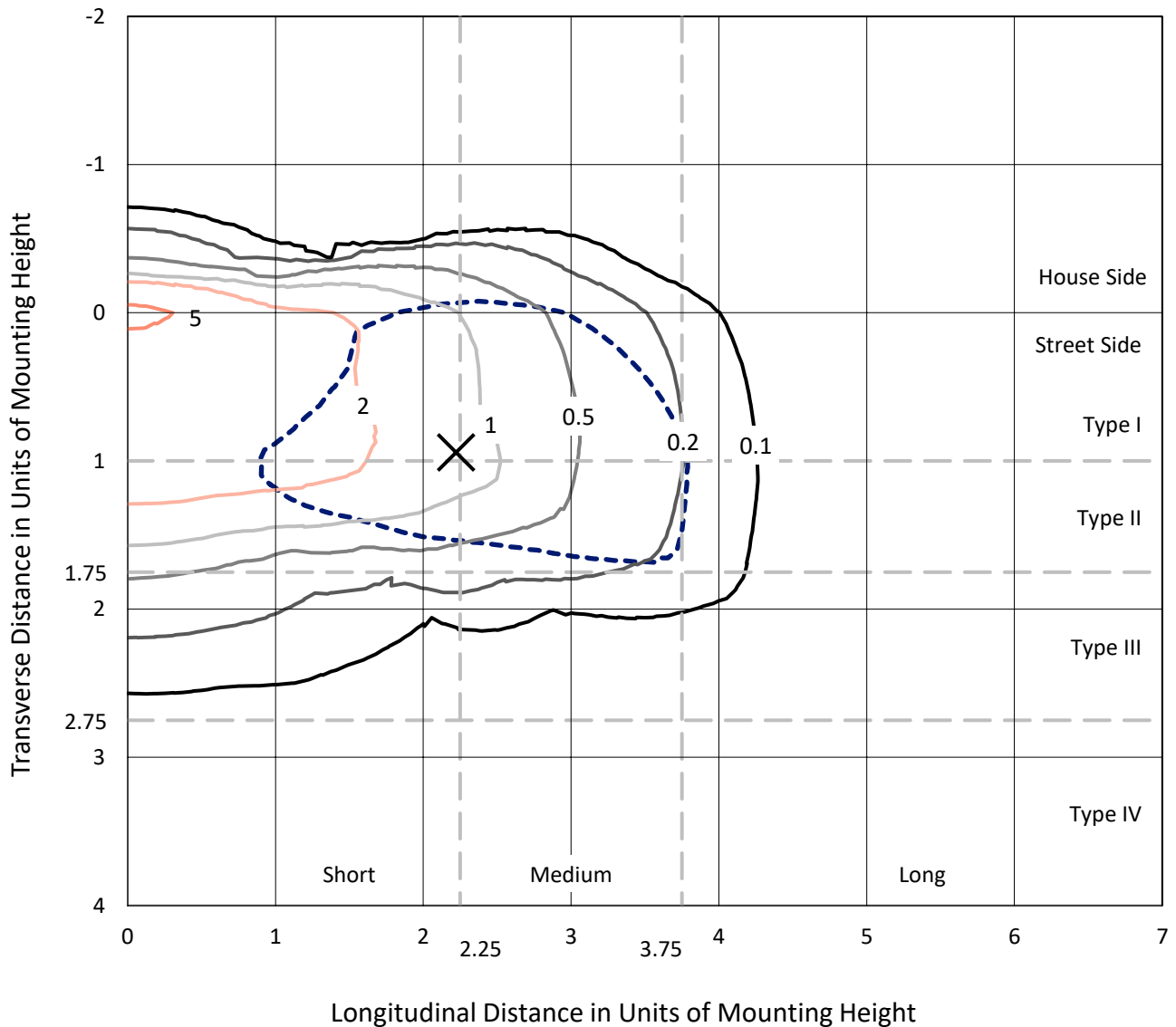
Lumens per Lamp: N/A
Luminaire Lumens: 5355.7 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

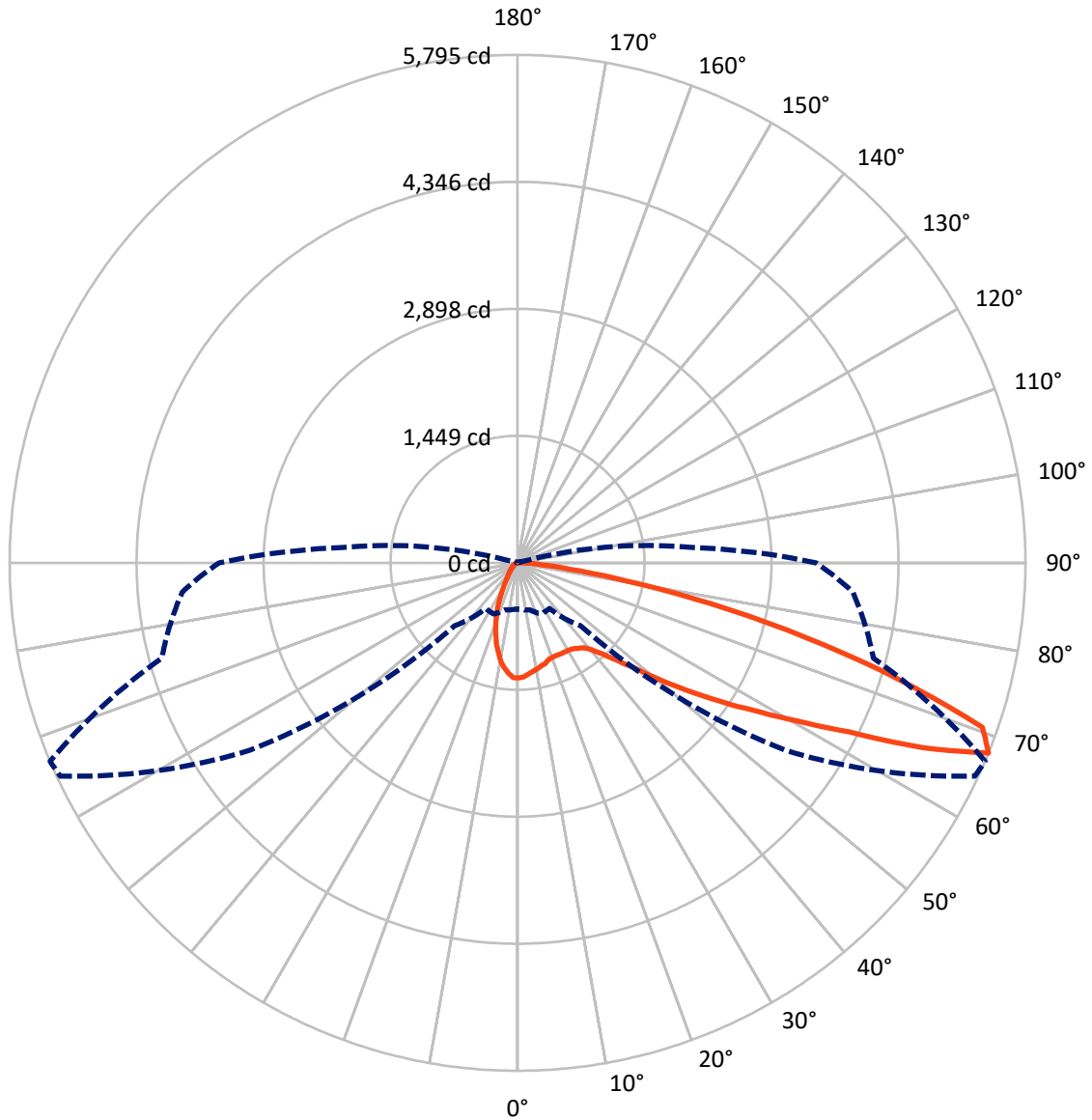
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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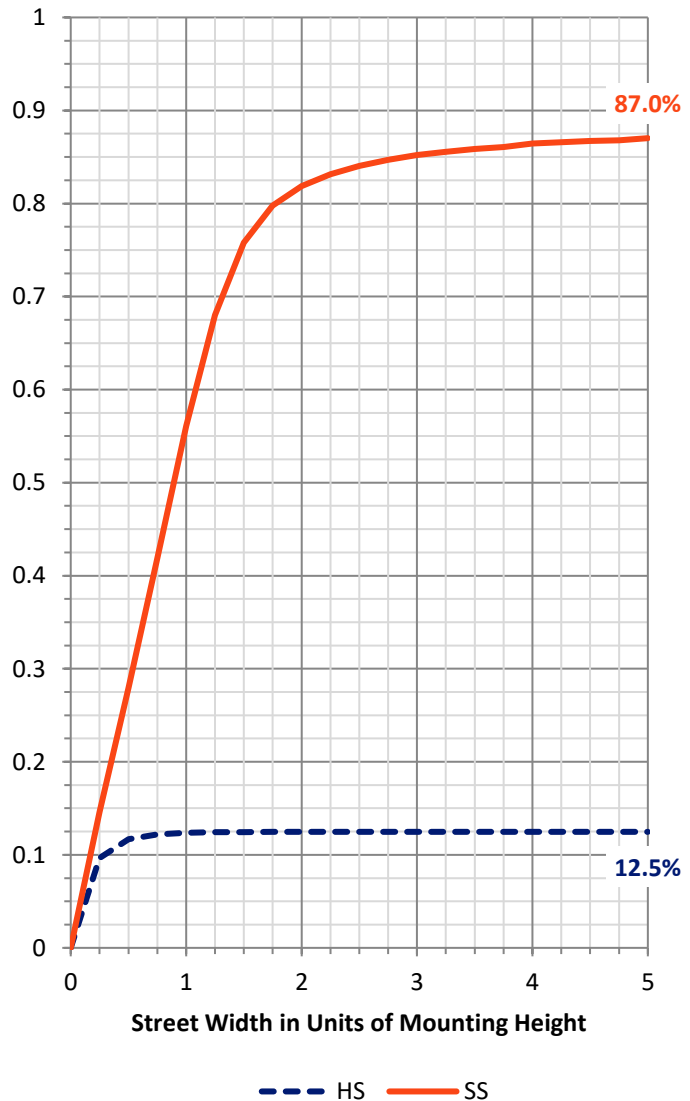
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.1	0.0	674.1
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	4681.6	0.0	4681.6
	% Fixture	87.4	0.0	87.4
Total	Lumens	5355.7	0.0	5355.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	2.1
10°-20°	245.9	4.6
20°-30°	349.6	6.5
30°-40°	509.1	9.5
40°-50°	787.9	14.7
50°-60°	1209.2	22.6
60°-70°	1310.8	24.5
70°-80°	739.5	13.8
80°-90°	92.9	1.7
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°	5355.7	100.0
0°-180°	5355.7	100.0

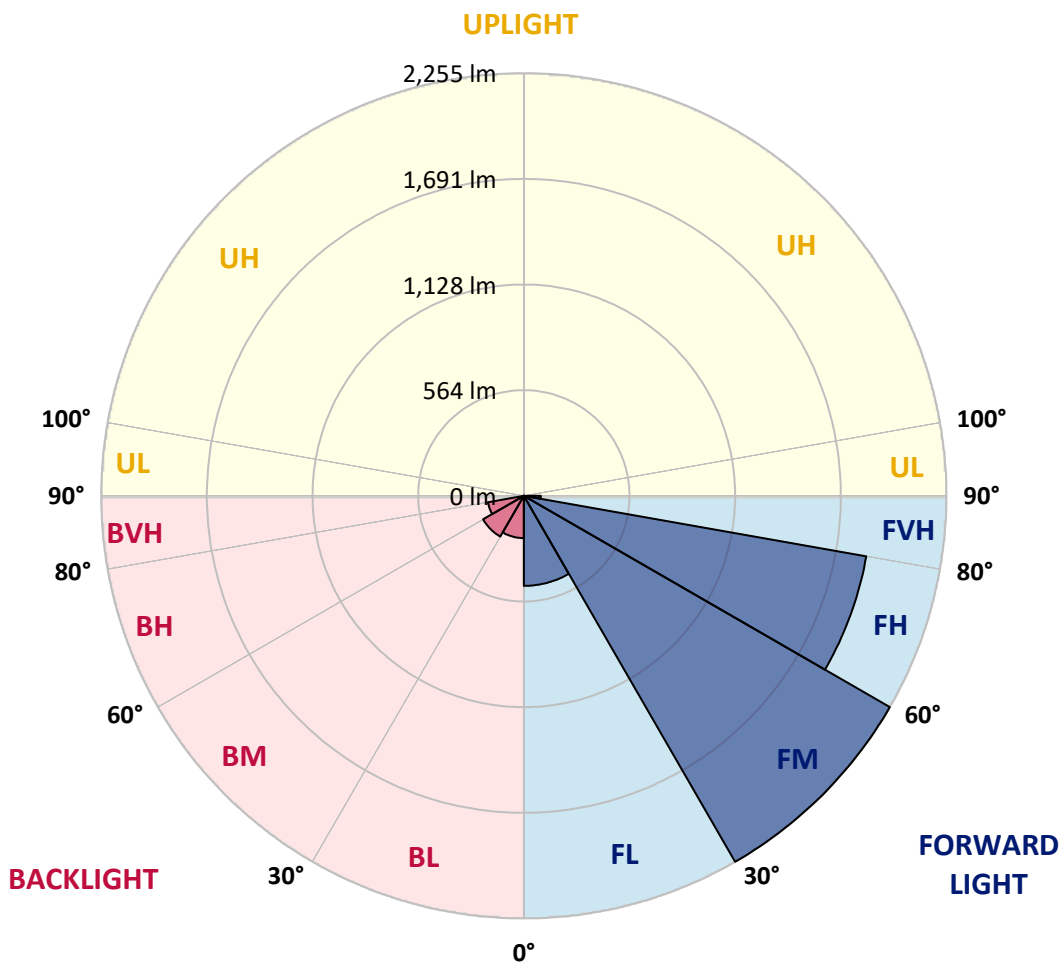


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.6	9.0			
FM (30°-60°)	2255.2	42.1			
FH (60°-80°)	1855.6	34.6			G2/5000
FVH (80°-90°)	90.2	1.7			G1/100
BL (0°-30°)	225.6	4.2	B1/500		
BM (30°-60°)	251.1	4.7	B1/1000		
