

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: P673801

Luminaire Tested: **CCP-SA-2B-722-U-SL3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673801
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ SL3 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

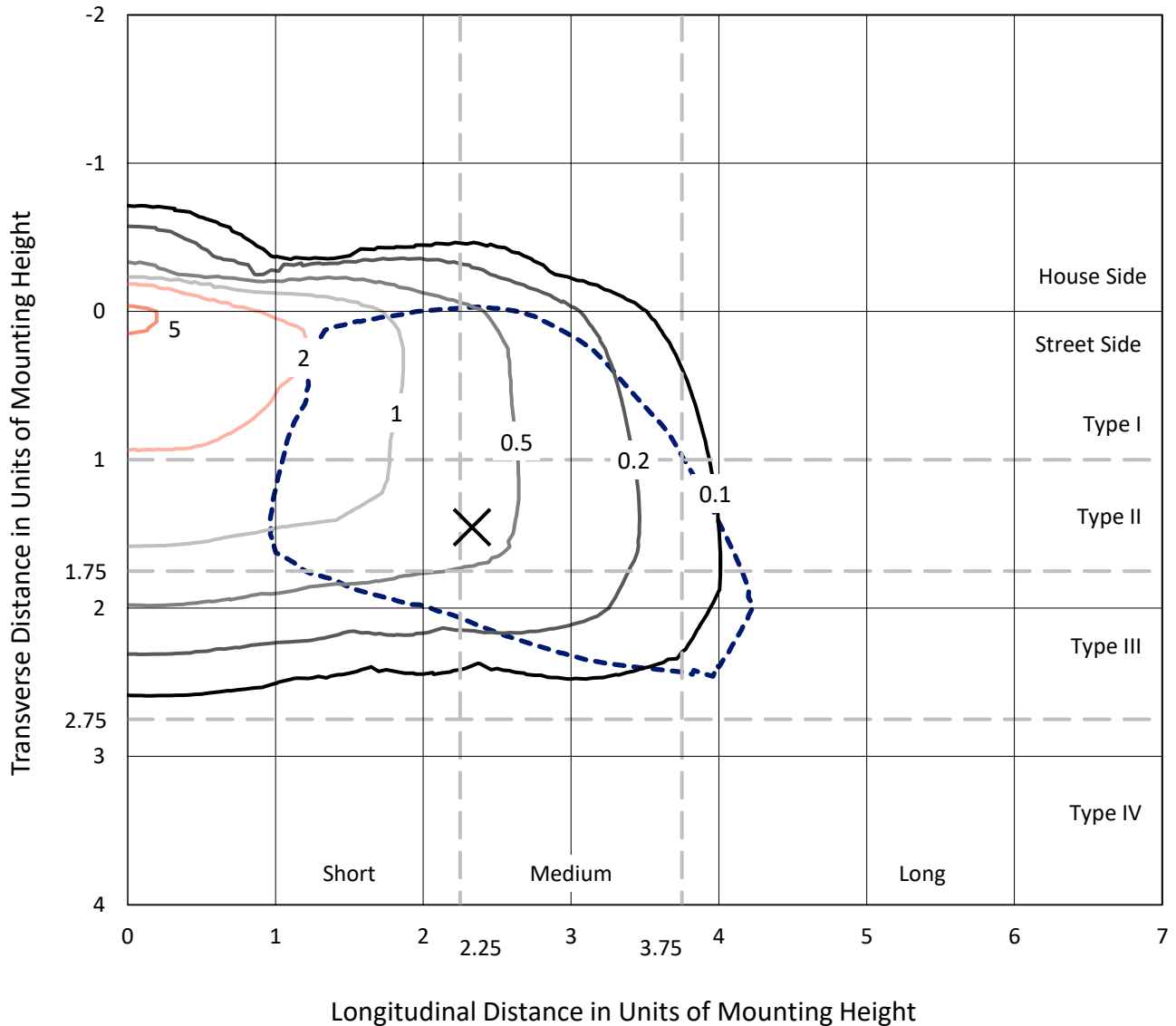
Lumens per Lamp: N/A
Luminaire Lumens: 4203.7 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

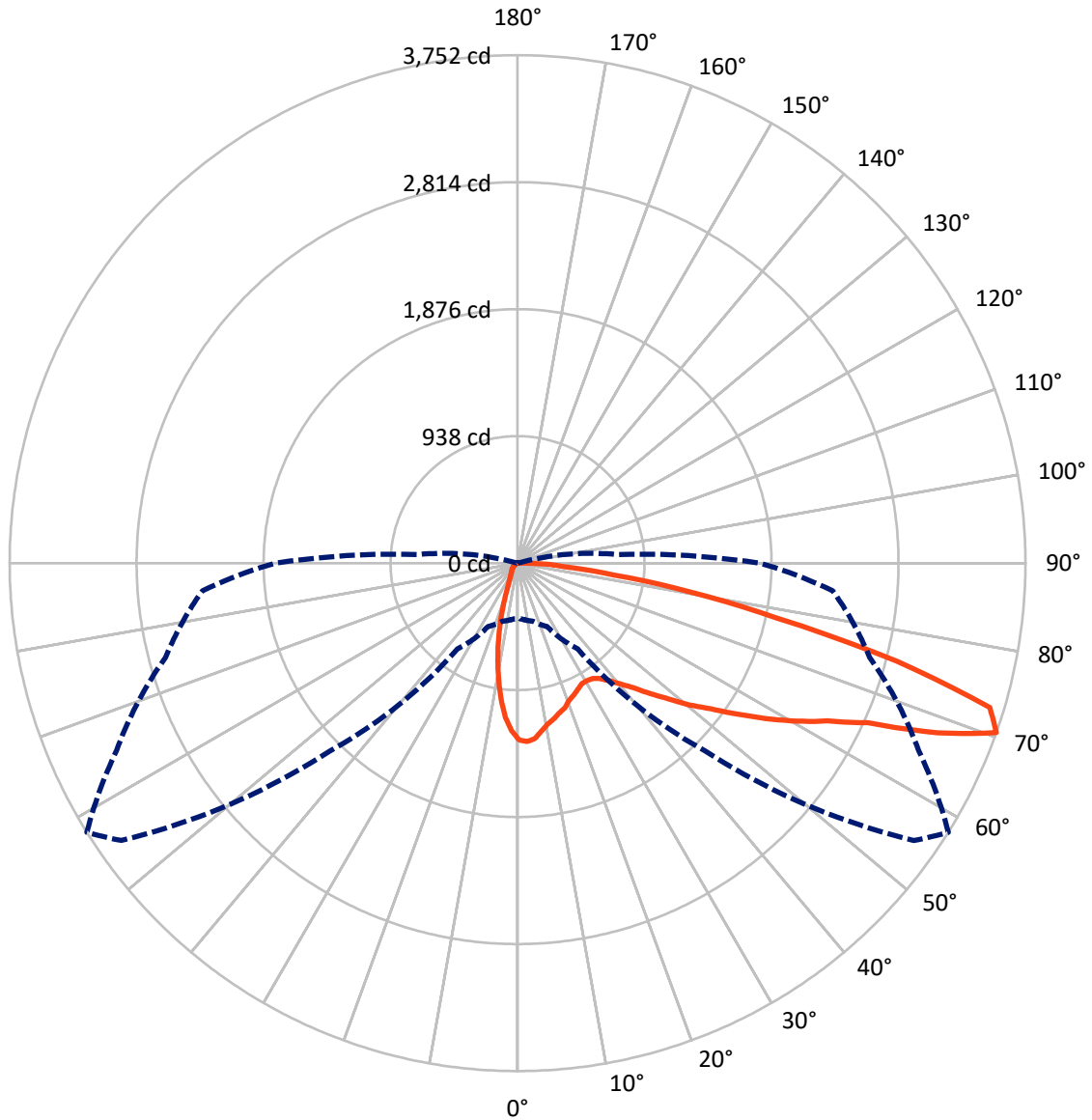
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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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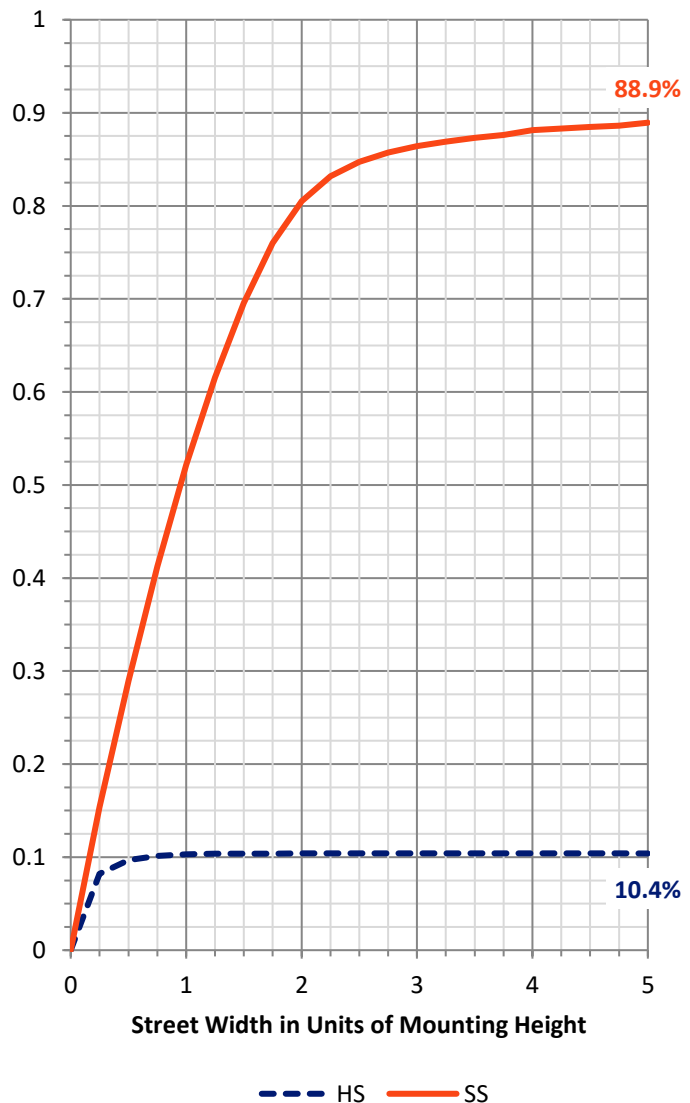
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	440.2	0.0	440.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3763.5	0.0	3763.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	4203.7	0.0	4203.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	2.5
10°-20°	221.7	5.3
20°-30°	296.8	7.1
30°-40°	401.2	9.5
40°-50°	575.9	13.7
50°-60°	848.6	20.2
60°-70°	1035.1	24.6
70°-80°	632.1	15.0
80°-90°	85.9	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°	4203.7	100.0