BH (60°-80°)	194.7	3.6	B1/500		G1/500
BVH (80°-90°)	2.7	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6
2.5°	1256.9	1263.3	1272.4	1285.3	1294.3	1289.1	1293.0	1314.9	1303.3	1313.6	1308.5
5°	1187.2	1193.6	1206.5	1205.3	1215.6	1234.9	1260.7	1289.1	1276.2	1307.2	1318.8
7.5°	1114.9	1112.3	1112.3	1139.4	1161.4	1188.5	1202.7	1249.1	1250.4	1277.5	1305.9
10°	1049.1	1056.9	1069.8	1080.1	1100.7	1139.4	1180.7	1216.9	1231.1	1285.3	1293.0
12.5°	1009.1	1013.0	1028.5	1037.5	1064.6	1102.0	1145.9	1192.3	1204.0	1259.4	1296.9
15°	992.3	1001.4	1006.5	1023.3	1037.5	1072.3	1104.6	1157.5	1191.1	1234.9	1281.4
17.5°	1005.2	1001.4	1003.9	1009.1	1025.9	1056.9	1091.7	1144.6	1156.2	1229.8	1299.5
20°	1022.0	1023.3	1015.6	1013.0	1009.1	1038.8	1067.2	1135.6	1148.5	1229.8	1311.1
22.5°	1067.2	1053.0	1067.2	1046.5	1025.9	1038.8	1065.9	1136.9	1145.9	1228.5	1322.7
25°	1122.7	1125.2	1129.1	1085.2	1055.6	1046.5	1074.9	1140.7	1148.5	1238.8	1327.8
27.5°	1201.4	1213.0	1193.6	1171.7	1112.3	1067.2	1073.6	1138.2	1152.3	1233.6	1340.7
30°	1307.2	1298.2	1300.7	1250.4	1192.3	1121.4	1103.3	1144.6	1154.9	1240.1	1365.3