0°-180°	4203.7	100.0

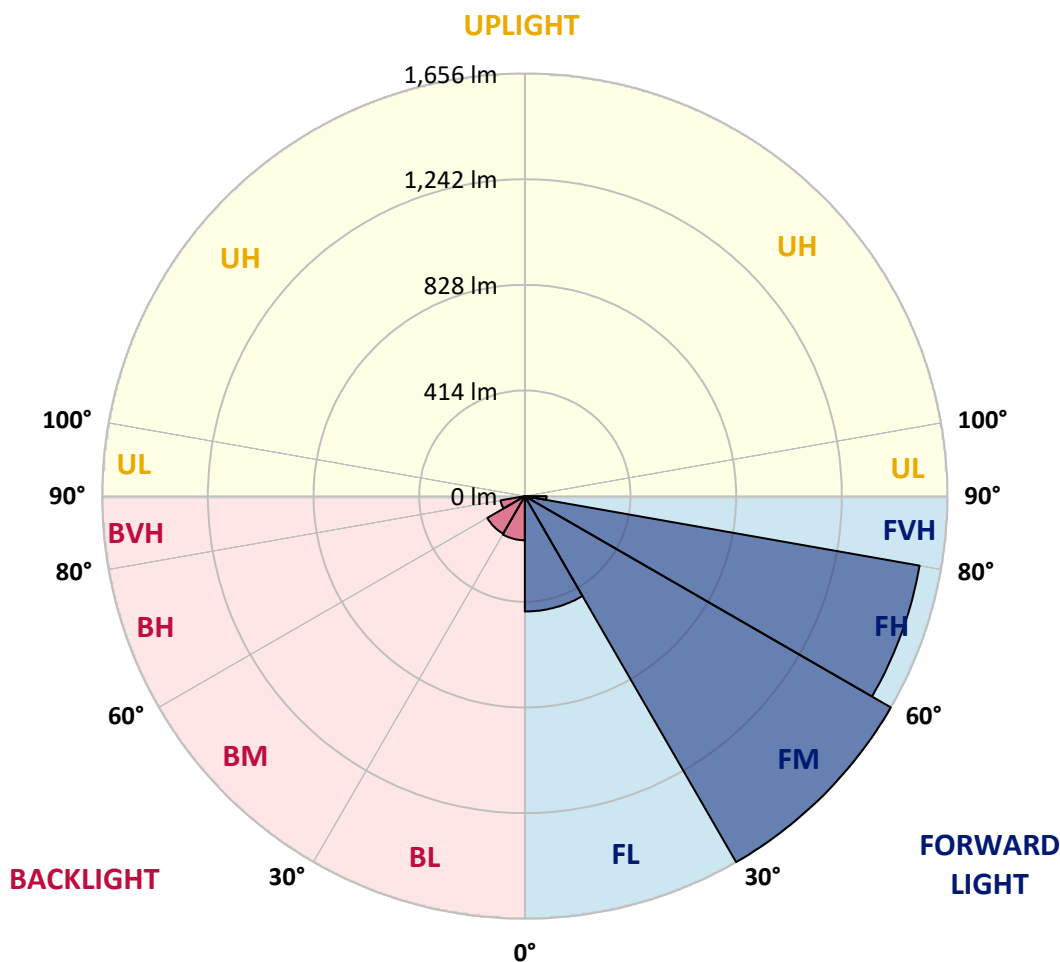


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.0	10.8			
FM (30°-60°)	1655.8	39.4			
FH (60°-80°)	1570.7	37.4			G1/1800
FVH (80°-90°)	85.0	2.0			G1/100
BL (0°-30°)	173.0	4.1	B1/500		
BM (30°-60°)	169.9	4.0	B0/220		
BH (60°-80°)	96.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	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°	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0
2.5°	1328.6	1333.5	1321.7	1335.5	1322.7	1328.6	1321.7	1319.7	1320.7	1321.7	1313.8
5°	1266.5	1278.3	1283.3	1275.4	1294.1	1291.2	1303.0	1304.0	1299.0	1294.1	1295.1
7.5°	1184.7	1196.5	1201.5	1206.4	1225.1	1249.8	1265.5	1255.7	1263.6	1281.3	1254.7
10°	1125.6	1122.6	1121.6	1131.5	1167.0	1187.7	1214.3	1211.3	1231.0	1247.8	1226.1
12.5°	1052.6	1046.7	1064.5	1072.4	1103.9	1140.4	1161.1	1182.7	1202.5	1220.2	1195.6
15°	998.4	1003.4	1010.3	1027.0	1049.7	1098.0	1128.5	1149.2	1184.7	1193.6	1183.7
17.5°	955.1	959.0	968.9	977.7	1006.3	1052.6	1100.9	1125.6	1163.0	1186.7	1156.1
20°	956.1	944.2	944.2	953.1	968.9	1024.1	1075.3	1083.2	1134.4	1174.9	1154.2
22.5°	957.0	953.1	944.2	943.2	950.1	989.6	1041.8	1059.5	1114.7	1162.0	1137.4
25°	970.8	956.1	957.0	943.2	946.2	965.9	1007.3	1033.9	1097.0	1168.9	1128.5
27.5°	982.7	989.6	975.8	969.8	953.1	952.1	986.6	1009.3	1088.1	1184.7	1134.4
30°	1009.3	1014.2	1014.2	1010.3	994.5	971.8	979.7	1008.3	1070.4	1181.8	1124.6
32.5°	1053.6	1044.8	1056.6	1050.7	1030.0	994.5	1001.4	1016.2	1081.2	1219.2	1140.4
35°	1068.4	1075.3	1091.1	1078.3	1071.4	1050.7	1036.9	1047.7	1097.0	1256.7	1164.0
37.5°	1113.7	1103.9	1114.7	1143.3	1150.2	1112.8	1086.2	1101.9	1156.1	1301.0	1185.7
40°	1117.7	1125.6	1145.3	1201.5	1208.4	1192.6	1170.9	1174.9	1215.3	1358.2	1239.9
42.5°	1137.4	1146.3	1186.7	1234.0	1271.4	1274.4	1258.6	1258.6	1293.1	1449.8	1300.0
45°	1175.8	1161.1	1213.3	1293.1	1347.3	1358.2	1378.9	1374.0	1401.5	1546.4	1412.4
47.5°	1190.6	1195.6	1252.7	1349.3	1411.4	1461.7	1496.2	1497.2	1511.0	1669.6	1558.3
50°	1238.9	1237.9	1306.9	1396.6	1488.3	1579.9	1647.0	1647.0	1646.0	1789.9	1683.4
52.5°	1303.0	1301.0	1354.2	1460.7	1579.9	1695.3	1784.0	1786.9	1809.6	1937.7	1827.3
55°	1407.5	1398.6	1449.8	1528.7	1671.6	1811.6	1965.3	1966.3	1948.6	2043.2	1930.8