32.5°	1398.8	1388.5	1406.6	1388.5	1296.9	1198.8	1138.2	1157.5	1169.1	1255.6	1385.9
35°	1455.6	1468.5	1496.9	1516.2	1438.8	1299.5	1196.2	1192.3	1197.5	1263.3	1401.4
37.5°	1543.3	1566.6	1589.8	1638.8	1571.7	1423.3	1287.8	1237.5	1228.5	1300.7	1409.1
40°	1638.8	1632.4	1700.8	1758.8	1756.3	1597.5	1415.6	1317.5	1304.6	1360.1	1460.8
42.5°	1718.8	1712.4	1788.5	1884.0	1894.3	1765.3	1561.4	1431.1	1419.5	1451.7	1524.0
45°	1823.4	1828.5	1918.9	2032.4	2069.8	1987.2	1758.8	1593.7	1587.2	1576.9	1644.0
47.5°	1916.3	1944.7	2022.1	2156.3	2291.8	2216.9	1991.1	1831.1	1785.9	1762.7	1829.8
50°	1980.8	2006.6	2100.8	2244.0	2491.8	2539.5	2251.8	2084.0	2085.3	2028.5	2064.7
52.5°	1980.8	1979.5	2055.6	2244.0	2631.2	2876.3	2600.2	2402.8	2413.1	2353.7	2356.3
55°	1789.8	1785.9	1878.9	2078.9	2615.7	3200.2	3128.0	2806.7	2780.9	2666.0	2677.6
57.5°	1441.4	1450.4	1521.4	1761.4	2414.4	3351.2	3756.4	3260.9	3173.1	2935.7	2935.7
60°	1051.7	1043.9	1096.9	1264.6	1934.3	3294.4	4272.6	3796.4	3658.3	3158.9	3125.4
62.5°	800.1	798.8	813.0	869.7	1227.2	2872.5	4494.5	4477.8	4253.2	3378.3	3330.6