57.5°	1495.2	1494.2	1536.6	1612.5	1774.1	1961.4	2139.8	2166.4	2110.2	2151.6	2013.6
60°	1472.5	1485.3	1573.0	1685.4	1882.5	2148.6	2328.0	2369.4	2279.7	2225.5	2075.7
62.5°	1331.6	1361.1	1456.7	1636.1	1974.2	2420.7	2587.2	2568.5	2368.4	2288.6	2151.6
65°	958.0	987.6	1105.9	1374.9	1867.7	2612.9	2928.3	2843.5	2526.1	2382.2	2253.1
67.5°	563.8	575.6	649.5	877.2	1396.6	2508.4	3342.2	3349.1	2836.6	2526.1	2428.6
70°	407.1	415.9	444.5	517.4	773.7	1966.3	3572.9	3752.3	3267.3	2691.7	2335.9
72.5°	312.4	312.4	360.7	430.7	492.8	1177.8	3288.0	3647.8	3361.0	2533.0	1882.5
75°	224.7	230.6	282.9	370.6	454.4	591.4	2422.7	2894.8	2848.4	2053.0	1314.8
77.5°	129.1	132.1	199.1	310.5	426.8	406.1	1497.2	1962.4	2017.6	1285.2	569.7
80°	66.0	68.0	111.4	245.4	386.4	353.8	893.0	1292.1	1096.0	373.5	132.1
82.5°	32.5	32.5	50.3	156.7	328.2	313.4	525.3	713.6	388.3	85.7	55.2
85°	10.8	11.8	22.7	88.7	237.5	189.2	321.3	339.1	130.1	32.5	30.6
87.5°	3.0	3.9	5.9	32.5	103.5	124.2	191.2	216.8	53.2	12.8	14.8
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°	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0	1305.0
2.5°	1284.3	1277.4	1269.5	1249.8	1234.0	1213.3	1199.5	1188.7	1168.0	1171.9	1163.0
5°	1271.4	1258.6	1213.3	1169.9	1130.5	1070.4	1029.0	1002.4	980.7	959.0	974.8
7.5°	1248.8	1218.2	1147.3	1066.4	982.7	903.8	825.0	777.7	743.2	711.6	710.6
10°	1210.3	1161.1	1049.7	944.2	815.1	711.6	611.1	532.2	481.0	443.5	442.5
12.5°	1167.0	1115.7	975.8	804.3	655.4	509.6	389.3	305.5	257.2	227.7	223.7
15°	1139.4	1064.5	883.1	680.1	495.8	332.2	215.9	163.6	144.9	138.0	138.0
17.5°	1103.9	1018.1	791.5	551.0	344.0	192.2	140.0	126.2	125.2	123.2	121.2
20°	1089.1	982.7	709.6	439.6	217.8	136.0	120.2	117.3	117.3	115.3	113.3
22.5°	1049.7	931.4	622.9	322.3	144.9	119.3	113.3	109.4	107.4	105.5	107.4
25°	1031.9	894.9	541.1	222.7	118.3	106.4	103.5	99.5	96.6	95.6	95.6
27.5°	1020.1	858.5	461.3	154.7	104.5	97.6	91.7	88.7	84.8	80.8	80.8
30°	1011.2	829.9	384.4	114.3	93.6	86.7	81.8	74.9	70.0	66.0	66.0
32.5°	999.4	796.4	307.5	97.6	84.8	77.9	69.0	63.1	56.2	53.2	53.2
35°	1003.4	773.7	241.5	86.7	75.9	67.0	59.1	51.3	44.4	41.4	40.4
37.5°	1011.2	757.0	183.3	77.9	68.0	58.2	49.3	40.4	36.5	32.5	32.5
40°	1044.8	752.0	135.0	72.0	62.1	51.3	41.4	33.5	29.6	26.6	25.6
42.5°	1100.9	758.9	104.5	65.1	56.2	43.4	34.5	27.6	23.7	20.7	19.7