65°	646.5	649.1	668.4	708.4	749.7	1958.9	4377.1	5290.7	5085.5	3704.8	3548.7
67.5°	527.8	534.2	557.5	643.9	634.9	1014.3	3728.0	5756.6	5795.3	4202.9	3841.6
70°	406.5	416.8	443.9	566.5	611.7	674.9	2584.7	5524.3	5627.5	4512.6	3664.8
72.5°	276.1	274.9	332.9	459.4	618.1	618.1	1438.8	4449.4	4547.4	4160.3	3183.5
75°	149.7	158.7	220.7	347.1	566.5	597.5	819.4	3255.7	3393.8	3235.1	2462.1
77.5°	81.3	82.6	122.6	227.1	471.0	570.4	547.1	2214.4	2268.6	1951.1	1348.5
80°	42.6	43.9	64.5	148.4	325.2	529.1	455.5	1320.1	1268.5	748.4	445.2
82.5°	19.4	20.6	32.3	92.9	207.8	416.8	393.6	637.5	588.4	209.0	135.5
85°	7.7	7.7	14.2	55.5	121.3	205.2	336.8	320.0	267.1	63.2	67.1
87.5°	2.6	2.6	3.9	21.9	49.0	122.6	179.4	169.0	116.1	23.2	36.1
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°	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6
2.5°	1303.3	1317.5	1313.6	1311.1	1286.5	1284.0	1281.4	1258.2	1265.9	1246.5	1259.4
5°	1311.1	1318.8	1298.2	1259.4	1224.6	1185.9	1156.2	1135.6	1098.1	1084.0	1081.4
7.5°	1303.3	1303.3	1260.7	1198.8	1130.4	1067.2	987.2	930.4	887.8	855.5	867.2