45°	1172.9	785.5	85.7	61.1	49.3	36.5	27.6	22.7	17.7	15.8	15.8
47.5°	1277.4	826.9	74.9	56.2	43.4	30.6	23.7	17.7	13.8	11.8	11.8
50°	1395.6	874.2	66.0	50.3	37.5	25.6	18.7	13.8	9.9	8.9	8.9
52.5°	1513.9	934.4	61.1	46.3	32.5	20.7	14.8	9.9	6.9	5.9	5.9
55°	1638.1	987.6	55.2	43.4	26.6	16.8	10.8	5.9	3.9	3.0	3.0
57.5°	1724.8	1008.3	48.3	37.5	20.7	12.8	7.9	3.9	2.0	1.0	1.0
60°	1786.9	1011.2	41.4	30.6	15.8	9.9	4.9	2.0	1.0	0.0	0.0
62.5°	1839.2	1017.2	35.5	23.7	11.8	6.9	3.0	1.0	0.0	0.0	0.0
65°	1942.7	1012.2	28.6	18.7	7.9	3.9	2.0	0.0	0.0	0.0	0.0
67.5°	2024.5	962.9	22.7	12.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0
70°	1790.9	734.3	17.7	8.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	1406.5	489.9	11.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	922.5	243.4	8.9	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	358.8	64.1	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	86.7	21.7	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	37.5	7.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.7	3.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	2.0	1.0	1.0	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)