10°	1293.0	1277.5	1233.6	1124.0	1000.1	904.6	789.7	705.9	642.6	622.0	609.1
12.5°	1293.0	1265.9	1167.8	1018.1	858.1	713.6	576.8	467.1	406.5	370.4	365.2
15°	1281.4	1241.4	1120.1	918.8	720.1	523.9	367.8	273.6	222.0	207.8	202.6
17.5°	1284.0	1236.2	1049.1	801.4	558.8	348.4	224.5	172.9	160.0	153.6	154.9
20°	1289.1	1236.2	985.9	686.5	402.6	216.8	154.9	145.8	139.4	136.8	138.1
22.5°	1305.9	1211.7	921.4	569.1	272.3	156.1	136.8	127.8	122.6	118.7	117.4
25°	1308.5	1207.8	859.4	452.9	187.1	131.6	120.0	109.7	103.2	98.1	96.8
27.5°	1304.6	1191.1	773.0	336.8	140.7	117.4	101.9	91.6	82.6	78.7	77.4
30°	1318.8	1160.1	699.4	242.6	118.7	101.9	86.5	74.8	67.1	61.9	61.9
32.5°	1320.1	1133.0	618.1	172.9	108.4	90.3	73.6	60.6	52.9	50.3	50.3
35°	1321.4	1108.5	527.8	131.6	96.8	77.4	60.6	50.3	45.2	41.3	41.3
37.5°	1325.3	1090.4	445.2	111.0	86.5	65.8	50.3	41.3	36.1	34.8	34.8
40°	1333.0	1065.9	358.7	98.1	74.8	55.5	42.6	34.8	29.7	28.4	27.1
42.5°	1353.7	1059.4	286.5	87.7	67.1	46.5	34.8	28.4	24.5	21.9	20.6
45°	1438.8	1076.2	222.0	81.3	56.8	38.7	29.7	23.2	18.1	16.8	15.5
47.5°	1578.2	1131.7	175.5	72.3	47.7	32.3	24.5	18.1	14.2	12.9	11.6
50°	1789.8	1258.2	143.2	64.5	40.0	27.1	19.4	14.2	10.3	9.0	9.0
52.5°	2067.3	1428.5	123.9	56.8	32.3	23.2	15.5	10.3	7.7	6.5	6.5
55°	2351.1	1629.8	116.1	49.0	27.1	19.4	11.6	7.7	5.2	3.9	3.9
57.5°	2611.8	1760.1	112.3	40.0	23.2	14.2	9.0	5.2	2.6	1.3	1.3
60°	2774.4	1855.6	100.7	32.3	18.1	11.6	6.5	2.6	1.3	0.0	0.0
62.5°	2988.6	1952.4	82.6	24.5	12.9	7.7	3.9	1.3	0.0	0.0	0.0
65°	3271.2	2060.8	64.5	19.4	10.3	5.2	2.6	1.3	0.0	0.0	0.0
67.5°	3406.7	2004.0	43.9	14.2	6.5	2.6	1.3	0.0	0.0	0.0	0.0
70°	3135.7	1687.9	31.0	10.3	3.9	1.3	1.3	0.0	0.0	0.0	0.0
72.5°	2636.3	1322.7	23.2	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1943.4	827.2	18.1	5.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1031.0	308.4	12.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	304.5	90.3	9.0	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	100.7	27.1	5.2	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	51.6	10.3	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.7	3.9	2.6	2.6	1.3	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)